

**FREE**  
SUPPLEMENT

**BACK TO BASICS**  
MODEL RAILWAY ESSENTIALS

**BACHMANN 2015 RANGE!**  
New steam and diesel models for '00' and 'N' revealed

**FULL STORY INSIDE**

# HORNBY

Issue 94 **April 2015** USA \$12.50 · CAD \$11.99 · AUS \$10.95 · UK £3.95

## magazine

www.hornbymagazine.com

### REVIEWS



**FIRST REVIEWS** ● Hornby's LNER J15 '0-6-0  
● Bachmann's SR E4 '0-6-2T



### HOW TO...



- Manual level crossing gates made easy
- Weathering a Hornby 'K1' 2-6-0 in '00'
- DCC sound for Heljan's 'Hymek' diesel

### LAYOUTS



**ALLANBRIDGE**  
Scottish main line action in the privatisation era

**EQUIPMENT GUIDE**  
**ACCESSORY DECODERS**

## Devon Junction

# WESTERN GLORY

Gateway to the west  
recreated in Spain!



**NEW '31' FOR 'N'**

KEY

9 771753 246052 04

# Now available from Hornby

Arnold British N gauge (1:148)

**JUST  
£199.99**

**FREE postage in the UK**  
Quote reference **3ARNOLD**

Arnold is renowned for its superb European and American N gauge models. Hornby is proud to present the first Arnold replica in British N gauge (1:148).

The "Brighton Belle" is one of the most famous of the "Belle" trains to operate on British tracks. The "Belle" operated between London Victoria and Brighton and was the first all-electric Pullman service in the world. The service commenced in June 1934 and continued until April 1972 with only a period during the Second World War when the service was suspended.

## HN3002 - BR Class 403 'Brighton Belle Pullman' 5 Car Train Pack (1969)

### Contains:

- 1 x DMBPT (Driver Motor Brake Parlour Third) Powered, Blue and Grey - 1969
- 2 x TPFK (Trailer Parlour First Kitchen), Blue and Grey - 1969
- 1 x TPT (Trailer Parlour Third), Blue and Grey - 1969
- 1 x DMBPT (Driver Motor Brake Parlour Third) Unpowered, Blue and Grey - 1969

### Key features:

- Accurate UK N gauge – 1:148
- High performance motor with flywheel
- 6 pin DCC socket
- Detailed differences on bogies between both models
- Illuminated table lamps
- Lit target indicators
- Driver's cabin interior illumination (depending on direction of travel)



**Also Available at just £199.99**

HN3003 - SR 5-BEL 'Brighton Belle Pullman' 5 Car Train Pack (Cream and Umber, 1934)



**HURRY WHILE STOCKS LAST – order today!**  
**Call: 01843 233 519**

quoting ref: **3ARNOLD** or visit [www.hornby.com/arnold](http://www.hornby.com/arnold)

(Telephone order lines are open 8am-5pm Monday to Friday)



### GUARANTEE OF SATISFACTION

If any item you order fails to give complete satisfaction, please return it within 7 days of receipt of goods, in the original packaging for a replacement or full refund. Terms and conditions apply. Please see website for more information.



/hornby



/officialhornby

Safety Warning: Detailed Scale model. Not suitable for children under 14 years. Please refer to Safety Notes in enclosed instruction leaflet. Colours and Contents may vary from those illustrated. Please retain these details and the address for future reference.

# EXCLUSIVE FIRST EDITIONS

Limited Editions with Endless Appeal

VALLIANT / SILVERLINE



23323  
AEC RF COACH

GREEN LINE NBC



17311  
LEYLAND NATIONAL MKI LONG

GREATER MANCHESTER TRANSPORT



18014  
DAIMLER MCW FLEETLINE

MIDLAND GENERAL



38117  
BRISTOL VRT

WILTS & DORSET



27318  
LEYLAND TD1

FIRST EASTERN NATIONAL



26626  
PLAXTON PARAMOUNT 3500

BRISTOL NBC



29704  
LEYLAND OLYMPIAN

BIRMINGHAM CORPORATION TRANSPORT



18013  
PARK ROYAL FLEETLINE

EAST KENT NBC



36903  
PARK ROYAL REGENT V

KELVIN CUMBERNAULD'S BUSES



17510  
LEYLAND NATIONAL MKII LONG

LONDON TRANSPORT



28824  
LEYLAND TITAN 2 DOOR

LONDON COUNTRY NORTH WEST



28910  
GM STANDARD ATLANTEAN

PICCADILLY LINE

SOLD SEPARATELY



80403 & 80503  
1959 TUBE TRAIN DRIVING CAR

Exclusive  
First  
Editions

For EFE Stockists Or To Buy Direct Stop Off At  
**exclusivefirsteditions.com**

Exclusive  
First  
Editions

# HORNBY magazine

April 2015

**Editor:** Mike Wild

**Assistant Editor:** Mark Chivers

**Senior Designer:** Steve Diggle

**Sub-editor:** Andrew Roden

**Contributors:** Evan Green-Hughes, Brian Stephenson, Tim Shackleton, Nigel Burkin, Graham Gaches, Paul Chetter, Julia Scarlett, Mike Bisset, Les Parry and Nick Skelton

## EDITORIAL ADDRESS

Hornby Magazine, Key Publishing,  
PO Box 100, Stamford, Lincolnshire PE9 1XQ

**Tel:** 01780 755131

**Email:** hornbymagazine@keypublishing.com

**Website:** www.hornbymagazine.com

## ADVERTISING

**Advertising Manager:** Tom Lee

**Email:** tom.lee@keypublishing.com

**Telephone:** 01780 755131

**Mobile:** 07969 471756

**Sales Executive:** Paige Hayward

**Email:** paige.hayward@keypublishing.com

**Telephone:** 01780 755131

**Advertising Production:** Cheryl Thornburn

**Tel:** 01780 755131 **Fax:** 01780 757261

**Email:** cheryl.thornburn@keypublishing.com

## ADVERTISING ADDRESS

Hornby Magazine, Key Publishing Ltd,  
Po Box 100, Stamford, Lincolnshire. PE9 1XQ

## SUBSCRIPTIONS/MAIL ORDER

PO Box 300, Stamford, Lincolnshire, PE9 1NA, UK

**Tel:** 01780 480404

**Fax:** 01780 757812

**Email:** Subscriptions - subs@keypublishing.com

**Email:** Mail Order - orders@keypublishing.com

## PUBLISHING

**Publisher:** Adrian Cox

**Managing Director:** Adrian Cox

**Commercial Director:** Ann Saundry

**Group Marketing Manager:** Martin Steele

**Chairman:** Richard Cox

**Webmaster:** Simon Russell

**Registered Office:** Units 1-4, Gwash Way Industrial Estate,  
Ryhall Road, Stamford, Lincolnshire PE9 1XP

## PRINTING

Precision Colour Printing Ltd, Haldane, Halesfield,  
Telford, Shropshire. TF7 4QQ.

## DISTRIBUTION

Seymour Distribution Ltd,  
2 Poultry Avenue, London. EC1A 9PP

**Tel:** 020 7429 4000

Having difficulty obtaining your copy of *Hornby Magazine*?  
Please contact the subscriptions team using the details above.

**Key**

© Key Publishing Ltd 2015

All rights reserved. No part of this magazine may be reproduced or transmitted in any form by any means, electronic or mechanical, including photocopying, recording or by any information storage and retrieval system, without prior permission in writing from the copyright owner. Multiple copying of the contents of the magazine without prior written approval is not permitted.

Material sent to the Editor, whether commissioned or freely submitted, is provided at the contributor's own risk; Key Publishing Ltd cannot be held responsible for loss or damage howsoever caused.

The opinions and views expressed by authors and contributors within *Hornby Magazine* are not necessarily those of the Editor or Key Publishing.

We are unable to guarantee the bona fides of any of our advertisers. Readers are strongly recommended to take their own precautions before parting with any information or item of value, including, but not limited to, money, manuscripts, photographs or personal information in response to any advertisements within this publication.

*HORNBY* is a registered trade mark of Hornby Hobbies Limited and is used under licence.

**abc** Audit Bureau of Circulation 35,415  
newsstand and digital sales.

*Hornby Magazine* is published on  
the second Thursday of each month  
preceeding the cover date.

ISSN 1753-2469

**ISSUE**  
**94**

**BIGGER SAVINGS**  
on subscriptions **Turn to**  
**p60**  
www.hornbymagazine.com

**HORNBY**  
magazine

# 18 Devon Junction



## WE SHOW YOU HOW!

### 28 WEATHERING A 'K1'

Tim Shackleton takes Hornby's new 'OO' gauge 'K1' 2-6-0 and demonstrates how to recreate an almost ex-works finish, while Mike Wild replicates an altogether more work-wear appearance.

### 32 BACK TO BASICS

Create your own static grass tufts. Nigel Burkin shows you how.



### 42 LEVEL CROSSING GATES

Nigel Burkin sets out to build a set of fully operational level crossing gates for his shunting project layout, Wheal Annah.

### 90 DCC SOUND

Paul Chetter breathes new life into a recently re-released Heljan 'OO' gauge 'Hymek' and demonstrates several ways of achieving great DCC sound.

p32

p90



# Inside...

- 7 **EDITORIAL**  
 Mike Wild takes stock of another bumper crop of new models which have arrived during February.
- 8 **UPDATE**  
 A busy month as Bachmann unveils its 2015 catalogue, Hornby reveals samples of its new 'OO' GWR 'King', SR 'S15' and Class 71 electric locomotives, plus more layouts are added to the Great Electric Train Show.
- 18 **DEVON JUNCTION**  
 Les Parry recalls how a childhood visit to Exeter St David's in the 1950s inspired him to recreate this grand station for 'OO' in the basement of his Spanish home.

- 36 **EQUIPMENT GUIDE**  
 Mike Wild explores DCC solenoid point motor accessory decoders, looks at the options available and explains how to install them.



- 48 **HORNBY POST**  
 Your views, opinions and responses from the *Hornby Magazine* postbag.
- 52 **RUMBLING BRIDGE**  
 Nick Skelton reveals how he plumped for a remote central Scottish location as the subject for this stunning 20ft x 2ft 'OO' gauge layout, set in the 1960s.
- 62 **REVIEWS**  
 Hornby's delightful Worsdell 'J15' 0-6-0 and Bachmann's brilliant Billinton 'E4' 0-6-2T for 'OO' impress *Hornby Magazine's* team this month, alongside Bachmann's new 'N' gauge Class 31 diesel and more.

- 66 **REALITY CHECK**  
 Born out of necessity, the humble Great Eastern 'J15' 0-6-0 plied its trade in the East of England for more than 70 years, as Evan Green-Hughes recalls.
- 96 **ALLANBRIDGE**  
 Bonnybridge and District Model Railway Club looked close to home for the subject of their 'OO' gauge 'modern-era' exhibition layout, as Mike Bisset explains.

- 106 **RAILWAY REALISM**  
 Evan Green-Hughes considers whether we might have had more modern branch lines to model had history played out differently.

- 110 **SHOW GUIDE**  
*Hornby Magazine's* comprehensive guide to forthcoming events.



## REVIEWED INSIDE

p62



**FIRST REVIEWS**

- 62 Hornby delivers the 'J15' 0-6-0
- 70 Bachmann's 22ton Tube wagon
- 72 Bachmann's Brilliant 'E4' 0-6-2T
- 76 Dapol's Maunsell carriages for 'N'
- 80 Bachmann's 'N' gauge Class 31

### ALSO DON'T MISS...

- 78 Dapol's upgraded 'N' gauge 'Britannia' 4-6-2
- 82 First World War Troop Train from Hornby
- 84 Woodland Scenics Tidy Track cleaning system



# Put yourself in the driving seat with ZIMO digital control



## Products for all scales

DCC decoders suitable for models ranging in size from 'N' to 'O' gauge, and larger, including garden railways.



## Incredible specification

Functionality is paramount at ZIMO. Plenty of function outputs are always provided for greater play value.



## Unrivalled motor control

Low-noise, high-frequency drive options with back-EMF sampling. Optimal performance from any motor type.



## High current ratings

Plenty of capacity provides peace of mind, plus there are thermal cut-outs and overload protection on all outputs.



## Superb sound quality

Powerful amplifiers, large memory and high sample rates means sounds need to be heard to be believed.



## Stay alive technology

Many decoders incorporate energy storage circuitry that will improve running over poor or dirty trackwork.



## Easy software updating

Our decoders can be easily updated with new software without the need to disconnect or disassemble locos.



## Worldwide reputation

Chosen by premium brands like Roco & Fleischmann. Widely respected in continental Europe and the USA.



## Great value for money

All decoders are made in our own hi-tech production facility in Austria and are surprisingly affordable.

ZIMO has been at the cutting edge of DCC for more than 30 years, offering a range of technologically advanced sound, motor and function decoders.

## The pinnacle in digital sound technology...

### MX644 & MX645 sound decoders

*With 1.2 Amp motor rating, 3 Watt audio amplifier, eight function outputs, built-in 'stay alive' circuitry and the revolutionary 'smart stop' technology, these are the decoders of choice for 4mm scale modellers.*

### Miniature 'sugar cube' speakers

*Matched to ZIMO's pre-wired loudspeaker outputs and designed for the tightest of spaces. Three sizes are available, complete with resonator boxes, right down to an amazingly small 8 x12 mm footprint!*

### 'Stay alive' supercapacitors

*Improve running characteristics and avoid sound interruption and lighting flicker by using an energy storage solution wired directly to your decoder. The compact SC68 unit is a powerful back-up.*

## At the forefront of digital command control since 1979

Ask for



by name...

ZIMO decoders, miniature speakers and supporting accessories are only available from these approved retailers:

RAIL EXCLUSIVE  
01780 470086  
DISTRIBUTOR

DIGITRAINS  
01522 527731  
GOLD

COASTAL DCC  
01473 403764  
SILVER

YOUCHOOS  
0844 772 5052  
SILVER

MR SOUNDGUY  
01983 531443  
SILVER

EDM MODELS  
01904 331973  
SILVER

DCC TRAIN AUTOMATION  
0117 230 8078  
BRONZE

DCC SUPPLIES  
0845 224 1601  
BRONZE

WICKNESS MODELS  
01387 738175  
BRONZE

# WELCOME

## THE EDITOR'S PAGE



FEBRUARY HAS been a bumper month for new releases with three new locomotives, a new wagon and a set of new carriages all arriving in the *Hornby Magazine* office. Add to this new wagons in 'N' and 'O' gauge which had just reached the shops as we closed for press and that's a tremendous amount of new product.

Highlights are undoubtedly the new 'J15' 0-6-0 and 'E4' 0-6-2T in 'OO' gauge, from Hornby and Bachmann respectively, which both fill significant gaps in the Eastern and Southern Region sectors.

The 'J15' is particularly poignant as it is the first time a Great Eastern Railway designed locomotive has been produced as a ready-to-run model to modern standards. Previously we had the 'B12' 4-6-0 from Hornby - although it has long been missing from the catalogue as a solo item - but the 'J15' is the first of two new Great Eastern engines due to be released this year with Hornby also developing the 'D16/3' 4-4-0.

All of this is excellent news and with last month's release of the '64XX' and 'Hall' 4-6-0 we are being spoilt for choice in 'OO' scale.

'N' gauge meanwhile seems to have hit the ground running too in 2015 with both Bachmann and Dapol doing a sterling job of turning out new models and reissues of existing products. Check out the review section of this issue for a selection of the new releases for 'N' this month covering the new Bachmann Class 31, upgrades to the Dapol BR 'Britannia', new Southern Railway vent vans, a bargain priced train pack from Bachmann and Dapol's eagerly awaited Maunsell carriages too.

All the ready-to-run manufacturers are busy working on new products and the recent Model Rail Scotland exhibition in Glasgow saw Hornby, Heljan and Oxford Rail display their latest projects. Heljan's stand was brimming with exciting prospects for 'OO' with the first decorated samples of the Metropolitan Bo-Bo electric and the latest samples of the Park Royal railbus. In 'O' gauge the highlight of the Heljan stand was definitely a pre-production hand decorated sample of Brush prototype D0280 *Falcon*. Add to this the latest tooling samples from Hornby showcasing progress

with the 'S15', 'King' and a mock up of the Class 71, and there is much to look forward to across all the major scales.

Talk of scales brings me neatly round to our supplement this month which offers 32 pages of model railway basics containing all the essential information you need to know to start building a model railway. We've enjoyed putting it together and we hope modellers of all levels will find useful information within it.

This issue also marks the launch of a new series for *Hornby Magazine* - the Equipment Guide. Our first subject is DCC accessory decoders. We've got a list of plans for future features in this series, but if you have a particular type of equipment which you'd like to see us take a closer look at then drop us a line at the usual address.

And don't forget to check out our full report on Bachmann's 2015 catalogue on pages 8-12...

Happy modelling!

*Mike Wild*  
Mike Wild  
Editor

### FREE

## BASICS

MODEL RAILWAY ESSENTIALS

32 page skills guide

REVIEWS

62

- Hornby's 'J15' 0-6-0
- Bachmann's 'E4' 0-6-2T
- Dapol Maunsell carriages
- Bachmann Tube wagon

PLUS Woodland Scenics' Tidy Track system

HOW TO

Our team shows you how to produce manually operated crossing gates, weather Hornby 'K1' 2-6-0s, install DCC sound in a Heljan 'Hymek' and more.

LAYOUTS

84

Modelling the present day with Allanbridge by Bonnybridge and District MRC.

# ISSUE GUIDE

FREE BASICS SUPPLEMENT

**HORNBY** magazine

Issue 94 April 2015 USA \$12.50 - CAD \$19.99 AUS \$10.95 - UK £3.95

www.hornbymagazine.com

REVIEWS

**Devon Junction WESTERN GLORY**

Gateway to the west recreated in Spain!

HOW TO...

Manual level crossing gates made easy  
Weathering a Hornby 'K1' 2-6-0 in 'OO'  
DCC sound for Heljan's 'Hymek' diesel

LAYOUTS

**ALLANBRIDGE**

Scottish main line action in the privatisation era

EQUIPMENT GUIDE ACCESSORY DECODERS

NEW '31' FOR 'N'

UPDATE

8

All the latest model railway news including new announcements from Bachmann's 2015 catalogue launch, Hornby's latest tooling samples, news in 'OO' and 'O' from Heljan and the latest additions to the Great Electric Train Show layout line up.

LAYOUT

16

Les Parry set out to replicate the busy junction at Exeter St Davids in 'OO' gauge with Western and Southern Region operations. The result is Devon Junction - a busy main line scene from the south west built in a basement in Spain!

REVIEW

80

Bachmann's latest addition to the Graham Farish 'N' gauge range is this fabulous model of the Brush built A1A-A1A Class 31 diesel locomotive.

# BACHMANN REVEALS 2015 RANGE

# NEW 'V2', '94XX'

**TABLE 1 – NEW BACHMANN 'OO' GAUGE STEAM LOCOMOTIVES, 2015**

CLASS	IDENTITY	LIVERY	CAT NO.
GWR 'City' 4-4-0	3708 <i>Killarney</i>	Great Western green	31-728
GWR '94XX' 0-6-0PT	9402	GWR green <b>NEW TOOLING</b>	35-025
GWR '94XX' 0-6-0PT	9487	BR black <b>NEW TOOLING</b>	35-026
GWR '94XX' 0-6-0PT	9479	BR black <b>NEW TOOLING</b>	35-027
SR 'C' 0-6-0	1294	Southern Railway black	31-461A
SR 'C' 0-6-0	31227	BR black, early crests	31-462A
LNWR 'Super D' 0-8-0	9376	LMS black	31-480
LNWR 'Super D' 0-8-0	49106	BR black, late crests	31-481
Midland '1F' 0-6-0T	1739	LMS black	31-433
Midland '1F' 0-6-0T	41803	British Railways black	31-434
Midland '1F' 0-6-0T	41726	BR black, early crests	31-435
Midland '3F' 0-6-0	3520	LMS black	31-627B
Midland '4F' 0-6-0	3848	Midland black	31-883
Midland '4F' 0-6-0	44044	BR black, late crests	31-884
LMS 'Crab' 2-6-0	42765	BR black, early crests	32-176
LMS 'Crab' 2-6-0	13174	LMS lined black	32-178A
LMS 'Royal Scot' 4-6-0	6130 <i>The West Yorkshire Regiment</i>	LMS lined crimson	31-285
LMS 'Royal Scot' 4-6-0	46163 <i>Civil Service Rifleman</i>	British Railways black	31-286
LMS 'Royal Scot' 4-6-0	46151 <i>The Royal Horse Guardsman</i>	BR lined green, early crests	31-287
LMS '4MT' 2-6-0	3000	LMS black	32-575A
LMS '4MT' 2-6-0	43014	BR lined black, late crests	32-580A
LNER 'J72' 0-6-0T	8680	LNER lined apple green	31-060
LNER 'J72' 0-6-0T	69001	BR black, early crests	31-061
LNER 'J72' 0-6-0T	69028	BR black, late crests	31-062
LNER 'J39' 0-6-0	1803	LNER black	31-866
LNER 'J39' 0-6-0	64792	BR black, early crests	31-867
LNER 'K3' 2-6-0	1304	LNER lined black	32-279A
LNER 'K3' 2-6-0	61862	BR lined black, early crests	32-281
LNER 'V2' 2-6-2	3645	LNER black <b>NEW TOOLING</b>	31-566
LNER 'V2' 2-6-2	60881	BR lined green <b>NEW TOOLING</b>	31-567
LNER 'A1' 4-6-2	60117	British Railways lined apple green	32-560
LNER 'A1' 4-6-2	60122 <i>Curlew</i>	BR lined blue, early crests	32-561
LNER 'O4' 2-8-0	6184	LNER black	31-003A
LNER 'O4' 2-8-0	63762	BR black, early crests	31-004A
BR '4MT' 2-6-4T	80135	BR lined green, late crests	32-353
BR '4MT' 2-6-4T	80092	BR lined black, early crests	32-359A
BR '4MT' 2-6-4T	80104	BR lined black, late crests	32-360A
BR '9F' 2-10-0	92189	BR black, late crests	32-858



**T**WO NEW STEAM locomotives, a steam crane and a new multiple unit are spearheading Bachmann's 2015 'OO' gauge range, which the company revealed on March 2.

Headlining the launch are newly tooled models of the GWR '94XX' 0-6-0PT, LNER 'V2' 2-6-2, Ransomes and Rapier 45ton steam crane and Class 450 Desiro four-car third-rail Electric Multiple Unit (EMU).

The addition of the '94XX' adds to the manufacturer's already strong range of Great Western Railway (GWR) 'Panniers'. Designed by Hawksworth, the first 10 were the last steam locomotives to be built by the GWR before nationalisation with the remaining 190 being built by outside contractors for British Railways. The addition of the '94XX' to the Bachmann range honours the heritage of Graham Farish, which produced an 'OO' model of the class between 1961 and 1979.

On release three versions of the '94XX' will be produced covering GWR green and BR black liveries – the latter with a choice of early and late crests. The model will feature a 6-pin DCC decoder socket.

Joining the 'Pannier' is an all new model of the brilliant London and North Eastern Railway (LNER) 'V2' 2-6-2. The 'V2s' were introduced in 1936 by Gresley with a fleet of 184 serving both the LNER and BR. The big mixed traffic 'Prairie'

has been a longstanding part of the Bachmann range and the new version will be tooled from scratch and feature a 21-pin decoder socket. The new tooling will cater for two different tenders, single and double chimneys and locomotives with inside and outside steam pipes.

Two versions are due for release initially covering 3645 in LNER black with a single chimney and inside steam pipes and 60881 in BR lined green with a double chimney and outside steam pipes.

Three further steam locomotives are set to receive new DCC ready chassis in 2015, reducing the remaining number of split chassis locomotives still further. Those to go through chassis rebuilds are the Fowler parallel boiler 'Royal Scot' 4-6-0, Worsdell 'J72' 0-6-0T and Gresley 'J39' 0-6-0.

Newly announced in the 2015 catalogue is a brand new model of a 45ton Ransomes and Rapier steam crane featuring a manually operated crane jib and rotating body. Four versions are planned covering GWR and Southern Railway black, together with BR red and BR black liveries. Full details and pricing of the model had yet to be confirmed as *Hornby Magazine* closed for press.

Completing the new tooling line-up for 2015 is the Class 450 Desiro EMU for 'OO' gauge. Introduced in 2002 a fleet of 127 units is operated by South West Trains on services

# & STEAM CRANE

Left Gresley 'V2' 2-6-2 60860 climbs Glenfarg bank with the 12.05pm Perth-Edinburgh Waverley in February 1961. Bachmann is set to produce a brand new model of the 'V2' for 'OO' in 2015. W.J. Verden Anderson/Rail Archive Stephenson.

Below. The GWR '94XX' 0-6-0PT is the latest 'Pannier' to be announced by Bachmann for 'OO' gauge. In April 1955 9409 heads an up pick up goods near Harefield on the Great Western/Great Central Joint line. Lewis Coles/Rail Archive Stephenson.



The Ransomes and Rapier 45ton steam crane is to be reproduced in 'OO' gauge by Bachmann. LMS steam crane RS 1012/36 lifts a bridge beam near Golcar on the LNWR Manchester-Leeds main line in 1951. Kenneth Field/Rail Archive Stephenson.

from London Waterloo. Utilising work done to create the Class 350 overhead electric EMU - a previous Bachmann release - the new '450' will be released in South West Trains livery and feature full third-rail shoebeam fittings and a 21-pin DCC decoder socket.

Beyond the newly tooled and enhanced models, Bachmann has also put together a strong selection of 33 new steam locomotives and 18 new diesel locomotives using existing models. Highlights include new versions of the 'Super D' 0-8-0, Robinson 'O4' 2-8-0, Midland '1F' and '4F' together with new identities for the BR '4MT' 2-6-4T and BR '9F' 2-10-0 - see Table 1 for the full list of new steam locomotives. On the diesel front new versions of the Class 40, 47, 55, 66, 70 and more are on the cards. See Table 2 for the full list of new diesel locomotives.

The Midland Pullman six car luxury train is also set to make a return in a special collectable train pack containing a bound history of this iconic train, a fine art print, reproduction menu card and a pack of Pullman stewards and train crew figures.

At the launch of the 2015 range Bachmann announced a full status update for its current projects revealing that the Class 43 'Warship' and Travelling Post Office (TPO) vans with nets are currently being produced in the factory and the

Wickham trolley and trailer are now at the tooling stage. See Table 3 for the full status update.

Scenecraft is set to expand too with the addition of 53 new buildings. These include a new two

part station building, a concrete footbridge, new low relief town buildings, a set of harbour fixtures.

● Visit [www.bachmann.co.uk](http://www.bachmann.co.uk) for more information.

**TABLE 2 - NEW BACHMANN 'OO' GAUGE DIESEL LOCOMOTIVES, 2015**

CLASS	IDENTITY	LIVERY	CAT NO.
Class 40	D338	BR green, small yellow panels	32-483
Class 40	40159	BR blue	32-484
Class 40	97407 <i>Aureol</i>	BR blue	32-485
Class 47/0	47256	BR two-tone green, full yellow ends	31-656
Class 47/4	47436	BR large logo blue	31-660
Class 55	D9001 <i>St Paddy</i>	BR two-tone green, full yellow ends	32-533
Class 55	55007 <i>Pinza</i>	BR blue, white cab window surrounds	32-532
Class 66/4	66416	Freightliner Powerhaul	32-981
Class 66/4	66434	Direct Rail Services	32-982
Class 70	70015	Freightliner Powerhaul	31-590
Class 70	70805	Colas Rail Freight	31-591
Class 101	Two-car	BR green, small yellow panels, weathered	32-286A
Class 101	Two-car	BR blue and grey, weathered	32-287A
Class 108	Three-car	BR blue	32-912A
Class 450	450073	South West Trains <b>NEW TOOLING</b>	31-040
Class 450	450127	South West Trains <b>NEW TOOLING</b>	31-041
Class 411	7106	BR green	31-425C
Class 411	7122	BR green, small yellow warning panels	31-426B
Class 416	5764	BR blue, weathered	31-375A
Class 416	5771	BR green	31-379

**TABLE 3 - 'OO' GAUGE PRODUCTION STATUS UPDATE**

DESCRIPTION	STATUS
<b>LOCOMOTIVES</b>	
GWR 'Modified Hall' 4-6-0	Shipping
GWR 'Hall' 4-6-0	Shipping
LBS CR 'H2' 4-4-2	Research
LNWR 'Coal Tank' 0-6-2T	CAD/CAM
LMS 'SMT' 2-6-0	CAD/CAM
LMS '2MT' 2-6-2T	CAD/CAM
GNR 'C1' 4-4-2 (NRM exclusive)	Production
LNER 'V1'/'V3' 2-6-2T	CAD/CAM
LMS 10000/10001 (Rails exclusive)	Artwork
Class 24/1	Research
Class 43 'Warship'	Production
Class 90	Research
Class 158	CAD/CAM
Wickham trolley	Tooling
<b>NARROW GAUGE</b>	
Baldwin 10-12-D 4-6-0T ('009')	Research
Three plank bogie open ('009')	Research
Ambulance bogie van ('009')	Research
<b>CARRIAGES</b>	
'Birdcage' carriages	CAD/CAM
Thompson carriages	CAD/CAM
BR autococh	Artwork
Mk 2f carriages	CAD/CAM
<b>WAGONS</b>	
20ton tank wagon	CAD/CAM
BR 21ton grain wagon	Shipping
Class B TTA tank wagon	Research
FFA/FGA Freightliner flats	Research
Intermodal wagons with tanktainers	Research
WD Warflat bogie wagon	Research

# TWO NEW LOCOMOTIVES JOIN GRAHAM FARISH RANGE



**B**ACHMANN'S Graham Farish 'N' gauge range is being bolstered by two new locomotives, two new items of rolling stock and the introduction of the UK's first ready-to-run Digital Command Control (DCC) sound fitted model for the scale.

Headlining the newly tooled 'N' gauge models is the popular Class 40 diesel locomotive. This brand new model will feature a highly detailed bodyshell, directional lights and a new DCC ready chassis featuring a 6-pin DCC decoder socket. Three models will be released initially including a BR green version with indicator discs together with two centre headcode versions in BR green

with small yellow panels and BR blue with full yellow ends.

Also added to the range is the diminutive London and North Eastern Railway (LNER) 'J72' 0-6-0T, a locomotive class which holds special significance to Bachmann as it was one of the first models to appear in its 'OO' gauge range 26 years ago. This new and highly detailed model will feature all wheel pick up, coreless motor and makes use of the recently developed 6-pin right angled DCC decoder socket introduced on the Fowler 'Jinty' 0-6-0T. It will be available in LNER lined green, BR black with early crests and BR black with late crests.

In a new development for the British market, Bachmann is developing its first 'N' gauge

DCC sound fitted ready-to-run model. This new venture will see the company's Class 108 two-car Diesel Multiple Unit (DMU) fitted with a DCC sound decoder and small speaker in one of the vehicles, together with authentic sounds. For the full list of new locomotives for 2015, see Table 1.

The rolling stock roster includes two new vehicles to the range - a London Midland & Scottish Railway (LMS) 50ft inspection saloon and Southern Railway (SR) 25ton 'Queen Mary' brake van. Whilst new to the Graham Farish catalogue, both models were previously available exclusively through the N Gauge Society. The inspection saloon is due to appear in LMS lined crimson lake, BR maroon and BR

blue and grey liveries while the 25ton 'Queen Mary' brake van will be released in SR brown, BR bauxite and EWS maroon liveries.

Other 'N' gauge highlights for the year ahead include the soon to appear SR 'Merchant Navy' 4-6-2s, SR 'N' 2-6-0s and LNER 'A2' 4-6-2s - the latter currently undergoing some reworking following the discovery of assembly errors on its arrival in the UK. For a full update of previously announced models see Table 2.

The Hunslet Barclay/Nomix-Chipman weedkiller train which operated on the British Rail network from the late 1980s is to be modelled in 'N' by Bachmann in 2015 too with a twin-pack of Class 20 diesels 20905 *Janis* and 20906 *Georgina*, plus a twin-pack

The English Electric Class 40 is the latest diesel locomotive to be announced for 'N' gauge by Bachmann. In 1965 centre headcode D362 rounds the curve at Wormit from the Tay Bridge with an Aberdeen-Edinburgh Waverley express. W.J. Verden Anderson/Rail Archive Stephenson.



The 'J72' is to be modelled in 'N' gauge by Bachmann. 'J72' 0-6-0T 68723 operates as station pilot at Newcastle Central in the 1950s. Gordon Hepburn/Rail Archive Stephenson.



Above: Joining the main Bachmann range is the LMS 50ft inspection saloon.

Right: New for Southern Railway and Region modellers is the 'Queen Mary' bogie brake van.



of suitably liveried Mk 1s and a triple pack of 45ton TTA water tank wagons in plain black. A set of three BR (SR) green Bulleid coaches are also being released, comprising two semi-open brake vehicles and a corridor second coach, offering an instant train formation.

The Midland Pullman six car diesel train makes a return in 'N' gauge too in a special collectable train pack.

A programme of 27 new additions to the Scenecraft range of cast resin 'N' gauge buildings includes a new crossing keeper's cottage, lineside control cabin, modern servicing depot, a church and a model of Oakworth station on the Keighley and Worth Valley Railway.

● Visit [www.bachmann.co.uk](http://www.bachmann.co.uk) for more information.

**TABLE 1 – NEW BACHMANN 'N' GAUGE LOCOMOTIVES 2015**

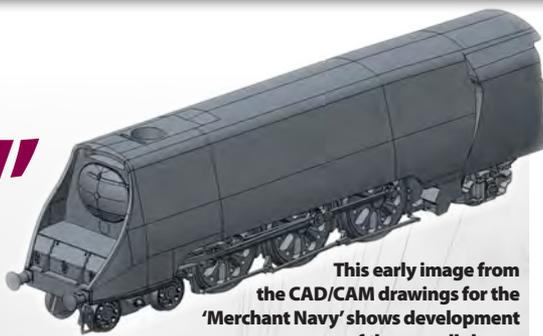
CLASS	IDENTITY	LIVERY	CAT NO.
LNER 'J72'	8680	LNER lined green	372-825 NT
LNER 'J72'	69001	BR black with early crests	372-826 NT
LNER 'J72'	69028	BR black with late crests	372-827 NT
Class 04	D2283	BR green with wasp stripes	371-050C
Class 04	D2295	BR blue with wasp stripes	371-051C
Class 04	D2332 <i>Lloyd</i>	National Coal Board (NCB) yellow	371-054
Class 08	08672	BR blue with wasp stripes	371-015C
Class 08	D3785	BR plain green with late crests	371-021A
Class 20	20904/20906	Hunslet Barclay grey	371-035
Class 40	D211 <i>Mauretania</i>	BR green with indicator discs	371-180 NT
Class 40	D369	BR green with small yellow panels	371-181 NT
Class 40	40159	BR blue with full yellow ends	371-182 NT
Class 60	60035	EWS maroon	371-350A
Class 60	60057 <i>Adam Smith</i>	BR coal sector grey	371-357
Class 60	60021	Colas Rail yellow, orange and black	371-358
Class 66	66101	DB Schenker red	371-383A
Class 66	66434	DRS 'Compass' blue	371-397
Class 108	TBC	BR blue (with DCC Sound)	371-876DS
Midland Pullman	TBC	Pullman Nanking Blue	370-425

**TABLE 2 – 'N' GAUGE MODEL PRODUCTION STATUS UPDATE**

DESCRIPTION	STATUS
<b>LOCOMOTIVES</b>	
GWR 'Castle' 4-6-0	CAD/CAM
GWR '64XX' 0-6-0OPT	CAD/CAM
SR 'Merchant Navy' 4-6-2	Production
SR 'N' 2-6-0	Production
LNER 'A2' 4-6-2	Production
BR '4MT' 2-6-4T	Tool room
Class 47/7	Production
<b>CARRIAGES</b>	
GWR Hawksworth coaches	Artwork
SECR 60ft 'Birdcage' stock	Research
SR 50ft Bogie B luggage van	Artwork
SR passenger luggage vans	Research
BR autococh	CAD/CAM
BR Mk 2f coaches	Research
<b>WAGONS</b>	
BR 12ton pipe wagon	Tool room

Note: New tooling models for the 2015 Graham Farish range are marked NT in Table 1.

# Hornby reveals... 'MERCHANT NAVY' FOR 2016 RANGE!



This early image from the CAD/CAM drawings for the 'Merchant Navy' shows development of the overall shape.

Bulleid 'Merchant Navy' 4-6-2 21C9  
Shaw Savill climbs Honiton bank with a Waterloo-West of England express in 1947. Reginald Clark/Rail Archive Stephenson.



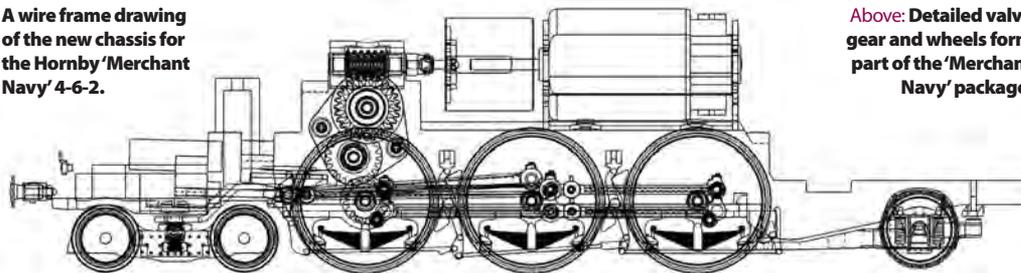
In a classic Southern Region steam scene, 'Merchant Navy' 35005 *Canadian Pacific* stands on the turntable at Nine Elms shed on June 15 1957. The locomotive was later rebuilt in May 1959. J.F. Davies/Rail Archive Stephenson.

**I**N A SURPRISE move Hornby revealed in late February that it is producing a ready-to-run 'OO' gauge model of the 'air-smoothed' Bulleid 'Merchant Navy' 4-6-2 for release in its 2016 range. March 2016 marks the 75<sup>th</sup> anniversary of the class' entry to traffic.

Revealed at the end of February the model has been shown by Hornby in the early CAD/CAM drawing stage with further details and pricing of the model yet to be announced.

The design was introduced to traffic to Bulleid's radical design in 1941 with the entire class being built at the Southern Railway's Eastleigh Works. A European

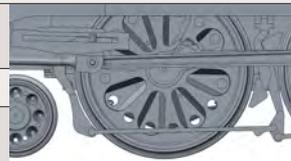
A wire frame drawing of the new chassis for the Hornby 'Merchant Navy' 4-6-2.



Above: Detailed valve gear and wheels form part of the 'Merchant Navy' package.

numbering system was adopted for the class with the locomotives originally being number 21C1-21C19, although this scheme was later dropped by BR in 1949 with the remaining locomotives built with BR numbers. Ultimately the class became 35001-35029. Naming was after shipping lines.

FACTS AND FIGURES	
Designer:	Oliver Bulleid
Builder:	Southern Railway, Eastleigh Works
Built:	1941-1949
Total in class:	30
Number range:	21C1-21C19 (Southern Railway) 35001-35029 (British Railways, post 1948)
Wheel arrangement:	4-6-2
Length:	69ft 8in
Driving wheel diameter:	6ft 2in
Boiler pressure:	280lb/sq in (reduced to 250lb/sq in)
Tractive effort:	37,515lbs



The original condition air-smoothed 'Merchant Navy' has long been high on modellers' wish lists for 'OO' and with Hornby's existing Southern Region models including both original and rebuilt 'West Country'/'Battle of Britain' 4-6-2s and the rebuilt 'Merchant Navy' class 'Pacific' the original

condition 'MN' is a logical choice. Early CAD/CAM drawings suggest Hornby is working on the original condition locomotives first – the 'Merchant Navy' class being subject to a wide range of detail differences. **● Visit [www.hornbymagazine.com](http://www.hornbymagazine.com) for more images from the CAD/CAM drawings.**

THE  
**GREAT ELECTRIC**  
 TRAIN SHOW  
 OCTOBER 10/11 2015

# LINE UP GROWS

The line up for The Great Electric Train Show (HM93) is increasing with the latest announcements adding four layouts to the list for the weekend of October 10/11.

**N**EW to the show are Wirral Finescale Railway Modellers' ever popular Widnes Vine Yard modelling the post 2000 era railway (HM38), Nick Skelton's Scottish backwater Rumbling Bridge – see pages 52-59 – and Andy Hopper's Southern Railway 'might have been' terminus for Manston Airport (HM85). The fourth announcement is Nigel Burkin's Wheal Annah – modelling Cornish china clay workings in 'N' gauge - which will be making the long journey from Scotland to take part in the Great Electric Train Show (HM86-HM93).

These four join Southampton MRC's Ackthorpe (HM39), Paul Hopkins' Redford Junction (HM77), Scarborough and District Railway Modellers' North of England Line

(HM33), Redditch MRC's Oakenshaw (HM88) and *Hornby Magazine's* Shortley Bridge and Felton Cement Works announced in HM93.

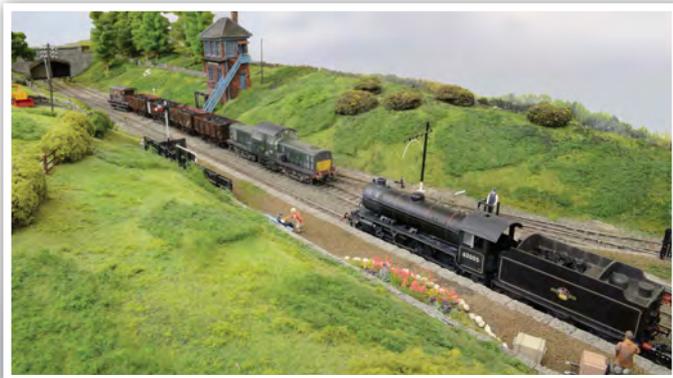
The layout line up continues to grow and more layouts will be revealed in the run up to the event. In total more than 25 will take part in the two day event at the Heritage Motor Centre, Warwickshire, together with up to 30 traders and a range of demonstrators.

Advance tickets are available to order now and include early entry to the show, discounted prices and freedom of the Heritage Motor Centre. A free bus service will be provided from Leamington Spa railway station on the Saturday only.

● Visit [www.grealelectrictrainshow.com](http://www.grealelectrictrainshow.com) for more information or to order tickets.

## THE DETAILS

<b>Event:</b>	The Great Electric Train Show
<b>When:</b>	October 10/11 2015
<b>Where:</b>	Heritage Motor Centre, Gaydon, Warwickshire CV35 0BJ
<b>Times:</b>	Sat 10am-5pm, Sun 10am-4pm
<b>Website:</b>	<a href="http://www.grealelectrictrainshow.com">www.grealelectrictrainshow.com</a>
<b>Advance tickets:</b>	Adults £9, children £7 (advance ticket holders gain entry 30 minutes before normal opening time)
<b>Tickets on the day:</b>	Adults £12, concessions £10, children £8, family (2+3) £34



Above: Andy Hopper's Manston Airport will be at the 2015 event. Trevor Jones/*Hornby Magazine*.

Left: Nick Skelton's Rumbling Bridge will be representing BR's Scottish Region at the Great Electric Train Show. Mike Wild/*Hornby Magazine*.

Below: Widnes Vine Yard joins the line up for the 2015 Great Electric Train Show. Mike Wild/*Hornby Magazine*.



# Hornby's Class 71 heads up GLASGOW APPEARANCE



**H**ORNBY'S return to Model Rail Scotland in Glasgow on February 20-22 was heralded with the display of a 3D rapid prototype sample of its planned 'OO' gauge Class 71 electric locomotive (HM91).

Featuring a detailed underframe, bogies and bufferbeam at one end the sample was also fitted with a fine metal pantograph. This model is due to form part of Hornby's 2016 range, with prices, livery details and release dates yet to be announced.

New engineering prototype samples of Hornby's 'OO' gauge

Great Western Railway (GWR) 'King' and Southern Railway (SR) 'S15' 4-6-0 locomotives also made an appearance at the show. Announced last autumn (HM89), the 'King' will feature metal handrails, separate smokebox door dart and metal buffers. Four running numbers will feature as 6000 *King George V* (Cat No. R3330) and 6011 *King James I* (R3331) in GWR livery, 6013 *King Edward VIII* in BR livery with late crests (R3332) and 6021 *King Richard II* in BR livery with early

crests (R3370TTS), the latter fitted with Hornby's Twin Track Sound (TTS). Prices are set at £159.99 for standard and £179.99 for TTS fitted models, with delivery expected in the third quarter of 2015.

Hornby's Maunsell 'S15' (HM92) will appear in Southern Railway olive green (R3327), BR lined green with early crests (R3328) and BR lined green with late crests

(R3329). Featuring a highly detailed body, straight and flare sided tenders, separate handrails, metal buffers and lamp irons. Priced at £134.99, release is anticipated during the third quarter of 2015.

● Visit [www.hornby.com](http://www.hornby.com) for more information.



The Maunsell 'S15' 4-6-0 for 'OO' (left) is looking promising in this first sample.

The new GWR 'King' 4-6-0 for 'OO' from Hornby (above) shows signs of the majesty of the real locomotives.



## Heljan's 'O'utstanding models

Heljan's impressive display of 'O' gauge models at Model Rail Scotland in Glasgow on February 20-22 included the imminent model of the AC Cars railbus.

Featuring a substantial cast chassis, five-pole motor, detailed cabs and interior, headcode indicators and directional lights, three versions will be available as W79975 in BR light green with 'speed whiskers' (Cat No. 8890), W79977 in BR dark green with small yellow warning panels (8891) and W79978 in BR dark green with 'speed whiskers' (8892). Due for release shortly, it is priced at £495.

An impressive hand decorated 'O' gauge sample of Brush prototype 1200 *Falcon* in BR blue livery was also on display (see

separate story) on the stand together with decorated samples of Heljan's 'O' gauge Cargowagon IWB bogie van and IPE/IGE bogie flats. These vehicles are due for release later this year with the IWB bogie van available in Cargowagon, plain silver and Blue Circle Cement liveries while the IPE/IGE bogie flat will be available in Cargowagon and Corus Rail liveries. Prices are set at £189 each.

Decorated samples of the forthcoming 'O' gauge 'Catfish' and 'Dogfish' hopper wagons were also on display, finished in engineers olive green. Priced at £99.95 each, they will be available later this year.

● Visit [www.heljan.dk](http://www.heljan.dk) for more information.



## Park Royals and 'Mets'

Heljan's stand at Model Rail Scotland showcased the company's forthcoming 'OO' gauge models including decorated samples of the long awaited Park Royal railbuses.

Four models will be released as SC79970 and M79971 in BR green with 'speed whiskers' (Cat No. 8750/8752), and SC79974 and M79972 in BR green with small yellow panels (8751/8753). The models will cost £119.95,

delivery is expected during the second quarter of 2015.

Three decorated examples of Heljan's 'OO' gauge Metropolitan Railway Bo-Bo were also on view covering No. 1 in wartime grey (9002), 8 *Sherlock Holmes* in London Transport livery (9003) and 9 *John Milton* in Metropolitan Railway livery (9001), although the livery on the latter is to be revised. Prices are £139.95 each, with delivery expected later this year.



## Supersized Falcon

BR two tone green with small yellow warning panels (5351) and as 1200 in BR blue with full yellow warning panels (5352).

Featuring a heavy die-cast chassis, twin motors, rotating roof fans, directional lighting and sprung buffers, *Falcon* is expected to be released in late 2015 with price anticipated in the region of £659-£699.

● Visit [www.heljan.dk](http://www.heljan.dk) for more details.



## Rapido APT-E on target

Development of Rapido Trains 'OO' gauge Advanced Passenger Train - Experimental (APT-E) model continues with a new sample emerging in late February. This latest engineering prototype is currently undergoing mechanical evaluation with Rapido Trains' team before further work on the tooling is completed.

Available as a four car unit it will feature two five-pole skew

wound motors, accurately detailed bodysells, full cab and interior detail, directional lighting, interior instrumentation consoles and tilt capability.

Exclusively available through Locomotion Models, the APT-E is due late 2015, priced at £225 for DCC ready versions and £325 for factory-fitted DCC sound versions.

● Visit [www.locomotionmodels.com](http://www.locomotionmodels.com) for more information.

Heljan afforded a tantalising glimpse of its forthcoming 'O' gauge model of Brush prototype D0280 *Falcon* in late February.

Just 750 models of the locomotive will be manufactured split between three liveries in original lime green and chestnut brown (Cat No. 5350),

### DCC CONTROL



DCC01 Prodigy Express System £149.95



DCC02 Prodigy Advance2 System £279.95



DCC03 Prodigy Advance2 Wireless System £479.95

- DECODERS**
- DCC22 CLASSIC 2 Function Micro £24.95
  - DCC23 CLASSIC 8 Pin Plug-in Decoder £24.95
  - DCC27 OMNI 21 & 8 Pin Decoder £18.95
  - DCC28 OMNI 6 Pin Decoder with Harness TBA
  - DCC29 OMNI Direct Plug Decoder TBA
  - BPDC27 OMNI 21 & 8 Pin Decoder (5) £89.95
  - BPDC28 OMNI 6 Pin with Harness (5) TBA
  - BPDC29 OMNI Direct Plug Decoder (5) TBA
  - DCC30 Accessory Decoder 4 Accessories £59.95
  - DCC31 Accessory Decoder Kato UniTrack £15.95

- DCC ACCESSORIES**
- DCC11 Prodigy Extension Plate £36.95
  - DCC13 Prodigy Adv2 Wireless Walkaround £174.95
  - DCC14 Prodigy Adv2 Backlit Walkaround £125.95
  - DCC40 Auto Reverse Module £39.95
  - DCC49 Prodigy DCC Booster Unit 8 Amp £169.95
  - DCC51 Prodigy Wireless Conversion Set £259.95
  - DCC55 Prodigy Wired Computer Interface £52.95
  - DCC60 Spare plug for Prodigy £3.25
  - DCC61 Medium NEM 652 Socket (5) £7.95
  - DCC62 Prodigy Universal Lead (2m) £4.95
  - DCC63 Prodigy Adv Power Supply Unit £24.95
  - DCC71 Prodigy Decoder Tester £9.95
  - DCC72 8 to 21 Pin Adaptor £4.50
  - DCC73 25mm JST 9 Pin Short Harness (2) £4.25

### ANALOGUE CONTROL

#### MAINS POWERED CONTROLLERS



GMC-COMBI Single Track Controller £39.95  
 GMC-100M Single Track £84.95  
 GMC-100M2 Single Track Z Scale £104.95  
 GMC-100MO Single Track O Scale £84.95  
 GMC-10LGB Single Track G Scale £99.95  
 GMC-10LGB5F Single Track G Scale Fan £164.95  
 GMC-P Single Track Simulation £99.95  
 GMC-PO Single Track Simulation O Scale £99.95



GMC-D Twin Track £94.95  
 GMC-DZ Twin Track Z Scale £109.95

- MODULES**
- GMC-SS1 Super Shuttle Unit £32.95
  - GMC-SS1LGB Super Shuttle Unit G Scale £44.95
  - GMC-SS2 Station Stop Unit £37.95

### ANALOGUE CONTROL



GMC-DO Twin Track O Scale £159.95  
 GMC-DF Twin Track Feedback £99.95



GMC-DS Twin Track Simulation £164.95  
 GMC-DSZ Twin Track Simulation Z Scale £174.95  
 GMC-TS Three Track Simulation £174.95  
 GMC-TSZ Three Track Simulation Z Scale £184.95



GMC-Q Four Track £169.95  
 GMC-OZ Four Track Z Scale £179.95

- PANEL MOUNT CONTROLLERS**
- GMC-100 Single Track £34.95
  - GMC-100.O Single Track O Scale £44.95
  - GMC-100LGB Single Track G Scale £54.95
  - GMC-IJ Single Track Simulation £42.95
  - GMC-UF Single Track Feedback £37.95
  - GMC-UO Single Track Simulation O Scale £57.95
  - GMC-UD Twin Track £52.95
  - GMC-UDF Twin Track Feedback £57.95
  - GMC-UDS Twin Track Simulation £67.95
  - GMC-UTS Three Track Controller Sim. £79.95
  - GMC-UQ Four Track £84.95



**HANDHELD CONTROLLERS**

- GMC-W Single Track £37.95
- GMC-HH Single Track Feedback £39.95
- GMC-WS Single Track Simulation £59.95

- MAINS POWERED TRANSFORMERS**
- GMC-M1 Output 2 x 16v AC £47.95
  - GMC-M1DC Output 2 x 12v DC £52.95
  - GMC-M2 Output 1 x 16v AC (2.5a) £52.95
  - GMC-M3 Output 1 x 24v AC (1.25a) £52.95
  - GMC-M4 Output 2 x 12v AC (1.25a) £52.95
  - GMC-M5 Output 1 x 12v AC (5a) £84.95
  - GMC-M6 Output 1 x 24v AC (2.5a) £84.95
  - GMC-M12S Output 1 x 22v DC (5a) £99.95

#### WALL MOUNTED TRANSFORMERS

GMC-WM1 Output 1 x 16v AC or 12v DC £18.95  
 GMC-WM2 Output 1 x 9v DC (0.8a) £18.95



**OPEN TRANSFORMERS**

- GMC-T1 Output 2 x 16v AC (1a) £20.95
- GMC-T1DC Output 2 x 12v DC (1a) £25.95
- GMC-T2 Output 1 x 16v AC (2.5a) £20.95
- GMC-T3 Output 1 x 24v AC (1.25a) £20.95
- GMC-T4 Output 2 x 12v AC (1a) £20.95
- GMC-T5 Output 1 x 12v AC (5a) £29.95
- GMC-T6 Output 1 x 24v AC (2.5a) £27.95
- GMTFK1 Fitting Kit for T1/T3/T4 £13.95
- GMTFK2 Fitting Kit for T2 £13.95

- AXLE-HUNG TRACK CLEANING PADS**
- GMC-HF1 Single Track Unit £38.95
  - GMC-HF2 Double Track Unit £48.95

- TRACK TESTER**
- GM37 OO/HO Track Cleaning Pads (3) £5.50
  - GM39 N Track Cleaning Pads (3) £5.50

### POINT CONTROL



**POINT CONTROL STARTER SET**  
 GMC-PCSET Point Control Starter Set £49.95  
 Contains Mains Powered CDU, 3 x Point Motors, 3 x Reels of 10m Wire & 3 x Toggle Switches

#### MAINS POWERED POINT CONTROL SYSTEM



GMC-PCU1 Point Control Unit £114.95  
 GMC-PCU2 Slave Unit for PCU1 £52.95



**CAPACITOR DISCHARGE UNITS**

- GMC-CDU Capacitor Discharge Unit £13.95
- GMC-MCDU Mains Powered CDU £24.95



**POINT MOTORS**

- GMC-PM1 Motor with Built-In Switch £5.25
- GMC-PM2 Motor No Switch £4.95
- GMC-PM4 Motor Latching Mechanism £6.25



**UNCOUPLERS**

- GMC-EM1 N Electro Magnetic Uncoupler £8.95
- GMC-EM2 Coupling Adaptor Fret (20) £8.95
- GMC-TLU OO Tension Lock Uncoupler £10.95



**TRACK**



**ELECTRONIC HIGH FREQUENCY TRACK CLEANERS FOR DC (ANALOGUE) USE ONLY**



- TRACK TESTER**
- GM52 Multi Scale Track Tester £4.95

### TRACK



- OO SCALE FLEXIBLE TRACK**
- GM60 600mm Flexible Track (24) £59.95
  - GM90 900mm N/Silver Flexible Track (100) £299
  - GM91 900mm Steel Flexible Steel (100) £175
  - GM93 900mm N/Silver Blk Flexi Track (24) £79.95
  - GM94 900mm N/Silver Brn Flexi Track (24) £79.95
  - GM95 900mm Steel Flexible Track (24) £47.95
  - GM97 900mm N/Silver Brn Flexi Track (100) £299
  - GM19 Code 100 (OO) Rail Joiners (24) £2.45



- OO SCALE TRACK ACCESSORIES**
- GM45 OO/HO Re-Railer £5.35
  - GM54 OO Buffer Stop £1.75
  - BPGM54 OO Buffer Stop (5 Pack) £8.25



GM55 OO Lit Buffer Stop £6.95  
 GM56 OO Buffer Stop Lights (Pack of 2) £9.95  
 GM13 Pair of Leads (Joiners/Bare Wire) £4.45  
 GM66 Homby Type Track Pins 10mm £2.50  
 GM67 Extra Long Track Pins 15mm £2.50



**N SCALE FLEXIBLE TRACK**

- GM92 730mm N/Silver Flexible Track (100) £199
- GM96 730mm N/Silver Flexible Track (24) £54.95
- GM18 Code 80 (N) Rail Joiners (24) £2.35

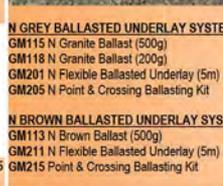


**N SCALE TRACK ACCESSORIES**

- GM45 N Re-Railer £2.95
- GM53 N Scale Buffer Stop £1.75
- BPGM53 N Scale Buffer Stop (Pack of 5) TBA



GM57 N Lit Buffer Stop on Track £8.95  
 GM58 N Buffer Stop Lights (Pack of 2) £9.95  
 GM17 Pair of Leads (N Joiner/Bare Wire) £3.25



- OO GREY BALLASTED UNDERLAY SYSTEM**
- GM114 OO/HO Granite Ballast (500g) £3.45

### SCENICS



- STARTER PACK**
- GM194 Scenic Starter Pack £26.95



**GENERAL SCENIC MODELLING PRODUCTS**

- GM100 Mod Roc (2.75m) £4.45
- GM119 Fine Flaster of Paris (1kg) £5.75



GM130 1/8 Cork Sheet 3' x 2' (60 x 90cm) £6.25  
 GM131 1/8 Cork Sheet 3' x 2' (60 x 90cm) £10.25  
 GM167 Balsa Bundle 50 x 76 x 229mm £1.75  
 GM168 Balsa Bundle 75 x 150 x 450mm £8.95



**GRASS & GRAVEL MATS**

- GM20 Spring Grass Mat 100cm x 75cm £7.95
- GM21 Summer Grass Mat 100cm x 75cm £7.95



GM22 Autumn Grass Mat 100cm x 75cm £7.95  
 GM23 Gravel Mat 100cm x 75cm £5.95  
 GM38 Spring Grass Mat 240cm x 120cm £32.95  
 TBA GM135X Mini Mat 45 x 30m (SINGLE) £1.65



**MEADOW MATS**

- GM140 Meadow Mat - Spring 6mm Grass £8.75



GM141 Meadow Mat - Meadow 6mm Grass £8.75  
 GM142 Meadow Mat - Spring 12mm Grass £11.75  
 GM143 Meadow Mat-Meadow 12mm Grass £11.75  
 GM147 Meadow Mat - Beige 6mm Grass £8.75  
 GM148 Meadow Mat - Beige 12mm Grass £11.75



- STATIC GRASS SYSTEM**
- GM196 Static Grass Starter Set £9.95
  - GM193 Puffer Bottle £4.65
  - GM169 Static Grass Glue (250ml) £6.95
  - GM170 Spring Grass Flock (30g) £3.05
  - GM171 Summer Grass Flock (30g) £3.05
  - GM172 Moorland Grass Flock (30g) £3.05
  - GM173 Meadow Grass Flock (30g) £3.05
  - GM174 Woodland Floor Grass Flock (30g) £3.25

### SCENICS

- GM164 Light Green Lichen (80g) £4.75  
 GM165 Dark Green Lichen (80g) £4.75  
 GM166 Assorted Lichen (80g) £4.75

- FOLIAGE**
- GM150 Fine Light Green Foliage (30g) £3.05
  - GM151 Fine Dark Green Foliage (30g) £3.05
  - GM152 Fine Mid Green Foliage (30g) £3.05
  - GM153 Fine Light Brown Foliage (30g) £3.05
  - GM154 Fine Brown Foliage (30g) £3.05

- STANDARD TREES**
- GM180 Plum Trees (3) £6.95
  - GM181 Plum Trees in Blossom (3) £6.95
  - GM182 Fruit Trees (3) £6.95
  - GM183 Apple Trees (3) £6.95
  - GM184 Birch Trees (3) £6.95



GM185 Weeping Willow Trees (3) £6.95  
 GM186 Poplar Trees (3) £6.95  
 GM187 Pine Trees (3) £8.50  
 GM188 Beech Trees (2) £7.50



**VALUE TREES**

- GM128 Spring Tree Assortment (10) £9.95



GM129 Summer Tree Assortment (10) £9.95

- BULK TREES**
- GM120 Deciduous Trees (25) £19.95
  - GM121 Mixed Trees (25) £19.95
  - GM122 Fir Trees (25) £19.95
  - GM123 Small Fir Trees (50) £29.95
  - GM124 Deciduous Trees (25) £19.95
  - GM125 Spruce Trees (25) £19.95

#### MAKE YOUR OWN TREES

GM195 Seafarm for Tree Making £20.50  
 GM156 Light Green Scenic Leaves (50g) £3.55  
 GM157 Mid Green Scenic Leaves (50g) £3.55  
 GM158 Dark Green Scenic Leaves (50g) £3.55



**FLOWERS**

- GM139 Flowerbeds £11.95

- GM175 OO/HO Garden Flowers £9.25  
 GM176 OO/HO Water Plants £9.25  
 GM177 OO/HO Garden Plants £9.25  
 GM178 OO/HO Wild Flowers £9.25

- GRASS TUFTS**
- GM136 Spring Grass Tufts £10.95
  - GM137 Summer Grass Tufts £10.95
  - GM138 Flowering Grass Tufts £11.95



HIGHWAYS



**OO SCALE WIDE ROAD SYSTEM**  
GM370 80mm Wide Tarmac Road (1m) £6.95  
GM371 80mm Wide Universal Curves (2) £6.95

**OO SCALE NARROW ROAD SYSTEM**  
GM375 68mm Wide Tarmac Road (1m) £6.95  
GM376 68mm Wide Universal Curves (2) £6.95

**N SCALE ROAD SYSTEM**  
GM390 40mm Wide Tarmac Road (1m) £6.95  
GM391 40mm Wide Universal Curves (2) £6.95



**OO SCALE VEHICLE LIGHTING KITS**  
GM385 Vehicle Lighting Kit £9.95  
GM386 Emergency Vehicle Kit (Blue) £12.95  
GM387 Orange Vehicle Kit (Orange) £12.95

**TINY SIGNS**



**OO SCALE REPLICA SIGNS**  
TS009E BR (Eastern) Station Signs £1.95  
TS009L BR (Midland) Station Signs £1.95  
TS009NE BR (N Eastern) Station Signs £1.95  
TS009S BR (Southern) Station Signs £1.95  
TS009SCOT BR (Scottish) Station Signs £1.95  
TS009W BR (Western) Station Signs £1.95  
TS0021 Street Names £1.95  
TS0022 BR Modern Image Station Signs £1.95  
TS0023 Cornish Riviera Boards 1 £1.95  
TS0024 Cornish Riviera Boards 2 £1.95  
TS0025 Early Station Signs £1.95  
TS0026 GWR Poster Boards £1.95  
TS0027 LMS Poster Boards £1.95  
TS0028 LNER Poster Boards £1.95  
TS0029 Southern Poster Boards £1.95  
TS0030 BR Poster Boards £1.95  
TS0040 SR (Target) Sevenoaks/Oxted £1.95  
TS0041 BR (Midland) Preston/Rugeley £1.95  
TS0042 BR (Western) Truro/Taunton £1.95  
TS0043 BR (Eastern) Hitchin/Grantham £1.95  
TS0044 BR (NE) Durham/Morpeth £1.95  
TS0045 BR (Scottish) Falkirk/Crianlarrich £1.95  
TS0046 BR (Southern) Woking/Axminster £1.95  
TS0059 Carriage Prints £1.95  
TS0060 Modern Image Road Signs £2.95  
TS0067 Pub Signs £1.95  
TS0070 Old Time Road Signs £2.95  
TS0072 Pre-Grouping Travel Posters £1.95  
TS0073 GWR Travel Posters £1.95  
TS0074 LMS Travel Posters £1.95  
TS0075 LNER Travel Posters £1.95  
TS0076 Southern Travel Posters £1.95  
TS0077 BR Travel Posters £1.95  
TS0078 BR Modern Image Travel Posters £1.95  
TS0079 Trackside Notices £1.95  
TS0081 Enamel Advert Signs 1 £1.95  
TS0082 Enamel Advert Signs 2 £1.95  
TS0083 Enamel Advert Signs 3 £1.95  
TS0084 Enamel Advert Signs 4 £1.95

TS00131 French Travel Posters £1.95  
TS00132 French Travel Posters £1.95  
TS00133 German Travel Posters £1.95  
TS00134 German Travel Posters £1.95  
TS00137 London Transport Posters £1.95  
TS00138 London Transport Posters £1.95  
TS00139 London Transport Posters £1.95

**N SCALE REPLICA SIGNS**  
TSN9E BR (Eastern) Station Signs £1.95  
TSN9L BR (Midland) Station Signs £1.95  
TSN9NE BR (N Eastern) Station Signs £1.95  
TSN9S BR (Southern) Station Signs £1.95  
TSN9SCOT BR (Scottish) Station Signs £1.95  
TSN9W BR (Western) Station Signs £1.95  
TSN21 Street Signs £1.95  
TSN22 BR Modern Image Station Signs £1.95  
TSN23 Cornish Riviera Boards 1 £1.95  
TSN24 Cornish Riviera Boards 2 £1.95  
TSN25 Early Station Signs £1.95  
TSN26 Pub Signs £1.95  
TSN27 Road Signs £1.95  
TSN29 Trackside Notices £1.95  
TSN81 Enamel Advert Signs 1 £1.95  
TSN82 Enamel Advert Signs 2 £1.95  
TSN83 Enamel Advert Signs 3 £1.95  
TSN84 Enamel Advert Signs 4 £1.95  
TSN91 GWR Travel Posters £1.95  
TSN92 LMS Travel Posters £1.95  
TSN93 LNER Travel Posters £1.95  
TSN94 SR Travel Posters £1.95  
TSN95 BR Travel Posters £1.95  
TSN96 Modern Travel Posters £1.95

**OO SCALE REPLICA SIGNS**  
TS05 Trackside Notices LNER £2.50  
TS06 Trackside Notices Midland £2.50  
TS07 Trackside Notices SR Area £2.50  
TS08 Trackside Notices GWR £2.50  
TS09E BR (Eastern) Station Signs £2.95  
TS09L BR (Midland) Station Signs £2.95  
TS09NE BR (N Eastern) Station Signs £2.95  
TS09S BR (Southern) Station Signs £2.95  
TS09SCOT BR (Scottish) Station Signs £2.95  
TS09W BR (Western) Station Signs £2.95  
TS025 Early Station Signs £2.50  
TS059 Carriage Prints £2.50  
TS096 Enamel Advert Signs £2.50  
TS097 Enamel Advert Signs £2.50  
TS098 Enamel Advert Signs £2.50  
TS099 Enamel Advert Signs £2.50  
TS0103 GWR Travel Posters Small £2.50  
TS0105 LNER Travel Posters Small £2.50  
TS0112 BR Travel Posters Large £2.50

**N GAUGE VALUE KIT SETS**  
GMKD2000 Station Set £15.25  
GMKD2001 Town Set £13.25  
GMKD2002 Suburban Set £15.25  
GMKD2003 Farm Set £17.25

**OO HO LOCOMOTIVE WHEEL CLEANER**  
GM50 OO HO Locomotive Wheel Cleaner £34.95  
GM47 N Gauge Wheel Cleaner £34.95  
GM51 Spare Pads for GM50 £17.95  
GM49 Spare Pads for GM47 £17.95

**GENERAL MODELLING TOOLS**  
GM08 Modelstrip (115mm) £6.95  
GM26 Track Rubber £2.95  
GM27 Jumbo Track Rubber £5.50  
GM60 A2 Cutting Mat £14.95  
GM601 A3 Cutting Mat £9.95  
GM602 A4 Cutting Mat £9.95  
GM603 A5 Cutting Mat £2.95  
GM604 Round Nose Pliers £6.75  
GM605 Flat Nose Pliers £6.75  
GM606 Side Cutters £6.75  
GM607 Half Round Pliers £6.75  
GM608 Bent Nose Pliers £6.75  
GM609 S-Steel Tweezers (4) £7.95  
GM610 Double Ended Pin Vice £9.75  
GM611 Sawset 1 w/ Scalpel Handle £8.45  
GM613 Trip-away Knife £5.15  
GM614 S/S Scalpel & Blades £7.95  
GM615 Plastic Scalpel & Blades £6.65  
GM616 Cutting Knife & 5 Blades £5.15  
GM617 Pick-Up Tool £2.85  
GM618 Magnifier Tweezers £2.85  
GM621 Locking Forceps Curved £2.85  
GM624 S/Wel Top Pin Vice £4.05  
GM625 Curved Tweezer R/Action £2.55  
GM626 Straight Tweezer R/Action £2.25  
GM627 Blunt End Tweezer R/Action £4.25  
GM629 Cutting Discs (10) £4.25  
GM630 Screw Top Mandrels (3) £3.05  
GM631 Slitting Discs (10) & Mandrel £5.65  
GM632 Budget Needle File Set £2.85  
GM633 Glass Fibre Pencil 4mm £2.85  
GM634 4mm G/Fibre Refills (10) £3.55  
GM635 2mm Glass Fibre Pencil £4.35  
GM636 2mm G/Fibre Refills (5) £4.35  
GM638 Cutting Brushes 0.6-2.0 £5.65  
GM640 Archimedian Drill Stock £5.65

**GENERAL ELECTRICAL ACCESSORIES**  
GM01 Low Melt Solder 70 degrees (20g) £3.95  
GM02 Solder 180 degrees (20g) £3.95  
GM03 White Metal Flux £1.65  
GM04 Brass Flux £1.65  
GM05 Non Acid Safety Flux £4.65  
GM06 Solder Wire 145 Degrees £1.65

**SWITCHES**  
GM501 Slide Switch DPDT £1.65  
GM502 Slide Switch DPDT (C/Off) £1.65  
GM503 Toggle Switch SPST £2.60  
GM504 Toggle Switch DPDT £3.10  
GM505 Mini-Toggle DPDT (C/Off) £2.70  
GM506 Mini-Toggle DPDT £2.40  
GM507 Mini-Toggle SPST £2.40  
GM508 Mini-Toggle SPDT £2.40  
GM509 Mini-Toggle SPDT (C/Off) £2.60  
GM510 Mini-Toggle for Point Motors £3.70  
GM512 Push to Break Black (5) £2.75  
GM513 Push to Make Black (5) £2.75  
GM514 Push to Make Blue (5) £2.75  
GM515 Push to Make Green (5) £2.75  
GM516 Push to Make Red (5) £2.75  
GM517 Push to Make White (5) £2.75  
GM518 Push to Make Yellow (5) £2.75  
GM519 Rotary Switch 1 Pole 12 Way £2.75  
GM520 Rotary Switch 2 Pole 6 Way £3.70  
GM521 Rotary Switch 3 Pole 4 Way £3.70  
GM522 Rotary Switch 4 Pole 3 Way £3.70  
BPGM501 Slide Switch DPDT (25) £13.50  
BPGM502 Slide Switch DPDT (C/Off) (25) £13.50

**GENERAL ELECTRICAL ACCESSORIES**  
GM12 Pair Connecting Leads (Pin/Bare Wire) £4.45  
GM14 Crimped Pin Terminals (6) £2.95  
GM15 Ring Terminals (6) £1.95  
GM16 Pair Connecting Leads (Pin/Pin) £4.35  
GM28 Crocodile Clips Red/Black Pair £1.60  
GM29 Knob for Rotary Switches & Pots £2.75  
GM40 1.5a Rectifier £4.95  
GM41 Thermal Cut-Out 1 Amp £3.95  
GM42 Thermal Cut-Out 2.5 Amp £3.95  
GM75 PS5 6-Way Din Plug/Socket £3.75  
GM77 12-Way Poly Terminal Block £2.95  
GM89 Pack of 5 Amp Fuses (5) £1.55

**LIGHTING**  
GM61 Micro LED Red (4) £5.95  
GM62 Micro LED White (4) £5.95  
GM63 Micro LED Blue (4) £5.95  
GM64 Micro LED Orange (4) £5.95  
GM69 Grain of Wheat Bulb 12v Yellow (5) £3.95  
GM70 Grain of Wheat Bulb 12v Red (5) £3.95  
GM71 Grain of Wheat Bulb 12v Clear (5) £3.75  
GM72 Grain of Wheat Bulb 12v Green (5) £3.95  
GM73 Grain of Wheat Bulb 12v Orange (5) £3.95  
BPGM69 GOW Bulb 12v Yellow (100) £48.95  
BPGM70 GOW Bulb 12v Red (100) £48.95  
BPGM71 GOW Bulb 12v Clear (100) £38.95  
BPGM72 GOW Bulb 12v Green (100) £48.95  
BPGM73 GOW Bulb 12v Orange (100) £48.95  
GM80 LED Green 3mm 12v (5) £2.05  
GM81 LED Red 3mm 12v (5) £2.05  
GM82 LED Yellow 3mm 12v (5) £2.05  
GM83 LED Green 5mm 12v (5) £1.80  
GM84 LED Red 5mm 12v (5) £1.80  
GM85 LED Yellow 5mm 12v (5) £1.80  
GM76 Resistor 1K Ohm for LEDs (10) £1.55

**MAGNETS**  
GM86 Small Magnets (10) £5.50  
GM87 Large Magnets (10) £5.95  
GM88 Large Magnets (10) £6.95  
GM98 3v Bulbs (10) & Capacitors (5) £5.75  
GM99 Pack of Needs & 5 Magnets £13.50

**GM353 Catalogue**  
120 full colour pages. A valuable resource £3.95

GM641 HSS Jibbs Drills 0.5 (6) £7.75  
GM642 HSS Jibbs Drills 0.8 (6) £5.35  
GM643 HSS Jibbs Drills 1.0 (6) £6.15  
GM644 HSS Jibbs Drills 1.2 (6) £6.95  
GM645 HSS Jibbs Drills 1.5 (6) £6.15  
GM646 HSS Jibbs Drills 1.8 (6) £3.65  
GM647 HSS Jibbs Drills 2.0 (6) £3.25  
GM648 Microbox Drills 0.5-1.6 £7.15  
GM649 Microbox HSS Twist Drill Bits 61-80 £10.95  
GM650 HSS Jibbs Drills 0.3 (5) £7.15  
GM651 HSS Jibbs Drills 0.4 (5) £5.65  
GM652 HSS Jibbs Drills 0.6 (5) £6.95  
GM653 HSS Jibbs Drills 0.7 (5) £3.05  
GM654 HSS Jibbs Drills 0.9 (5) £2.75  
GM655 Spare Blades for GM616 £7.45  
GM656 Spare Blades for GM616 £17.25  
GM660 Pick n Place Twin Pack £20.25  
GM664 Economy Sprue/Plastic Cutter £6.66  
GM666 Clip On Magnifying Eye Glass £6.50  
GM669 Pin Pusher with Depth Stop £9.95  
GM670 Deluxe Paintbrush Set £13.25  
GM693 Value Model Railway Drill £15.25  
GM695 Model Railway Screwdriver Set £17.25  
GM696 Masking Tape 6mm x 18m (2) £10.95  
GM697 Masking Tape 10mm x 18m (2) £2.50  
GM698 Masking Tape 18mm x 18m (1) £2.50

**RAZOR SAWS**  
GM672 Razor Saw Superfine £10.95  
GM673 3 in 1 Saw Set £13.95  
GM674 Razor Saw Fine £10.95  
GM675 Razor Saw Medium £10.95  
GM676 Aluminum Mill Box £14.95  
GM677 Fine Woodrill Saw £10.95  
GM678 Flush Cutting Saw £14.95  
GM679 Universal Razor Saw £11.95

**MODEL RAILWAY MAINTENANCE**  
GM619 Precision Lubricator £4.75  
GM667 Superfine Oil Pen w/Teflon Particles £5.75  
GM668 Electrical Contact Oil Pen £9.75

**TOOLS**



**GENERAL MODELLING TOOLS**

GM641 HSS Jibbs Drills 0.5 (6) £7.75  
GM642 HSS Jibbs Drills 0.8 (6) £5.35  
GM643 HSS Jibbs Drills 1.0 (6) £6.15  
GM644 HSS Jibbs Drills 1.2 (6) £6.95  
GM645 HSS Jibbs Drills 1.5 (6) £6.15  
GM646 HSS Jibbs Drills 1.8 (6) £3.65  
GM647 HSS Jibbs Drills 2.0 (6) £3.25  
GM648 Microbox Drills 0.5-1.6 £7.15  
GM649 Microbox HSS Twist Drill Bits 61-80 £10.95  
GM650 HSS Jibbs Drills 0.3 (5) £7.15  
GM651 HSS Jibbs Drills 0.4 (5) £5.65  
GM652 HSS Jibbs Drills 0.6 (5) £6.95  
GM653 HSS Jibbs Drills 0.7 (5) £3.05  
GM654 HSS Jibbs Drills 0.9 (5) £2.75  
GM655 Spare Blades for GM616 £7.45  
GM656 Spare Blades for GM616 £17.25  
GM660 Pick n Place Twin Pack £20.25  
GM664 Economy Sprue/Plastic Cutter £6.66  
GM666 Clip On Magnifying Eye Glass £6.50  
GM669 Pin Pusher with Depth Stop £9.95  
GM670 Deluxe Paintbrush Set £13.25  
GM693 Value Model Railway Drill £15.25  
GM695 Model Railway Screwdriver Set £17.25  
GM696 Masking Tape 6mm x 18m (2) £10.95  
GM697 Masking Tape 10mm x 18m (2) £2.50  
GM698 Masking Tape 18mm x 18m (1) £2.50

**RAZOR SAWS**  
GM672 Razor Saw Superfine £10.95  
GM673 3 in 1 Saw Set £13.95  
GM674 Razor Saw Fine £10.95  
GM675 Razor Saw Medium £10.95  
GM676 Aluminum Mill Box £14.95  
GM677 Fine Woodrill Saw £10.95  
GM678 Flush Cutting Saw £14.95  
GM679 Universal Razor Saw £11.95

**MODEL RAILWAY MAINTENANCE**  
GM619 Precision Lubricator £4.75  
GM667 Superfine Oil Pen w/Teflon Particles £5.75  
GM668 Electrical Contact Oil Pen £9.75

**TOOLS**



**GENERAL MODELLING TOOLS**

BPGM503 Toggle Switch SPST (25) £35.95  
BPGM504 Toggle Switch DPDT (25) £39.95  
BPGM505 Mini-Toggle DPDT (C/Off) (25) £45.95  
BPGM506 Mini-Toggle DPDT (25) £41.95  
BPGM507 Mini-Toggle SPST (25) £35.95  
BPGM508 Mini-Toggle SPDT (25) £35.95  
BPGM509 Mini-Toggle SPDT (C/Off) (25) £38.95  
BPGM510 Mini-Toggle for Point Motors (25) £44.95  
BPGM513 Push to Make Black (25) £9.50  
BPGM514 Push to Make Blue (25) £9.50  
BPGM515 Push to Make Green (25) £9.50  
BPGM516 Push to Make Red (25) £9.50  
BPGM517 Push to Make White (25) £9.50  
BPGM518 Push to Make Yellow (25) £9.50

**WIRE**  
GM118K Wire Black 7 x 0.2mm (10m) £2.15  
GM118L Wire Blue 7 x 0.2mm (10m) £2.15  
GM118N Wire Brown 7 x 0.2mm (10m) £2.15  
GM119G Wire Green 7 x 0.2mm (10m) £2.15  
GM119R Wire Grey 7 x 0.2mm (10m) £2.15  
GM110 Wire Orange 7 x 0.2mm (10m) £2.15  
GM11P Wire Pink 7 x 0.2mm (10m) £2.15  
GM11W Wire White 7 x 0.2mm (10m) £2.15  
GM11Y Wire Yellow 7 x 0.2mm (10m) £2.15  
BPGM11BK Black Wire 7 x 0.2mm (100m) £7.95  
BPGM11BL Blue Wire 7 x 0.2mm (100m) £7.95  
BPGM11BN Brown Wire 7 x 0.2mm (100m) £7.95  
BPGM11GN Grey Wire 7 x 0.2mm (100m) £7.95  
BPGM11OR Orange Wire 7 x 0.2mm (100m) £7.95  
BPGM11P Pink Wire 7 x 0.2mm (100m) £7.95  
BPGM11R Red Wire 7 x 0.2mm (100m) £7.95  
BPGM11W White Wire 7 x 0.2mm (100m) £7.95  
BPGM11Y Yellow Wire 7 x 0.2mm (100m) £7.95

**GENERAL ELECTRICAL ACCESSORIES**  
GM12 Pair Connecting Leads (Pin/Bare Wire) £4.45  
GM14 Crimped Pin Terminals (6) £2.95  
GM15 Ring Terminals (6) £1.95  
GM16 Pair Connecting Leads (Pin/Pin) £4.35  
GM28 Crocodile Clips Red/Black Pair £1.60  
GM29 Knob for Rotary Switches & Pots £2.75  
GM40 1.5a Rectifier £4.95  
GM41 Thermal Cut-Out 1 Amp £3.95  
GM42 Thermal Cut-Out 2.5 Amp £3.95  
GM75 PS5 6-Way Din Plug/Socket £3.75  
GM77 12-Way Poly Terminal Block £2.95  
GM89 Pack of 5 Amp Fuses (5) £1.55

**LIGHTING**  
GM61 Micro LED Red (4) £5.95  
GM62 Micro LED White (4) £5.95  
GM63 Micro LED Blue (4) £5.95  
GM64 Micro LED Orange (4) £5.95  
GM69 Grain of Wheat Bulb 12v Yellow (5) £3.95  
GM70 Grain of Wheat Bulb 12v Red (5) £3.95  
GM71 Grain of Wheat Bulb 12v Clear (5) £3.75  
GM72 Grain of Wheat Bulb 12v Green (5) £3.95  
GM73 Grain of Wheat Bulb 12v Orange (5) £3.95  
BPGM69 GOW Bulb 12v Yellow (100) £48.95  
BPGM70 GOW Bulb 12v Red (100) £48.95  
BPGM71 GOW Bulb 12v Clear (100) £38.95  
BPGM72 GOW Bulb 12v Green (100) £48.95  
BPGM73 GOW Bulb 12v Orange (100) £48.95  
GM80 LED Green 3mm 12v (5) £2.05  
GM81 LED Red 3mm 12v (5) £2.05  
GM82 LED Yellow 3mm 12v (5) £2.05  
GM83 LED Green 5mm 12v (5) £1.80  
GM84 LED Red 5mm 12v (5) £1.80  
GM85 LED Yellow 5mm 12v (5) £1.80  
GM76 Resistor 1K Ohm for LEDs (10) £1.55

**MAGNETS**  
GM86 Small Magnets (10) £5.50  
GM87 Large Magnets (10) £5.95  
GM88 Large Magnets (10) £6.95  
GM98 3v Bulbs (10) & Capacitors (5) £5.75  
GM99 Pack of Needs & 5 Magnets £13.50

**GM353 Catalogue**  
120 full colour pages. A valuable resource £3.95

**GENERAL MODELLING TOOLS**

RANGES STOCKED

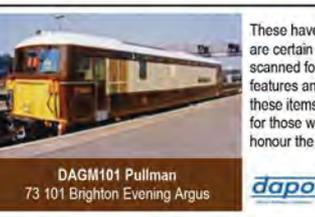
- Airfix
- Antex
- Arnold
- Atlas
- Bachmann
- Berko
- Busch
- Capital Transport
- Carrera
- Cartrix
- Classix
- Cooper Craft
- Corgi
- Cornerstone
- Dapol
- DCCconcepts
- Deluxe Materials
- DM Toys
- Dornaplas
- EFE
- Electrotren
- Faller
- Fleischmann
- FlySlot
- Gaugemaster
- Graham Farish
- Harburn Hamlet
- Heljan
- HMRs Transfers
- Hobbytrain
- Hornby
- Humbrol
- Ian Allen
- Jagerndorfer
- Jordan
- Joeuff
- Kato
- Kestrel Designs
- Kibri
- Knightwing
- LGB
- Lifelike
- Lightcraft
- Marklin
- Mehano
- Metcalfe
- Middleton Press
- MINIS
- Minitrains
- Modelcraft
- Model Scene
- MRC
- Ninco
- Noch
- NSR
- Oxford Diecast
- Parkside Dundas
- Peco
- Piko
- Plastruc
- Pola
- Preiser
- Racer
- Railmatch Set
- Revell
- Rivarossi
- Roco
- Rokuhan
- Rotacraft
- Scalextric
- Scenix
- Seep
- Seuthe
- Sideways
- Slaters
- Spraycraft
- Springside
- SRC
- Superquick
- Tiny Signs
- Tracksetta
- Train Tech
- TrainSave
- Trix
- Viessmann
- Vollmer
- W & T Manufacturing
- Walthers
- Wiking
- Wills
- Xuron

GAUGEMASTER



Limited Edition News

All N Gauge Class 73s are £69.95 and limited to 150pcs



CONTACT US FOR A FREE PRICE LIST  
HUGE DEPTH OF STOCK, VISIT OUR WEBSITE FOR LIVE STOCK INFORMATION

# Devon Junction

Glorious Devon has inspired generations of modellers and **LES PARRY** is no exception. However, he chose to emulate Exeter St David's in the basement of his Spanish home.

**PHOTOGRAPHY, LES PARRY.**

**I**MAGINE an excited 12 year old schoolboy in 1956 on the midnight train from Manchester to Torquay. Never before had holidays been taken outside Lancashire and all my trainspotting experience was based around the North West. So far as I was concerned, anything further south than Crewe was another world.

It wasn't until our train reached Bristol and, in the morning light, that I saw the engine that had replaced our Midland Region locomotive at Shrewsbury. 5028 *Llantilio Castle* was a shining green, copper and brass beauty and I was well and truly hooked. At Exeter St David's we stopped and to my astonishment as I gazed out

of the compartment window, Southern Region 'West Country' 34037 *Clovelly* came to a halt at the adjacent platform.

It was magical and remains one of my most abiding memories and so when I decided to build Devon Junction I felt I would like to try and capture some of the charm of that wonderful morning.

## THE LAYOUT

I am fortunate in that I have a large available space for modelling. Under my house in Spain is a 26ft x 8ft room which was used as a storage area. It was actually my wife who suggested that I use it for building my layout and of course I wasn't going to refuse but I was determined to build something

no matter how small a space I had.

To me that is one of the amazing things about railway modelling - you can tailor your requirements to the space you have available. I also really admire those modellers who can replicate actual situations accurately down to the very last detail, but I tend towards those layouts where the modeller has adapted the available space and then used their imagination to create their interpretation of what is in their mind. I suppose it's like the difference between a technically perfect painting and that of an impressionist.

So what could I get into this space? At first glance it seems quite big but as I wanted to base my layout on Exeter St



## STATISTICS

<b>Owner:</b>	Les Parry
<b>Scale:</b>	'OO'
<b>Length:</b>	26ft
<b>Width:</b>	8ft
<b>Track:</b>	Peco code 100
<b>Control:</b>	DCC, Lenz
<b>Period:</b>	BR Western Region, 1960s

David's it soon became obvious that a lot of adjustment was necessary. For instance a scaled version would require approximately two thirds of the length for the platforms alone and the remainder at each end was nowhere near big enough to get in the approach roads and curves. So the platforms and station buildings were scaled down significantly and from there on I have I have used a lot of modeller's licence.

The bigger problem however was the width of the room. I was soon to learn that when planning a layout, we should remember that the room size is the *maximum* and everything must be built on the inside of that measurement. After taking account of any background scenery and



double tracks, the near inside curves can get quite tight. I've been able to keep the tightest no less than a 24in (610mm) radius, but only just, which means I can run nine coach trains quite comfortably. The room width also determined how wide the baseboards could be on either side of the room which again meant substantial compromise.

Some of the planning was done for me >>

 Above: A Hawksworth 'County' has just arrived at the busy Western Region depot where it will join 'Halls', 'Castles', 'Panniers' and more.

 Below: In a classic Western Region scene a Collett 'Castle' 4-6-0 restarts its train from Exeter St David's.



courtesy of Great Western Railway (GWR) and British Railways diagrams of the station area upon which the track is very loosely based, and I supplemented this with pencil drawings on a roll of lining paper using Peco point templates where necessary.

I decided that the baseboards would be anchored to the walls with supporting legs at the front and because of the extremes in temperature we experience, I opted for 9mm marine plywood tops on the 2in x 1in frame which itself would be topped by a layer of 4mm thick cork. This has given me a very solid structure but does mean that should we ever move house, dismantling for transportation will not be an option.

## TRACK AND CONTROL

My friends will tell you that I am no electrician and when I began building the layout seven years ago I was very tempted by Digital Command Control and the 'two wires' concept for my Peco code 100 track.

I had once built a model railway as a lad but confess the electrics baffled me and it was my father who got his brain around sections, blocks, isolated circuits and so on rather than me. The idea of having two trains independently controlled on one track also appealed to me. Thus I opted for a Lenz system and by following advice from people I had met on a modelling forum and the internet, I soon got the hang of it.

The system still serves me well and I've never felt the need to change it. By chipping locomotives as I buy them the expense is spread. Fortunately I had no stock to convert and although I now have over 40 locomotives they all have decoders fitted.

On the wall opposite the station (the return wall) I have built a large fiddle yard which has crossovers at either end so that I can use rolling stock facing the 'wrong' direction and my aim is to replicate a page from a favourite book entitled *Summer Saturdays in the West*. The authors provide a one hour snapshot of arrivals and departures at Exeter St David's on Saturday July 27 1957 when 26 passenger trains were reported. I'll need help with that but it should be fun!

Beneath the baseboards I have a positive and a negative bus around the whole layout



**Above:** Heading the 'Cornish Riviera Express' a Collett 'King' 4-6-0 thunders through Exeter St David's non-stop while a Bulleid 'West Country' and a 'Small Prairie' pause at the platforms either side.



**Left:** The station buildings have been built from scratch using a combination of plasticard and Scalescenes brick papers. A Maunsell 'N' 2-6-0 stands at the head of a train for the North Cornwall lines as a 'Small Prairie' arrives with a stopping train from the Western Region.



and feeder wires to the track every metre. All the points in the station area are live frog worked by SEEP motors connected to one of two control panels whilst those in the fiddle yard are dead frog worked by hand. I tend to buy a few point motors at a time until I have enough to blitz a section in one go. I like operating points from a control panel so I have decided to keep it simple and away from DCC.

### SCENERY AND BUILDINGS

I was keen to have a 1-in-37 curved incline climbing from the station to a supposed Exeter Central. Like everything else I had to compromise and, whilst it rises at 1-in-37, it has to curve in the opposite direction

from the real thing. After leaving the station at either end therefore, any similarity to Exeter is abandoned. This had advantages though because I could give free rein to my imagination for the small areas available for scenic modelling. At one end of the layout the climb to Exeter Central runs alongside a road and I used the excellent Scalescenes low relief models as a backdrop to the road, saving an awful lot of space whilst adding interest. Behind this I made up a collage of images which themselves were backed by the Gaugemaster photographic backscenes.

At the other end of the station, I wanted to disguise the sharp turn into the station approach so I devised a hill area which I felt would be in keeping with

the undulating countryside of Devon. It was important however that this hillside could be dismantled to allow access to any de-railed rolling stock so I built it in lower and upper halves. The join between the two halves is disguised by scenic shrubs and ravines and is only noticeable from close inspection. I am however able to remove the top half for access.

Atop this hill is a small village scene which I have called Quay Village. This is because it contains fishermen's cottages and sits just above the yet to be built quayside. Apart from one Scalescenes pub, all the other buildings are scratchbuilt either where I've drawn inspiration from John Ahern's wonderful book *Miniature* »



**5** Left:  
Leading  
a heavy mixed  
goods Churchward  
'28XX' 2-8-0 2809  
passes St David's  
Quay diesel depot  
on the approach to  
the station.

**6** Below:  
The  
signal is 'off' for  
the centre road as  
a 'Castle' and BR  
'4MT' 4-6-0 wait  
patiently at Exeter  
St David's.

*Building Construction* or from resin cast in moulds which I learned how to make on my modeller's forum.

For grass I use a combination of static grass and 5mm strips of hanging basket liner, glued on their edges and then ripped off when dry. Trees are merely local twigs to which foliage fibre has been glued with PVA and, after a quick dose of hairspray, sprinkled with Green Scene scatter. I think it's important to pay attention to your chosen season and geology; hence I tried to ensure the soil was the right colour amongst many other details.

I have tried to recreate as much of the station as possible and I knew I would have to scratchbuild it all relying a lot on research. The internet was a treasure trove of information and I am fortunate in that much of the main structure is as it was in my chosen period. My wife and I take our holidays in the UK so I have been able to visit the station on several occasions and take photographs.

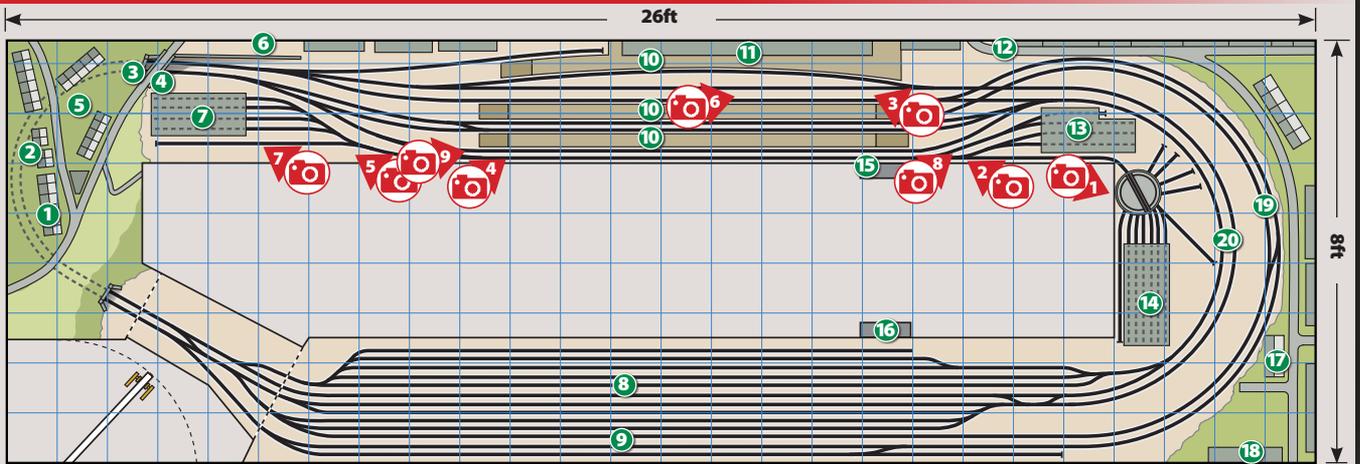
Platforms are built like miniature baseboards with a wooden frame and spars topped with thin plywood. Onto this is stuck Slater's embossed paving sheets suitably weathered. The platforms are glued very firmly to the layout baseboards to prevent warping. After consulting photographs, the station had fairly modern looking lights on the open platforms and those offered by Kytes Lights were the nearest I could get.

The station buildings are all made from styrene but I could not source embossed plastic similar to the actual station's clean cut stone blocks. Scalescenes dressed stone equated to what I wanted so I used this on top of the main building walls. Mistakenly I forgot to varnish it and so after a few years the print is starting to disappear – a salutary lesson. When it came to other station buildings I felt sufficiently confident to build them from styrene and scribe the stonework onto the plastic.

Canopies are again scratchbuilt out of >>



# DEVON JUNCTION TRACK DIAGRAM (Not to scale)



## KEY

- |                |                |                      |                     |                  |                  |                |
|----------------|----------------|----------------------|---------------------|------------------|------------------|----------------|
| 1 Cottages     | 4 Bridge       | 7 St Davids Quay MPD | 10 Platform         | 13 SR Depot      | 16 Control panel | 19 Upper level |
| 2 Shop         | 5 Quay village | 8 Up main            | 11 Station building | 14 WR Depot      | 17 Pub           | 20 Lower level |
| 3 Tunnel mouth | 6 Wall         | 9 Down main          | 12 Low relief shops | 15 Station panel | 18 Cinema        |                |





**07** Left: St David's Quay MPD has been built to accommodate Les' growing collection of diesel hydraulics. A pair of 'Warships', a 'Western' and a 'Hymek' all stand on shed.

**08** Right: A separate depot has been created to accommodate the Southern Region fleet for the layout. Here a Beattie '0298' 2-4-0WT, 'N' 2-6-0, 'West Country' 4-6-2, 'T9' 4-4-0, 'N15' 4-6-0 and BR '4MT' 4-6-0 stand on shed.



**09** Drummond 'T9' 4-4-0 30310 has just piloted rebuilt 'West Country' 34003 Plymouth from Exeter Central on an express from London.



styrene and micro-strip but the valances are ready-made. The problem was that I needed no less than 26ft of them. Etched brass proved too expensive but I found exactly what I wanted from TrueTextures. Made of card they are a little delicate but with patience they have turned out exactly as I had hoped.

Bit by bit I began to assemble the shape of a cut down Exeter St David's. At a friend's suggestion I installed lights and here I learned a big lesson. I would always now recommend modellers to install at least the lighting and wiring at the time of building because it is so much harder to do it afterwards.

It seems there is a variety of opinion as to whether one should use the original station names for our models. In my case my whole layout is called Devon Junction but I was not prepared to compromise on the station name. To call the station anything other than Exeter St David's would negate what I was trying to achieve so I hope this offends no-one.

## ROLLING STOCK

Locomotives are all ready-to-run except one, a Collett 0-6-0, following a first attempt at kit building. They are as they would be seen in the late 1950s through to the mid 1960s and where possible have been suitably weathered and renamed. I've tried to keep to appropriate rolling stock but I'm stretching it a bit now. Recently I couldn't resist a model of pioneer diesel 10001 by trying to justify the fact that it and 10000 worked the Southern Region for a few years and could conceivably have got to Exeter St David's but I really am struggling with justification for the 'Deltic' which I gave myself on a recent birthday!

To service the growing fleet of locomotives I needed a locomotive depot but where could I put it? There was no room on the existing baseboards so I opted to add another section between the two long walls. This in itself created more problems. First it made the distance from where I stand

to the back of the baseboard unreachable. Secondly, the depot would have to be at right angles to the track. I can solve the first but only by standing on a chair and I solved the second by inserting the turntable so that the locomotives enter it and make a right hand turn before they leave. This is my Western Region shed and I have since built a smaller one for Southern Region engines by using resin formed in moulds and which I think looks far better.

My chosen era saw the dawning of the diesel age and despite being a steam enthusiast I did like these new forms of motive power - especially the diesel-hydraulics. Various birthdays and anniversaries saw the arrival of Bachmann 'Warships' plus Heljan 'Westerns' and 'Hymeks'. To accommodate the new fleet I had to build a motive power depot, which I call St David's Quay MPD, and squeezed it into the Eastern end of the layout.

## THE FUTURE

What next? Well I certainly need to plant more signals and build the two main signalboxes but I also want to build a fictitious quayside. In addition there is a long two track main line passing through the centre of the fiddle yard which is where I get down to eye-level and watch my full length trains at speed. I've read nothing yet that says fiddle yards must be Spartan affairs so I'll turn them into the carriage sidings that always seemed to be part of the railway scene and watch my expresses pass them by.

I've drawn inspiration from many modellers, especially my friends Alan Schofield and Jeff Chick who are members of our small forum, the Model Rail Group ([www.modelrailgroup.com](http://www.modelrailgroup.com)). In addition, the paintings of Philip Hawkins have had a considerable influence on me - he seems to capture the atmosphere of Britain's railways of that era so well. If ever I had the means, I would commission him to paint a picture of a 12 year old boy staring wide eyed through a compartment window at Exeter St David's. Until then I'll carry on modelling. [JES](#)

# METCALFE

READY CUT CARD KITS

## MAIL ORDERS:

Metcalfe Models, Bell Busk  
Skipton, North Yorkshire, BD23 4DU

## PHONE ORDERS:

# 01729 830072

## POSTAGE

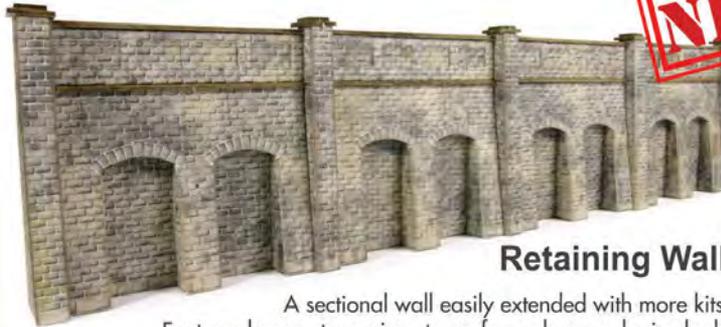
up to £19.99 - £2.50  
£20 and over - £4.50  
**We are now only taking UK orders.**



Three new style kits made to go together to create all kinds of split level scene without the need for lots of custom building.



## RAILWAY



## Retaining Wall

A sectional wall easily extended with more kits. Features laser cut capping stones for a clean and crisp look.  
N Codes: PN144 Stone - PN145 Brick £8.99  
00 Codes PO244 Brick - PO245 Stone £11.99

## RAILWAY



## Railway Bridge

Designed to be used with the retaining walls. Can be made double or single track over the top.  
N Codes: PN146 Brick - PN147 Stone £11.99  
00 Codes PO246 Brick - PO247 Stone £13.99



## Tapered Retaining Walls

A pair of sloping walls designed to stand either end of retaining walls. Can also be built to make a ramped roadway up to the bridge height.  
N Codes: PN148 Brick - PN149 Stone £8.99  
00 Codes PO248 Brick - PO249 Stone £12.99

Note: Two tapered walls kits are needed to make a ramp for either side of the bridge as shown here.

**ALL THREE KITS AVAILABLE IN BRICK OR STONE STYLES**



## TOWN & COUNTRY



## 00/H0 Parish Church

One of our nicest designs, the kit includes intricate laser cut windows and other fine cut components.

PO226 - £15.99

N scale version also available but doesn't contain laser cut components and is a slightly different design. PN126 - £8.25

## TOOLS

### Ultra Fine Glue Applicators

Ultra fine applicators for precise flow of liquid glue, an essential tool when building our finer scale kits. Pack of 3 (glue not included). MT907 / £3.50



Follow us



## MIDI KIT



## Wooden Pavilion

A sports or cricket clubhouse. Ideal for the edge of a village green.  
00 / PO410 / £6.50

## MINI KIT



## Picnic Tables

Pack contains three table with umbrellas. Note: Umbrella poles not included. Made from paper clips. Only in 00.  
00 / PO510 / £5.50

## RAILWAY

## Footbridge

A covered bridge detailed inside and out. Includes extra lower steps for non platform height.

00 / PO236 / £10.35  
N / PN136 / £9.50



Span 170mm.



Easily add on extra kits to

Visiting Skipton? You will find the full range of Metcalfe kits at Craven Model Centre, Mount Pleasant,

# METCALFE

READY CUT CARD KITS

[www.metcalfemodels.com](http://www.metcalfemodels.com)



find us on  
**Facebook**

## INDUSTRIAL PERFECTION...

Three industrial buildings that can be arranged in different ways to create superb mills and factories...

INDUSTRIAL

### 00/ H0 Boilerhouse & Factory Entrance

A grand entrance for your factory designed to stand with the PO283 and PO282 kits. The boilerhouse with its large chimney creates a spectacular scene.

PO284 - £13.99



### STOP PRESS!

*N Scale versions of these industrial buildings to be released very soon...*

TOWN & COUNTRY

## 00 LOW RELIEF HIGH STREET BUILDINGS

PO205

PO206

PO271



*Great for backdrops and limited spaces.*

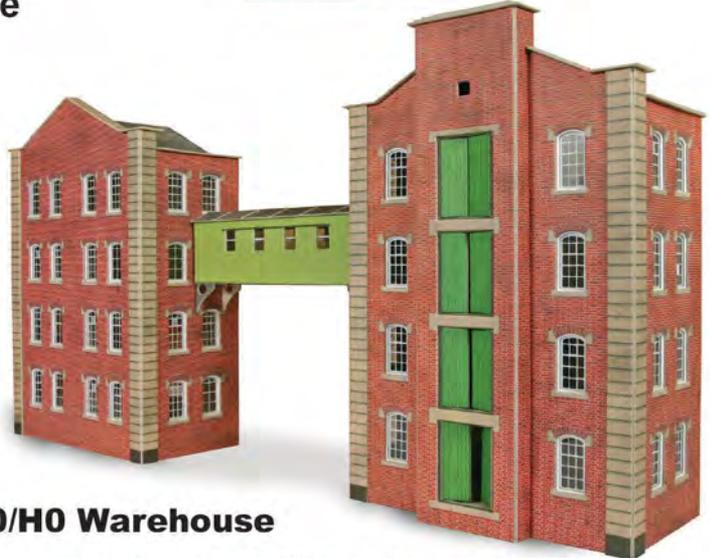
*Works well with our retaining walls as shown here.*

**Pub & Shops:**  
PO205 - £9.20

**Cinema:**  
PO206 - £9.20

**Bank & Shop:**  
PO271 - £11.50

INDUSTRIAL



### 00/H0 Warehouse

A very sturdy industrial building, that can be built as low relief or stand alone.

PO282 - £13.99

INDUSTRIAL

### 00/H0 Small Factory

A single storey factory with a northlight roof and loading bay. Designed to stand alongside other kits in the industrial range.

PO283 - £13.99



**ALMOST  
FRESH**

# 'K1'

**TIM SHACKLETON** tackles Hornby's recently released new model of the Peppercorn 'K1' 2-6-0 to give it an almost but not quite ex-works treatment.

**T**HERE ARE MANY WAYS TO weather locomotives and this flexibility enables you to represent them in all kinds of external conditions – from ex-works to absolutely filthy and all points in between. It disappoints me to see so many layouts still where all the weathering is at pretty much the same level, which in practical terms means either over the top or barely noticeable.

By the same token there is no such thing as 'typical' weathering because the outward appearance of any locomotive will be unique. Each weathering project I undertake is thought out afresh – I don't have a default setting.

With two brand new Hornby 'K1' 2-6-0s at our disposal, *Hornby Magazine* Editor Mike Wild and I decided to weather them independently of each other, using our own preferred methods.

I wanted to show a locomotive that had not long visited Doncaster Plant and was now back at work. Having had a full repaint it would still be clean but showing obvious signs of being gainfully employed once more.

I had in mind the kit-built 'K1/1' 61997 *MacCailin Mor* that I'd done previously and I wanted to try and achieve something similar. I'd entirely forgotten how I'd weathered *MacCailin Mor* and rather than go back to what I had done before I simply got to work using the techniques and materials that seemed most appropriate – in

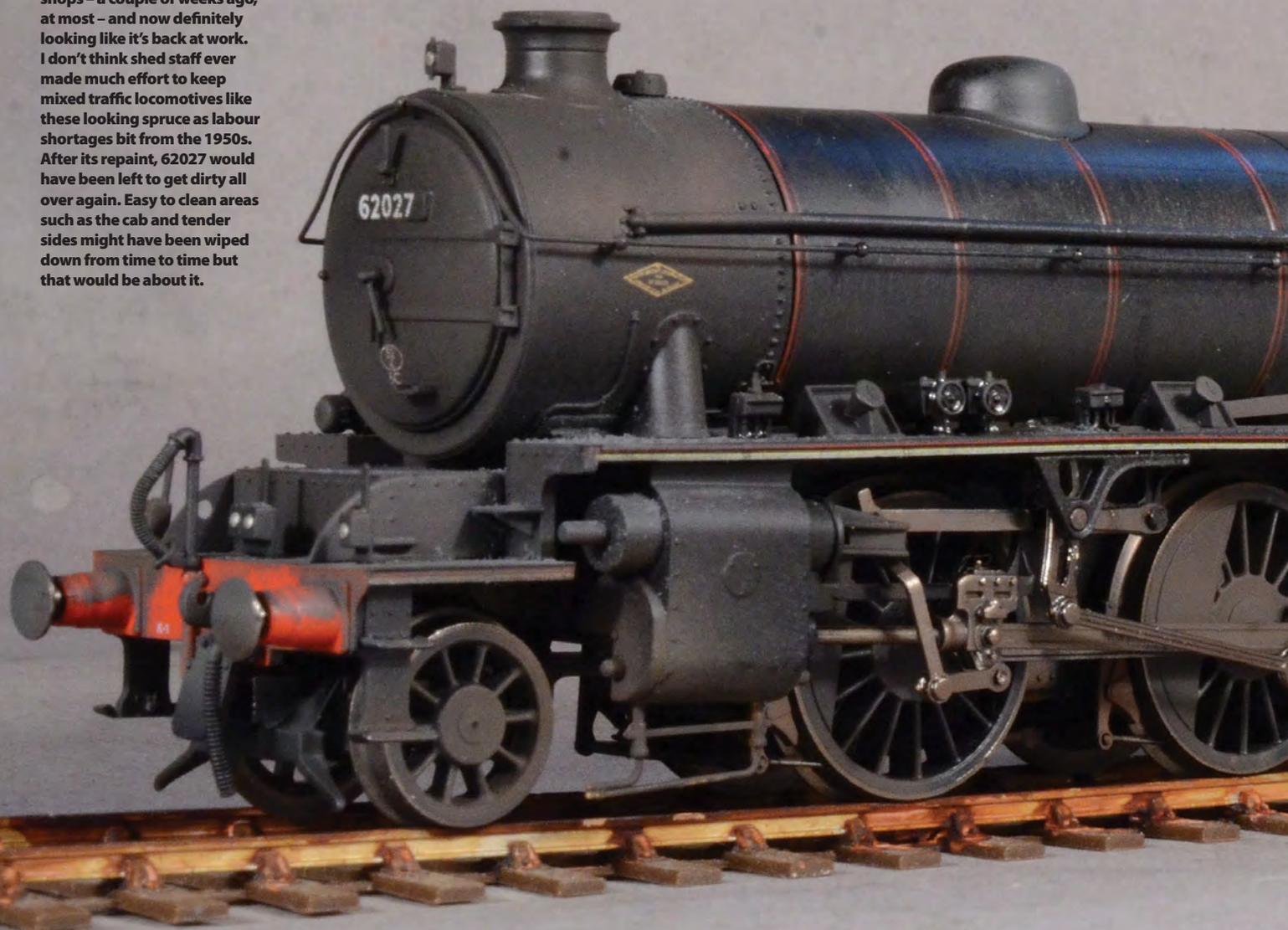
other words, the ones I fancied using.

Once the 'K1' was finished, I revisited the earlier piece and was pleasantly surprised to see how well the two models compared – and how totally different were the methods I'd used.

Completed barely five years ago, *MacCailin Mor* was virtually all airbrush, using just two enamel colours – Humbrol Matt Leather (No 62) and Metalcote Gunmetal (27004) – that I hardly ever use nowadays, on account of the formulation (and shade) having changed almost out of all recognition.

I'm no longer comfortable with these paints, so I do things differently now – which all goes to show that there are lots of different ways to peel an apple! [▶▶▶](#)

**A 'K1' fairly recently out of shops – a couple of weeks ago, at most – and now definitely looking like it's back at work. I don't think shed staff ever made much effort to keep mixed traffic locomotives like these looking spruce as labour shortages bit from the 1950s. After its repaint, 62027 would have been left to get dirty all over again. Easy to clean areas such as the cab and tender sides might have been wiped down from time to time but that would be about it.**



**STEP BY STEP WEATHERING A HORNBY 'K1' 2-6-0**

**1** The 'K1s' were unassuming, demure looking engines and the Hornby model captures their essential blandness very well. A fully lined out model always looks so much better when it's scuffed up a bit and that's what we'll do here.



**2** The first stage is to give the boiler a good working-over with a browny-grey enamel wash. For years my formula has been a 60:40 mix of Humbrol Matt Leather (No 62) and any old Matt Black but since the former colour became much greener I've had to try other approaches. AK-Interactive's Engine Grime (AK082) is pretty much the same colour I used to mix, so that's what I use these days. If you prefer acrylics, LifeColor's dependable pair of Frame Dirt (UA719) and Burned Black (UA736) will yield a comparable result.



**3** Once the wash has gone on I let it harden for a few minutes and then take it off again, using a half-inch flat brush – I like the Daler-Rowney Aquafine range for their quality and durability – dipped in clean white spirit. Work with downward strokes to suggest rainwater, priming and so on running down the boiler. You will never get all the paint off, which is precisely the point. It accumulates in out of the way places and yields a most pleasing effect.

**USEFUL LINKS**

■ Lifecolor	<a href="http://www.airbrushes.com">www.airbrushes.com</a>
■ AK-Interactive	<a href="http://www.ak-interactive.com">www.ak-interactive.com</a>
■ Revell	<a href="http://www.revell.com">www.revell.com</a>
■ Wilder	<a href="http://www.airbrushes.com">www.airbrushes.com</a>



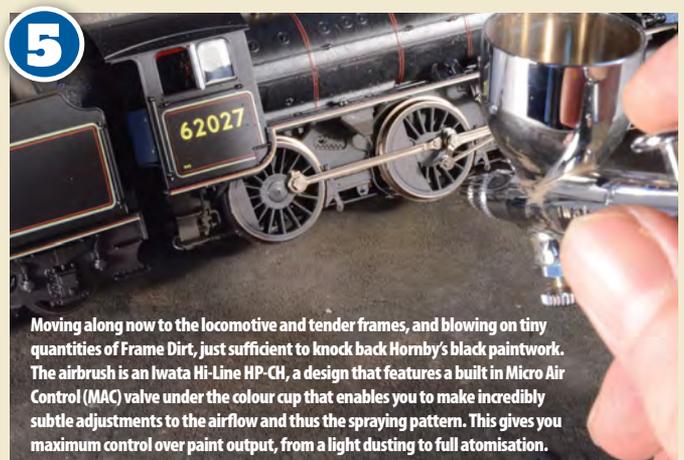
**PLEASE TURN FOR STEPS 4-14**

## STEP BY STEP WEATHERING A HORNBY 'K1' 2-6-0



4

I've now loaded my airbrush with Frame Dirt acrylic paint and now I'm going round the model filling in those areas that would be most obviously discoloured. Here I'm tackling the rear of the tender around the water filler and coal bunker. This area is never, ever clean and when you study prototype photographs shows an interesting array of weathering effects that can be built up carefully.



5

Moving along now to the locomotive and tender frames, and blowing on tiny quantities of Frame Dirt, just sufficient to knock back Hornby's black paintwork. The airbrush is an Iwata Hi-Line HP-CH, a design that features a built in Micro Air Control (MAC) valve under the colour cup that enables you to make incredibly subtle adjustments to the airflow and thus the spraying pattern. This gives you maximum control over paint output, from a light dusting to full atomisation.



6

Using the Hi-Line I've added further weathering to the smokebox, running plate and cab roof. I've mostly used the warm toned Burned Black but in some areas I've gone for the more grey tinged Worn Black (UA734) as well. You will find many shades of black on a steam locomotive but very little that could be described as a straight gloss or matt black!



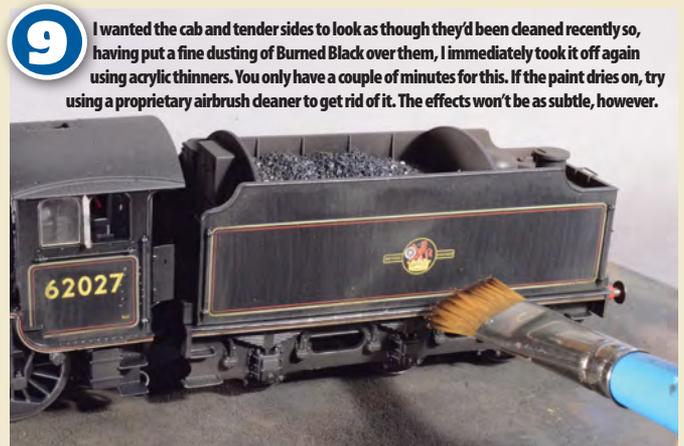
7

I wanted to put quite a heavy coat of weathering on the running plate so I shielded the boiler with a business card to prevent any overspray reaching it and obscuring the fine streaks I'd put on earlier.



8

Weathering around the cab doors goes on freehand. The Hi-Line has a fine 0.3mm needle/nozzle assembly so it's capable of work of great delicacy. Before each application I adjust the MAC valve to get the paint delivery exactly as I want it. In this instance I'm using the acrylic paints virtually neat with just a couple of drops of LifeColor thinner.



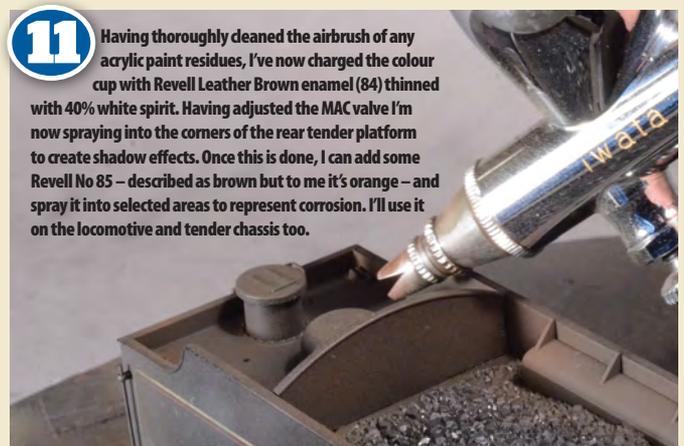
9

I wanted the cab and tender sides to look as though they'd been cleaned recently so, having put a fine dusting of Burned Black over them, I immediately took it off again using acrylic thinners. You only have a couple of minutes for this. If the paint dries on, try using a proprietary airbrush cleaner to get rid of it. The effects won't be as subtle, however.



10

Further shades of black are airbrushed freehand on to the lower part of the boiler to represent the build-up of oily dirt that you always find in this area. The combination of the 0.3mm nozzle and the MAC valve gives me total control over paint delivery, enabling me to target particular parts of the locomotive with great precision.



11

Having thoroughly cleaned the airbrush of any acrylic paint residues, I've now charged the colour cup with Revell Leather Brown enamel thinned with 40% white spirit. Having adjusted the MAC valve I'm now spraying into the corners of the rear tender platform to create shadow effects. Once this is done, I can add some Revell No 85 – described as brown but to me it's orange – and spray it into selected areas to represent corrosion. I'll use it on the locomotive and tender chassis too.

# Peppercorn 'K1' version 1.1

There are any number of ways in which a locomotive might be weathered and Mike's 'K1' sets out to represent a more work weary engine with heavier soot deposits across the top of the boiler and across the tender sides. The lining is still evident on the tender and cabside while the smokebox is tinged with priming stains. Almost all of these effects have been achieved with Lifecolor acrylics through either airbrush and hand application. The motion and underframe were weathered with Frame Dirt (UA719) first followed by Dirty Grease Effect (UA262) on the wheel centres and Grease Effect (UA263) on the motion. The smokebox was weathered in two stages using Burned Black (UA736) followed by a dusting of Worn Black (UA734). The boiler barrel, cab sides and tender were weathered with a wash of Burned Black and Dirty Black (UA731) applied by brush followed by airbrushing of Burned Black over the top.



**12** The process of adding tints of colour based around black and orange is continued all around the locomotive. All the time I am referring to good, sharp colour photographs to see what happens where – tinges of rust on the cab steps, brake block dust on the tender frames, random marks and abrasions. I've rather overdone things on the cabsides but, having used enamels on top of fast drying acrylics, I can easily remove the surplus with white spirit. I don't use a barrier between coats.



After acrylic and enamel paint, a third medium now comes into play – weathering powder. These are two splendid products from the Adam Wilder Gunpowder range – Old Grease (GP11) and Tyre Grey (GP23). You only need a touch on areas such as the running plate, smokebox and front platform. I use my Daler-Rowney System 3 brushes exclusively for weathering powders – with their stiff bristles and filbert shaped tips they are the perfect tool for this work.

**14** Detail weathering can go on almost indefinitely – oil around the lubricators, pools of water on the back of the tender, poor-quality coal in the bunker, ingrained dirt on the buffer beam, corroding oxide particles on the brake blocks and hangers. After a while, though, it pays to take a break and at this point you usually realise that enough is enough... you can go too far and create an unrealistic effect.



## TIP

Using a combination of different materials and applications can make for a much more realistic model.

### THE DETAILS

PRODUCT	MANUFACTURER	CAT NO.
Engine Grime	AK-Interactive	AK082
Frame Dirt	Lifecolor	UA719
Burned Black	Lifecolor	UA736
Worn Black	Lifecolor	UA734
Leather Brown	Revell	84
Brown	Revell	85
Old Grease powder	Wilder	GP11
Tyre Grey powder	Wilder	GP23

# STATIC GRASS TUFTS

Making your own static grass tufts can be a rewarding detailing exercise and offers something different to mass produced items.

**NIGEL BURKIN** shows you how simple it is to make and use grass tufts.

**S**TATIC GRASS has changed the way modellers look at scenery and it has replaced ground foam as the ground cover material of choice. However, blasting swathes of uniform static grass across the layout is not the end of the story. Like all modelling techniques, there is a need to study the real thing to get a feel for how grasses and weeds actually grow and lie, not to mention the colour mix.

Eventually, the limit of static grass application is reached. It is awkward to apply grasses right up to structures or to place it in isolated clumps with a large applicator such as a Noch 'Gras-master' without covering parts of the layout with unwanted fibres which must be gathered up for reuse. Stray fibres can make a lot of mess if you are not careful!

The answer to 'detailing grasses' is to use grass tufts and matting – they will give you more control over where grasses are allowed to grow on your layout. They are available commercially but can be quite expensive.

Cost is a real concern given that a layout can swallow up an awful lot of grass tufts along the base of walls, fences, buildings, posts and other structures. Furthermore, you might find that commercial grass tufts do not match the grass colours you have applied to the rest of the layout. To save money and retain a consistent feel to the scenery, make your own clumps and tufts with the same fibres you intend to or have used on the layout. It takes a little time but is fun and rewarding to do.

## WHAT YOU NEED

The key to making your own tufts is in the choice of adhesive and backing sheet. The glue has to be water based, dry clear and with a matt finish. It must not stick to the backing sheet of plastic like its life depends on it. I have tried Liquitex matte medium and Mod Podge craft glue with equal success. The latter product is far and away the cheapest to use.

The plastic backing sheet should be a polypropylene based plastic which is slippery to the touch – it allows the finished clumps of grass to be peeled off it with ease. Plastic filing pockets are the most successful I have found to date. They are inexpensive to buy and composed of slippery plastic to which the water based glue cannot gain a really good grip.

Other items of importance include metal clips to hold the plastic backing sheet to a metal plate such as the base of an old cake tin.

## APPLYING THE TUFTS

After making your tufts (see step by step guide), you should end up with randomly sized clumps of grasses caught in convenient bases of clear, matte and flexible glue lightly clinging to the backing sheets. They can be easily peeled from the backing sheet with tweezers ready for use on the layout.

There will be a need for rounded clumps in some places and more ragged areas of grass in others. The tufts can be cut in two with a modelling knife to fit up against linear structures such as walls or even to represent grasses growing



## STEP BY STEP HOW TO MAKE GRASS TUFTS

- 1 Start by preparing your work area and a place to leave the sheets of tufts to dry where they will not be disturbed.
- 2 Select the grasses you wish to use and mix them where appropriate. I usually make up sheets of grasses of different lengths and colours in one session.
- 3 Cut the backing sheet to size and fit one to the metal plate using metal clips.
- 4 Apply glue quickly to the first sheet in random shapes and blobs. Vary the size from tiny dots to large areas which will create mats of grass which can be torn into random shapes.
- 5 Clip the grounding lead of the applicator to the metal sheet and apply grasses to the glue blobs in the same manner as applying grasses directly to the layout. Work as quickly as possible before the glue or matte medium begins to 'skin over'. If the glue does form a skin on its surface, the fibres will not stick as well as is needed for tuft making.
- 6 Remove the grounding lead clip from the metal sheet and shake the excess fibres into a plastic dish to catch them for reuse.
- 7 Place the completed sheets in a safe place to dry undisturbed until the grass fibres are completely secure. You can check to see if the tufts are ready for use by looking at the underside of the sheets. If the glue has not completely hardened, it will appear white rather than clear.

# Back to BASICS



**Add character to your layout with clumps of static grass or grass tufts – in effect ‘detailing grasses’. They blend in structures and may be used to hide blemishes in ballast and scenery.**

in neglected guttering. The larger mats of grass are easily torn into ragged clumps for a more random application. Don't be afraid to mix and match your clumps!

Applying grass tufts is fun to do. Daub a spot of the same glue you used to make the tufts onto a scrap of card. Gently dip the grass tuft into the glue before pressing it into place on the layout. It's that simple! Treat a small area at a time, leave to dry and then return to plant some more. The random nature of this technique soon adds a unique character to the layout and is great for weeding up lesser used track, poorly maintained road and platform surfaces and disguising the base of buildings. To be doubly sure your grass clumps are well and truly rooted into the layout, a tiny drop of diluted scenery glue or cement can be applied to them with a pipette.

Once you get into the habit of using static grass clumps, you will discover a huge variety of permutation of grass colours and lengths that can be used for a range of different effects. Use a mix of 2mm green fibres with longer beige fibres for tufts of grass with dried longer grasses and flower stems.

Plant clumps of beige (dried) grasses to the base of fence posts, along the permanent way or gravel roads which are places where the grasses may die back in the summer because of manmade drainage or shadowing from rain fall. Consider the effects of weed spraying on the permanent way and the resulting colour of treated grasses and weeds. Seasons also influence the colour of grasses and weeds. The scope for adding some unique and interesting effects to your layout is endless. So grab your static grasses, applicator and have a go! [ECC](#)

## KEY POINTS

- Commercial static grass clumps can be expensive. A great deal of money can be saved by making your own.
- Homemade tufts ensure colour consistency with other areas of scenery.
- You have the freedom to make tufts and clumps in any shape and size you wish.
- Make larger pads of grasses which can be torn into randomly shaped pieces.
- Mix fibre lengths and colours for a more interesting tuft.
- You have control over the density of each grass tuft. Sometimes sparse grass tufts are better than dense ones.
- Prepare one backing sheet with adhesive at a time. If you prepare too many before applying grasses, the glue may skin over before you know it and the fibres will not stick.
- Add flowering materials to create the impression of other plants and weeds.
- Remember to use a water based adhesive which dries clear.
- When undertaking a large amount of grass fibre work, consider using a dust mask.

## STEP BY STEP MAKING GRASS TUFTS WITH STATIC GRASS



Essentials of making static grass clumps and tufts include an applicator, a metal plate from a cake tin, metal clips and a suitable clear drying, water based adhesive.



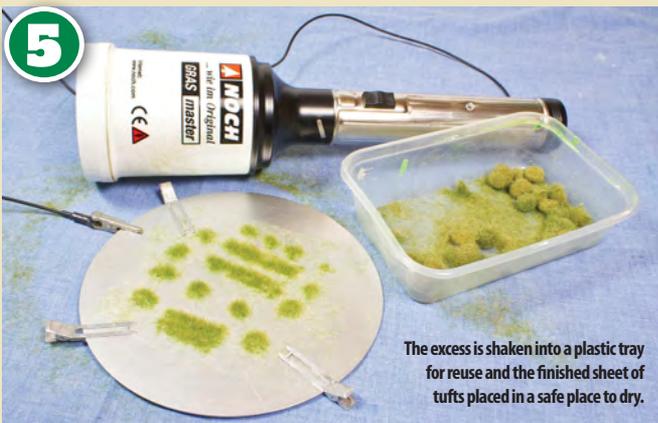
The first stage is to clip a slip of plastic sheet to the metal plate and apply randomly shaped spots of adhesive to it.



Some of the best effects can be achieved with a mix of fibre lengths and colours. Mix them in a plastic tray before use and use the same tray to catch the excess once the process is complete.



With the grounding lead dipped to the metal plate, a Noch Grasmaster is used to apply a good dose of static grass to the globs of adhesive.



The excess is shaken into a plastic tray for reuse and the finished sheet of tufts placed in a safe place to dry.



This photograph shows Mini-Natur 4.5mm long Early Fall grasses.



A mixture of Mini-Natur 2mm long Early Fall and 4.5mm Late Fall grasses have been used to make up this batch of tufts.



A batch of small 4.5mm Late Fall tufts which will be planted around fence posts and similar structures.

### WHAT WE USED

- Static grass applicator – bottle or electro-static device
- Sheet of metal such as a cake tin base
- A range of static grasses
- Metal hair clips or paper clips
- Clear plastic sheet – file pockets are ideal
- No. 2 paint brush for applying adhesive
- Tweezers
- Stirring sticks
- Scrap of card
- Water-based glue such as 'Mod Podge', scenery glue or matte medium
- Plastic trays to catch stray static grass so it can be reused

# Back to BASICS



Grass tufts 'growing' through the ballast adds to the general air of neglect at the end of the sidings.

9



Larger pads of grass can be torn apart to make smaller randomly shaped pieces or applied as they are.

10



The finished tufts are dipped in the same adhesive used to make them and are pressed into place on the layout.



11

Siding's end during the planting of tufts and tussocks of static grass. The textural effect of static grass adds realism to any scene and in any scale.

12

The clumps are handled with tweezers and carefully applied in places they would most likely be found 'growing'.



# EQUIPMENT GUIDE

# ACCESSORY

In the first of a new series of product focussed features **MIKE WILD** investigates the world of solenoid point motor accessory decoders, reviews the main options and explains how to install them.

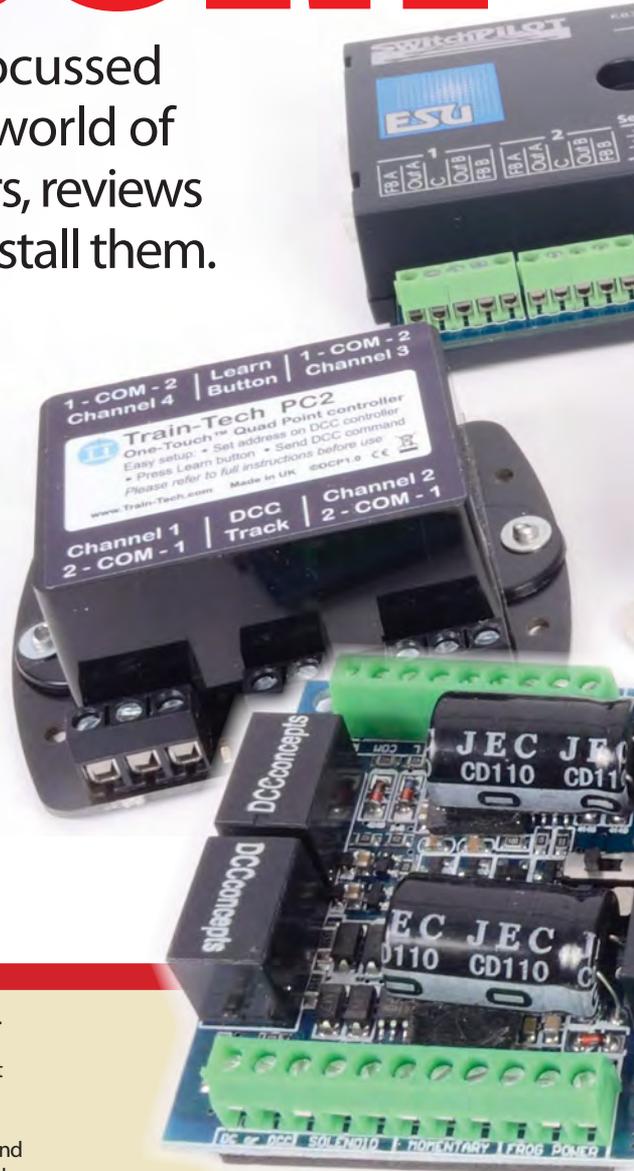
**I**F YOU ARE USING a Digital Command Control (DCC) system and you want to change points using DCC signals then you need an accessory decoder.

Accessory decoders act as a communication point between a controller and equipment such as point motors, signals and lights on a layout.

They act in much the same way as a locomotive decoder, translating digital instructions into actions. These decoders tend to come in groups of four on one circuit board allowing control of multiple items.

There are a number of manufacturers producing accessory decoders and in this first Equipment Guide we have concentrated on the most commonly found decoders. There are other choices beyond the scope of this guide including kits to build your own. We have also concentrated on those designed specifically to work with solenoid point motors such as those made by Hornby, Peco and Seep as these are still the most common forms of point motor today. There are additional decoder designs to suit stall motors such as the DCC Concepts Cobalt and Tortoise while DCC Concepts has also developed a Cobalt slow action point motor with a built in accessory decoder.

The range of accessory decoders are similar in their abilities, but in our tests we found some were more reliable than others. Some lack the 'punch' of power required to move a solenoid point motor while others offer a large number of features beyond simply changing a point. All have been tried and tested on *Hornby Magazine's* layouts and we have put together a rating system to help you understand what we have discovered.



## DCC CONCEPTS SOLENOID ACCESSORY DECODER

### GUIDE RATINGS

<b>Reliability:</b>	5/5
<b>Installation:</b>	4/5
<b>Setup:</b>	5/5
<b>Price:</b>	5/5
<b>Availability:</b>	4/5

DCC Concepts introduced its new ADS series accessory decoders in 2014 offering a substantial upgrade over previous versions. Available in eight port and two

port formats, each solenoid accessory gets its own capacitor discharge unit which provides reliable and plentiful power to change points

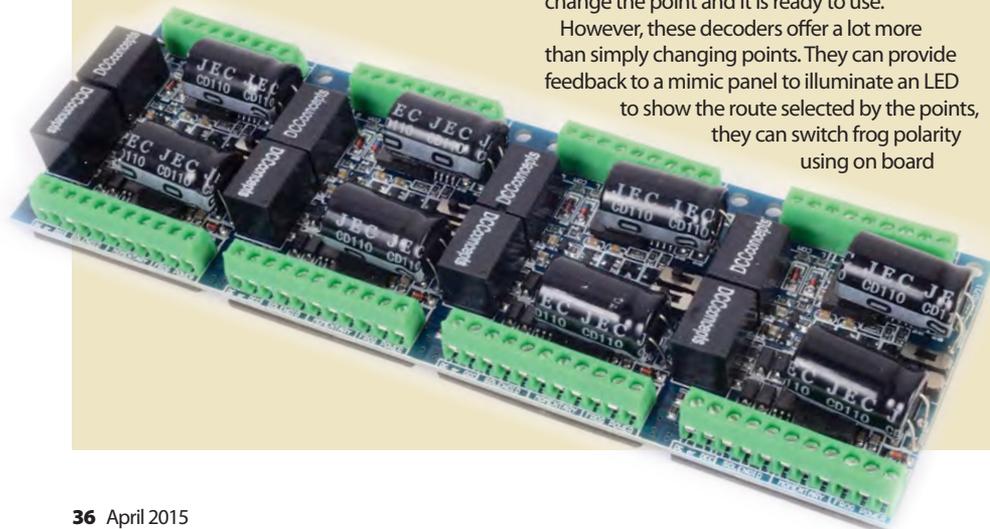
on demand using only a DCC power supply.

The decoders are very simple to install for basic point operation – simply link the input terminals together to the main power feed for your points and connect the wires from point motors to the appropriate terminals and you are ready to go. What is more is that each accessory can be programmed individually using DCC Concepts' tried and tested learn button – set it to learn, choose the accessory address you want it to be on your handset, change the point and it is ready to use.

However, these decoders offer a lot more than simply changing points. They can provide feedback to a mimic panel to illuminate an LED to show the route selected by the points, they can switch frog polarity using on board

circuitry and – thanks to the massive power output of these decoders – each output can comfortably throw two points at once. This means that these substantial decoders can host up to 16 points (eight port decoder only) making them particularly useful for fiddle yards.

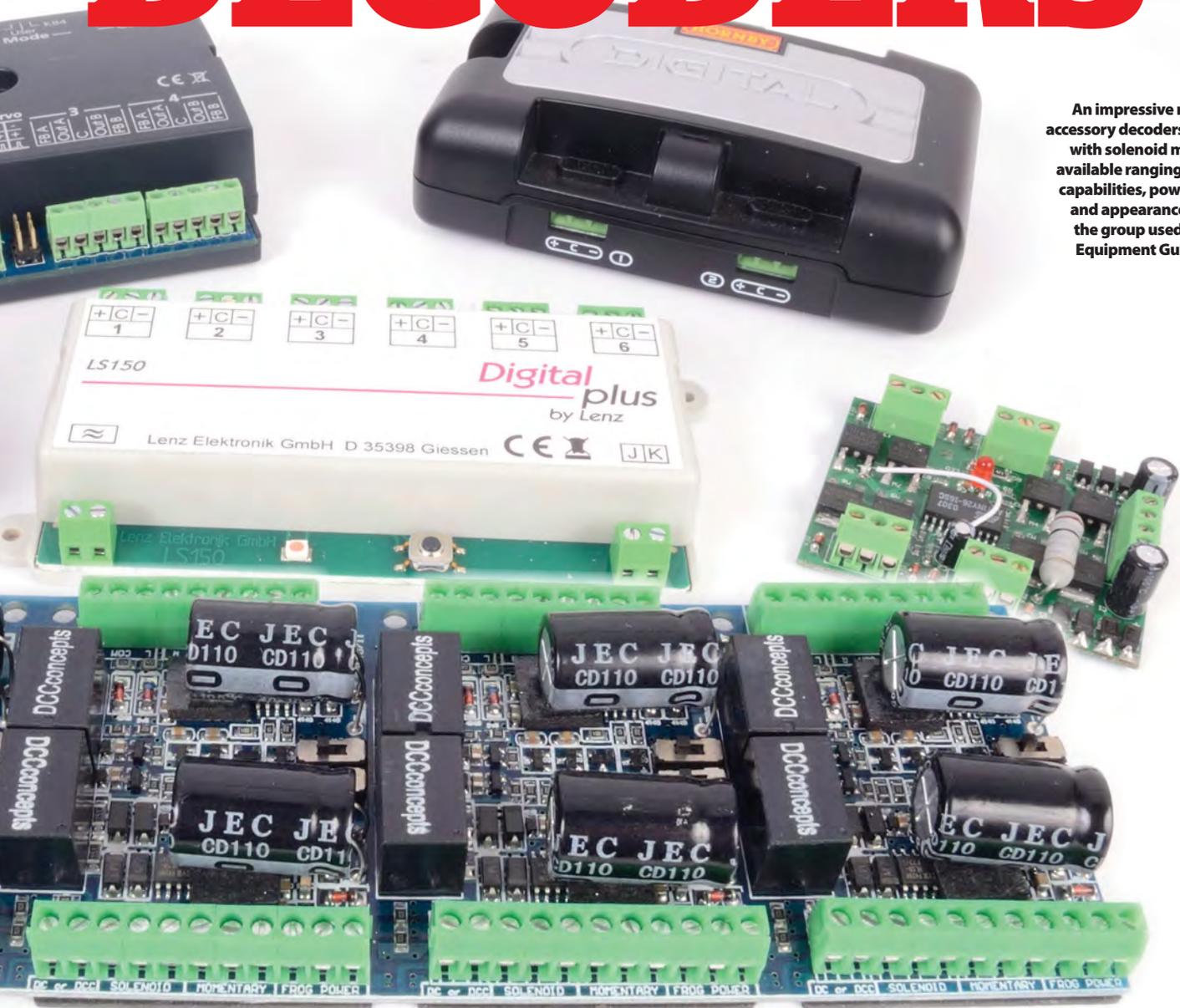
Both the two port and eight port ADS series decoders are currently in service on *Hornby Magazine's* 'OO' gauge office test track Topley Dale where their performance has proved exemplary. With their impressive capabilities and powerful outputs the DCC Concepts ADS series decoders are amongst the best.



### THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.dccconcepts.com">www.dccconcepts.com</a>
<b>Cat No:</b>	DCD-ADS-8fx (eight ports), DCD-ADS-2fx (two ports)
<b>Price:</b>	£74.95 (eight ports), £19.95 (two ports)
<b>No of outputs:</b>	Eight or two

# DECODERS



An impressive range of accessory decoders for use with solenoid motors is available ranging in their capabilities, power, price and appearance. This is the group used for this Equipment Guide test.

## HORNBY FOUR PORT ACCESSORY DECODER

### GUIDE RATINGS

<b>Reliability:</b>	3/5
<b>Installation:</b>	4/5
<b>Setup:</b>	3/5
<b>Price:</b>	4/5
<b>Availability:</b>	3/5

Hornby's accessory decoder was launched alongside its Elite controller and offers a simple workmanlike design dressed in a smart

outer casing. Each of the four outputs can control one solenoid point motor, but from our experience with these decoders they can be a little underpowered.

They are designed to work purely using a DCC power supply with no option to add a separate transformer. This means they rely on a plentiful power supply and with a number of locomotives operating on the track available power can be at a premium for these decoders.

In addition the setup procedure means that

they can be fiddly to prepare for operation on a layout due to the requirement to programme them through CVs. Whilst this is possible with any DCC system they can feel complex to address due to the high CV numbers used in programming.

That said, when operating with Hornby's own control system, with care and attention, these can be reliable accessory decoders and they will always look smart under your layout too. We've used them with good results on *Hornby Magazine's* Hettle 'N' gauge layout using Hornby's RailMaster software and an Elite or eLink controller. They are one of the best value decoders offering four outputs for under £40 at full retail price.



### THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.hornby.com">www.hornby.com</a>
<b>Cat No:</b>	R8247
<b>Price:</b>	£39.99
<b>Number of outputs:</b>	Four

## BACHMANN/ESU SWITCH PILOT

### GUIDE RATINGS

<b>Reliability:</b>	4/5
<b>Installation:</b>	5/5
<b>Setup:</b>	3/5
<b>Price:</b>	4/5
<b>Availability:</b>	5/5

Bachmann's accessory decoder, the ESU SwitchPilot, is a four port decoder with the option to use RailCom feedback. It has been designed to work

with the Bachmann Dynamis controller and, while this isn't a problem, it does mean that with other systems it is a little more awkward to operate – primarily because the instructions are totally focused on Dynamis.

However, as an accessory decoder it is very simple to install and the instructions for connecting power and point motors are expressed in terms that everyone will understand. A comprehensive listing of CV values is included too as well as notes about its operation.

Programming of the addresses is taken care of in blocks of four per decoder and this is exercised through the single push button at the rear of the decoder. Also worth noting is that the SwitchPilot is suitable for use with servo motors as well as for operating colour light signals and that its



output can be modified to suit different pulse rates. Three modes are provided to suit solenoid, user defined and colour light signal operation.

One facet which immediately caught our eye is that the CV values have to be changed for reliable operation of Peco point motors – still undoubtedly the most common point motor in British

modelling. The instructions here are tailored for Dynamis, but for other systems it is simply a case of connecting the decoder to the programming track and setting four CVs to a new value.

With setup and installation complete we tested the decoder using our office test track. Power supply is adequate for operating free moving point motors, but we found that one of our motors – which, on our part, wasn't perfectly aligned – proved too much for this decoder to handle in one direction. This was overcome by trialling the decoder with a separate transformer feed. The SwitchPilot is otherwise a simple to install and flexible decoder suitable for use with a range of devices, but perhaps lacks a little in the power department for 100% reliable operation in all circumstances.

### THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.bachmann.co.uk">www.bachmann.co.uk</a>
<b>Cat No:</b>	36-561
<b>Price:</b>	£45.35
<b>No of outputs:</b>	Four

## TRAIN TECH QUADPORT DECODER

### GUIDE RATINGS

<b>Reliability:</b>	4/5
<b>Installation:</b>	5/5
<b>Setup:</b>	5/5
<b>Price:</b>	4/5
<b>Availability:</b>	5/5

Train Tech's quadport accessory decoders are proving to be a valuable source of point motor control for digital layouts.

A detailed instruction sheet is provided with each of Train Tech's decoders guiding the user through setup and installation. They use the track power supply to action the accessory ports and offer ample output to effect changing of single solenoid point motors.

The quadport decoder is a simple, reliable and effective piece of equipment which is easy to install, set up and connect to four point motors. It features Train Tech's one touch learning system which means all four decoder



ports can be programmed in one go by selecting the lowest numbered address and changing it on a DCC handset with the learn button switched on.

Once installed we have found these decoders to be reliable in service operating throughout exhibition weekends on our Shortley Bridge and Felton Cement Works layout. Of all the four port accessory decoders in this guide the Train Tech quadport decoder also represents the best value for money.

### THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.train-tech.com">www.train-tech.com</a>
<b>Cat No:</b>	PC2 (four ports), PC1 (single port)
<b>Price:</b>	£38.50 (four ports), £17.00 (single port)
<b>No of outputs:</b>	Four

## LENZ LS150 SIX PORT DECODER

### GUIDE RATINGS

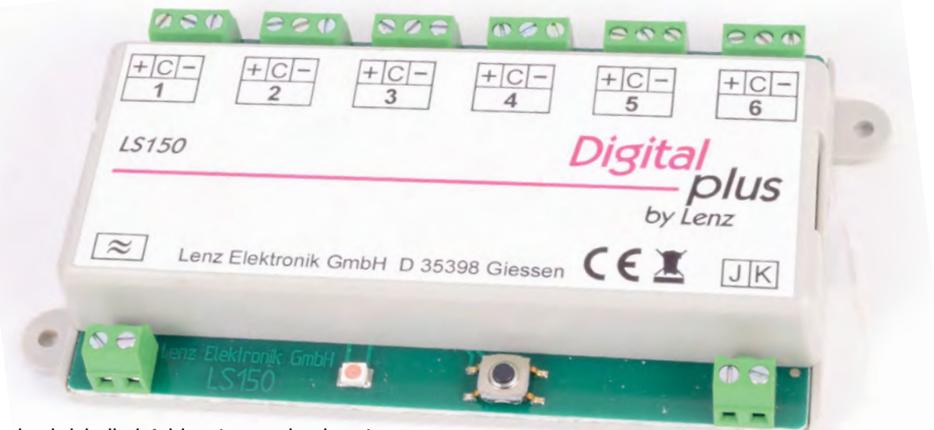
<b>Reliability:</b>	5/5
<b>Installation:</b>	4/5
<b>Setup:</b>	5/5
<b>Price:</b>	5/5
<b>Availability:</b>	3/5

German digital control manufacturer Lenz is well respected in all fields of control equipment and as well as its four port LS100 accessory decoder it produces this excellent

value for money six port decoder. Out of all the decoders we tested in this survey this offers the highest number of outputs for the lowest cost.

The quality of the product is clear straight from the box and it comes with a comprehensive multilingual manual to installation and operation. A significant point with this decoder is that it will not work simply with a feed from the track output of a DCC control system – the LS150 decoders require a separate transformer and for our tests we used a conventional Gaugemaster twin output 16v AC model to power the decoder.

The upshot of this separate power supply is that the Lenz LS150 is supremely powerful with enough boost in its current to throw even the most stubborn of point motors. Installation is straightforward too with all outputs and inputs



clearly labelled. Addressing can be done in two ways – block addressing for all six outputs in one go or individual addressing of each port on the decoder. This makes this a highly flexible piece of kit with great advantages.

The requirement for a separate power supply could be seen as a negative, but the end result is that the LS150 series accessory decoders are strong, powerful and reliable kit.

### THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.digital-plus.de">www.digital-plus.de</a>
<b>Cat No:</b>	LS150
<b>Price:</b>	£46.15
<b>No of outputs:</b>	Six

## GAUGEMASTER DCC30 FOUR PORT DECODER



### GUIDE RATINGS

<b>Reliability:</b>	5/5
<b>Installation:</b>	5/5
<b>Setup:</b>	4/5
<b>Price:</b>	3/5
<b>Availability:</b>	5/5

Gaugemaster has a strong reputation for producing hardware with no frills products and its DCC30 accessory decoder is another striking example of its abilities

to produce workmanlike equipment which do exactly what they set out to.

Delivered as a Printed Circuit Board (PCB) without a case, the DCC30 accessory decoder follows the example of Gaugemaster's highly regarded Prodigy DCC control system. It offers the option to choose between power from the DCC controller or the use of an external power supply to power the points which makes it flexible and – with the addition of a 16v AC transformer – a reliable decoder with plenty of power.

The DCC30 accessory decoder features three modes – latching, momentary and flashing – meaning that it can be used to control a range of equipment including lights, level crossing warning flashers, points and more. All of this is controlled through simple adjustments to decoder CV values – fully explained in the detailed instruction leaflet – and, in terms of solenoid point motors, it allows the momentary supply of power for solenoids to be adjusted to suit the requirements of different turnout motors. This is particularly handy if you have difficult motors, such as one of those used in our tests, where we were able to increase the length of time that power was available to the motor to ensure that it changed every time. This basic programming can be done either through the main track or programming track – although it is advisable to use the latter – while more complex programming needs to be done exclusively through a programming track, including setting the address.

Installation was very straightforward and there is only one potential negative to this decoder as, in terms of the number of outputs it offers, it is the most expensive. However, from our experience it will do exactly what you want it to and the flexibility for controlling lights, signals and more with the DCC30 accessory decoder makes it a very worthy choice.

### THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.gaugemaster.com">www.gaugemaster.com</a>
<b>Cat No:</b>	DCC30
<b>Price:</b>	£59.95
<b>No of outputs:</b>	Four

# Installation process

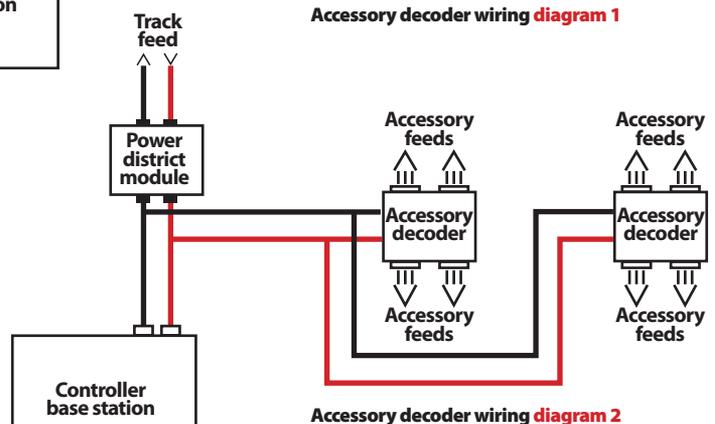
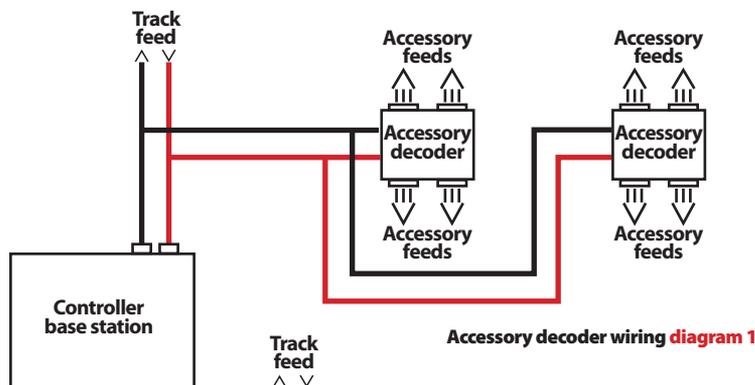
Adding accessory decoders to a DCC layout is a very simple process, but when adding them it is worth considering future expansion of your system. The vast majority of accessory decoders use track power to operate, although the Lenz LS150 requires a separate transformer, and these can be wired directly from the main track feed that you use to connect your DCC controller to the track. The downside of this is that all areas of the layout are fed from a common circuit and should a short occur the whole layout will shut down temporarily.

Best practice is to set accessory decoders up with their own separate feed, but connected back to the track feed for power – **Diagram 1**. At this point all track and point accessory decoders are still protected by a single circuit breaker in the command station should a short occur, but we have the option of introducing a separate power district at a later date.

A power district is created by adding

a small printed circuit board specially designed to operate as a circuit breaker between your controller and the track feed. It creates an electrically isolated section which, should there be a short, will confine it to the area controlled by the power district module.

By preparing the wiring with two separate routes – one for the track, one for accessories – means that in the future a separate power district can be added either on the main track feed or the feed to the accessory decoders giving them separate protection – **Diagram 2**. The advantage of doing this is that should a short occur on the main running lines – such as a train running through an incorrectly set point – the point and accessory decoder feeds retain power as the power district circuit breaker to the main lines takes ownership of the short leaving the feed from the main command station active. This means power points can still be changed even with a short on the main running lines.



## OUR PICK

The big question is which would we choose. If it was based purely on cost and ease of installation we would go for the Train Tech PC2 accessory decoder which is a perfect entry level quad port device with plenty of power to operate 99% of the turnouts we have used it with. However, an equally strong contender on price is the Lenz LS150 as this offers the highest number of outputs for the lowest price

– the downside being that it requires an additional transformer to provide power.

Based on functionality, power, price and reliability though, our first choice would be the DCC Concepts' ADS series decoders – these are bulletproof and we have found them to be absolutely superb in regular use on our office test track. If your funds can stretch and you have a large number of solenoids to control these are a great choice.



# MODEL RAILWAYS DIRECT

www.modelrailwaysdirect.co.uk



OVER 30,000 ITEMS IN STOCK  
www.modelrailwaysdirect.co.uk

## N GAUGE



Graham Farish 379-015  
Graham Farish 2015/16  
Catalogue  
£6.95  
**FREE UK DELIVERY**



Graham Farish 371-454  
Class 37 D6827 BR Green  
Centre Headcode Weathered  
£97.71 £114.95  
You Save 15%



Graham Farish 371-455  
Class 37 37251 BR Blue  
Weathered  
£97.71 £114.95  
You Save 15%



Graham Farish 371-604  
Class 42 Warship D832  
Onslaught BR Green  
£93.46 £109.95  
You Save 15%



Graham Farish 371-605  
Class 42 Warship 810  
Cockade BR Blue Weathered  
£99.41 £116.95  
You Save 15%



Graham Farish 372-245  
Class 47/7 47710 Sir Walter  
Scott BR ScotRail  
£93.46 £109.95  
You Save 15%



Graham Farish 372-246  
Class 47/7 47715 'Haymarket'  
BR Network SouthEast  
£93.46 £109.95  
You Save 15%



Graham Farish 371-110  
Class 31 D5563  
BR Green  
£93.46 £109.95  
You Save 15%



Graham Farish 371-112  
Class 31 BR  
Blue 31173  
£93.46 £109.95  
You Save 15%



Graham Farish 372-060  
Midland Class 4F 43924 BR  
Black Late Crest Fowler Tender  
£84.96 £99.95  
You Save 15%



Graham Farish 372-061  
Midland Class 4F 3851  
LMS Black Johnson Tender  
£84.96 £99.95  
You Save 15%



Graham Farish 372-079  
Class B1 1040 Roedeer  
LNER Lined Black  
£107.06 £125.95  
You Save 15%



Graham Farish 372-138  
Class 5 5190  
LMS Plain Black  
£110.46 £129.95  
You Save 15%



Graham Farish 372-139  
Class 5 45216  
BR Lined Black Early Emblem  
Weathered  
£118.96 £139.95



Graham Farish 372-310  
Merchant Navy Class 35024  
East Asiatic Company BR Blue  
Early Emblem  
£127.46 £149.95



Graham Farish 372-653  
BR Standard Class 4MT 76079  
BR Lined Black Early Emblem  
£100.26 £117.95  
You Save 15%



Graham Farish 372-800B  
Class A1 60163 Tornado BR  
Express Blue  
£133.75 £157.35  
You Save 15%

## OO GAUGE



Bachmann 36-2015  
Bachmann 2015/16  
Catalogue  
£7.95  
**FREE UK DELIVERY**



Hornby R8150  
Hornby 2015 Catalogue  
£ 8.00



Bachmann 31-364  
Class 03 BR D2383  
Green Wasp Stripes Weathered  
£70.51 £82.95  
You Save 15%



Bachmann 31-365  
Class 03 03170 BR Blue  
Wasp Stripes and Air Tanks  
Weathered  
£70.51 £82.95  
You Save 15%



Bachmann 31-366  
Class 03 D2016  
BR Green  
£65.41 £76.95  
You Save 15%



Hornby R3271  
BR Intercity Executive Livery  
Original 1989  
£193.19 £209.99  
You Save 8%



Realtrack RT143-213  
Class 143 Two Car Pacer DMU  
First Great Western Local Lines  
Exeter  
£120.00



Realtrack RT143-214  
Class 143 Two Car Pacer DMU  
First Great Western Local Lines  
Bristol Temple Meads  
£120.00



Hornby R3262  
DCR Class 31  
£149.27 £162.25  
You Save 8%



Hornby R3269  
BR Eastern Region HST  
£193.19 £209.99  
You Save 8%

# GIFT VOUCHER



## MODEL RAILWAYS DIRECT

www.modelrailwaysdirect.co.uk

Unable to decide what to buy? Our Gift Vouchers provide the perfect answer, available in multiples of £5, they can be redeemed on-line or in-store. With over six and a half thousand products to choose from it makes the ideal present! Gift Vouchers for £25 and over are shipped free of charge with a complimentary gift card.



# UK POSTAGE £3.99

**FAST, SECURE DELIVERY**

Next Day delivery £7.95. Highlands, Islands are subject to a surcharge for large items and parcels over 1.8kg. Some oversize items may have to be shipped by courier. Postage charges are per shipment.



## Model Railways Direct Ltd

Retail Unit 2  
Phoenix Way  
Portishead  
Bristol BS20 7GP

**Tel 01275 774 224**

[sales@modelrailwaysdirect.co.uk](mailto:sales@modelrailwaysdirect.co.uk)

## Opening Hours

10am - 5pm  
Tuesday to Saturday  
Closed Bank Holidays



**Bachmann 31-635**  
Class 64xx 0-6-0 Pannier Tank  
6407 GVR Green  
£69.66 ~~£81.95~~  
You Save 15%

**NEW**  
APR  
**DCC**  
READY



**Bachmann 35-076**  
Class E4 0-6-2 473  
Southern Green  
£84.96 ~~£99.95~~  
You Save 15%

**NEW**  
APR  
**DCC**  
READY



**Hornby R4660**  
All Steel K-Type Pullman  
Third Class Kitchen Car  
£45.99 ~~£49.99~~  
You Save 8%

**NEW**  
JUN



**Bachmann 38-751**  
Long Tube Wagon  
BR Bauxite Early  
£21.21 ~~£24.95~~  
You Save 15%

**NEW**  
APR



**Bachmann 38-752**  
Long Tube Wagon  
BR Bauxite Late  
£21.21 ~~£24.95~~  
You Save 15%

**NEW**  
APR



**Bachmann 31-636**  
Class 64xx 0-6-0 Pannier Tank  
6403 BR Black Early Emblem  
£69.66 ~~£81.95~~  
You Save 15%

**NEW**  
APR  
**DCC**  
READY



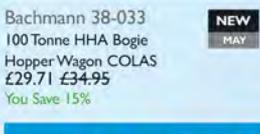
**Bachmann 35-077**  
Class E4 0-6-2 32556  
BR Black Early Emblem  
£84.96 ~~£99.95~~  
You Save 15%

**NEW**  
APR  
**DCC**  
READY



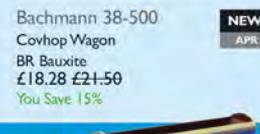
**Hornby R4661**  
All Steel K-Type Pullman  
Third Class Parlour Car  
£45.99 ~~£49.99~~  
You Save 8%

**NEW**  
JUN



**Bachmann 38-033**  
100 Tonne HHA Bogie  
Hopper Wagon COLAS  
£29.71 ~~£34.95~~  
You Save 15%

**NEW**  
MAY



**Bachmann 38-500**  
Covhop Wagon  
BR Bauxite  
£18.28 ~~£21.50~~  
You Save 15%

**NEW**  
APR



**Bachmann 31-637**  
Class 64xx 0-6-0 Pannier  
Tank 6400 BR Lined Green  
Late Crest  
£69.66 ~~£81.95~~

**NEW**  
APR  
**DCC**  
READY



**Bachmann 35-077**  
Class E4 0-6-2 Tank Engine  
32500 BR Lined Black L/Crest  
£84.96 ~~£99.95~~  
You Save 15%

**NEW**  
APR  
**DCC**  
READY



**Hornby R4662**  
All Steel K-Type Pullman  
Third Class Brake Parlour Car  
£45.99 ~~£49.99~~  
You Save 8%

**NEW**  
JUN



**Wagon Essentials WE046**  
Stone load for all styles of Hornby  
PGA Wagons with Central Dividers  
£1.75  
Wagon not included

**NEW**



**Wagon Essentials WE072**  
Lumped Coal load for all styles  
of Bachmann open top HEA and HSA  
£1.75  
Wagon not included

**NEW**



**Bachmann 31-782**  
Modified Hall 6965  
Thirsteina Hall BR Green  
Late Crest Weathered  
£110.46 ~~£129.95~~

**NEW**  
MAY  
**DCC**  
READY



**Hornby R3229**  
BR 2-6-0 British Monarch  
4-6-0 Star Class  
£124.19 ~~£134.99~~  
You Save 8%

**NEW**  
FEB  
**DCC**  
READY



**Bachmann 37-478**  
I Plank Wagon  
LMS Bauxite  
£8.46 ~~£9.95~~  
You Save 15%

**NEW**  
MAR



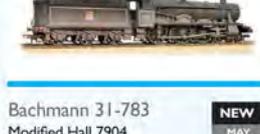
**Wagon Essentials WE006A**  
Imitation load of ballast for all styles  
of Bachmann MFA open wagons  
£1.75  
Wagon not included

**NEW**



**Wagon Essentials WE003**  
Imitation load of coal for all styles of  
Bachmann open top HEA and HSA  
£1.75  
Wagon not included

**NEW**



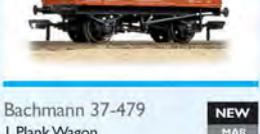
**Bachmann 31-783**  
Modified Hall 7904  
Fountains Hall BR Black  
Early Emblem Weathered  
£110.46 ~~£129.95~~

**NEW**  
MAY  
**DCC**  
READY



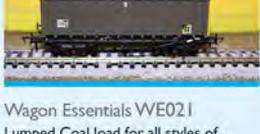
**Hornby R4597**  
FGW  
Night Riviera Sleeper  
£26.21 ~~£28.49~~  
You Save 8%

**NEW**  
APR



**Bachmann 37-479**  
I Plank Wagon  
BR Bauxite Late  
£8.46 ~~£9.95~~  
You Save 15%

**NEW**  
MAR



**Wagon Essentials WE021**  
Lumped Coal load for all styles of  
Bachmann MEA open wagons  
£1.85  
Wagon not included

**NEW**



**Wagon Essentials WE008A**  
Imitation load of ballast for all  
styles of Hornby Clam open wagons  
£1.75  
Wagon not included

**NEW**



**Bachmann 35-075**  
Class E4 0-6-2 579  
LBSC UMBER  
£84.96 ~~£99.95~~  
You Save 15%

**NEW**  
APR  
**DCC**  
READY



**Hornby R4597A**  
FGW  
Night Riviera Sleeper  
£26.21 ~~£28.49~~  
You Save 8%

**NEW**  
MAR



**Bachmann 38-750**  
Long Tube Wagon  
BR Grey  
£21.21 ~~£24.95~~  
You Save 15%

**NEW**  
APR



**Wagon Essentials WE061A**  
Iron Ore load for all styles of Hornby  
27T Iron Ore wagon  
£1.75  
Wagon not included

**NEW**



**Wagon Essentials WE018**  
New Ballast loads for all styles of  
Bachmann JJA Autoballaster  
£1.85  
Wagon not included

**NEW**

**EXPORTS  
VAT  
FREE**

FOR DELIVERIES OUTSIDE THE EU WE WILL AUTOMATICALLY DEDUCT VAT (20%) AND CALCULATE POSTAGE CHARGES AT CHECKOUT.

Prices valid until 30th April 2015 and are valid for pre-orders made on or before this date, all items are subject to availability. All items are in stock or on order at time of producing advertisement, payment (except PayPal and cheques) will not be taken until items are dispatched. Prices shown include VAT at 20%. Errors excepted. Full terms and conditions shown on our website.



**LIVE  
STOCK  
INFO**

# Manual gated **CROSSING**

A minor road crosses one of the china clay works' sidings on Wheal Annah. **NIGEL BURKIN** describes how he modelled the gates that protect the crossing – and made them operational with a simple method which could be used for any scale.

**R**OSEMELLYN crossing, deep in Cornish china clay country, is featured in many reference books on the area and is the inspiration for the simple level crossing featured on Wheal Annah. A similar crossing with the same style of gates also exists on the Par Harbour branch except that the width of the road demands two gates per side which close over the single track branch by overlapping with each other.

A working level crossing would add significantly to the scope of what is a very small layout if the gates were to be made operational. The act of stopping a locomotive heading down the branch, opening the gates and then proceeding at dead slow speed would add time to the job of serving the Wheal Annah works and hopefully add to the interest and enjoyment of operating the layout too.

The crossing was already present on the layout in the simplest way as a placeholder until detailing of the layout could be started. The time had arrived to improve the appearance of the crossing and build some crossing gates to protect it. Before making a start on this project, I studied as many photographs as I could find of manually worked crossing gates. There are still many manually worked level crossings on the rail network today. An hour of research on the ABC Railway Guide website ([www.abcrailwayguide.co.uk](http://www.abcrailwayguide.co.uk)) will help you identify those that remain if you are interested in such operations.

The various reference photographs I found were used to gauge the physical size of manual crossing gates and posts. They are surprisingly large structures, yet commercially available 'N' gauge level crossing gates all looked a little too bulky for my taste. Furthermore, commercial models would need a considerable amount of work to adapt them to look like those that existed at Rosemellyn. In the end, I opted to scratchbuild two gates from metal section, soldered for strength at the cost of a heavier than scale appearance – a balance between cosmetics and functionality.

## PREPARATION

I looked carefully at how the gates would fit the crossing and where the posts and pivot holes would have to be located. After deciding on the position and width of my road based on the gate dimensions, I removed the road surface from between the rails and on either side before fitting

pieces of embossed styrene card to represent wooden crossing planking. The approaches to the crossing were further refined with a coat of Woodland Scenics Smooth-It road material which was rubbed down to make a smooth surface.

Level crossing gates are tall. I soldered together the main frame of each gate so the top edge would be a scale 6ft (12mm) from the road surface, allowing for clearances. I made a simple soldering jig using track pins stuck in a piece of wood and soldered up prepared lengths of 1mm square nickel silver rod. The angle pieces were added using 40thou square styrene strip superglued in place once the gate assembly was cleansed of flux and excess solder. Each gate was soldered to a length of 1mm diameter brass wire which would act as the pivot.

Each gate was carefully cleaned with wet and dry paper and glass fibre pencil before being primed and painted white. Simple warning discs were cut from 10thou styrene, painted red on both sides and left to dry before being applied to the gates with a spot of superglue. Hinges are painted black on the full size gates. They were represented with a touch of black marker pen. Some pieces of black insulation tape would work just as well if you prefer.

This particular set of gates has the red warning discs fitted on the outside of the gates when they are closed against the railway. They are actually warnings for traincrew and not road traffic. This is a feature which can vary, although observation mainly sees them fitted to the inside of the gates so they face road traffic. The Rosemellyn Crossing gates were not fitted with a red warning lamp.

## INSTALLING THE GATES

Having determined the position of the gate pivots with care taken to ensure the gates will clear each other during operation, I drilled a 3mm diameter hole vertically through the baseboard in each of the gate pivot positions. Insulation stripped from 24/0.2 equipment wire makes the perfect tube for the gate pivots. It was inserted and glued in place using the gates as a guide to ensure it was as perfectly vertical as humanly possible before being trimmed top and bottom.

Some adjustment was necessary to ensure the gates would pivot smoothly clear of the road surface and rails. However, it was not my intention to make them pivot freely as would be the case if I had used brass tube instead of insulation sleeve. Some resistance was desirable so the gates >>

## TOOLS

- » Soldering iron, 145 degree solder and flux
- » Block of wood and track pins
- » Tweezers
- » Modelling knife and spare blades
- » Pin vice and twist drills from 0.5mm to 3.0mm diameter
- » Self healing cutting mat
- » A flat needle file
- » Stirring sticks
- » Engineers square
- » Razor saw
- » Glass fibre pencil
- » Grade 600 and 1200 wet and dry paper

#### WHAT WE USED

- 1mm nickel silver or brass square section rod
- 40thou square plastic strip
- 40thou by 60 thou strip for gate posts
- Slaters 1mm scribed planked styrene sheet
- Woodland Scenics Smooth-it plaster
- 10thou styrene sheet
- 100thou styrene sheet
- Stripped out screw connectors
- Primer and white acrylic paint
- A short length of 24/0.2 equipment wire
- Various lengths of brass tube – mostly offcuts
- 1mm diameter brass wire
- CA ('super') glue such as Zap-a-Gap and accelerator.

A little used branch or siding would not be busy enough to justify lights and barriers to protect a road crossing. Manual crossing gates are more appropriate and would be worked by ground staff or traincrew. A Class 37 approaches the crossing on the line leading to the Wheal Annah works. The model could be further detailed with a figure representing a member of ground staff and a suitable vehicle.

## STEP BY STEP BUILDING MANUALLY OPERATED LEVEL CROSSING GATES



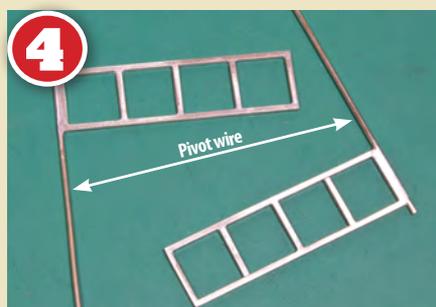
**1** Before starting work on the gates, the road surface and crossing was improved with wooden planking and a better finish.



**2** The improved crossing was tested with various locomotives to ensure that they remained in contact with the rails over the full length of the wooden board insert.



**3** In the meantime, crossing gates composed of 1mm square nickel silver rod were soldered together on a simple jig formed using a block of wood and trackpins to ensure that both gates were assembled to the same standard.



**4** The completed gate frames have a 1mm diameter pivot wire soldered to the edge of each gate. The pivot wire has to be long enough to run through the baseboard top with at least 10mm to spare.



**5** Vertical pivot holes are drilled through the baseboard as carefully as possible to avoid damaging the surrounding road surface and scenery.



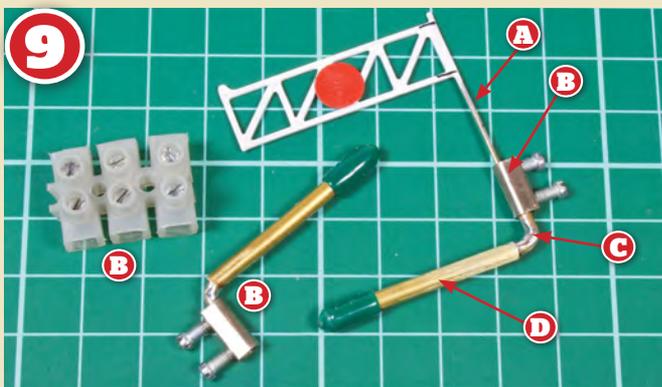
**6** Plastic tube comprising of insulation sleeve stripped from 24/0.2 equipment wire is used as a pivot bush and is inserted into the pivot holes and secured with superglue.



**7** Once the sleeve or tube has been trimmed nearly flush with the road surface, the now primed crossing gates can be test fitted and adjustments made.



**8** The combination of the 1mm diameter pivot wire and plastic insulation sleeve makes a stable pivot that supports the gates well. There is some resistance in the pivot, making the gates easier to control.



**9** The gates are worked manually using angled levers located on the underside of the baseboard. The gate pivot wire (A) is fitted to the metal screw block stripped from electrical screw connectors (B). The lever consists of two sizes of brass tube, a smaller diameter tube forming the angle piece (C) of the lever. The larger piece of tube forms a comfortable handle and is slotted over the narrow section of tube (D).



**10** A view of the underside of the layout shows the completed assembly with levers and styrene stop blocks. The levers can be reached with fingers and operated with ease to open and close the gates.

# Manual crossing gates in the real world



Lincolnshire is home to some manned level crossings with manual gates including the classic example at Heckington on the Sleaford-Skegness line. The remaining manual gated crossings on the Peterborough-Doncaster (GNR) loop line (via Spalding and Lincoln) are all but gone, so if you wish to see such operations, be quick!

A small gated crossing with an adjacent bothy for the crossing keeper is located on Caistor Road at New Barnetby. The gates are kept permanently closed to road traffic until a vehicle approaches. The gates open away from the railway - they are too short to span the line, which is one of the busiest in Lincolnshire with 150 trains per day. The gates and posts are fitted with interlocking.



Cambois level crossing (Northumberland) is located on the short freight branch serving the alumina terminal and Battleship Wharf at the Port of Blyth. It is active today with up to eight freight trains crossing it in any 24-hour period.

would rotate smoothly and remain in position when closed against the road or branch line. Furthermore, resistance would prevent the gates from flapping about when the layout is in transit.

## LEVER OPERATION

In keeping with the minimalist approach to the design of Wheal Annah, I devised simple levers to operate the gates during an operating session. Fortunately, the level crossing is located towards the front of the layout which means I can reach the levers with my fingers through one of the slots in the front fascia accommodating the wire and tube point controls. Any further inboard than that and I would have to mechanise the gates with activation rods or a servo mechanism.

The simplest way of activating and securing the gates would simply have been to bend the underside end of the pivot wire to a right angle. However, the gates may need repair at a later date and such a move would make removal from the layout difficult to do. I trimmed the gate pivot wires to 10mm protruding from the underside of the baseboard top. To this I fitted a metal screw block from an electrical screw connector, securing it to the pivot wire with one of the screws.

To the opposite end of the block I fitted an angled lever made up of offcuts of brass tube, using a larger diameter piece for the lever for comfort. The right angle was bent in a smaller diameter piece of tube which would fit the screw connector block. The larger diameter piece slid over the smaller one to complete the assembly. Should the gates need to be removed for any reason, the screws can be released and the gates pulled out of the pivot tube without any fuss.

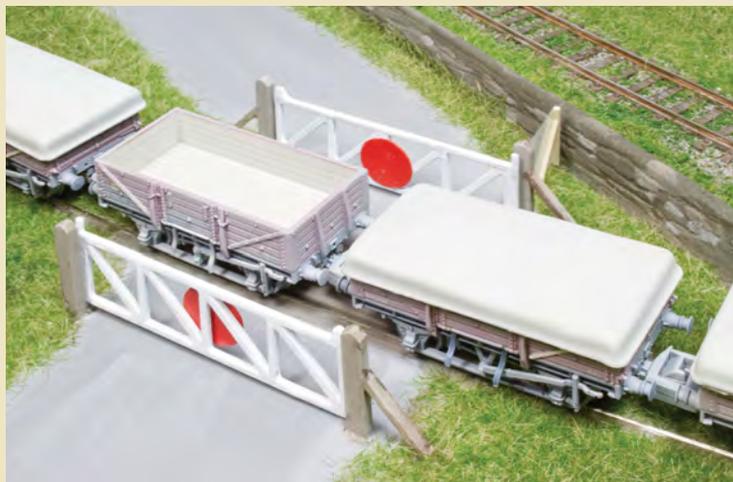
## STOP BLOCKS

The final job was to fit stop blocks to limit the travel of the gates when in operation. The gates were carefully positioned in the open and closed positions and the position marked on the underside of the baseboard. Blocks of 100thou styrene were glued in those positions on the underside of the baseboard. Two were required for each gate - one for the closed and one for the open position. As the levers are used to operate the gates, the screws of the connector block make the stop blocks at the end of travel, preventing the gates from travelling beyond the gate posts.

## DETAILING THE CROSSING

Having completed and fitted the gates, attention turns to detailing the crossing with the large heavy gate posts at each corner - there are no physical hinges between the posts and gates. The width of the road is marked in and finishing completed along the verges and where the gate pivots were fitted. Fencing along the roadside and adjacent to the railway completes the scene. Many of the features can be blended into the surrounding scenery by the careful application of static grass tufts at the base of the gate posts, the fencing, the roadside and along the branch itself.

Modellers of more up to date layouts would have to consider adding a stop board on each side of the crossing to meet modern operational rules. I think the scene could be further enhanced with a 1970s BR road vehicle such as a Land Rover (Kernow Model Rail Centre has a Land Rover Defender in its limited edition model list which would be ideal - yet to be released) and a railwayman to operate the gates. **DEMI**



**11**

Detailing of the crossing, including gate posts and fencing is undertaken once the gates are found to be working reliably and smoothly. The gates are a little heavy in appearance, but being composed of a soldered metal frame, they should stand up to the rigours of exhibition operation.



visit our  
**NEW!**  
website

*Re-creating History...*



Send us *your* standard models

**Step 1** - Contact us by phone or go to:  
[www.themodelcentre.com/customisation-at-tmc](http://www.themodelcentre.com/customisation-at-tmc) to select your customisation requirements.

**Step 2** - Send your models to us with your contact details and requirements.

**Step 3** - TMC will customise your models.  
Work usually takes around one week, however during busy periods this may vary.

**Step 4** - We will return your enhanced models to the address provided.

Choose from the following options...

- ▶ Custom weathering - light, medium or heavy
- ▶ Custom deluxe weathering (matching a picture)
- ▶ Renaming & renumbering
- ▶ Crest & shed code changes
- ▶ DCC & DCC sound fitting service
- ▶ Real coal
- ▶ Screw link couplings
- ▶ Cab tarpaulin
- ▶ Fit parts pack
- ▶ Lamps
- ▶ Tool carrier
- ▶ Fire irons
- ▶ Gloss finish
- ▶ Cab crew

**DCC Chip Fitting Service**  
TMC now offer a comprehensive chip fitting service for N & OO Gauge.  
For non DCC ready & DCC ready models



[www.themodelcentre.com](http://www.themodelcentre.com)



Now Accepting **PayPal**

Please make cheques payable to:  
**'The Model Centre'**

**CONTACT US**

E: [websales@tmc-direct.com](mailto:websales@tmc-direct.com)  
T: 01947 896040

**OPENING HOURS**

Monday - Friday: 8am - 5pm  
Saturday: 8am - 4pm  
Sunday: By Appointment

**VISIT US**

The Model Centre,  
Hill Farm,  
Beck Hole,  
Goathland,  
Nr Whitby,  
North Yorks  
YO22 5LF

**STAY WITH US**

**HILL FARM  
HOLIDAY COTTAGES**  
BECK HOLE GOATHLAND  
WHITBY YO22 5LF  
Tel: 01947 896421  
[www.hillfarmholidaycottages.co.uk](http://www.hillfarmholidaycottages.co.uk)

ALL GOODS IN STOCK OR ON ORDER AT TIME OF GOING TO PRESS, PRICES MAY BE SUBJECT TO CHANGE WITHOUT NOTICE. E & OE.

\*TMC Price Match Promise. TMC match all major model retailers prices wherever possible subject to availability & our own T&Cs. Pre-Orders subject to price ruling at date of despatch.

# Model Shop

**TMC**  
Custom Finish



come & visit our  
**NEW!**  
SHOWROOM

## ...with Every Model

Buy pristine or ready weathered models from stock, or pre-order new releases at competitive prices.

We stock the full Woodland Scenics range, as well as Metcalfe, Oxford Diecast, Peco, Ratio, Wills, Gagemaster, Humbrol, Noch, LHL Loveless, Slater's Plastikard, Evergreen, First Gear and Exclusive First Editions.

Our **TMC Price Match\*** ensures you the best possible quality & value. For regular updates, more information & **Custom Finish** prices, see our **NEW** website.



**371-165** Graham Faris N gauge, Class 37/4 37407 'Loch Long' BR Blue, large logo, weathered by TMC  
RRP - £129.95 (You save £15.45)  
TMC Selling Price £114.50



**372-182** Graham Faris N gauge, 46235 'City of Birmingham' BR Green weathered by TMC  
RRP - £174.95 (You save £22.45)  
TMC Selling Price £152.50



**372-183** Graham Faris N gauge, 46240 'City of Coventry' BR Crimson, weathered by TMC  
RRP - £174.95 (You save £22.45)  
TMC Selling Price £152.50



**31-465** Bachmann OO/HO gauge, C Class 31579, black, real coal, parts pack & weathered by TMC  
RRP - £167.95 (You save £17.00)  
TMC Selling Price £150.95



**31-086** Bachmann OO/HO gauge, 3200 Earl Class 9017, preserved, real coal & weathered by TMC  
RRP - £163.55 (You save £18.60)  
TMC Selling Price £144.95



**31-319** Bachmann OO/HO gauge, Robinson J11 64311, real coal & weathered by TMC  
RRP - £124.95 (You save £13.45)  
TMC Selling Price £111.50



**90065** Bachmann OO/HO gauge, WD, real coal, parts crew, expertly weathered & renumbered by TMC  
RRP - £214.90 (You save £19.91)  
TMC Selling Price £194.99



**31-628 DC** Bachmann OO/HO gauge, 3F 43620 (DCC Fitted), parts pack, real coal & weathered by TMC  
RRP - £179.95 (You save £18.00)  
TMC Selling Price £161.95



**39-777** Bachmann OO/HO gauge, LMS 50ft Inspection Saloon, BR Blue & Grey weathered by TMC  
RRP - £79.96 (You save £9.01)  
TMC Selling Price £70.95



**R3114A** Hornby OO/HO gauge, BR (late) BI 61267 weathered by TMC  
RRP - £159.99 (You save £14.74)  
TMC Selling Price £145.25



**R3243A** Hornby OO/HO gauge, BR (late) Class K, real coal & weathered by TMC  
RRP - £164.99 (You save £10.04)  
TMC Selling Price £154.95



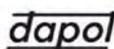
**R3280** Hornby OO/HO gauge, Railroad LNER Class A4 'Golden Shuttle' weathered by TMC  
RRP - £106.99 (You save £11.00)  
TMC Selling Price £95.99



**NEW!**

**37-235Z** Bachmann OO/HO scale, six pack, 16T steel mineral wagons, BR grey, factory weathered. TMC Limited Edition. Era 4/5. All wagons have different running numbers: B100605, B562301, B103891, B130741, B137671 & B84118. Two wagons have split spoke wheels and four have 3 hole disc wheels. Each wagon has welded construction end door and top flap.

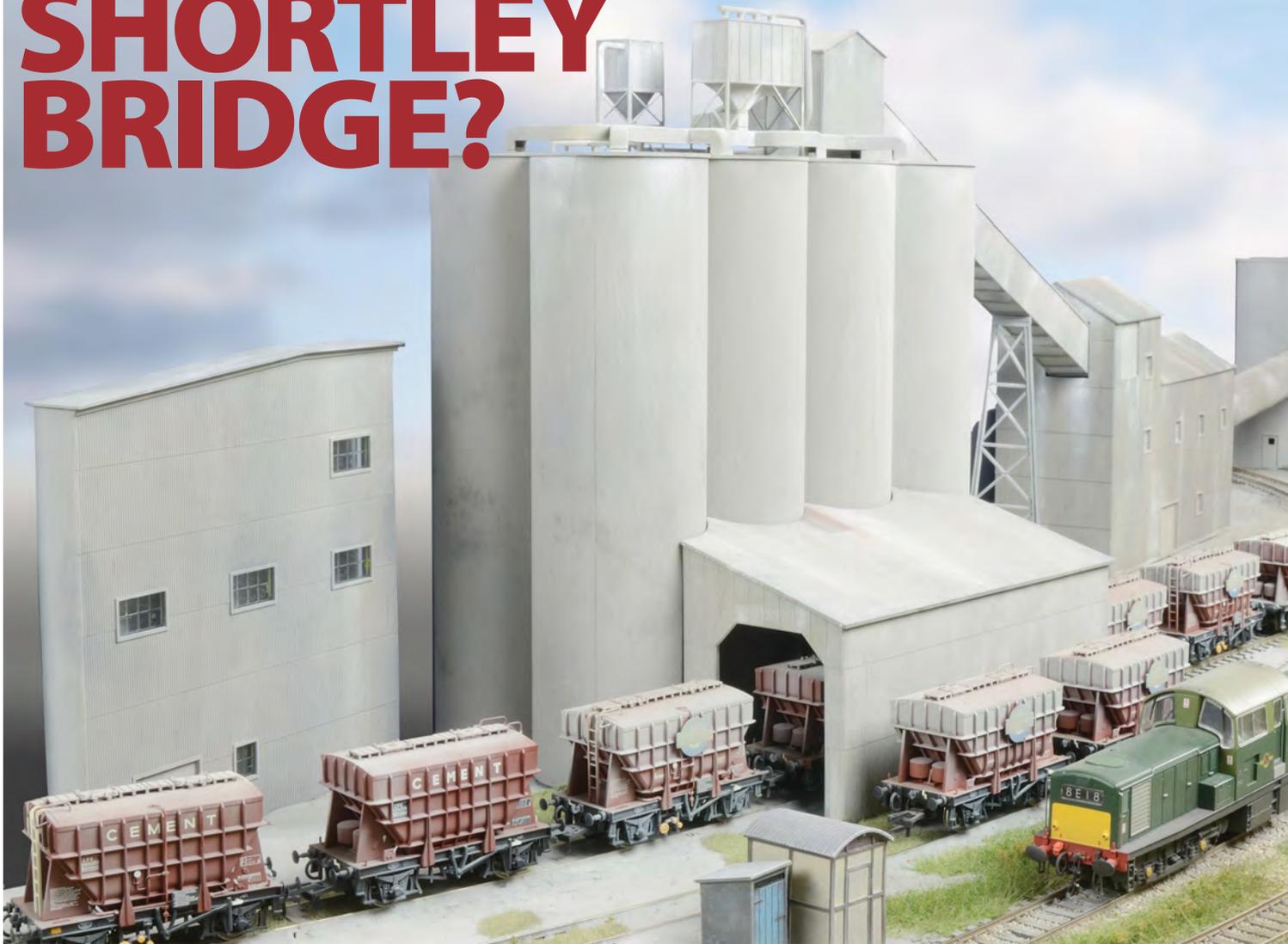
£74.99(+p&p)



Next day delivery on 'in stock' items, for the flat rate of £4.95 up to 5kg. Highlands and islands are subject to surcharge and will be sent via Royal Mail.



# A shortfall on SHORTLEY BRIDGE?



## DCC must be more friendly

I have been following the debate on Digital Command Control (DCC) over the past couple of years, and would like to make a few comments of my own. I also fly radio control model aircraft and went over to computerised gear a number of years ago – rather like upgrading from DC to DCC. However unlike DCC systems, this equipment was very well designed, of a standard layout, and made setting up and flying a model a lot easier and more enjoyable.

Now can we say DCC is that simple? For a start, we have many chip manufacturers most of whose products are different. There are lots of ways that the other CVs that chips hold can make programming challenging, and there lies just one of the many problems

with DCC - you might have to programme a chip if you want to get the best out of it. This can take a long time and be frustrating. I have been using DCC for a number of years and have found that I spend a lot of time trying to get it to work to a decent standard. It's not just a case of two wires to the tracks and away you go as originally advertised, and I feel this time could be better spent building my layout or indeed running it.

So in my opinion DCC needs to get a lot more user friendly. Would I go back to DC? No. I feel that most of this equipment is very dated but please DCC manufacturers - get your act together as if you don't I fear this discussion will still be going on in 20 years time!

**Jamie Rogers, by e-mail.**

## CAN MARK LOOK AT PO FORMATIONS?

There has been much appreciation of the series by Mark Chivers on the formation of trains. For myself, I would like to see coverage of trains involving private owner vans and wagons. Take, for example, the traffic of Palethorpe Sausages. These included four wheel, six wheel, and even bogie vans,

usually vacuum brake fitted. Whilst I understand that private owner traffic was not allowed to run at express speeds, does it mean that a brake van was always compulsory? If this sort of thing could be included, I am sure that many, like myself, would be delighted.

**Roger Phillips, North Wales.**

## SCALING THE SPEEDS

Could you please advise me how to calculate the 'scale speed' of a train in 'OO'? I have tried using regular calculations, but the resultant answer is a silly figure!

I have a loft railway, with an estimated circumference of 38ft (one full circuit). A train, of an engine and seven coaches, took 35 seconds to complete that full circuit. During this run, the valve gear of the 'A2' was looking very realistic for about 60 mph but I'd love to be certain.

So, I would like to know the formula for calculating, the 'real' speed, using my track circumference and the time taken – all help is gratefully appreciated.

**John Stubbington, by e-mail.**

*Hi John, we put your figures into this handy calculator - [http://webpages.charter.net/sinkwich/sdventure/html/sd\\_scale\\_speed.htm](http://webpages.charter.net/sinkwich/sdventure/html/sd_scale_speed.htm) - and it comes out as 56.26mph... pretty close to the 60mph you estimated! - Ed.*



**H**AVE READ two of the Hornby Post letters in HM93, one concerning coal and the other concerning shunters for Shortley Bridge. I saw Shortley Bridge and, more to the point, Felton Cement Works at Warley in November and it struck me then that there was no evidence of coal traffic anywhere near the cement works.

The question arose - how is the kiln fired? Cement is created by heating a mixture of limestone and clay and then grinding the resultant lumps into a fine powder. This process requires something to fuel the kiln, and in the time period portrayed by the layout this would have been coal. Here is a chance to vary the type of train seen on the layout!

**Mick Bonwick, by e-mail.**

*Hi Mick, you are quite right about the lack of coal traffic on Felton Cement Works, and there is a good reason for it! We had planned to include an additional single line fiddle yard from the rear of the cement works to facilitate the arrival and shunting of coal traffic, but due to time constraints this wasn't completed in time for the layout's debut showing. However, this is very much on our list for completion prior to the layout's next outing at the Great Electric Train Show on October 10/11 this year - Ed.*

**As Mick Bonwick rightly points out Hornby Magazine's Shortley Bridge and Felton Cement Works lacked incoming coal traffic on its debut outing at the Warley National Model Railway Exhibition in November 2014. That will all be put right when it makes its next public appearance at the Great Electric Train Show in October this year.**

*Mike Wild/Hornby Magazine.*

## How do different motors compare?



There have been 3-pole motors, 5-pole skew-wound motors and now coreless motors (HM93 in the 'N' gauge '4F' review). I'm interested to know how a coreless motor works so perhaps *Hornby Magazine* could do a brief feature of the respective merits of the different types of motor. Is the coreless motor a logical progression in motor technology or simply a solution to the problem of making the motor smaller?

Also in HM93 I thought your review of FTG Models' SPA wagon was somewhat unhelpful. The review stated that two such wagons could not be coupled together, but the picture caption suggested that the limitations were 'easily resolved'. I think it would have been fairer to FTG Models (I have no connection of any kind)

if the review had gone on to state exactly how the coupling issue could be corrected. At the moment I think readers will be discouraged from buying the wagons because they will have no idea of how much work is needed to resolve the problem. regards,

**Mike Dean, Andover.**

*Hi Mike, thank you for your comments. To resolve the coupling problem with FTG Models SPA wagon, the NEM coupling pocket needs to be removed and replaced with an alternative version such as those produced by Bachmann or Hornby in conjunction with a longer tension lock coupling. The coupling pocket is a push fit and the process takes a matter of minutes to complete. We'll look into the motors idea too - Ed.*

## CHURCHILL'S FUNERAL

I like many others watched the service for the 50th Anniversary of the funeral of Sir Winston Churchill and I was reminded of the original occasion which I watched in black and white with my mother and twin brother. We had been given a train set for Christmas and the locomotive was Sir Winston Churchill. I distinctly remember telling my mum that the locomotive pulling the funeral train was the same as ours!

It's funny how model trains seem to trigger some of our oldest childhood memories - I still have the 'Battle of Britain' to this day, despite doing thousands of circuits pulling coaches, trucks, and a large Battlespace collection, it may be battered but it still runs.

Hornby trains have not only helped to keep alive my own personal memories but also a social history of our great country. Long may it continue.

**Kevin Bridle, Somerset.**

## Quick notes...

■ What a wonderful feature in HM93 about the early LMS diesel shunters! Thoughts naturally turned to a desire to see models of these in ready-to-run form, and why not? The LMS 'twins' 10000/10001 have proved enormously popular, the Beyer Garratt is selling out, and the market for the 'Big Four' is substantial. What I love is that for modellers of this era, you can have your proverbial steam 'cake', and eat it with a diesel cherry on top! Why should the BR boys have all the fun?

**Owen Rees, by e-mail.**

■ I was interested to read Geoff Dore's letter and your reply in HM93. While the Garratts are now gone, there remain at least two recordings on the Argo Transacord label (EAF 127) but these wouldn't have been much use as the engines weren't working hard at all. I don't recall a Garratt in normal running being any more noisy than, say, two desynchronised 0-6-0 '4Fs' would be, so that means Paul Chetter's product should be just fine!

**Chris Barclay, Milton Keynes.**

■ I am a regular reader of your magazine and in the recent article on the GWR '64XX' I encountered the term 'route availability' which is unknown to me. I would like to know what it means and whether it has been referred to in past issues.

**Samuel Forrest, by e-mail.**

*Hi Samuel, Route Availability (RA) is a term used by the railway to indicate where a locomotive, carriage, wagon or multiple unit can or cannot run. It's mainly but not exclusively dictated by axle load and size. Oddly, the lower the RA, the more routes a given vehicle can operate on, while a vehicle with RA10 - the highest - is likely to be highly restricted - Ed.*

■ Referring to the review of Hornby's new 20ton hopper in HM93, although I would agree that Hornby has certainly improved the model, it has omitted the lower horizontal handrail from each end. All 20ton coal hoppers built by BR and virtually all of those built by the LNER had this feature.

**David Monk-Steel, by e-mail.**

# YORK



## MODEL RAILWAY SHOW

At the  
KNAVESMIRE STAND  
York Racecourse  
YO23 1EX

**OPEN DAILY** from  
**10.00am to 5.00pm**  
(Monday close 4.30 pm)  
Last admissions 45 minutes before close

# EASTER 2015

**Saturday, Sunday, Monday - APRIL 4th, 5th & 6th**

York Railway Station



Photo courtesy of:  
YORK 360°  
[www.york360.co.uk](http://www.york360.co.uk)

**Over 120 stands** including 40 Layouts ~ Trade Stands  
~ Demonstrations ~ Specialist Societies ~ FULL REFRESHMENT SERVICE  
INCLUDING LICENSED BAR

Free Parking for 800 Cars

Frequent Bus Service from York Railway Station

Visit our website at [www.yorkshow.org.uk](http://www.yorkshow.org.uk)

or contact the Show Manager.

Email: [yorkshow@malscrimshaw.karoo.co.uk](mailto:yorkshow@malscrimshaw.karoo.co.uk)

**Admission Prices** (Cash Only)

**Adult £9, Child £4, Family (2A+3C) £22**

(Advance Tickets: Adult £7.50, Child £4, Family £19)

Advanced Booking available. Details on our Website or write to;

Mr Peter J Leadley, Mount Pleasant, North End, Goxhill, Barrow upon Humber DN19 7JN

(Please enclose SAE for reply and make Cheque/P.O. payable to York Model Railway Show)

DCCconcepts are proud to present **Zen** Decoders.

**Zen** is a new decoder range with a personality all its own. **Zen** features unique design, great performance and it has an "installability" that is something special.

Decoders are all too often designed by engineers to suit engineers... Lots of features that are never used, dozens of light options and functions that are just not needed, too many wires, just too big to fit easily...

The list goes on and on - and it became very clear to us as we talked to modellers around the world that some issues were ignored and that is a problem because all model trains are not the same at all.

Some prototypes, made to a smaller loading gauge than the USA and parts of Europe, give modellers a real headache when the time comes for them to choose and install a decoder.

We wondered... Why does nobody think about the end user?

So... we did. We ignored convention, looking across problems not at them. We looked at need not want... and we enjoyed doing it. The name we chose just seemed to match our approach so well...

**Zen** Is a range of 7 totally new DCC decoder designs that include the worlds smallest direct plug decoder, a totally universal micro 6-pin, as versatile 21 + 8-pin plus the smallest "Big decoder" there is...

**Zen** Buddha has huge power handling but is small in size, It has 6 functions and a 3Amp motor drive, plus 3 different forms of protection.

**Zen** Decoders all have multiple installation options - so one decoder fits many loco types. The range has choices for every common scale too!

**Zen** Decoders are packed with an all-new Slim and very powerful Stay-Alive™ that is four times stronger and yet it is also both smaller and thinner than others for easy installation! (also sold separately in packs of 3)

We love **Zen**. We hope you do too!

thinking outside the square

**DCCconcepts**

By DCCconcepts

# ZEN

Unique performance, real usability



Decoders that **WILL** fit every locomotive...

**ZN218** has 8 pin and 21pin 21MTC ability.

**ZN668** is 6P direct & also includes 6pin to 6 pin & 8 pin to 8pin harness for complete installation flexibility

**Zen 360 Direct**  
14.2 x 12.5 x 3.5mm

**Zen ZN6D**  
13.5 x 8.5 x 3mm

**Zen 218**  
22 x 16 x 4.5mm

**Zen ZN668**  
13.5 x 8.5 x 3mm

The Zen DCC decoder range and all other DCCconcepts products are distributed worldwide by DCCconcepts Pty Ltd.  
3/13 Lionel Street, Naval Base WA 6165 Australia . Ph. 61 8 9437 2470 Fax. 61 8 9437 2471 www.dccconcepts.com  
DCCconcepts welcomes Retailer and Distributor enquiries. DCCconcepts products are distributed throughout the United Kingdom by Gaugemaster Controls Ltd., Ford Rd, Arundel Ph. +44 1903 884488 www.gaugemaster.com

# RUMBLING BRIDGE

**NICK SKELTON** has long been fascinated by Scotland's railway byways and chose one of the lesser known locations on the network as the subject of his fascinating 'OO' gauge model.

**PHOTOGRAPHY, MIKE WILD.**

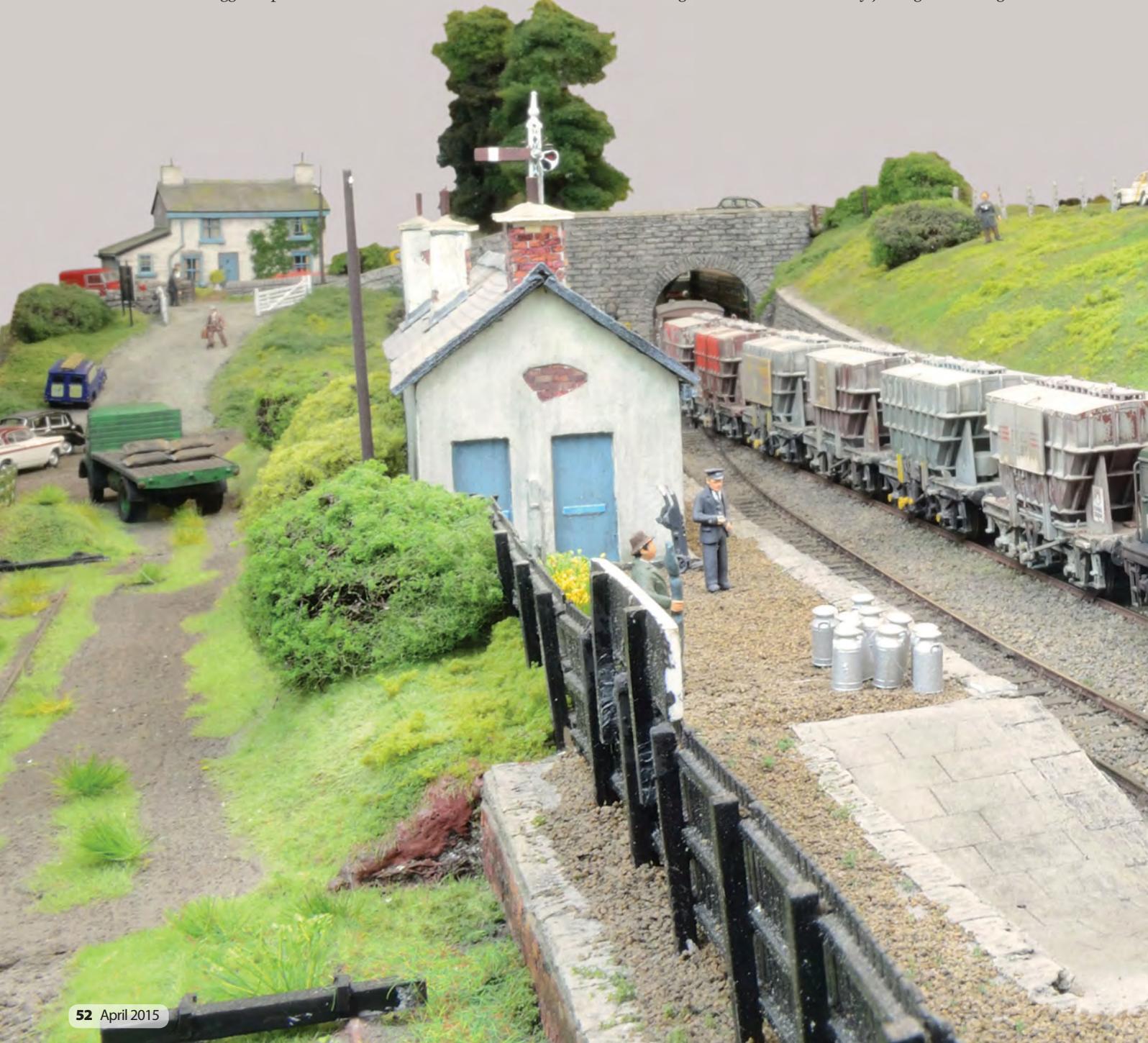
**T**HE IDEA for this layout came after reading Ian Futers' excellent book *Modelling Scottish Railways*. The trackplan was simple, and the project achievable in a reasonable timescale, and I thought it would be just a little different to previous projects. The station had staggered platforms,

an interesting signal cabin and bridges conveniently placed to take trains off scene. From the start it would use Digital Command Control (DCC) using my existing Lenz equipment, with as many locomotives fitted with sound as possible.

Rumbling Bridge was on the Devon Valley Railway, which linked Alloa and Kinross in Central Scotland, the line following

the meandering River Devon. The line took 20 years to construct, the first section opening in 1851, and finally fully opening in 1871. Three railways were involved in construction, which encountered many engineering and financial problems.

The line, when fully opened, provided a secondary route from the River Clyde to the River Tay joining the Stirling and >>



## STATISTICS

**Owner:** Nick Skelton

**Scale:** 'OO'

**Length:** 20ft

**Width:** 2ft

**Track:** SMP with handbuilt points

**Control:** DCC, Lenz

**Period:** BR Scottish Region, 1960s

 **Right:** Detailing includes workers taking a break from drainage repairs.

 **Below:** Clayton Type 1 D8511 enters Rumbling Bridge with a short rake of Presflos.



SEE IT ALL...  
THE  
**GREAT ELECTRIC**  
TRAIN SHOW  
OCTOBER 10/11 2015  
> FOR MORE INFORMATION VISIT...  
[WWW.GREATELECTRICTRAINSHOW.COM](http://WWW.GREATELECTRICTRAINSHOW.COM)



Dunfirmline Railway with the Fife and Kinross Railway. Intermediate stations were constructed at Sauchie, Tillicoultry, Dollar, Rumbling Bridge, Crook of Devon and Balado - interesting names indeed and all a delightful prospect to name a model railway after.

Crook of Devon takes its name from a sharp bend in the river. It is a pity that the line did not follow a route slightly to the north, it would have then served Yets o' Muckart - now that would have been a signalbox nameboard for the collectors!

Rumbling Bridge itself takes its name from a bridge spanning a deep gorge in the river, quite close to the station. The raging river disturbing the rocks on its bed created a rumbling sound beneath a delightful twin arched bridge above and was a favourite destination of Victorian tourists.

The line was always worked by the North British Railway, passing to the London and



North Eastern Railway (LNER) at the 1923 Grouping and then to British Railways in 1948. It closed to passengers in 1964, and to all traffic in 1973. A coal mine developed at Dollar kept the southern section of the line open, although it failed to fulfil expectations.

## RESEARCH

When planning the layout I did so with the benefit of only two photographs. One of these was credited to John Spencer-Gilks. How fortunate we are that these people foresaw the demise of many country branch lines, and had the foresight to record history on film.

With so little photographic evidence I undertook a five hour journey to make a site visit. I was amazed how little of the railway infrastructure remained in the area. The station site has almost completely vanished under housing, although the edge of a platform was still

 **Right: A passenger waits to board the AC Cars railbus.**

 **Left: BRCW Type 2 D5353 leads an inspection saloon across the pointwork into Rumbling Bridge.**

 **Below: Workers take a break from drainage repairs as a BRCW Type 2 arrives at Rumbling Bridge. In the loop a Thompson 'B1' 4-6-0 waits with a van train.**



visible, and one overbridge is still in use over a trackless cutting. The site visit however gave me a real feel for the area. It is a beautiful part of Scotland and several visits to the area have been made since.

As is usual nowadays the internet provided a valuable source of information, as did various books on Scottish branch lines. What I was pleased to find was that both steam and diesel traction used the line in the period I wished to model, immediately before closure, and that the route was used for diversions, so all manner of locomotives would be appropriate.

I managed to obtain a copy of the Scottish Region Passenger Timetable for 1960. This showed Rumbling Bridge was served, as was often the case prior to closure, with one train in each direction each day... was the closure by stealth?

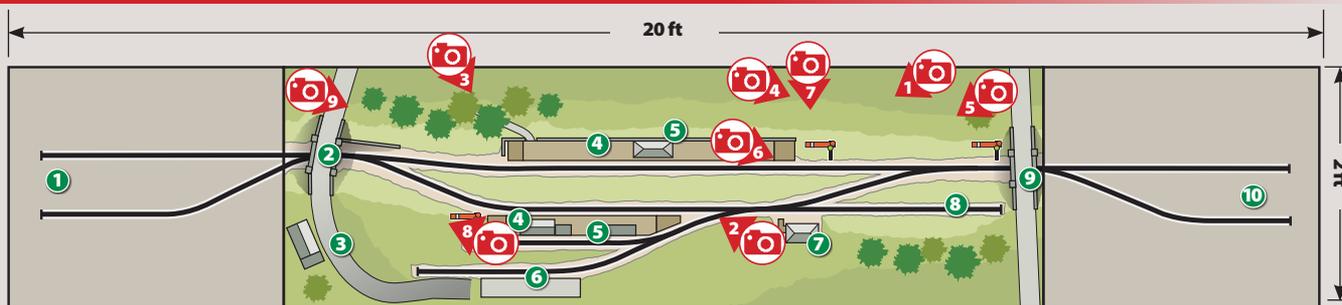
## CONSTRUCTION

With research completed it was time to get on with the building. The scenic section of the layout is 12ft long and attached at either end are 3ft long fiddle yards. The layout breaks down into five sections for transportation and each baseboard has its own collapsible box to protect the layout during transportation.

Level baseboards are essential, and I had mine made to my specifications by White Rose Model Works. There are two reasons for this: the quality of the product and that whilst the baseboards were being constructed I was able to get on with research and planning. The MDF baseboards are joined by a latch and dowel system - they are robust but not too heavy. Weight is another important consideration when planning a show layout.

The trackplan was drawn onto a length of lining paper. Rolling stock was positioned on the plan to ensure that the proposed shunts were feasible, and that the platform lengths were adequate. The track was laid on a cork base. I cover the whole layout scenic section in cork sheet. Not only >>

## RUMBLING BRIDGE TRACK DIAGRAM (Not to scale)



### KEY

- |               |            |                    |             |                |
|---------------|------------|--------------------|-------------|----------------|
| 1 Fiddle yard | 3 Road     | 5 Station building | 7 Signalbox | 9 Road bridge  |
| 2 Road bridge | 4 Platform | 6 Goods yard       | 8 Headshunt | 10 Fiddle yard |

does it deaden sound, but the cork can also be cut away to 'plant' buildings and structures into the baseboard avoiding them 'sitting' on the ground. It may work out a little more expensive than tailoring the cork to suit the track, but the other advantages outweigh this, I feel. With DCC in mind I wired in the droppers for the track, colour coding the wiring to ensure I obtained the correct current polarity.

After tracklaying, I temporarily wired the layout to enable it to operate. This was to ensure that the layout would operate reasonably reliably, particularly without derailleurs. When all was well and the electrics installed construction of the scenery started.

### DIGITAL ELECTRICS

From the outset, Rumbling Bridge was destined to be DCC operated and designed to be taken to exhibitions. The wiring and electrics have to stand up to the rigours of manhandling and transporting and every piece of track has its own 16/0.2 multi-core wire dropper feeding into a 30/0.2 multi-core bus wire. Very simply - the better the connection the less chance there is of unreliable operation.

We've all been to shows and witnessed that embarrassing moment when everything unexpectedly stops on the layout. Even if you weren't watching, you heard the sudden silence as the sound locomotives were deprived of power. Often such outages are because the operator has attempted to drive the model across the points set the wrong way or a colleague was putting a new locomotive onto the track in the fiddle yard. The DCC system shuts itself down so as not to damage itself or the decoders. We aren't infallible so we needed a system that would, at least, not let the world know that something had gone wrong!

The first thing was to ensure that the point motors were not powered from the track. If there was an outage due to trying to cross a wrongly set point, you can't throw the point if the command station has cut off all power. So we powered the point motors using a separate transformer.

The next thing was to find a system that only shuts down the area where the short has occurred. This is where Digitrax's PM42 comes into its own. This small power

management device allows you to split your layout into four separate power districts. If there is a short circuit only the guilty district shuts down, the others working as normal. Furthermore, the PM42 continually tries to reconnect the power, so when you have thrown the point to correct the short, the trains automatically start up again and continue on their way. Often, viewers aren't even aware that there was a problem.

The working semaphore signals were also powered separately. Heathcote Electronics circuit boards coupled to servo motors drive these important items. There are options to interlock signals and points but we decided against that on this layout. Simply switch operated from the control panel, operators have to keep their wits about them to ensure there are no signals passed at danger, but this all helps make it an enjoyable time when standing behind an exhibition layout for many hours. The first to cross a wrongly set point or pass a danger signal buys the first round of drinks that night!

### THE SCENERY

I planned the layout so that the station was, as per prototype, in a cutting. The effect I was seeking was for viewers to look into the cutting from above. The base of the scenery was formed using plywood formers securely fastened to the baseboards. The gaps were then infilled with polystyrene, salvaged from domestic appliance packaging.

A surform was then used to shape the polystyrene. This is a messy operation, but the polystyrene is dry and can be easily removed with a vacuum cleaner. Once the basic shape had been achieved, I covered the whole area with plaster of paris bandage. I wet the bandage with a water and PVA glue mix and waited for it to thoroughly dry pending the application of static grass and other scenic ground cover.

The bridge and retaining wall stonework was produced using plywood formers. Scale size plasticard stone blocks were individually stuck in an appropriate bond to the plywood. The plasticard was then distressed using a multitool and then after swarf was removed, painted and weathered.

The layout has quite a large scenic area to the south of the station so I decided to introduce various cameos. The area apparently was notorious for the instability»



 Peppercorn 'K1'  
2-6-0 62005  
rolls into Rumbling  
Bridge with a short  
passenger working. The  
signals are fully working  
with servo motors.





**7** Left: The signalbox at Rumbling Bridge was an unusually tall structure which offered a high vantage point for the signalman.

**8** Right: A 'K1' 2-6-0 enters the station with a van train passing under the stone bridge.

**9** Below: A Clayton Type 1 has just received the 'off' from the North British lower quadrant signal following arrival of an AC Cars railbus at Rumbling Bridge.



of the ground and I thought, despite the fact the line was about to close, some drainage works would be appropriate. I kit built an early model JCB and obtained figures from the Dart Castings and Peter Goss ranges to represent 'tea break', that favoured and universal time where work stops for a while. There are other cameos on the station platform, with a lady berating a sleeping porter, and two teddy boys, which helps set the era.

The backscene was created by fellow club member Richard Bannister, and the red sky and setting sun are far better than my blue emulsion efforts.

All buildings on the layout are scratchbuilt and I used the photographs mentioned earlier for reference. Construction is from artists card and plastic. Window frames are bought in but sometimes modified. Any brickwork is using paper bricks attached individually to the card with PVA glue. Some find this mind numbing, but for me it's very therapeutic.

The signalbox had an unusual locking room and point rodding arrangement which I have attempted to replicate. The 'box' was positioned high on an embankment, presumably to give the 'bobby' sight of approaching trains. Just why this was thought necessary on a low speed branch line is a mystery but it does work. I used artistic licence when producing the Stationmaster's house and not being entirely happy with it, this may be replaced with a more prototypical structure in the future.

I was determined that the running lines on the layout would be semaphore

signalled. A photograph showed that up until the close of the line a charming lower quadrant North British Railway semaphore existed on the platform end against the gable end of the station building.

The signal approaching from the south, was, by reference to photograph captions, 69ft high. This scales out at about 13in. Sadly this is impractical for a layout being carted around the exhibition circuit and the more practical example I installed is my one big regret.

Signals are built from Wizard Models components by renowned modeller Mike Nicholson. The signals operate from the control panel by servo motors giving a slow action which can be adjusted. My first attempt at working semaphores was on my previous layout. The point motors used for drive gave the signals a 'karate chop' action which I was determined to improve upon.

## THE TRAINS

The majority of rolling stock is ready-to-run with some kit built Parkside Dundas coal wagons and fish vans which I really enjoyed building. Unfortunately the layout is not large enough for large rakes of wagons, so five apiece had to suffice. As with the real thing, the fish vans are sometimes attached to the passenger trains as a tail load.

The locomotives are a mix of steam (a 'B1' 4-6-0 and 'K1' 2-6-0) and diesel classes 17, 24, 26 and 27. Bachmann Class 101 and 105 Diesel Multiple Units (DMUs) provide much of the passenger services and as I have



a picture of an AC Cars railbus at Dollar, I haven't been able to resist running one even though I haven't seen any evidence they made it to Rumbling Bridge.

All locomotives are fitted with sound, mostly by Legomanbiffo, except the Class 17. The locomotives work mostly on freight services but appear occasionally on passenger workings substituting for a failed DMU. I must fit sound to the Clayton but first examination seems there might be an issue with space for the speaker.

The observation saloon is occasionally propelled along the branch, imagining the Divisional Manager's final inspection prior to closure. We always endeavour to keep the trains running when exhibiting, in fact Rumbling Bridge probably sees a year's worth of trains every hour at a show!

The layout took three years to construct with considerable help from fellow members of Scarborough and District Railway Modellers. Do take this into account when planning your project - a layout of this size built by one person would be a considerable project in a reasonable time scale.

An improvement that I am considering is replacing the track in the fiddle yards with a cassette system. This saves repeatedly lifting locomotives and stock off the track to turn them. Steam locomotive motion can be damaged if great care is not taken. With hindsight I would have adopted this system from the start.

When I finally manage to retire I intend to build a West Highland Line station. Glenfinnan appeals but the viaduct frightens me off, Bridge of Orchy shows promise or perhaps Tulloch, but, in the meantime my next layout is about two thirds complete, so hopefully Lomond Street, a 1980s set fictitious Glasgow Motive Power Depot servicing West Highland Line locomotives will provide as much fun. [Fibna](#)



# FREE STOVE R MODEL

Claim your **FREE** Stove R Model when you take out a 2 year or Direct Debit subscription to

# HORNBY

magazine



ONLINE

[www.hornbymagazine.com](http://www.hornbymagazine.com)



PHONE

UK 01780 480404  
OVERSEAS +44 1780 480404  
FAX UK 01780 757812 OVERSEAS +44 1780 757812



POST

COMPLETE THE FORM AND POST TO:  
HORNBY MAGAZINE, KEY PUBLISHING LTD,  
PO BOX 300, STAMFORD, LINCS,  
PE9 1NA, UNITED KINGDOM

**3 EASY WAYS TO ORDER...** THIS FANTASTIC SUBSCRIPTION OFFER!

## STOVE R MODELS

- HM001 ~~OUT OF STOCK~~
- HM002 ~~OUT OF STOCK~~
- HM003 BR crimson livery
- HM004 BR maroon livery
- HM005 BR blue livery



Please see [www.keypublishing.com/shop](http://www.keypublishing.com/shop) for running number details

**WORTH  
£25.65**



208/15

# SAVE EVEN MORE

when you pay by easy Direct Debit - just **£8.99 quarterly** or **£37.50 annually**

**YES**, I would like to subscribe to Hornby Magazine

### PAYER'S DETAILS

Title  First name  Surname   
 Address   
 Postcode  Country   
 Email address

Please complete to receive news updates and offers from us by email.

### DELIVERY DETAILS (IF DIFFERENT)

Title  First name  Surname   
 Address   
 Postcode  Country   
 Email address

Please send gift card tick here

**FREE GIFT CHOICE** HM00

### SPECIAL OFFER (PLEASE TICK)

	12 FOR THE PRICE OF 10	BEST OFFER - 24 FOR THE PRICE OF 19 PLUS FREE STOVE R MODEL
UK	12 issues <input type="checkbox"/> £39.50	24 issues <input type="checkbox"/> £75.00
Europe	12 issues <input type="checkbox"/> €57.99	24 issues <input type="checkbox"/> €104.99
USA	12 issues <input type="checkbox"/> \$83.00	24 issues <input type="checkbox"/> \$149.99
Rest of the World	12 issues <input type="checkbox"/> £50.00	24 issues <input type="checkbox"/> £91.00

### PAYMENT DETAILS

I enclose a cheque for £/\$/€ ..... made payable to Key Publishing Ltd

Please debit my Mastercard  Visa  for £ / € / \$ .....

Expiry date Security Code (3 digit code on reverse of card)

**OFFER CLOSE DATE: 30 APRIL 2015 PLEASE QUOTE: HM0415**

Signature ..... Today's date .....

### INSTRUCTION TO YOUR BANK OR BUILDING SOCIETY TO PAY BY DIRECT DEBIT

Please tick:  UK Direct Debit  Quarterly £8.99  Annually £37.50



Instruction to your bank or building society to pay by Direct Debit



Please fill in the form and send to:  
 Key Publishing Ltd, PO Box 300, Stamford, Lincolnshire, PE9 1NA, UK  
**Name and full postal address of your bank or building society**

To: The Manager	Bank/building society
Address	
Postcode	
Name(s) of account holder(s)	
Branch sort code	
Bank/building society account number	

**Service user number**  
 6 5 8 9 6 0

**Reference**

**Instruction to your bank or building society**  
 Please pay Key Publishing Ltd. Company Direct Debits from the account detailed in this instruction subject to the safeguards assured by the Direct Debit Guarantee. I understand that this instruction may remain with Key Publishing Ltd. and, if so, details will be passed electronically to my bank/building society.

Signature(s)

Date

Banks and building societies may not accept Direct Debit Instructions for some types of account.

## AMERICAN READERS

Readers in the USA may place orders by:  
 Telephone: Toll-free 800-428-3003 Fax: 757-428-6253  
 or by writing to: Hornby Magazine, 3330 Pacific Ave,  
 Ste 500, Virginia Beach, VA 23451-9828 ·  
 Alternatively, order online at  
[www.imsnews.com/hornbymag](http://www.imsnews.com/hornbymag)  
 quoting/entering code HM0415

**Direct Debit UK only. If paying by Direct Debit please send in form. Free gift available on UK Direct Debit orders only.**

Payments are accepted by Direct Debit, cheque, Postal Order, Credit Card and US Dollar check. Payments by credit or debit card will be shown on your statement as Key Publishing Ltd. Key Publishing will hold your details to process and fulfil your subscription order. Occasionally we may wish to contact you to notify you of special offers on products or events. If you do not wish to receive this information please tick here  or mention when calling. Gift subject to change. Any alternative gift will be of equal or higher value. Please note: Free gift is only available on Direct Debit with a minimum 2 year subscription. Should you cancel your subscription earlier than an invoice will be raised for the full price of the gift.

# Hornby 'J15' tru

The Great Eastern Railway's locomotives have been a missing link in ready-to-run circles, but that is no longer the case. Hornby's Worsdell 'J15' 0-6-0 is here and it's the first of two Great Eastern designs up for release in 2015...



**T**HE GREAT EASTERN Railway's (GER) locomotives have often been overlooked for ready-to-run models in favour of more widespread prototypes, but Hornby – which once produced the Holden 'B12' 4-6-0 – is putting this right with

the release of its Worsdell 'J15' 0-6-0. The 'J15' is the first of two GER based locomotives being produced by Hornby with the second, the 'D16/3' 4-4-0, due for release in May. Worsdell's plucky 0-6-0 was announced in Hornby's 2014 catalogue and has been eagerly

anticipated by modellers. The class was introduced in July 1883 and in total 259 were built making it the most numerous GER locomotive design. Originally designated as 'Y14' by Chief Mechanical Engineer T W Worsdell these 0-6-0s soon became the standard

freight engine of the GER and they continued in service under the London and North Eastern Railway (LNER) – when they were reclassified 'J15' – and later BR ownership with the last being withdrawn in September 1962. Happily 65462 has been



*“Like the Peppercorn 'K1' 2-6-0, the 'J15' represents a return to form for Hornby.”*

**MIKE WILD**

# ndles in!



## THE DETAILS

<b>Manufacturer:</b>	<i>www.hornby.com</i>
<b>Cat No:</b>	R3230
<b>Description:</b>	LNER 'J15' 0-6-0 7524, LNER black
<b>Cat No:</b>	R3231
<b>Description:</b>	LNER 'J15' 0-6-0 65356, BR black, early crests
<b>Cat No:</b>	R3232
<b>Description:</b>	LNER 'J15' 0-6-0 65445, BR black, late crests
<b>Scale:</b>	'OO'
<b>Price:</b>	£109.99
<b>Era:</b>	3, 4 and 5 respectively
<b>DCC:</b>	DCC ready, 8-pin socket
<b>Couplings:</b>	Small tension locks in NEM pockets

preserved and it is based at the North Norfolk Railway, Sheringham, where it is currently undergoing a major overhaul following expiry of its 10 year boiler certificate in May 2013. For more on the history of the 'J15' 0-6-0s see Reality Check on pages 66-69.

### THE MODEL

Like the recently released Peppercorn 'K1' 2-6-0, the 'J15' represents a return to form for Hornby. Gone are the simplified designs prevalent in the 'P2' and 'Hall' models and in their place is a full blooded, top of the range detailed

model of a superb prototype.

Three versions of the 'J15' are being released covering 7524 in LNER black, 65356 in BR black with early crests and 65445 in BR black with late crests. Each one exhibits small detail differences in the provision of bufferbeam

pipework with 65445 being the most obviously different through fitment of a Westinghouse air pump alongside the firebox. 7524 also has an original, lower, cab roof too.

The 'J15s' were comparatively small locomotives and Hornby has captured their diminutive look >>



**Three versions, all with detail differences impressively captured.**



*“The result is a striking interior with everything that you would expect to find on the footplate.”*

**MIKE WILD**



well. However, it has called for a change in materials and while we are well versed in Hornby's skills with plastic bodysells this model actually features a die-cast metal body to give it the necessary weight for adhesion. This hasn't been at any reduction in detail though and Hornby has done a superb job not just in replicating the shape of the 'J15', but also in crafting the small details in cast metal. These include fine riveting around the smokebox, boiler cladding joints, smokebox door fittings and more.

What is particularly noticeable is the volume of separately fitted components. The smokebox dart is a neat separate fitting while all handrails are superb fine wire items. The safety valves and whistle are separate items together with the reversing rod (including variants), air pump (on 65445 only), clack valves, lamp irons and sprung buffers.

Being an open cab locomotive there was only one option for



Hornby – full interior detail. Happily it has done just that and the result is a striking interior with everything that you would expect to find on the footplate of the real locomotive including a screw reverser, regulator and gauge glass.

The tender is a brand new tooling and captures the looks and details of the Great Eastern prototype superbly. It features a handbrake, locker and fire iron storage, but the moulded coal loads – as good as they are – appeared to be fixed in place on our samples. The outward design and moulding is

excellent together with the highly detailed underframe. Sprung buffers and substantial guards irons complete the rear of the tender.

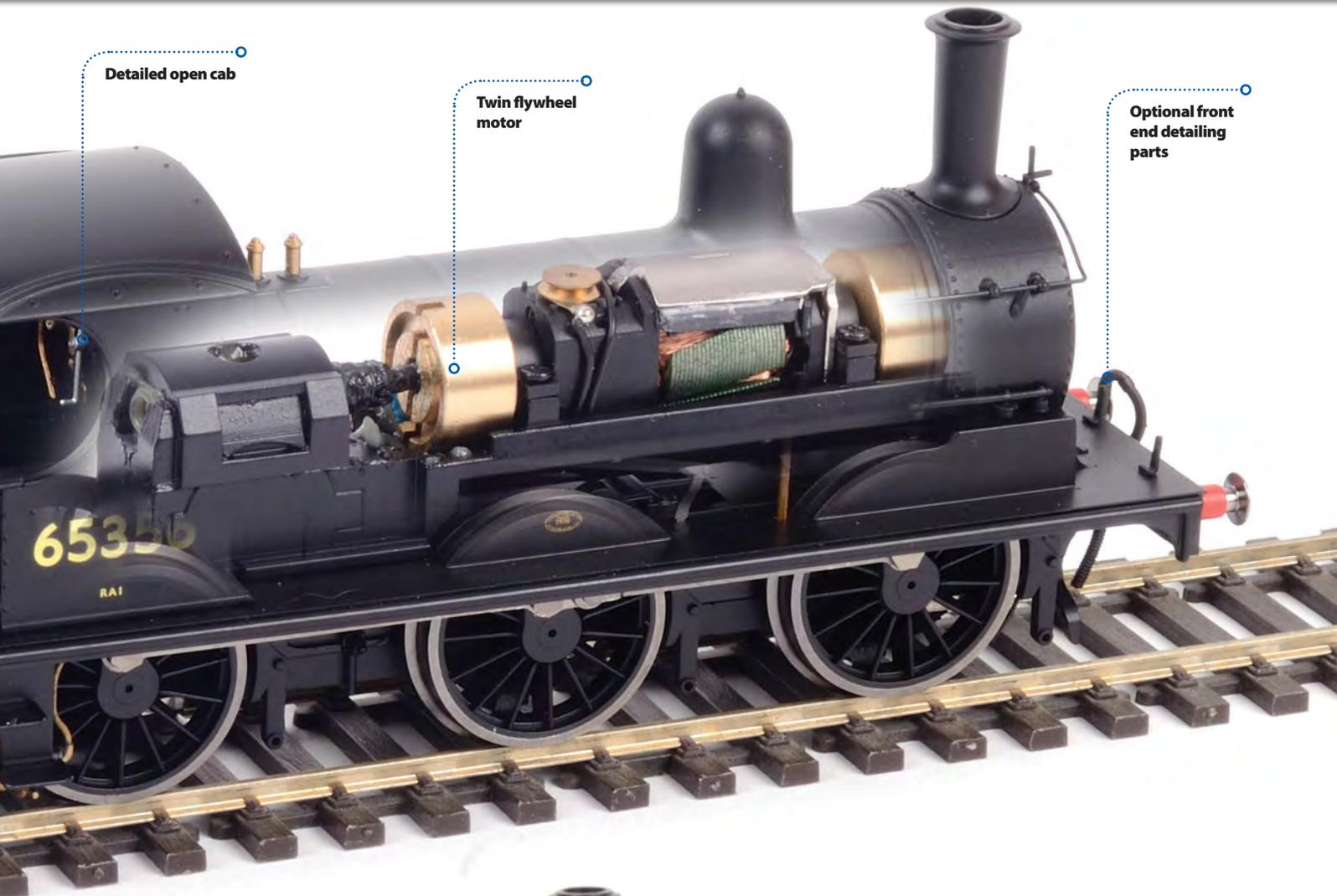
In terms of livery there aren't many choices of colour when it comes to the 'J15'. Black is the only base for all three of our samples which featured an excellent standard of satin finish topped off with red bufferbeams, fine printing of the smokebox and cabside numbers plus superbly reproduced LNER lettering and BR crests.

Completing the 'J15' package is a set of detailing components for

the bufferbeams and underframe including brake rigging for the locomotive and tender plus a differing selection of pipework to suit the various configurations of brake type and, where appropriate, steam heating.

## PERFORMANCE

Straight from the box our samples proved to be smooth running, quiet and quality performers and this only improved with running in. The motor, with its twin flywheels and geartrain to the rear driving wheels, is a superb piece of kit and



Detailed open cab

Twin flywheel motor

Optional front end detailing parts

65356

RAI

The cab interior is fabulous - amongst the best in 'OO' gauge.

all three ran like sewing machines.

Load tests consisted of a 30 wagon goods which all three handled without hesitation on our level test track while also proving capable of restarting the train on a second radius curve. Performance through pointwork showed no issues either.

The tender of the 'J15' is equipped with an 8-pin DCC decoder socket positioned to the rear. There is also space in the tender weight to install a 28mm round speaker for those wishing to add sound, although overall space is naturally at a premium in the compact confines of the tender. However, it is perfectly possible to install sound with the right choice of decoder and speaker.

## OVERALL

The 'J15' is a delightful engine and Hornby's choice to model this Great Eastern prototype is excellent for all. The charm of these locomotives comes from their ancient design styles and Hornby has reflected

that superbly in its model.

As ready-to-run models go the 'J15' is right up there with the best of them and, just like the 'K1' (HM92) shows that Hornby is firmly back on track with model production. Excellent and available now. (MW)



65356

RAI

# *The Great Eastern's* **GREAT 'J15s'**

Many good locomotive designs were born out of necessity rather than a desire to progress science, and few more so than the humble 'J15' 0-6-0s which served the East of England well for more than 70 years, as **EVAN GREEN-HUGHES** explains.

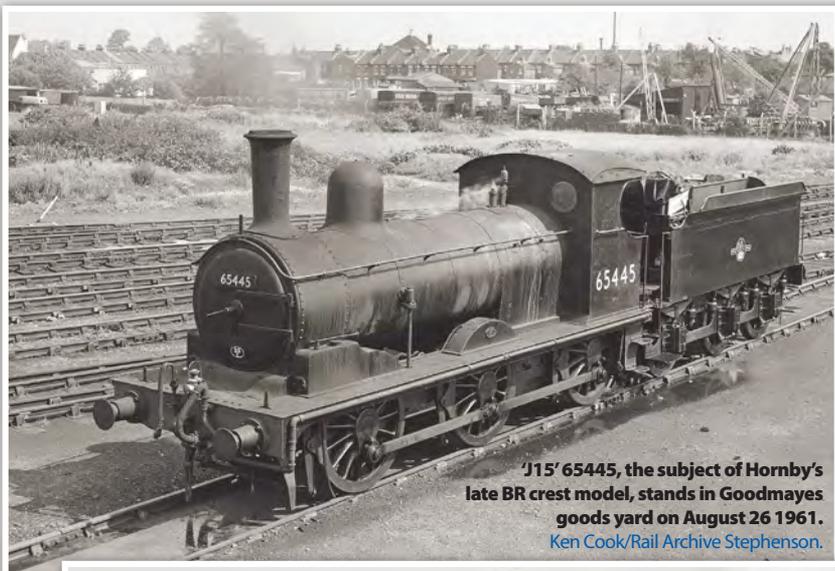
**Worsell 'J15' 0-6-0  
65448 departs  
Cambridge with a  
Colchester train on  
August 24 1957.**  
[Gordon Hepburn/Rail  
Archive Stephenson.](#)



**D**URING THE MIDDLE years of the 19<sup>th</sup> century the Great Eastern Railway (GER) held an ambition to have its own route from East Anglia to Doncaster.

Such a route would enable the company to access the valuable flow of freight traffic from the North of England and potentially turn round the fortunes of the company. This ambition was realised when, in 1882, a joint line was opened in conjunction with the Great Northern Railway, a development which almost overnight caused a massive rise in the amount of goods traffic carried by the GER.

Prior to this date the company only had 15 2-6-0s, a few 4-4-0s and a rag-tag collection of small contractor-built 0-6-0s to handle its goods traffic and the sudden influx of work arising from the opening of the joint line found the GER desperately short of motive power. To meet this requirement recently appointed Locomotive Superintendent TW Worsdell quickly drew up a workmanlike and simple engine that owed much to the experience he had picked up during his 10 years at the London and North Western's Crewe works. The first of what was to become the 'J15s' arrived in July 1883 and proved itself capable of replacing any of the locomotives that



'J15' 65445, the subject of Hornby's late BR crest model, stands in Goodmayes goods yard on August 26 1961. Ken Cook/Rail Archive Stephenson.

Ex-works 'J15' 65464 stands on Stratford shed on May 18 1957 clearly showing the Westinghouse air brake pump on the running plate. J.F. Davies/Rail Archive Stephenson.



## FACTS AND FIGURES

<b>Designer:</b>	TW Worsdell
<b>Built:</b>	1883-1913
<b>Withdrawn:</b>	1922-1962
<b>Number built:</b>	289
<b>Builder:</b>	GER Stratford (270) Sharp Stewart and Co (19)
<b>Purpose:</b>	Goods
<b>Power classification:</b>	1P/2F
<b>Wheel arrangement:</b>	0-6-0
<b>Weight (locomotive):</b>	37tons 2cwt
<b>Weight (tender):</b>	30tons 13cwt
<b>Max axle weight:</b>	13tons 10cwt
<b>Brakes:</b>	Loco steam brake (all) Train brakes (some air/ vacuum) final 40 of class
<b>Driving wheel diameter:</b>	4ft 11in
<b>Overall Length:</b>	47ft 3in
<b>Boiler:</b>	Parallel 4ft 4in
<b>Boiler pressure:</b>	160psi
<b>Cylinders:</b>	2 inside
<b>Size:</b>	17½ in x 24in
<b>Valve gear:</b>	Stephenson – slide valves
<b>Tractive effort:</b>	16,942lbs
<b>Coal capacity:</b>	5 tons
<b>Water capacity:</b>	2,640 gallons



had preceded it. So good, in fact, was the basic concept that the 'J15s' were built for a total of 30 years with 289 constructed, some lasting until British Railways days.

## VARIATIONS

As might have been expected with such a large class there were many variations between batches and between individual locomotives. The first 'J15s' were fitted with a boiler that had the dome on the middle ring and with a working pressure of 140psi, a level fire grate and 223 tubes. After 1886 the number of tubes was increased to 256 but after 1893 the opportunity was taken to redesign the boiler so it had two rings instead of three and to reposition the dome further forward so that it sat almost behind the chimney, a feature which made the class simple to identify.

Boilers built to this pattern from 1896 had the working pressure raised to 160psi and this specification became the norm after that date, with earlier engines being re-boilered to the later standard as required. A further design change took place in 1899 when the construction of the boiler was amended to include two telescopic rings with 250 tubes and in 1907 another new tube arrangement was adopted, with differences in positioning. Additional strengthening was added to the design in 1914. Sloping

fire grates were fitted after 1891.

Changes were also made to the valve gear in 1891, with the expansion links gaining an additional support and the thickness of the tyres being increased by ½in, thus raising the driving wheel diameter from 4ft 10in to 4ft 11in. Early engines had unbalanced cast iron wheels, while a batch built at contractors Sharp, Stewart had wheels made of wrought iron. Plain coupling rods were fitted until 1906 but then fluted rods were used, but these were interchanged between class members at random in later years. Heavier smokebox doors were introduced from 1915 and there were many differences in handrails on both locomotives and tenders. Several different types of chimney were used at various stages in the 'J15s' history.

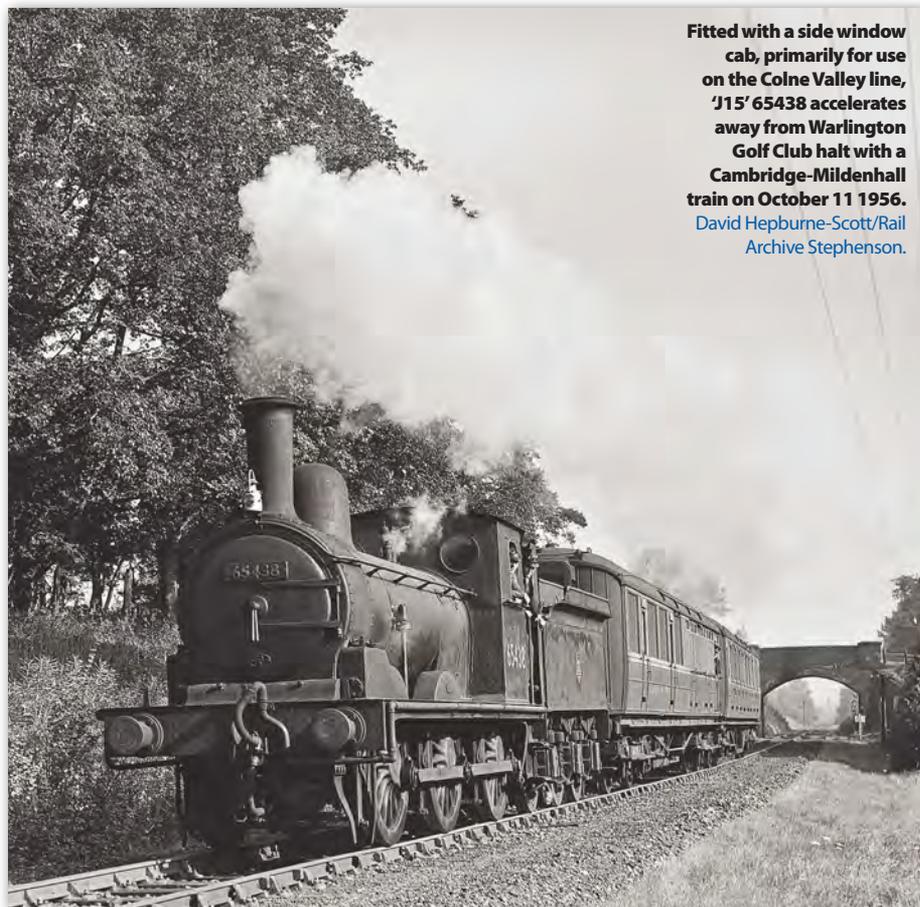
Engines built between 1883 and 1892 were only fitted with hand brakes on the tender but the Sharp, Stewart batch had the steam brake acting on both locomotive and tender. From 1899 new builds had the steam brake as standard and this was retrospectively fitted to older engines in due course. The final 40 were also fitted with train brakes - some were equipped with air and vacuum brakes while five had the Westinghouse air brake only. These were subsequently fitted with vacuum brake apparatus as well. Some locomotives were fitted with balanced wheels and train brake equipment for use

on branch lines between 1932-1935.

During the 1921 coal strike ten 'J15s' were fitted for oil burning but this arrangement only lasted for a short while before conversion back to standard took place. In London and North Eastern Railway (LNER) days, starting around 1933, the wooden cab roofs were replaced by steel ones which were slightly higher and in 1934/1935 five of the class were fitted with completely new cabs with side windows and tenders with a weatherboard for working the Colne Valley line, which had no turntable. These five were also fitted with balanced wheels, train vacuum equipment and steam heating hoses to enable them to work passenger trains. Tripcock apparatus was fitted to 12 of the dual braked engines in 1939-1941 to enable their use over London Transport lines in case of emergency; these were later used between Leytonstone, Epping and Ongar.

All the 'J15s' were built at Stratford, except for a batch built by Sharp Stewart in 1884, and there were 27 batches built under the direction of four locomotive superintendents. In 1913 one locomotive, 930, was assembled in the remarkable time of nine hours and 45 minutes, a record that still stands today and which halved the previous attempt of 25 hours 30 minutes which had been held by Crewe Works for the assembly of a Webb 0-6-0 goods engine.

In 1937 'J15' 0-6-0 7538 exits Ipswich tunnel with an up permanent way train. George Griggs/Rail Archive Stephenson.



Fitted with a side window cab, primarily for use on the Colne Valley line, 'J15' 65438 accelerates away from Warlington Golf Club halt with a Cambridge-Mildenhall train on October 11 1956. David Hepburne-Scott/Rail Archive Stephenson.

**NUMBER SERIES (IN BUILD ORDER)**

<b>1924</b>	7610-618/620-623/625/627/628-636/638-639/7037-039/7600/7119-122/124/7592-99 7680-686/7688-695/696-699/7609/7801-803/805-807/809-821/823-829/7527-541 7830-7881/883/886-934/936-945/7507-526/7640-649/7552-7571/7542-551
<b>1946</b>	5350-5479 (129 survivors)
<b>1948</b>	65350-65479 (some never carried)

**OVERSEAS**

Whilst going about their daily business the 'J15s' attracted little attention but this was not the case when on September 25 1900 GER 522's boiler exploded at Westerfield in Suffolk. The locomotive had been working the 7.15am Ipswich-Felixstowe goods when it was shunted off the main line to allow an express to pass. The boiler parted company with the frames and ended up 95ft away at the end of the platform, killing the crew. A subsequent Board of Trade enquiry noted that there had been many problems with this boiler which had been reported by drivers on almost a daily basis.

During the First World War 43 'J15s' were loaned to the Government for service overseas. These were fitted with water lifting apparatus, heavier bufferbeams and uprated drawgear. They served in France and Belgium and all survived the conflict to be returned to the GER, although one of them, 513, was sufficiently badly damaged for it to be withdrawn. A further 16 of the class were taken out of service before the 1923 grouping, leaving 272 of these versatile little engines to pass into use with the LNER.

By this stage the heaviest duties had passed to larger engines, such as the larger 'J16' 0-6-0s, but there was still plenty of work for the survivors on lighter trains and branch duties. Those fitted with train

brakes also found use on excursion and special passenger trains, but were gradually displaced by larger designs such as the 'J39' 0-6-0s, meaning that the number in use declined to 127 by the time that British Railways came into being in 1948. That year was to see a notable first when 65448 was called up from its duties as Chelmsford Yard Pilot to work the 'East Anglian' express which it successfully did all the way to London, complete with headboard.

**LONE SURVIVOR**

A steady rundown of the class took place over the following years, but four were still on the books on September 16 1962 when the remaining GER locomotives were due to be taken out of service. Three of them – 65462, 65464 and 65465 - were from the dual braked series while 65361 was a steam braked example. Of these 65462 was to be the only survivor, being purchased in 1963 by the M&GN Joint Railway Society, along with 'B12' 4-6-0 61572, and subsequently moved to the North Norfolk Railway where it worked from 1977 to 1989 before withdrawal for restoration. Steamed again in 2002, it travelled extensively though remained based at the North Norfolk before being taken out of service for a second time in May 2013 and sent to Bury for heavy general overhaul, where it currently remains.

The preserved engine was not, however, the only one to see further use after railway service. Two of the class, 7835/7541, were sold in 1936 to London Film Productions of Denham studios where they were mocked up to represent Russian locomotives and used in a production called *Knights without Armour*. They then passed to the War Department as 212/221 and ended up on the Shropshire and Montgomeryshire Railway until 1944 when they were returned to Stratford for scrapping.

In 1938 another locomotive 7690 was sold to Baird and Co and travelled under its own steam to the Gartsherrie Iron Works, North Lanarkshire, Scotland, where it was given the number 1 and remained at work there until 1960, before being scrapped on site. A further 'J15' also appeared in a film, though this time in 1953 while still in British Railways service when 65464 starred in *O'Leary's Night* for which assignment it received the Irish Railways tender emblem, something which remained with it for some months after the filming finished.

Despite its mundane origins and the routine nature of the work for which it was intended the 'J15s' has an interesting history. That plus the fact that it was so long-lived is sure to give the class a prominent place in the affections of both modellers and enthusiasts alike. [B&N](#)



# Terrific 'Tube'

**B**ACHMANN'S prolific 'OO' gauge rolling stock fleet is bolstered with the release of this newly tooled BR 22ton tube batten wagon.

More than 2,300 tube wagons were built by British Railways during the 1950s and early 1960s for carrying steel tubes and other long loads, some lasting in departmental service into the 1980s. Built at Darlington in 1955 to diagram 1/448 our review

sample represents B732395 in early BR bauxite livery.

Bachmann's prices have risen sharply recently, with this latest example costing just shy of £25, but for that you are getting a hi-fidelity finely moulded model. Bachmann has captured the look of the 32ft long prototype well with crisp bodyside planks, hinged door and chain detail, corrugated metal ends and plenty of rivet detail while the distinctive battens used to raise the load off the wagon

## Bachmann's 'Flockton Flyer' lands in the shops

### THE DETAILS

<b>Manufacturer:</b>	www.bachmann.co.uk
<b>Cat No:</b>	31-637
<b>Description:</b>	GWR '64XX' 0-6-0PT 6412, BR lined green with late crests
<b>Price:</b>	£81.95
<b>Scale:</b>	'OO'
<b>Era:</b>	5
<b>DCC:</b>	DCC ready, 6-pin socket
<b>Couplings:</b>	Small tension locks in NEM pockets

Bachmann's 'OO' gauge Collett '64XX' 0-6-0PT (HM93) is now available in BR lined green livery with late crests.

Finished as 6412, the prototype was built at the Great Western Railway's Swindon Works in 1934 and is one of three in preservation. This particular locomotive gained fame in the 1970s as the star of children's television programme *The Flockton Flyer*. This latest variant bears all the hallmarks of the initial release featuring a wealth

of detail and runs superbly.

As you'd expect, the decoration on Bachmann's '64XX' is nothing short of exemplary with a high quality satin BR green paint finish and crisply printed orange, black, orange lining around the cab, bunker and pannier tanks on both sides. The front is finished in black and features neatly printed smokebox numberplate and Newport Ebbw Junction (86A) shedplate.

Excellent and available now. (MC)





floor feature inside. Other smart touches include separately fitted etched metal lamp irons, picked out in white, and door stops. The underframe is equally well executed with fine brake levers, brake rigging, in-line brake shoes and metal buffers as well as exquisite axlebox and spring detail.

Application of the simple early BR bauxite livery is superb, our sample featuring a smooth satin paint finish and crisply applied wagon markings. Small tension lock couplings fitted in NEM pockets and turned metal wheels complete this impressive package. (MC)

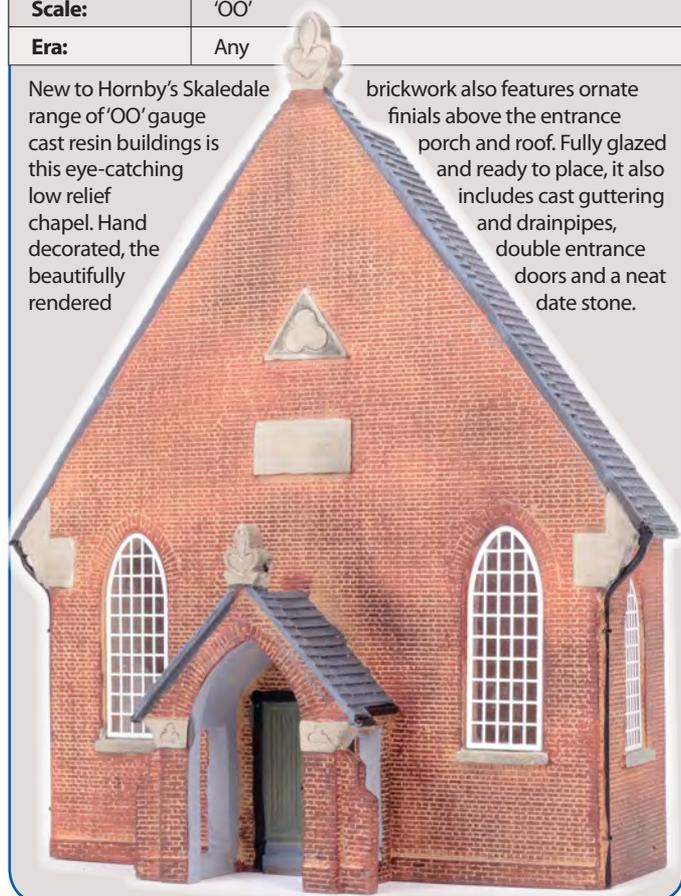
THE DETAILS	
<b>Manufacturer:</b>	<i>www.bachmann.co.uk</i>
<b>Cat No:</b>	38-751
<b>Description:</b>	22ton tube wagon, BR bauxite (early) livery
<b>Price:</b>	£24.95
<b>Scale:</b>	'OO'
<b>Era:</b>	4
<b>Couplings:</b>	Small tension locks in NEM pockets

# Hornby Chapel

THE DETAILS	
<b>Manufacturer:</b>	<i>www.hornby.com</i>
<b>Cat No:</b>	R9757
<b>Description:</b>	Low relief Chapel
<b>Price:</b>	£22.99
<b>Scale:</b>	'OO'
<b>Era:</b>	Any

New to Hornby's Skaledale range of 'OO' gauge cast resin buildings is this eye-catching low relief chapel. Hand decorated, the beautifully rendered

brickwork also features ornate finials above the entrance porch and roof. Fully glazed and ready to place, it also includes cast guttering and drainpipes, double entrance doors and a neat date stone.



# Bachmann weathers 20 ton brake

Bachmann's 'OO' gauge 20ton brake van has returned with a new running number and a weathered finish. Decorated in BR bauxite as B951054 delivers a highly useful prototype. (MC)



THE DETAILS	
<b>Manufacturer:</b>	<i>www.bachmann.co.uk</i>
<b>Cat No:</b>	37-531
<b>Description:</b>	20ton brake van, weathered BR bauxite
<b>Price:</b>	£20.95
<b>Scale:</b>	'OO'
<b>Era:</b>	4/5
<b>Couplings:</b>	Small tension locks in NEM pockets

# Blue and grey Mk 3 buffet



THE DETAILS	
<b>Manufacturer:</b>	<i>www.hornby.com</i>
<b>Cat No:</b>	R4603
<b>Description:</b>	BR Mk 3 Trailer Buffet Second (TRSB) W40008, BR blue and grey livery
<b>Price:</b>	£28.49
<b>Scale:</b>	'OO'
<b>Era:</b>	7

# Bachmann's Billinton 'E4' is brilli



*"This model certainly captures the outward appearance of the 'E4'."*

MIKE WILD



**P**RE-GROUPING Southern steam has been popular of late and the latest arrival is Bachmann's eagerly awaited model of the Billinton 'E4' 0-6-2T. It joins the 'C' 0-6-0, 'A1X' 0-6-0T, 'M7' 0-4-4T, 'T9' 4-4-0 and '0298' 2-4-0WT to represent the pre-grouping Southern English steam and will be complemented by models of the Drummond '700' 0-6-0, Adams '0415' 4-4-2T, Billinton 'H2' 4-4-2, Adams 'B4' 0-4-0T and Adams 'O2' 0-4-4T in the fullness of time.

The 'E4s' were designed by London, Brighton & South Coast Railway (LBSCR) Chief Locomotive

Engineer RJ Billinton with the first entering traffic in 1897. The design was a modified version of the 'E3' 0-6-2T and featured larger 5ft diameter driving wheels and a higher pitched boiler running at 160lb/sq in.

75 were built at the LBSCR's Brighton Works and initially they served on London commuter traffic. The spread of electrification in the South saw the fleet relegated to country areas while in their final days the remaining locomotives were concentrated on shunting and empty stock workings.

The last of the class were

withdrawn in June 1963, but one, 32473, was saved for preservation at the Bluebell Railway where it is currently in service as 473 in Southern Railway olive green livery.

## THE MODEL

The 'E4' 0-6-2Ts are delightful locomotives and Bachmann is releasing four versions of the 'E4' initially covering 579 in LBSCR umber, 473 in Southern Railway green, 32500 in BR lined black and late crests and our review subject 32556 in plain BR black with small early crests.

Plain black was applied to the

majority of the 'E4' class in BR ownership with only a small part of the fleet receiving lined black. The satin finish applied by Bachmann suits the model well and is embellished with all the details that we would expect for a steam locomotive including red bufferbeams, white smokebox numbers, neatly produced crests on the tank sides and cream numbers on the bunker side.

As delivered this model certainly captures the outward appearance of the 'E4' design with its high pitched boiler protruding beyond the smokebox saddle contained either side by a pair of short side

# ant!

The Billinton 'E4' 0-6-2Ts were introduced in the Victorian era yet their outward appearance is much more modern at first glance. **MIKEWILD** takes a closer look at the latest addition to Bachmann's portfolio of 'OO' ready-to-run models.

## THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.bachmann.co.uk">www.bachmann.co.uk</a>
<b>Cat No:</b>	35-077
<b>Description:</b>	LBSCR 'E4' 0-6-2T 32556, BR black
<b>Scale:</b>	'OO'
<b>Price:</b>	£99.95
<b>Era:</b>	4
<b>DCC:</b>	DCC ready, 6-pin socket
<b>Couplings:</b>	Small tension locks in NEM pockets



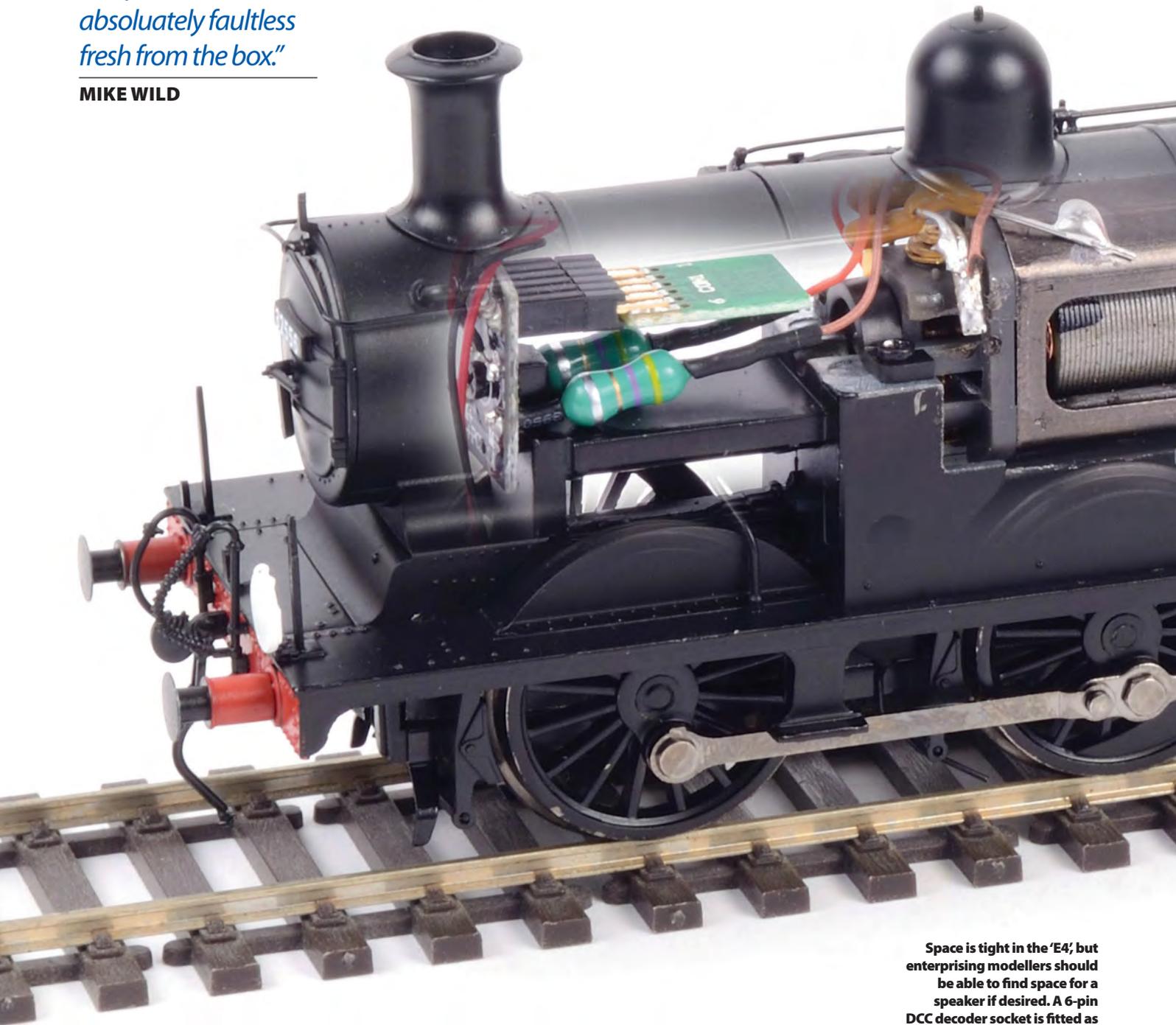
tanks. Add to this a correctly proportioned chimney, dome and safety valve assembly and you have a highly convincing package.

With the model Bachmann includes a comprehensive set of bufferbeam detailing components. A full set including the dummy screw link can be fitted by removing the tension lock coupling, but if you are prepared to cut the links of the dummy screw coupling a full set of pipework can be fitted at both ends while retaining the factory fitted couplings. This makes all the difference as without these fittings there are a number of locating holes showing in the bufferbeam. >>



*“The mechanism in our sample of the ‘E4’ was absolutely faultless fresh from the box.”*

**MIKE WILD**



**Space is tight in the ‘E4’, but enterprising modellers should be able to find space for a speaker if desired. A 6-pin DCC decoder socket is fitted as standard to the new 0-6-2T.**

Also included – and particularly useful for Southern Region modellers – is a plentiful supply of Southern Region headcode discs. These have slots in the rear to assist with locating them on the seven lamp irons provided at each end of the locomotive – the front lamp irons being particularly well done.

Moving along the locomotive Bachmann hasn’t missed a thing when it comes to the pipework and details while separately fitted wire handrails are fitted too. On top of the cab is a turned metal whistle – a component which needs to be treated with care – while the

cab interior is fully detailed and features a fantastically detailed firebox backhead. Immediately behind the cab is a removable coal load in the bunker while the rear ‘windows’ feature finely produced protective bars.

The underframe of the ‘E4’ is just as well detailed as the rest of the locomotive with full brake rigging being complemented by finely produced driving wheels, sandpipes and injector pipework. Guard irons are also provided front and rear while the rear Radial truck steers neatly without interfering with the rear coupling.

## PERFORMANCE

The mechanism in our sample of the ‘E4’ was absolutely faultless fresh from the box. After a period of initial running in – 30 minutes unloaded in each direction to bed in the mechanism – we subjected it to a series of load tests which proved that this model has plenty of capacity for the vast majority of layouts. In total we loaded it with eight BR Mk 1s – a load that the class would only have come into contact with during carriage shunting – although it was more comfortable with six carriages for continuous running.

The control offered through this model is excellent too – both under analogue and digital control – with smooth transitions throughout the speed range and fine slow speed control. The model also proved more than capable of handling a range of pointwork including large and medium radius straight points as well as large radius curves both in forwards and reverse directions.

The chassis is factory fitted with a 6-pin DCC decoder socket. DCC sound fitting will present a challenge though as there is only limited space available inside the boiler and even the bunker is filled



Below: Exquisite detailing means that even plain black looks good on these elegant machines.

with weight below the removable coal load. The only potential space is inside the cab, but this will take care and patience to achieve without such an installation having an obvious visual impact.

### OVERALL

Tank engines are an essential part of the railway scene and to see Bachmann turn attention to the 'E4' is great news for Southern Railway and Southern Region modellers.

Recent releases have proved the popularity of the Southern – particularly the Wainwright 'C' 0-6-0 – and we are certain that this new model of the 'E4' will continue and bolster that trend.

As a model there is no questioning the merit, quality and performance of the new 'E4'. It delivers on all fronts and is an excellent addition to the Bachmann range. (MW)

# Dapol shows its potential with **MAUNSELL CARRIAGES**

The Southern Railway's attractive Maunsell designed carriages are the subject of Dapol's new range of 'N' gauge carriages. **MIKE WILD** takes a closer look at these new models.



**1**



**2**



**3**

**1** The Brake Third has a correct stepped in guards compartment.

**2** The First Corridor with full Southern Railway lining.

**3** The Corridor Composite features exquisite printed detail.

**4** The new Maunsell Van C is a delightful model for 'N' gauge.



**4**

Each vehicle includes an appropriate interior and provision for adding a Dapol light bar.



**I**N FEBRUARY the first of Dapol's long awaited models of the Maunsell carriage family touched down offering Southern Railway modellers a brand new choice of ready-to-run rolling stock suitable for the 1930s and 1940s.

Produced to exacting standards and featuring novel details the new range of carriages is being released as a six compartment Brake Third, a Corridor Third and a Corridor Composite with the add on bonus of a brand new model of the Maunsell Van C four-wheel parcels luggage van.

The first wave of releases is only available in the smart lined Southern Railway olive green livery. Application shows true potential for Dapol with the gold lining being flawless on all our samples – impressive considering the number of lining elements and the widths involved. Add to this detailed markings for First and Third classes, Southern Railway lettering, no smoking logos in the windows and grabrails picked out

in matching gold the appearance of these carriages is quite striking.

The vehicles themselves offer fine representations of the prototypes. The body profile reflects the real vehicles well - although perhaps a touch too flat in the sides - and there is no mistaking what Dapol has set out to produce. Importantly the Brake Third correctly has a stepped in section for the guard and luggage compartment while window arrangements accurately model the side corridor arrangement of these vehicles.

The underframe is superbly detailed with finely detailed bogies sitting either side of the truss frames, battery boxes, dynamo and brake reservoir. That isn't all though as the bogies are fitted with pinpoint pick-ups to allow Dapol's light bars to be installed in these vehicles by unclipping the body from the chassis.

The best bit though, perhaps, is the new gangway design that Dapol has developed for these carriages. The gangways on each carriage can be expanded and a

THE DETAILS	
<b>Manufacturer:</b>	<a href="http://www.dapol.co.uk">www.dapol.co.uk</a>
<b>Cat No:</b>	2P-012-001 (Corridor First), 2P-012-051 (Brake Third), 2P-012-151 (Corridor Composite), 2P-012-200 (Van C)
<b>Description:</b>	Maunsell carriages and Van C, Southern Railway olive green
<b>Scale:</b>	'N'
<b>Price:</b>	£23.95 (carriages), £15.70 (Van C)
<b>Era:</b>	3
<b>Couplings:</b>	Rapido couplings in NEM pockets

plastic block supplied with each one can be inserted. Coupling a second carriage up with the gangway extended means that there is no daylight between the corridor connections which makes for an impressive sight in a rake running together. For those with generous curves close couplings are included with each vehicle which can be swapped simply.

Completing the line up of new Maunsell stock is the Van C – another superb production from Dapol with an impressive level of detail. It features free running metal

wheels and NEM coupling pockets while the door, plank and chassis detail on this model is quite simply stunning. It is a great addition to the range of parcels stock for 'N' gauge and complements the previously released Southern Railway CCT van from Dapol.

The new Maunsell carriages are well thought out additions to the Dapol range and while the Southern Railway olive green livery looks superb, Dapol has also told *Hornby Magazine* these will be made available in BR Southern Region green too... (MW)



# Dapol upgrades 'Britannia'



THE DETAILS	
<b>Manufacturer:</b>	<a href="http://www.dapol.co.uk">www.dapol.co.uk</a>
<b>Cat No:</b>	2S-017-003
<b>Description:</b>	BR 'Britannia' 4-6-2 70015 <i>Apollo</i> , BR lined green
<b>Scale:</b>	'N'
<b>Price:</b>	£129.95
<b>Era:</b>	4
<b>DCC:</b>	DCC ready, 6-pin socket
<b>Couplings:</b>	Rapido couplings in NEM pockets

**A** NEW BATCH of BR 'Britannias' has been issued by Dapol offering upgrades over previous batches. For review we received a sample of 70015

*Apollo* in BR lined green with early crests on the tender. The upgraded 'Britannia' now features black wheel centres and hexagonal screws on the motion – rather than the crosshead screw

fittings originally provided on the 'Brits' from Dapol. Small as these upgrades may seem they do make a significant impact upon the appearance of the model with the black wheel

centres on the driving wheels looking particularly smart. Otherwise the model is as produced before by Dapol and features a highly detailed and accurate body, finely produced

# Stanier 'Black Five' is back in 'N'

Bachmann has delivered a new version of its popular Stanier 'Black Five' 4-6-0 for 'N' gauge in London Midland & Scottish Railway (LMS) black as 5190. This is one of two new 'Black Fives' due to reach the shops during February and March – the second being 45206 in BR lined black.

The LMS 4-6-0 was first released by Bachmann for the Graham Farish range in 2010 (HM36) and employed the manufacturer's tender drive mechanism with the locomotive wheels being free running and providing additional electrical pick-ups. This mechanism has now been superseded by the coreless motor being used in

models such as the recent '4F' 0-6-0 and 'Duchess' 4-6-2. On the track our sample was a little difficult at first, requiring oiling of the motion to make it free running. The tender drive mechanism also needed running in, but once it had completed this phase it settled down to become a smooth running model with ample haulage capacity. A 6-pin decoder socket is fitted in the tender, which is easily accessed by removing the cast metal coal load. The outward looks of the 'Black Five' are certainly captured well with this model and it can be enhanced further with addition of bufferbeam detail fittings and

THE DETAILS	
<b>Manufacturer:</b>	<a href="http://www.bachmann.co.uk">www.bachmann.co.uk</a>
<b>Cat No:</b>	372-138
<b>Description:</b>	LMS 'Black Five' 4-6-0 5190, LMS black
<b>Scale:</b>	'N'
<b>Price:</b>	£129.95
<b>Era:</b>	3
<b>DCC:</b>	DCC ready, 6-pin socket
<b>Couplings:</b>	Rapido couplings in NEM pockets

a front bogie with scale wheels – the latter makes a huge difference to the model's appearance. The return of the 'Black Five' for 'N' gauge is great news – and especially with so many

LMS models reaching the shops of late. Just like the '4F', (HM93) no LMS layout can be complete without at least one of these mixed traffic go anywhere Stanier 4-6-0s. (MW)





valve gear and a close coupled tender through a reduction in the height of the tender body.

On the track our sample proved to be an excellent performer. Following customary oiling –

essential for all Dapol models before use as detailed in the instruction sheet – we left it to run in after which it proved plenty capable of handling an eight coach train. A 6-pin

decoder socket is provided in the tender, but careful decoder choice will be required to ensure that it fits within the tight confines available.

The 'Britannias' are great looking

locomotives and Dapol's model does due justice to these 1950s BR Standards – and even more so with the upgrades to the wheels and motion. Excellent and available now. (MW)

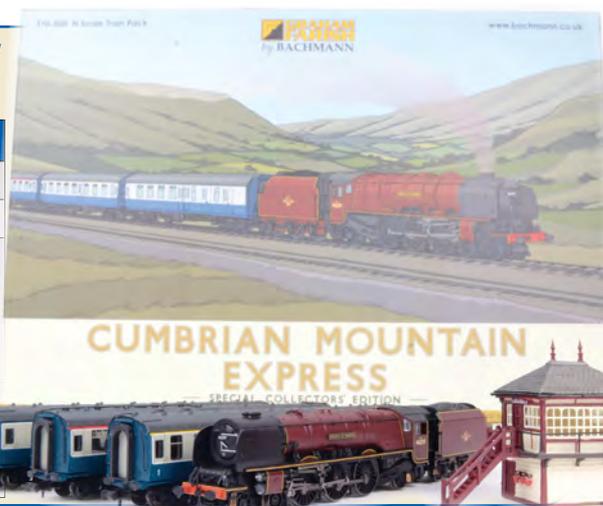
## 'Cumbrian Mountain Express'

Stanier 'Duchess' 4-6-2 46229 *Duchess of Hamilton* is the signature of this new train pack from Bachmann based on the famous 'Cumbrian Mountain Express' of the 1980s

Featuring the manufacturer's new 'Duchess' (HM91), three top of the range Mk 1 carriages and a cast resin model of Ais Gill signalbox this pack is an attractive proposition – and especially at the amazing value price of under £150 for the full pack! (MW)

### THE DETAILS

<b>Manufacturer:</b>	www.bachmann.co.uk
<b>Cat No:</b>	370-500
<b>Description:</b>	'Cumbrian Mountain Express' train pack featuring 'Duchess' 46229 <i>Duchess of Hamilton</i> , three BR Mk 1s and Ais Gill signalbox
<b>Scale:</b>	'N'
<b>Price:</b>	£149.95
<b>Era:</b>	8



## Southern box vans

### THE DETAILS

<b>Manufacturer:</b>	www.bachmann.co.uk
<b>Cat No:</b>	37-428
<b>Description:</b>	12ton Southern 2+2 plank ventilated van, GWR grey
<b>Cat No:</b>	37-427
<b>Description:</b>	12ton Southern 2+2 plank ventilated van, BR bauxite
<b>Price:</b>	£15.75
<b>Scale:</b>	'N'
<b>Era:</b>	3 and 4/5 respectively



New from Bachmann's Graham Farish range are these Southern Railway 12ton ventilated vans for 'N' gauge.

These vans are produced to a very high standard and capture the distinctive look of the 1930s-built prototypes well. The 2+2 planking is superbly crafted together with much of the smaller detail. The fully detailed underframe features brake levers, in-line brake shoes and neatly printed legible builder's plates.

Livery decoration on both models is up to the high standards we expect from Bachmann with neatly printed numbers and lettering. Fitted with short arm couplings in NEM pockets and turned metal wheels, the model also includes dummy coupling hooks to fit if desired.

These super new releases were a prevalent prototype and are sure to prove popular with 'N' gauge modellers, adding more variety to steam era goods trains. (MC)

NEW

# BRUSH TYPE 2

The versatile Class 31 is the latest diesel-electric to be revisited in 'N' gauge by Bachmann. **MIKE WILD** takes a closer look at this brand new model of the popular class.



**T**HEY MIGHT not have had the glamour of the 'Deltics' or 'Westerns', but the Brush built Type 2 A1A-A1A diesel electrics which became Class 31 had a tremendous sphere of operation and some are even still at work on the main line today.

The first were introduced for the Pilot Scheme in 1957 with production locomotives entering traffic from 1958. The first batches were built with headcode discs, but from D5561 all locomotives were built new with four character headcode boxes mounted on the cab roof. The first of the class entered traffic on the Eastern Region, but they spread to the Western Region and later to the London Midland Region. More recently they have operated systemwide and notably at the front and rear of Network Rail's structure gauging train. Mass withdrawals took place during the 1990s, but many have found new leases of life with private operators and on preserved railways.

## THE MODEL

The Class 31 has been a longstanding part of the Graham Farish range with the former Poole based manufacturer having introduced a model in the 1990s. However, by today's standards it was showing its age and no longer featured modern fittings



for 'N' gauge such as directional lights or provision for DCC. The new Class 31 from Bachmann addresses all of this and more.

Our review sample is BR green D5596 with small yellow warning panels (Cat No. 371-111) with further versions due for release covering BR green with full

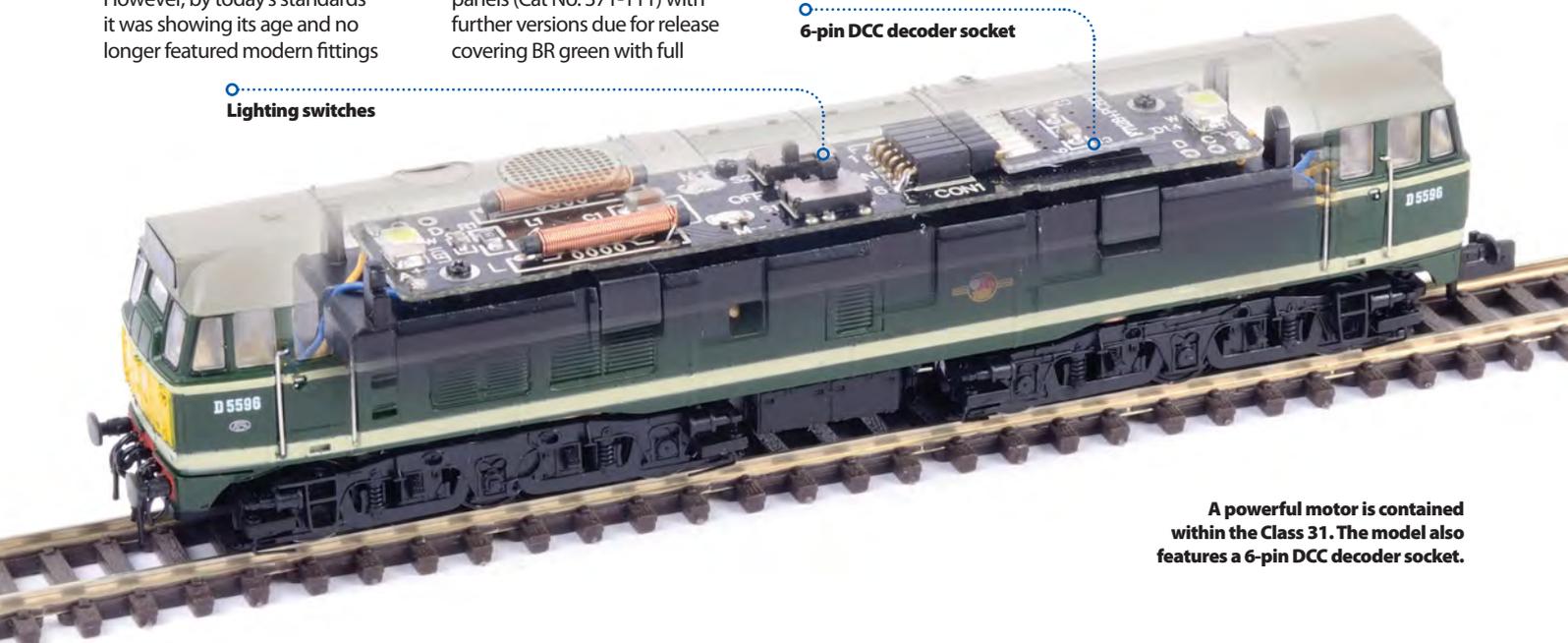
yellow ends as 5826 (371-110) and BR blue with full yellow ends as 31173 (371-112).

First impressions are very good with the model capturing the proportions and styling of the

locomotive. The characteristic front end with its communication doors and steps has been modelled faithfully while the window arrangement above looks just so. Topping the cab is

6-pin DCC decoder socket

Lighting switches



**A powerful motor is contained within the Class 31. The model also features a 6-pin DCC decoder socket.**



THE DETAILS	
<b>Manufacturer:</b>	<a href="http://www.bachmann.co.uk">www.bachmann.co.uk</a>
<b>Cat No:</b>	371-111
<b>Description:</b>	Class 31 D5596, BR green
<b>Scale:</b>	'N'
<b>Price:</b>	£109.95
<b>Era:</b>	5
<b>DCC:</b>	DCC ready, 6-pin socket
<b>Couplings:</b>	Rapido couplings in NEM pockets



a four character route indicator box – Bachmann's '31' representing the production locomotives – which features illuminated 1B66 and 2B78 headcodes.

Along the side the group of grilles behind the cab have been superbly reproduced while the doors to the cab even feature separately fitted handrails. Roof detail is spot on with excellent scribing of the engine covers, exhaust ports and more. The main roof fan grille is a separate etched fitting which makes a big difference.

Below the frames the bogies have been modelled superbly, with the characteristic bulky steps, brake actuators and sandboxes protruding beyond the detailed sideframes. However, one area, which depending on viewing angles isn't quite so good, is the distance between the top of the bogies and the bottom of the body. To our eyes it looks larger than it should be although this is more than likely to accommodate running on model railway curves.

Still, the rest of the Class 31 makes up for this and the standard of livery decoration on our sample was first class. The main body colours were flawless and feature crisp cream lining at the bottom and waist positions, just as they should. Add to this yellow warning panels with good colour density, finely printed numbers, builder's plates and crests and you have a comprehensive package.

Included with the Class 31 is a set of detailing components for the bufferbeams. This consists of eight items for each end which can be fitted in place of the factory installed couplings. Their small size does present a challenge, but once fitted they really do make a big difference to the overall look of the '31'. We recommend removing the buffers first before starting fitting the pipes as it makes access much easier.

### PERFORMANCE

The chassis inside our sample of the Class 31 was another sublime example of just how good 'N'

gauge mechanisms are now. Straight from the box it operated faultlessly and near silently, offering smooth control – the latter improving with running in.

During our tests we subjected the Class 31 to a load of eight Mk 1s which it handled with ease and rather more alacrity than the real machines! It also proved comfortable negotiating a range of medium and large radius points.

Bachmann has also taken the time to move forward a step with its diesel chassis as the '31' features a 6-pin DCC decoder socket and directional lights and a pair of switches on the printed circuit board allowing the head or tail lights to be switched off independently – although in essence it actually switches off all lights at one end of the locomotive no matter what direction it takes.

Decoder installation is very straightforward with the Class 31. The body unclips from the chassis to reveal a 6-pin socket on top of the circuit board. Removing the

factory blank and replacing it with a suitable decoder converts the model in a matter of minutes. Our tests showed that the '31' was just as good in terms of performance under DCC control with the added advantage of consistent lighting at all times from the headcode boxes.

### OVERALL

The Brush Class 31 is one of the great workhorses of the early diesel era and with a long lifespan Bachmann has chosen a great prototype which will doubtless have a long life in its range.

The relationship between the body and bogies could have been better aesthetically, but in allowing the model to operate on tight radius model railway curves it makes it accessible to the widest possible market.

Its performance and looks are excellent and if you had the previous Poole produced Class 31 you'll be totally impressed if you upgrade to this newly tooled model. Excellent and available now. (MW)

**LIMITED EDITION**

# Troop Train pack



**H**ORNBY'S SPECIALLY produced train pack to mark the 100<sup>th</sup> anniversary of the First World War touched down at the end of February offering a

chance to own a Great Western Railway 'Star' 4-6-0 in early Great Western green livery.

The pack contains 'Star' 4050 *Princess Alice* and three clerestory carriages in GWR chocolate and

cream and while the locomotive uses Hornby's recent new tooling for the 4-6-0 the carriages rely on much older mouldings. However, the standard of decoration on the carriages is excellent which

makes up somewhat for the large couplings and chunkier details.

The 'Star' itself is an excellent production which ran faultlessly straight from the box with a smooth running and powerful



## Hornby upgrades '42XX'



### THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.hornby.com">www.hornby.com</a>
<b>Cat No:</b>	R3222
<b>Description:</b>	GWR '42XX' 2-8-0T 4261, GWR green
<b>Price:</b>	£119.99
<b>Scale:</b>	'OO'
<b>Era:</b>	3
<b>DCC:</b>	DCC ready, 8-pin socket
<b>Couplings:</b>	Small tension locks in NEM pockets

Hornby's 'OO' gauge Churchward '42XX' 2-8-0T makes a welcome return this month in Great Western Railway (GWR) green livery.

This latest release has undergone a few tweaks since the first batch in 2013 (HM70) and now includes a separately fitted smokebox dart and

rear guard irons which when added to the already fitted wire handrails, metal buffers, lamp irons and fine sand pipes certainly improve its appearance.

Decoration is excellent, featuring a quality matt GWR green paint finish together with crisply printed Great

Western lettering and number plates. Neat touches include bufferbeam numbers, red route restriction codes and intricately decorated cab interior.

These latest improvements to Hornby's '42XX' may be small but they make a big difference to this powerful model. (MC)

## THE DETAILS

<b>Manufacturer:</b>	www.hornby.com
<b>Cat No:</b>	R3219
<b>Description:</b>	Great Western Troop Train pack featuring GWR 'Star' 4-6-2 4050 <i>Princess Alice</i> , Great Western green and three GWR Clerestory carriages
<b>Scale:</b>	'OO'
<b>Price:</b>	£154.99
<b>Era:</b>	2
<b>DCC:</b>	DCC ready, 8-pin socket
<b>Couplings:</b>	Small tension locks in NEM pockets (locomotive), large tension locks (carriages)



motor encased inside the detailed body. An 8-pin DCC decoder socket is provided in the tender too. Our sample did though feature a number of fingermarks from assembly which should have

been spotted before packaging. Nevertheless the austere unlined Great Western green livery looks smart and is well finished.

The Great Western Troop Train pack is limited to 1,000 pieces –

each supplied with a numbered certificate – and it will certainly be a popular collector's item as well as addressing a general lack of early 20th century locomotives and rolling stock. (MW)



## Skaledale VILLAGE PUMP

One of the smaller recent additions to Hornby's Skaledale range of cast resin buildings and accessories is this attractive water pump. Finished with a grey slate and weathered stone finish, it's ideal for placing in a village or churchyard scene. With the addition of a drain and a little standing water, an attractive cameo could be fashioned. (MC)

THE DETAILS	
<b>Manufacturer:</b>	www.hornby.com
<b>Cat No:</b>	R9796
<b>Description:</b>	Village water pump (25mm x 10mm)
<b>Price:</b>	£5.99
<b>Scale:</b>	'OO'
<b>Era:</b>	Any



## RECOMMENDED READING

# TRAINS TO THE TRENCHES

**Author:** Andrew Roden

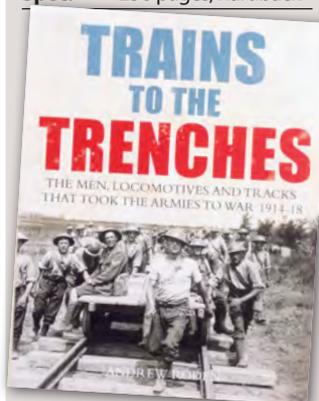
**Publisher:** Aurum Press

**Website:** www.aurumpress.co.uk

**ISBN:** 978-1-78131-366-4

**Price:** £20

**Spec:** 256 pages, hardback



**A**NDREW Roden's *Trains to the Trenches* remembers the men and women who tirelessly operated the railway in Britain and Europe 100 years ago during the First World War.

The author recalls the railway's outstanding achievements at home and abroad for all in combat, the important role it played and how the operating departments coped, planned and operated during this very demanding time.

The book considers the perspectives of those from all countries involved and demonstrates how the railways across Europe and beyond rose to the challenges presented, often at short notice, delivered munitions and supplies to the front lines, transported service personnel and evacuated growing numbers of refugees as well as how it dealt with the strains of operating a railway with dwindling numbers as railwaymen joined the armed forces.

Meticulously researched and illustrated throughout with a large collection of evocative photographs, the book also features a timeline of significant events through 1914-1923 together with a selection of European Thomas Cook railway maps to place history in context. A fascinating read. (MC)

# Woodland Scenics cleans

THE DETAILS	
<b>Manufacturer:</b>	www.bachmann.co.uk
<b>Cat No:</b>	WTT4550
<b>Description:</b>	Rail Tracker cleaning kit
<b>Scale:</b>	'OO', 'N' and 'O'
<b>Price:</b>	£25.95

**W**OODLAND Scenics's TidyTrack system, distributed by Bachmann, offers a one stop rail cleaning solution suitable for use with 'OO', 'N' and 'O' gauge track. The system revolves around the Rail Tracker which is a supporting unit for specially designed cleaning pads.

The Rail Tracker kit contains the tracker, four types of cleaning pad, an extension handle, full instructions and a bottle of track cleaning fluid. The kit has been designed to deal with all types of track cleaning from regular maintenance to deep cleaning and,



at its most intense, for use to remove paint from track weathering.

Four types of pad are included with the Rail Tracker: Maintenance Pads for regular cleaning, Rescue Pads for heavy cleaning, Cleaning

Pads for application of the TidyTrack Clean Track Solution and Finishing Pads for use after the Cleaning Pads to remove any residue. The final component of the system is an extension handle which makes

reaching awkward areas of a layout for cleaning so much easier.

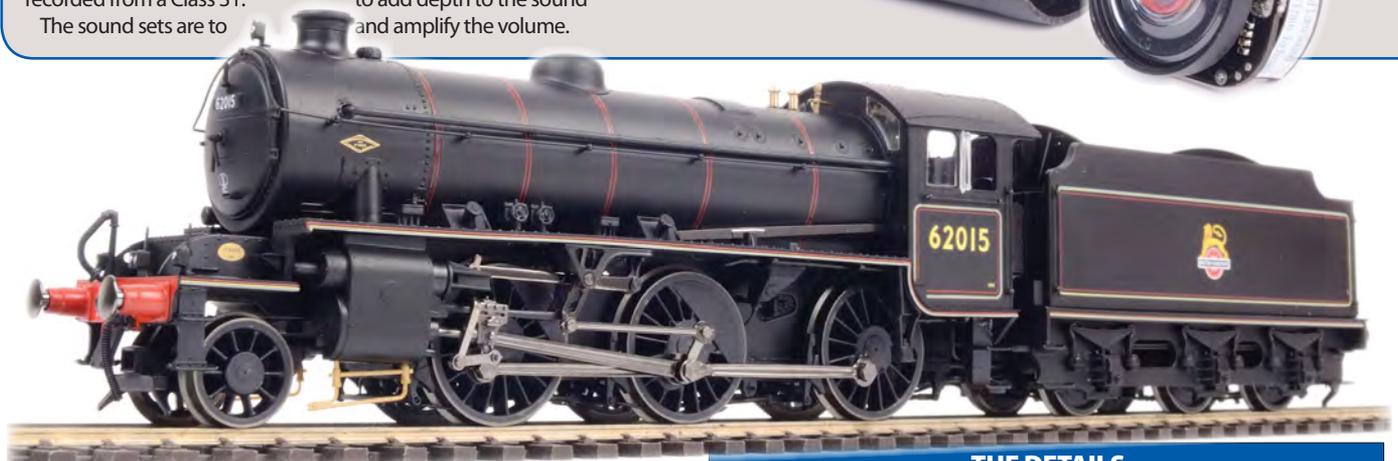
The pads push onto the Rail Tracker easily and can be adjusted in their position to suit different gauges. Grooves are provided

## Diesel sounds encapsulated

Train Tech's has added of a diesel locomotive sound capsule to its range which works in similar vein to the steam locomotive capsule (HM84). This latest product features sounds recorded from a Class 31.

The sound sets are to

a good quality and contained within a small battery powered unit which also houses a speaker and battery holder. A flexible rubberised sound tube is used to fit over the speaker to add depth to the sound and amplify the volume.



## Early crests for Peppercorn 'Mogul'

The third version of Hornby's new Peppercorn 'K1' 2-6-0 (HM92) touched down in February offering the first chance to buy this model with early crests on the tender. Finished as 62015 the model uses the same suite of

tools as the two previous late crest versions including the same high level of detail throughout. Livery application is up to Hornby's usual high standards. If you have been holding out for an early crest 'K1' the wait is now over... (MW)

THE DETAILS	
<b>Manufacturer:</b>	www.hornby.com
<b>Cat No:</b>	R3242
<b>Description:</b>	LNER 'K1' 2-6-0 62015, BR lined black
<b>Scale:</b>	'OO'
<b>Price:</b>	£129.99
<b>Era:</b>	4
<b>DCC:</b>	DCC ready, 8-pin socket
<b>Couplings:</b>	Small tension locks in NEM pockets

# up with Rail Tracker



on one side to assist in aligning the Rail Tracker with the rails and the grooved pads can be reversed when cleaning points and crossings to offer a smooth side.

In practise we found the Rail

Tracker system to be both simple and effective. Using it to clean our office layouts we were impressed and surprised by how much dirt even the standard Maintenance Pads lifted off what

we thought were clean railheads.

At £25 for the full kit this cleaning system is a great buy for any railway modeller, no matter what scale or gauge they are working with. (MW)

Each diesel sound capsule is fitted with a motion sensor which reacts to slight movement and, in turn, changes the engine sound. This requires a different driving method to be adopted as the locomotive needs to be driven to the sounds created. It doesn't take long to master the technique, with the capsule featuring a selection of realistic sounds. After 60 seconds sitting

idle, it switches off until the next time movement is sensed.

Due to its size, the capsule suits placement within an adjacent 'OO' gauge wagon or carriage – it could also be fitted inside Hornby's RailRoad Class 31 - and could happily be hauled behind a selection of diesel classes, offering a neat and cost effective sound solution for analogue or digital layouts. (MC)

## THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.train-tech.com">www.train-tech.com</a>
<b>Cat No:</b>	SFX20
<b>Description:</b>	Diesel locomotive sound capsule
<b>Price:</b>	£40
<b>Scale:</b>	'OO'
<b>Era:</b>	5-9

## Gates Galore



LaserScenes is a new range of 'OO' gauge pre cut card kits from ModelRailwayScenery.com which includes this selection of garden gates amongst its initial releases.

The first packs feature standard five bar gates, arched

top five bar gates and standard garden gates. Supplied on a single pre cut grey card fret with enough parts to build three of each five bar gate, the laser cut parts are fine and precise with small tabs for removal from the fret and they just require

layering to give added depth using PVA glue. The garden gates pack contains enough parts to create three front gates and three larger rear garden gates in similar fashion.

The result is pleasantly realistic and highly effective. (MC)

## THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.modelrailwayscenery.com">www.modelrailwayscenery.com</a>
<b>Cat No:</b>	LX001/LX002/LX003
<b>Description:</b>	Five bar gates/ Arched top five bar gates/Garden gates
<b>Price:</b>	£3.99
<b>Scale:</b>	'OO'
<b>Era:</b>	Any

## RECOMMENDED READING

# STEAM TRAINS

**Author:** Colin Maggs

**Publisher:** Amberley Publishing

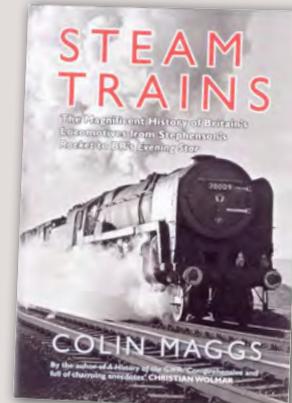
**Website:**

[www.amberley-books.com](http://www.amberley-books.com)

**ISBN:** 978-1-4456-3272-8

**Price:** £20

**Spec:** 272 pages, hardback



**T**HIS RECENT BOOK from railway historian Colin Maggs traces the history of steam

locomotives and their trains from the very early pre-Rocket developments to recent events in the burgeoning steam preservation movement.

Written in an easy to follow format, the story follows the early railways of Great Britain, how rolling stock developed from open trucks and window-less carriages, how improvements affected life in Britain and how it encouraged travelling from further afield. To demonstrate, one such anecdote tells how the arrival of the railway improved lives for inhabitants of Mallaig in the West Highlands of Scotland, where a shopping trip to Fort William had previously involved an eight mile walk and a coach journey which took over seven hours. By contrast, the railway reduced this considerably to less than two hours.

The author also recalls the heyday of the railway in the early twentieth century, the desire for speed from the 'Big Four' companies and the impact and aftermath of two World Wars as well as the subsequent nationalisation of the railway.

A thoroughly enjoyable read, illustrated with a good selection of black and white and colour photographs and drawings. (MC)



# RAILS OF SHEFFIELD

SHOP OPENING HOURS:

9:30am - 5:00pm

Monday - Saturday

Free parking outside the door!

PHONE/ORDER HOTLINE  
**(0114) 2551436**

Open 9:00am - 5:00pm

24 Hr Answerphone service for orders

## HORNBY

FULL RANGE STOCKED AT BARGAIN PRICES

R1177	Gloucester City Pullman Electric Train Set	£140.00
R3019	BR (Late) Grange Class 'Paviland Grange' #6845 - Weathered	£123.00
R3020	LMS 2-6-4T Fowler 4P Class LMS Red #2308	£100.95
R3103	BR Class A4 'Bittern' #60019 BR Green Double Tender - SE	£131.95
R3105	GWR Castle Class 'Wellington' GWR Green Hawksworth Tender	£122.95
R3118	BR Castle Class 'Penrice Castle' #7023 BR Green	£125.95
R3185	South Eastern 'Sir Chris Hoy' Class 395 Javelin Train Pack	£134.50
R3187	GNR 0-6-2T N2 Class #1744	£78.95
R3204	LSWR 0-4-4T M7 Class - NRM	£104.95
R3205	BR 4-6-0 'Rood Ashton Hall' 4900 Class	£104.95
R3221	LMS 'Duchess Of Sutherland' and Support Coach Train Pack	£148.95
R3222	GWR Green 2-8-0 42XX Class Locomotive	£104.95
R3224	BR Black 2-8-0 52XX Class Locomotive	£104.95
R3225	GWR Green 2-8-2 72XX Class Locomotive	£113.95
R3227	BR Black 2-8-0 Class O1 Locomotive 63663	£114.95
R3230	LNER 0-6-0 J15 Class Locomotive - Pre 1948	£95.95
R3231	BR 0-6-0 J15 Class Locomotive - Early BR	£95.95
R3232	BR 0-6-0 J15 Class Locomotive - Late BR	£95.95
R3233	LNER 4-4-0 D16/3 Class - Pre 1948 Locomotive	£95.95
R3234	BR 4-4-0 D16/3 Class - Early BR Locomotive	£95.95
R3235	BR 4-4-0 D16/3 Class - Early BR (1948) Locomotive	£95.95
R3236	BR 4-6-2 'Duke Of Gloucester' Class B- Late BR 1960	£109.95
R3237	GWR 4-6-0 'Caerphilly Castle' Castle Class - NRM	£128.95
R3238	SR 0-6-0 700 Class Locomotive - 1920s-1930s	£95.95
R3239	BR 0-6-0 700 Class - Late BR Locomotive	£95.95
R3240	BR 0-6-0 700 Class - Early BR Locomotive	£95.95
R3242	BR 2-6-0 K1 Class - Early BR Locomotive	£113.95
R3243A	BR 2-6-0 K1 Class - Late BR Loco Different Running Numbers	£113.95
R3244TTS	BR Green 4-6-2 'Duke Of Gloucester' #71000 with TTS Sound	£122.95
R3245TTS	BR Blue 4-6-2 'Tornado' Peppercorn A1 Class TTS Sound	£135.95
R3246TTS	LNER 2-8-2 'Cock O' The North' P2 Class Locomotive TTS Sound	£135.95
R3258	BR 2-BL 2 Car Electric Multiple Unit Train Pack	£113.95
R3260	SR 2-HAL 2 Car Electric Multiple Unit Train Pack	£113.95
R3263	BR Co-Co Diesel Electric 'Vanguard' Class 50024 Locomotive	£129.95
R3267XS	Transrail Co-Co Diesel Electric Class 60005 'Skidaw' DCC Sound	£217.95
R3268	Arriva Train Wales Bo-Bo Diesel Electric Class 67 003 Locomotive	£122.95
R3269	BR InterCity 125 Class 43 HST (Eastern Region) Pack	£183.95
R3270	Midland Mainline Class 43 HST Pack	£183.95
R3271	BR InterCity Class 43 HST Pack	£183.95
R3273	RailRoad BR 2-10-0 Franco Crosti Boiler 9F Class - Early BR	£104.95
R3274	RailRoad BR 2-10-0 Franco Crosti Boiler 9F Class	£104.95
R3284TTS	RailRoad LNER 4-6-2 Flying Scotsman A1 Class TTS Sound	£87.95
R3285TTS	RailRoad LNER 4-6-2 Gwladys A4 Class Locomotive TTS Sound	£87.95
R3286TTS	RailRoad BR Empress of Canada Class 40 D232 TTS Sound	£73.95
R3287TTS	RailRoad BR Class 47 401 BR Blue Diesel Locomotive TTS Sound	£73.95
R3289TTS	Network Rail Class 37 97301 Locomotive with TTS Sound	£73.95
R3290A	BR2-HAL 2 Car Electric Multiple Unit - Different Running Numbers	£113.95
R3291XS	Colas Rail Freight Co-Co Diesel Class 56094 with DCC Sound	£217.95

## BACHMANN

FULL RANGE STOCKED AT BARGAIN PRICES

30-042	Digital Starter Train Set	£127.49
30-048	'The Highlander' Digital Sound Train Set	£250.71
30-170	'Thames Clyde Express' Electric Train Set	£148.71
30-575	The Railway Children Collectable Train Pack	£29.95
31-029	Class 166 Networker 3 Car DMU #166204 Thames Trains	£29.95
31-119	BR Standard Class 4MT #75035 BR Black Late Crest - Weathered	£29.95
31-137	Class D11/2 6385 'Luckie Mucklebackie' LNER Black	£29.95
31-138	Class D11/2 'Haystoun of Bucklaw' #62682 BR Black Early Emblem	£29.95
31-187	Jubilee Class 'Nelson' #5664 LMS Crimson with Stanier Tender	£29.95
31-214	Patriot Class 4-6-0 'Giggleswick' #45538 BR Green Early Emblem	£29.95
31-318	Robinson Class J11 (GCR9J) #5317 LNER Black 0-6-0	£69.50
31-344	Class 04 #D2332 'Lloyd' NCB Industrial Yellow - Weathered	£29.95
31-365	Class 03 #03170 BR Blue Wasp Stripes & Air Tanks - Weathered	£29.95
31-441DC	ivatt Class 2MT 2-6-2 Tank #41291 BR Lined Black Late Crest	£29.95
31-517DS	Class 158 2 Car DMU #15849 Regional Railways 'SOUND'	£29.95
31-614	Class V3 Tank #67609 BR Lined Black Late Crest Cranked Pipes	£29.95
31-635	Class 64xx 0-6-0 Pannier Tank #6407 GWR Green	£29.95
31-637	Class 64xx 0-6-0 Pannier Tank #6400 BR Lined Green Late Crest	£29.95
31-656DC	Class 47 #D1677 'Thor' BR Green Yellow Ends	£99.95
31-658	Class 47 #47190 'Pectinidae' BR Petroleum Sector - Weathered	£95.95
31-679	Type ALS Electric #E3095 BR Electric Blue Small Yellow Panel	£29.95
31-691	LMS Stanier Mogul Class #42969 BR Lined Black Early Emblem	£29.95
31-692	LMS Stanier Mogul Class #42968 BR Lined Black L/C (Preserved)	£29.95
31-920	H2 Class Atlantic 4-4-2 2426 'St Alban's Head' SR Olive Green	£29.95
31-921	H2 Class Atlantic 4-4-2 32424 'Beachy Head' BR Black Early Emblem	£29.95
31-995	LMS 10000 BR Brunswick Green, Lined Orange & Black	£89.50
31-996	LMS 10000 BR Brunswick Green, Part Eggshell Blue Waistband	£89.50
31-997	LMS 10001 BR Brunswick Green, Blue Waistband Yellow Panels	£89.50
32-038DS	Class 20 #20124 BR Blue Indicator Disks - 'Weathered 'SOUND'	£29.95
32-065	Class 43 'Warship' #D865 'Zealous' #D865 BR Maroon Yellow Panel	£29.95
32-066	Class 43 'Warship' 'Pegasus' #D835 BR Green Yellow Panel	£29.95
32-085	Class 56XX #6639 BR Black Early Emblem	£29.95
32-260DC	WD Austerity 2-8-0 #90448 BR Black Late Crest	£117.95
32-285	Class 101 2 Car DMU BR Green with Speed Whiskers	£119.95
32-286	Class 101 2 Car DMU BR Green with Yellow Warning Panel	£119.95
32-331	Class 25/1 #25043 BR Green Full Yellow Ends - Weathered	£29.95
32-440	Class 24/1 DS135 BR Green	£29.95
32-442	Class 24/1 #24137 BR Blue	£29.95
32-529B	Class 55 #D9011 BR Two Tone Green	£87.95
32-680	Class 45 #45036 BR Blue Split Centre Head Code	£29.95
32-762DS	Class 57/3 'The Hood' #57312 Virgin - 'Weathered 'SOUND'	£29.95
32-763	Class 57/3 'Pride of Crews' #57309 DRS Compass Blue	£29.95
32-784	Class 37/0 #37242 Mainline Blue Centre Head Code - Weathered	£29.95
32-785DS	Class 37/0 #37254 BR Departmental - 'Weathered 'SOUND'	£29.95
32-786	Class 37/0 #37174 EWS Domino Head Code - Weathered	£29.95
32-927	Class 150/1 2 Car DMU #150128 First Great Western	£127.46
32-938	Class 150/2 #150204 Northern Rail	£127.46
32-992	Wickham Type 27 Trolley Car BR Engineers Yellow	£29.95
32-993	Wickham Type 27 Trolley Car BR Engineers Yellow Wasp Stripes	£29.95
35-076	Class E4 0-6-2 #473 Southern Green	£29.95
35-077	Class E4 0-6-2 #32556 BR Black Early Emblem	£29.95

## GRAHAM FARISH

FULL RANGE STOCKED AT BARGAIN PRICES

370-080	'Countryside Coal' Digital Train Set	£29.95
370-500	Cumbrian Mountain Express Collectable Train Pack	£71.95
371-019	Class 08 #08897 EWS - Weathered	£84.96
371-085	Class 25/1 #D5188 BR Green	£84.96
371-087	Class 25/2 #25234 BR Blue	£93.46
371-110	Class 31 #D5563 BR Green - Directional Lighting	£93.46
371-111	Class 31 #D5596 BR Green Small Yel Panels - Directional Lighting	£93.46
371-112	Class 31 #31173 BR Blue - Directional Lighting	£89.20
371-165	Class 37/4 #37407 'Loch Long' BR Blue Large Logo	£89.20
371-168	Class 37/5 #37506 Railfreight Red Stripe	£89.20
371-169	Class 37/4 #37409 DRS	£89.20
371-286	Class 55 'Kings Own Yorkshire Light Infantry' #D9002 BR Green SYP	£93.46
371-287	Class 55 'Prince of Wales's Own Regiment of Yorkshire' #55005 Blue	£93.46
371-330	Class 150/1 #150128 First Great Western	£101.95
371-384	Class 66 #66209 EWS - Weathered	£93.95
371-396	Class 66 (Low Emission Variant) 'Interhub GB' #66731 GBRF	£89.21
371-454	Class 37 #D4827 BR Green Centre Headcode - Weathered	£97.70
371-558	Class 158 2 Car DMU #158871 ScotRail	£97.50
371-604	Class 42 'Wagon' 'Onslaught' #D832 BR Green	£93.46
371-635	Class 70 Powerhaul #70006 Freightliner	£99.95
371-656	Class 57 #57312 Network Rail Yellow	£93.46
371-657	Class 57 'Pride of Crews' #57309 DRS Compass Livery	£93.46
371-880	Class 108 2 Car DMU BR Green Small Yellow Panel	£114.71
371-987	Class 64xx 0-6-0 Pannier Tank #6400 BR Lined Green Late Crest	£63.71
372-030	Castle Class 'Earl of Dunraven' #5044 GWR Lined Green	£29.95
372-181	Princess Coronation Class 'Duchess of Hamilton' #46229 BR Green	£127.46
372-183	Princess Coronation Class #46240 'City of Coventry' BR Crimson L/C	£127.46
372-310	Merchant Navy Class #35024 'East Asiatic Company' BR Blue E/E	£29.95
372-312	Merchant Navy Class #35028 'Clan Line' BR Green Late Crest	£29.95
372-385	Class A2 'AH Peppercorn' #525 LNER Apple Green	£127.46
372-388	Class A2 'Blue Peter' #60532 BR Lined Green Late Crest	£127.46
372-400	Class 139 #1856 LNER Lined Black Flat Sided Tender	£75.95
372-536	Class 4MT Tank #80119 BR Lined Black Late Crest	£89.21
372-625	ivatt Class 2MT #46521 BR Lined Green Late Crest	£91.95
372-626	ivatt Class 2MT BR Lined Black E/E Locomotive 46440	£91.95
372-653	BR Standard Class 4MT #76079 BR Lined Black Early Emblem	£100.26
372-725	BR Standard Class 5MT 73068 BR Lined Green Late BRIC Tender	£99.95
372-727	BR Standard 5MT 'Camelot' BR Lined Black Early BRIB Tender	£99.95
372-752	Fairburn 2-6-4 Tank #42073 BR Black Late Crest	£89.21
372-800A	Class A1 'Tornado' #60163 BR Lined Brunswick Green	£125.50
372-800B	Class A1 'Tornado' #60163 BR Express Blue	£125.50
372-930	N Class 2-6-0 #1406 SR Olive Green Slope-sided Tender	£110.46
372-931	N Class 2-6-0 #31844 BR Black Early Emblem	£110.46

## RAILS BLACK LMS LIMITED EDITIONS



31-998 LMS Twins Wooden Box Set #10000/10001 Black/Chrome £249.50

UK POSTAL RATES: £4.00 (1st Class), £4.50 (1st Class Recorded), Special Delivery £8.50 next day delivery inc Saturdays by 1:00pm (orders must be placed before 2:00pm on date of delivery), £7.50 per parcel over 2kg sent via ParcelForce courier for next day delivery inc Saturdays (orders must be placed before 3:00pm on date of despatch). This excludes post codes: IV, HS, KA27-28, KW, ZE, PA20-78, PH17-50, BT, IM, TR21-25, JE-GY and PO31-41 which will be charged at £12.

WORLDWIDE POSTAL RATES: Postage charged at cost sent via Royal Mail Airmail under 2kg, ParcelForce over 2kg. (Air sure and international signed for available on request). Non EEC countries are VAT deductible. New releases may be booked in advance.

All mail order or telephone orders despatched immediately with an immediate refund or follow-on option on 'Out of Stock' items. Please advise with your order. All goods are either in stock or on order.

By Car: From M1 South, Junction 29, follow A617 to Chesterfield then A61 to Sheffield. From M1 North, Junction 33, follow Parkway then A61 Chesterfield Road. By Bus: From Midland Station/Transport Interchange catch No 53 (Lowdges) bus to Albert Road (approximately 2 miles).

## PRICE PROMISE

We guarantee the price of our forthcoming releases for Locomotives, coaches and wagons to be at least 10-25% less than the RRP at the time of release. We also offer large discounts on many of our railway accessory ranges.

We continually monitor other retailers to ensure that our prices are always competitive.

JUST LOOK FOR THE



Colour coding:

No DCC

DCC READY

DCC Fitted/Sound

PLEASE NOTE:

All items currently in stock are despatched immediately.

Forthcoming releases will be despatched immediately upon release.

If your order contains both current items and forthcoming releases then these will be despatched separately and subject to separate delivery charges.

FOR MORE SPECIAL OFFERS AND UP TO THE MINUTE NEWS VISIT OUR WEBSITE, SIGN UP FOR OUR NEWSLETTER,

LIKE US ON FACEBOOK AND FOLLOW US ON TWITTER.

### DAPOL AT BARGAIN PRICES

N GAUGE OO GAUGE O GAUGE

#### GOLD STAR STOCKISTS

FULL RANGE STOCKED

Call us or see our website for more details and bargain prices

### ESU Loksound AT BARGAIN PRICES

V4.0 Steam Sound Decoder with Speaker	Classes A4 Pacific, A1/A2 Pacific, A1 Pacific 'Tornado'	£94.50
	GWR Pannier 57xx, GWR Manor 78xx, BR/LMS Mogul, 4MT Tank, Jubilee, BR/LMS Fairburn, Ivatt Class 4, 3F Jinty, Bulleid Pacific	
V4.0 Diesel Sound Decoder with Speaker	Classes 03/08/20/24/25/31/37/40/43 HST/44/45	£94.50
DCCSSFT	Fitting service for all OO gauge Steam Classes	£25.00
DCCDIFT	Fitting service for all OO gauge Diesel Classes	£20.00

All sound decoders are available with either 8 or 21 pin connectors, several of the steam decoders are suitable for use in other locomotives. See our website for more details.

50010	ECoSBoost ext Booster 4A DCC/MOT/SX/mfx	£197.50
50011	ECoSBoost ext Booster 8A DCC/MOT/SX/mfx	£369.50
50111	ECoSControl Radio Handset & Base Station	£241.50
50200	ECoSCommand Station (2nd Gen) 15-21V & Colour Touchpad	£499.99
50300	Navigator Digital System Wireless IR Handset & Base Station	£258.50

### DECODER FITTING SERVICES

DCCFIT6	DCC Decoder fitting service for N gauge 6 pin DCC Ready locomotives	£29.50
DCCFIT8	DCC Decoder fitting service for OO gauge 8 pin DCC Ready locomotives	£29.50
DCCFIT21	DCC Decoder fitting service for OO gauge 21 pin DCC Ready locomotives	£29.50

The charges for our fitting services are inclusive of the cost of the decoder which will either be a Hornby 4 or Bachmann 3 function decoder chosen at our discretion.

### HELJAN AT BARGAIN PRICES

OO GAUGE O GAUGE

FULL RANGE STOCKED  
Call us or see our website for more details and bargain prices

#### Corgi Dambusters 70th Anniversary



AA32621 Avro Lancaster B MK.III	£124.50
AA33615 Panavia Tornado GR4	£89.50

#### PHONE/ORDER HOTLINE

**(0114) 2551436**

Open 9:00am - 5:00pm

24 Hr Answerphone service for orders



### GAUGEMASTER AT BARGAIN PRICES

DCCP-CB12D	DCC Concepts Cobalt Digital Slow Action Point Motor (12)	£179.50
DCCP152	DCC Concepts Cobalt Slow Action Point Motor (12 Pack)	£165.50
DCC01	Prodigy Express Package	£119.95
DCC02	Prodigy Advance Package	£209.50
DCC03	Prodigy Advance 2 Wireless Starter Set	£359.50
DCC13	Prodigy Advance 2 Wireless Walkaround	£144.50
DCC14	Prodigy Advance 2 Backlit Walkaround	£99.00
DCC23	6 Pin N Gauge Plug-in Decoder	£21.00
DCC27	OMNI 21 & 8 Pin Decoder	£15.95
DCC30	Accessory Decoder	£45.50
DCC40	Auto Reverse Module	£31.50
DCC51	Prodigy Wireless Conversion Set	£199.50
DCC55	Prodigy Advance Wired Computer Interface Cable	£40.50
Model D	Twin Track Controller	£67.50
Model Q	Four Track Controller	£124.50
PM1	Point Motor with Accessory Switch	£4.00
PM2	Point Motor	£3.50
PM4	Point Motor Self Latching with Switch	£4.95
100M	Single Power Controller	£67.95

### PECO AT BARGAIN PRICES

FULL RANGE STOCKED

All Gauges Track and Accessories

Call us or see our website for more details and bargain prices

### DJ MODELS AT BARGAIN PRICES

Advance Orders Now Being Taken

for the new DJ Models Range

All Gauges Track and Accessories

Call us or see our website for more details and bargain prices

## ALSO STOCKED AT BARGAIN PRICES

In addition to full ranges from all the manufacturers featured here we also offer full ranges from:



**WOODLAND SCENICS**  
The World Leader in Model Scenery



and many more. If you can't find the product you are looking for on our website then please contact us and we can order it in for you.

Check out our **ebay** stores to see what discontinued and rare items we have on offer and for your chance to pick up a second-hand bargain today.

Visit: <http://stores.ebay.co.uk/Rails-Of-Sheffield>

Visit: <http://stores.ebay.co.uk/The-Rails-of-Sheffield-Vault>

**MODEL RAILWAYS BUY - SELL - EXCHANGE ANY GAUGE ANY AGE TOP PRICES PAID**

**<https://railsosheffield.com>**



# RAILS OF SHEFFIELD

TELEPHONE/ORDER  
HOTLINE

(0114) 2551436

Open 9:00 am - 5:00 pm  
24 Hr Answerphone service for orders

SHOP OPENING HOURS:

9:30 am - 5:00 pm

Monday - Saturday

Free parking outside the door!

# WANTED

## CASH OR PART EXCHANGE

We urgently require collections of any size featuring products from the following manufacturers:



We are always on the lookout for all types of kit built models including Pro-Scale, Nu-Cast, Golden Age Models, Silver Fox Models, Comet Models, David Andrews and Japanese/Korean Brass in addition to all manufacturers above.

Please do contact us if you are at all unsure as to whether we would be interested in your collection.

We value your used models very highly and will pay top prices for all items offered.

We provide a fast, professional and friendly service from our family run business.

Distance is no object and anything is considered.

Please telephone us on 01142 551436, email [secondhand@railsosheffield.com](mailto:secondhand@railsosheffield.com), fax us on 01142 555982 or post your lists to the address at the bottom of the page, all enquiries answered.



# Putting life into a 'Hymek'

**PAUL CHETTER** describes several different ways to install his all new Class 35 sound project and a 'stay-alive' capacitor in Heljan's recently re-released 'OO' gauge 'Hymek' diesel.

**I** SPENT an idyllic weekend last August as a guest of the Diesel and Electric Preservation Group (DEPG) recording its diesel-hydraulic locomotives. The DEPG, without whose valued help this sound project would not have been possible, is based at Williton on the West Somerset Railway. The 'Hymek' was what lured me to this wonderful location and so it is fitting that a Class 35 should be the first Digital Command Control (DCC) sound project to be developed, dovetailing nicely

with the arrival of my new Heljan model.

At first viewing, there appears to be little free space to fit speakers to this compact locomotive, but in fact there are several possibilities and even combinations of possibilities with the correct hardware. I have used a Zimo MX645R for its powerful 3W amplifier, multitude of features, and onboard standard 'stay-alive' capacitor management circuitry. As this is a relatively simple installation an ESU decoder could be used instead if you prefer.

## SIMPLE INSTALLATION

The lighting provision of this model is adequate for the era depicted so I have made no changes to the standard fitment. The MX645 allows a multitude of different lighting combinations if required, so I might fit cab lights in the future.

Removal of the body is achieved by gently pulling the lower edge of the moulding outwards to release the internal clips before lifting it clear of the chassis. The model is equipped with an 8-pin DCC socket. At each end of the printed >>

## WHAT WE USED

PRODUCT	SUPPLIER	PRICE
Heljan Class 35	<a href="http://www.heljan.dk">www.heljan.dk</a>	£103.50
Zimo MX645R Sound Decoder	<a href="http://www.digitrains.co.uk">www.digitrains.co.uk</a>	£85.00
Zimo 10mm x 15mm x 11mm 'Cube' Speaker	<a href="http://www.digitrains.co.uk">www.digitrains.co.uk</a>	£7.00
Zimo SC68 6800 microF capacitor	<a href="http://www.digitrains.co.uk">www.digitrains.co.uk</a>	£22.00

*Below: The Heljan 'Hymek' is a good looking model of a popular prototype and with the addition of DCC sound it really comes to life.*



## ALTERNATIVE SPEAKERS, COMBINATIONS AND WIRING TIPS

### These are the alternative speaker fittings I tested:

1. Single 'sugar cube' speaker inside the roof
2. Two 'sugar cube' speakers, one behind each cab
3. Single 'sugar cube' surrounded by the fuel tank
4. 23mm Hi Bass speaker using the fuel tank as an enclosure
5. 23mm Hi Bass speaker in the tank and two 'sugar cube' speakers inside the roof.

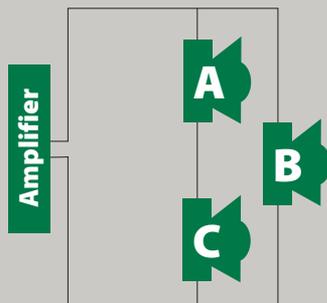
Options 1, 3 and 4 require only simple two wire 'out and back' connections to the decoder's amplifier output. The speakers are 8 Ohms in each case; close to the optimal impedance of 4 Ohms.

Option 2. Two 8 Ohms speakers in parallel produce a total impedance of 4 Ohms, the optimal figure.

Option 5. It is unsafe to wire three 8 ohms speakers in parallel as the total impedance is far too low, and three in series would, at 24 ohms, audibly reduce the volume output. The solution is to wire the two

'sugar cube' speakers together in series, giving 16 Ohms, then wire this pairing in parallel with the third 8 Ohms speaker in the fuel tank.

### The wiring schematic and calculations are as follows:



'Sugar Cube' A Impedance: 8

Ohms. Power rating: 1Watts

'Sugar Cube' B Impedance: 8

Ohms. Power rating: 1Watts

Hi-Bass C Impedance: 8 Ohms.

Power rating: 2Watts

Total Impedance =

$(A+B) \times C = (8+8) \times 8 = 5.333$  Ohms

$A+B+C = 24$

This is a safe total impedance value which is close to optimal. Furthermore, with maximum output from the amplifier of 3W, the power available at each speaker is as follows:

**Speaker A Power = 0.5 Watts**

**Speaker B Power = 0.5 Watts**

**Speaker C Power = 2 Watts**

Thus the two 'sugar cubes' each receive half of their normal maximum whilst the Hi-Bass receives its full power quota.

Expressed another way, that's 1watt from speakers producing similar frequency ranges and 2watt from another type producing a range containing lower frequencies. It would be reasonable to expect that a wider spectrum of frequencies would be reproduced by this setup than any other in these tests and this is the case.

However, lower frequencies tend to 'flatten' and 'muddy'

the sound perceived, whilst the speakers in the body produced a 'fuzzy' mid to high range resonating sound which lost most of the distinctly mechanical engine sounds. This latter tendency was even more pronounced in option 2 which resulted in a powerful but strangely indistinct output.

Overall, although Option 5 was undoubtedly the loudest (with the decoder's volume output the same in each case), and with a warmer bass tone which some will prefer, for me it lacked the clarity to distinguish and identify individual sound sources within the mix.

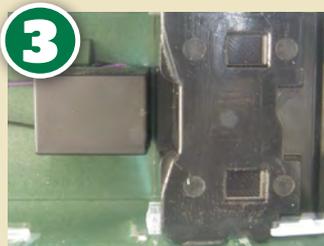
Though a close decision, the overall winner for me was the single cube speaker in the fuel tank which is perhaps surprising considering the potential for the multiple speaker installation.

## STEP BY STEP INSTALLING SOUND AND 'STAY-ALIVE' ABILITY IN A HELJAN 'HYMEK'

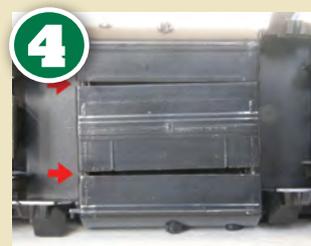


**1** The Heljan 'Hymek' offers limited space for sound installation on first glance, but actually there are a number of opportunities for installing speakers. The central fuel tank is just one of them.

**2** Having removed the body the general layout can be seen, 8-pin decoder socket and blanking plate towards the right and the area set aside to locate the decoder to the left. The PCB is held, centrally, by the rubber tabs shown here.



**3** A Zimo 15mm x 10mm x 11mm speaker can be fitted like this immediately behind the cab assembly at either or both ends. Using this method after connecting up the wires the locomotive body can be refitted to the chassis and the job is complete.



**4** To remove the fuel tank, separate the three sections carefully. The red arrows indicate the position of the joints. The fixing pegs are just visible in this view.

**PLEASE TURN FOR  
STEPS 5-24**

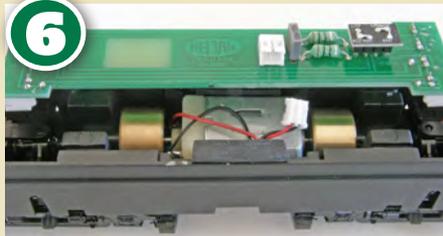
## STEP BY STEP INSTALLING SOUND AND STAY ALIVE ABILITY IN A HELJAN 'HYMEK'

**5**



With one tank side removed the fixing method can be seen clearly. Note the rubber tab at the top of the picture which helps to retain the motor.

**6**



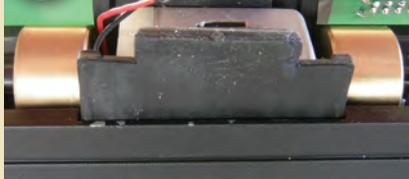
Unplugging the motor wires and pulling back the rubber tabs will allow the PCB to be released, revealing the motor, flywheels and cardan shafts below.

**7**



Free the lower rubber tabs from their locations in the chassis slots with a non-damaging edge. Use this to lever from below, whilst pulling from above to remove the motor.

**8**



Motor shown partly removed, the wires display signs of damage where they were wrapped around the edge of the PCB.

**9**



When removing the motor note the position and orientation of the cardan shafts and flywheels to aid re-fitting.

**10**



Here are the components seen from above. The open cavity which houses the motor is now exposed allowing holes for the speaker wires to be made in the chassis base.

**11**

I used a pin vice to drill a 3mm hole below the motor into the free area within the fuel tank below. Hand tools are slower in use but give greater control of the process including containment of debris.



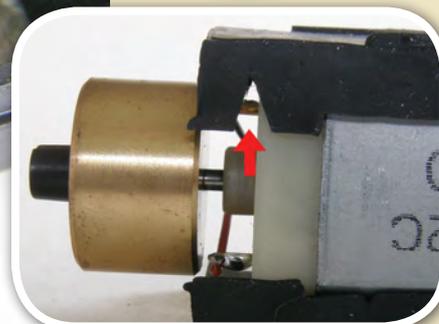
**12**

The speaker wires are passed through from above. I tied them in a knot to prevent them inadvertently slipping out whilst I was working above.



**13**

I cut a slot, arrowed, to hold the speaker wires away from the flywheel to avoid the two items getting in contact after reassembly.



circuit board (PCB) are a number of sockets for the lamp wiring plugs to connect. There is a gap between the PCB and the rear bulkhead of each cab assembly. It is possible to fix a 15mm x 10mm x 11mm Zimo 'sugar cube' speaker to the inside of the roof at either or both ends, neatly occupying the space above the bogie towers.

The simplest solution, therefore, is to plug in the decoder, fix it to the PCB with double sided tape or mastic and fit one or two 'sugar cube' speakers behind the cab(s) and solder these to the two purple speaker wires from the decoder. Refitting the body in the correct orientation, roof fan grille to the rear, roughly over the decoder, completes this method. Non-sound DCC decoders should be fitted by the same method, but omitting the speaker.

### A BETTER SOUND

Fuel tanks are often a good place to find free space for a speaker, as it is here, although the compact nature of the prototype means that the

speaker size is restricted in this case. Nevertheless there are viable alternatives, so provision must be made to pass the speaker wires from the decoder to the fuel tank area safely, securely and discretely. I have shown different methods for this in previous *Hornby Magazine* installation features.

This time, I decided to take the direct route, though this entails displacing the PCB and removing the motor to gain access. This is straightforward and requires no skills beyond dexterity and careful attention to how the parts fit together. The accompanying step by step guide shows all you need.

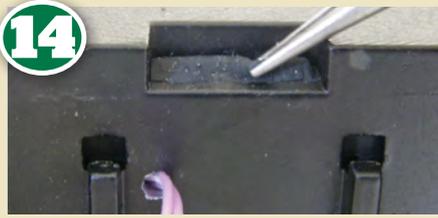
The PCB can be released by unplugging the motor connections at the mid-side position, and easing back the rubber tabs from each side. I noticed on my model that the insulation on the black wire had been damaged where it was passed around the PCB and under the rubber. There was no likelihood of bare wire shorting on the chassis, but I resolved to rectify this damage during reassembly.

There is no need to remove any other wires in order to move the PCB sideways, which will allow the motor to be removed vertically.

Two rubber mouldings hold the motor in place, partly by friction and partly by the use of a tab at the bottom of each side. In order to gain access to these lower fixings, the fuel tank must be removed. This is in three sections, the assembly of which is attached around chassis moulded fixings. I used a thin blade to gently prize the sections apart. There are four pins at the corners of each tank side piece - be careful not to damage these. When separated, they can be moved away from the chassis for later work.

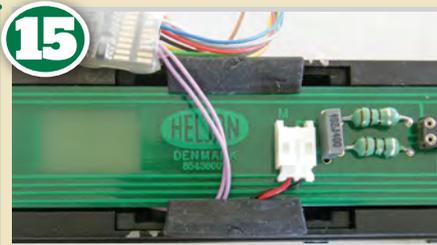
To remove the motor, release the rubber tab which appears in a slot at each side of the chassis by pushing through with a blunt edge such as a flat bladed screwdriver. A combination of leverage from below and pulling the rubber from above will release the motor. Note how the ends of the cardan shafts slide inside the brass flywheels and their lugs located in slits on each

14



The motor is a push fit. Take due care to locate the cardan shafts correctly as you slide the motor down into the chassis and ensure the lower rubber tabs are fully home in the slots provided. Ease into place with forceps if necessary.

15



Ensuring that the speaker wires are routed safely, replace the PCB and tuck the wires under the rubber tab to hold it in place.



16

If you intend to fit a 'stay-alive' capacitor but are short of space, this item from Zimo could be the solution. This compact unit has a capacitance of 6800µF enough for a couple of seconds running without track power.

17



The SC68 fits neatly above the PCB without extending beyond its edge – useful if you have fitted a 'sugar cube' speaker behind the cab at this end. There are some exposed PCB connections under the SC68 which I insulated before final fitting. Solder the blue and grey wires shown to the tabs following the colour coded arrows.

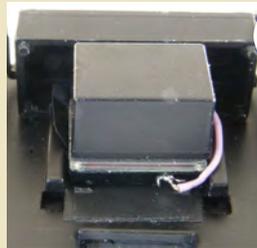
18

As an alternative a 'sugar cube' speaker can be installed in the fuel tanks, but for best appearance it needs to be reduced in height. The simplest way to reduce the effective height of the speaker is to gently prise up each connector before snipping off with side cutters.



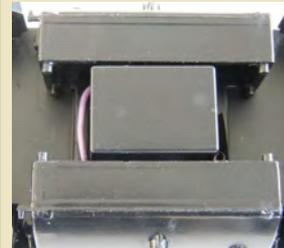
19

The difference is illustrated here as the near terminal has been adapted and the wire soldered on from the side, the other one is the usual method which adds extra height.



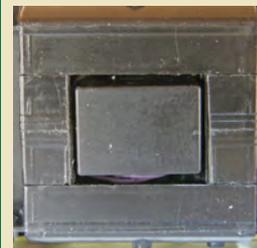
20

I insulated the chassis for safety before gluing the metal plate of the speaker to the chassis. You can see that the wires do not interfere with this arrangement.



21

Test fitting the fuel tank sides improves the output of the speaker, but still leaves the ends open which doesn't look great.



22

I cut the central section of the tank in two places to create a full surround for the speaker. The small gap is required to gain benefit from this. If the gap is closed, the speaker output is impaired.

23

From this low angle shot it can be seen that the speaker is virtually flush with the bottom of the tank and therefore unlikely to catch on any track.



24



A final alternative would be to use a 23mm Hi-Bass speaker instead. More material will need to be removed from the tank for this to fit, plus it is slightly

deeper than the modified 'sugar cube' and therefore visible from the side. This speaker does provide a lower frequency range than the cube so you may prefer the sound produced.

side. This will be important during reassembly.

With the motor removed, I used a sharp bit and a pin vice to drill a hole for the speaker wires. I was careful to constrain any swarf produced and to scrupulously clean away any debris before reassembly. After passing the speaker wires through this hole, I cut a small 'V' slot in one of the rubbers to guide the speaker wires away from the flywheel.

I replaced the motor and PCB in a reversal of their removal, correctly locating the cardan shafts in each flywheel, making good where needed and ensuring that the new wiring cannot rub or snag in use.

### SPEAKER FITTING

The lower profile 15mm x 10mm x 8mm 'sugar cube' speaker will actually fit entirely within the fuel tank without modification to the speaker or tank mouldings, and rather counter intuitively, is louder than in free air.

However, the 11mm deep version generally

produces a better sound quality. Deployed in its usual way, this speaker would hang 3mm below the level of the fuel tank. This would be visible from low angles and more seriously, would be in danger of fouling on pointwork. By modifying the deeper speaker I was able to achieve a virtually flush fitting within the tank. I raised the free end of each spring connector and bent them back sufficiently to be able to cut them off below the level of the speaker base. It's important to support the fixed ends during this process to avoid irreparable damage.

The speaker wires can now be soldered from the side, reducing the overall depth by 2mm or so. I insulated the chassis and used a spot of cyano glue to fix the speaker, metal plate first, to the chassis in a central position.

The speaker output was enhanced by simply replacing the tank sides, which of course would be necessary to complete the cosmetic aspect of the conversion. Fortunately, the design leaves a small gap between the

speaker enclosure and the tank sides, as without it the performance was diminished.

I decided that the physical integrity of the tank would be greater if parts of the centre section were reinstated. This would give proper spacing between the sides and ensure correct longitudinal location of the tank. I cut the centre section in two places, measured to give an equal gap around the speaker, and reassembled the sections around the speaker.

An alternative to this is available in the form of a 23mm QSI Hi-Bass speaker of more conventional format. This is a little deeper so will show a sliver below the tanks from most angles, though with care it would be possible to trim this along the outer edges. Take care not to damage the speaker membrane if you do this. To fit this speaker, you will need to cut away part of each tank side and more of the centre section.

The final choice as to which method you use is entirely up to you, but either way the end result is a 'Hymek' that sounds just like the real thing. 

FOR OUR FULL RANGE OF PRODUCTS – VISIT [www.keypublishing.com/shop](http://www.keypublishing.com/shop)



## Hornby Magazine Yearbook 7 - Collector's Edition

In this seventh edition of the Hornby Magazine Yearbook the North Eastern Region of British Railways is the prime source of inspiration for a layout build which features the unique atmosphere of a branch line railway system built in 'OO' gauge by Hornby Magazine's Editor Mike Wild. In this Yearbook we will guide you through the process of building a model railway showing how this layout - Shortley Bridge and Felton Cement Works - has been developed from the Operation Build It! terminus station which featured as a series build in the magazine. Hardback, 128 pages. Also available as a bookazine for just £6.99 - see website or call for details

**JUST**  
£17.99

CODE: B455



## The Modern Railway 2015 Book

The Modern Railway includes a comprehensive directory of over 2450 suppliers and businesses involved in keeping the UK industry in operation. This section has comprehensive contact information including website addresses and email details, making this publication an essential tool for today's railway professional. Hardback, 208 pages.

**JUST**  
£25.00

Code: B456



### Hornby Getting Started DVD

This feature-packed DVD contains the basic information you need to start building a model railway and it shows Bay Street and Dalby Wood. Illustrating key decisions for building your own layout, such as track plans, rolling stock, scales and gauges, control systems and buildings. Region 2 DVD, Running time 100 minutes

Price £14.49

Code: DVD613

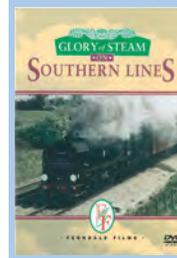


### Hornby - Baseboards, Track-laying and Wiring DVD

The second volume of the Hornby Magazine DVD. In this informative and entertaining programme we look at the various stages of building a model railway, from the construction of the baseboards to the running of the first trains. This DVD will guide you through the various aspects of building a railway in miniature. Region 2 DVD, Running time 80 minutes

Price £14.49

Code: DVD614

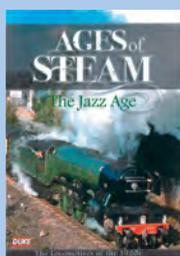


### Glory of Steam on Southern Lines DVD

Recorded throughout the last decade, this film recreates the experience and the Glory of Steam on Southern Lines. Region 2 DVD, Running time 45 minutes

Price £8.99

Code: DVD634

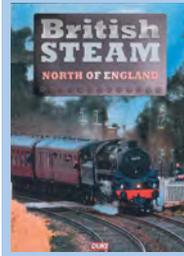


### Ages of Steam - The Jazz Age DVD

Using footage from the last quarter of a century, this programme looks at the way this final form was refined by some of the most famous engineers of their time, right up to the last steam locomotives built for main line service in the country. This is The Jazz Age, examining the locomotives of the 1920s. Region 2 DVD, Running time 50 minutes

Price £11.99

Code: DVD675



### British Steam in the North of England DVD

In this programme, using film shot over the last quarter of a century, we reflect upon the development of steam and celebrate our great railway heritage. Region 2 DVD, Running time 48 minutes

Price £11.99

Code: DVD658



### British Steam in the 1960's & 1970's DVD

During the final decades of steam locomotive operation on British Railways, keen amateur photographers captured fascinating footage of the end of an era. This programme brings you some of these unique movies, including steam workings at Clapham Junction, the Great Central Line, Stanier Pacifics on the West Coast Main Line and much, much more. A real treasure trove of steam gems. Region 2 DVD, Running time 120 minutes

Price £11.99

Code: DVD670



### Gas Lamps 4mm scale - 3 pack

Three lamps and extension posts, LEDs and LED control circuit board  
GLGWR3 - GWR/Western brown  
GLMR3 - LMS/London maroon,  
GLSR3 - SR/Southern green,  
GLPL3 - Plain black - unpainted

£31.95 (RRP £39.95)



### Wagon load kits - N Gauge and OO Gauge

Each kit includes four sheets of A5 material for wagon load boards, two glue applicators and full instructions and will provide enough load for up to 30 wagons (N gauge) or 15 wagons (OO gauge).

Price £13.99

#### N Gauge

- MOD19 - Ballast Limestone (pristine)
- MOD20 - Steam Coal
- MOD21 - Iron Ore
- MOD22 - Limestone
- MOD24 - Variety pack (Limestone, coal, iron ore)

#### OO Gauge

- MOD14 - Ballast Limestone (pristine)
- MOD15 - Steam Coal
- MOD16 - Modern image coal
- MOD17 - Iron Ore
- MOD18 - Limestone
- MOD23 - Variety pack (Limestone, coal, iron ore)

For our full range of products visit us at: [www.keypublishing.com/shop](http://www.keypublishing.com/shop)



# Allanbridge

Bonnybridge and District MRC wanted a layout to run members' modern trains. **MIKE BISSET** reveals how they didn't have to look far from home for a setting for this colourful and lively 'OO' gauge exhibition regular.

**PHOTOGRAPHY, MIKE BISSET.**



## STATISTICS

<b>Owner:</b>	Bonnybridge and District MRC
<b>Scale:</b>	'OO'
<b>Length:</b>	24ft (scenic section)
<b>Width:</b>	2ft
<b>Track:</b>	Peco code 75
<b>Control:</b>	Analogue or DCC
<b>Period:</b>	Scottish Region, 2000-2015



 A pair of DRS Class 20s ease out of the stabling siding at Allanbridge.



 A DB Schenker liveried Class 66 crosses Allanbridge with a steel train.

**B**ORN OF THE DESIRE to have a new exhibition layout set in the modern era, Allanbridge is the result of four year's planning and construction. The layout was designed to allow realistic running of the great variety of modern locomotives and rolling stock owned by club members, whilst also keeping operation relevant with today's railway prototype.

The project's aim was to create an end to end layout with a scenic section measuring 24ft, with fiddle yards at each end. There would be six 4ft x 2ft scenic boards and it was hoped that these board dimensions would ease the logistics when transporting the layout to and from exhibitions.

The layout would be based on a fictitious location in Central Scotland between Larbert and Stirling and would allow running of prototypical trains for this area. The main features would be two bridges crossing the River Forth. These bridges were carefully removed from a dismantled layout of the same name several years ago, having been constructed by a founding member.

The bridges were modelled on the Forth crossings at Stirling, with the difference of having the bridge which carried the line from Stirling to Dunfermline (via Alloa) single track instead of double. There has been a strong will within the club membership that one day the bridges would be reused on a layout befitting the man who constructed them. Constructing the new Allanbridge would give this opportunity.

A trackplan was devised to incorporate the two bridges with a view to modelling main line running which ties in with the area being modelled. The plan incorporated a half relief station providing three platforms for local and longer distance passenger traffic. A freight only line accommodating a variety of trains, and a small engineering yard would also add interest to those viewing the layout at exhibitions.

## CONSTRUCTION

All scenic boards are built from 3in x 1in timber with 12mm plywood for the board tops. This is a tried and tested method which provides excellent support for all items being fixed to the layout. »



**A Northern Belle liveried Class 47/7 moves slowly across the bridge as it heads for the stabling siding.**

It also provides the sturdiness required when transporting the layout to and from exhibitions. The boards are supported on metal folding legs which provide a solid platform for them to rest on.

All track is Peco code 75 with live frog points. Concrete sleepered track forms the majority of the running lines, with wooden sleepers on the pointwork and the yard tracks as is often seen on the real railway.

The trackplan was marked out on the boards using paper templates, and the track pinned down temporarily to give a feel of how the final layout would look. It can be difficult to gauge how a track plan looks until it is in front of you, and a few minor tweaks were made at this stage. The bridges were then spliced into the new baseboards, and fixed in position - new life was finally breathing back into them. Now satisfied with the track layout, 3mm cork was glued onto the plywood and the track pinned down onto this in its final position.

At this stage all wiring was soldered to the track and cuts made in the rails to allow for expansion and contraction, rather like expansion joints in welded rail on the 'big' railway. This is a problem encountered when exhibiting layouts, created by temperature changes, and these cuts eliminate track buckling.

The track was then weathered and ballasted using the trusted method of PVA/water mixture. The track pins were then removed as they are quite visible when using concrete sleepered track – the glue from ballasting now holds the track in place on the baseboards.

## SCENERY

The undulating scenery is formed of shaped polystyrene, covered with plaster bandages. This was then painted, and texture added as required.

Most of the grass was applied using the Noch Grasmaster and static grasses which gives a realistic look to the fields and embankments. Various lengths and colours of static grass were used to give the effect seen in the photographs. When modelling »





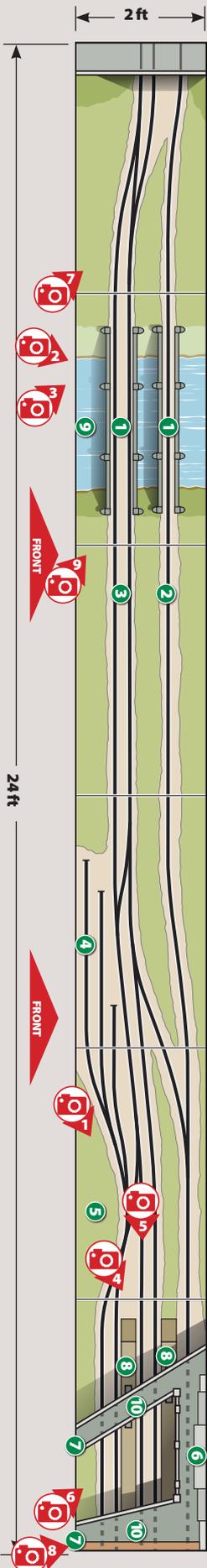
Network Rail's track survey Class 150 DMU, 950001, departs Allanbridge after a brief stop.



A light engine Class 66 rumbles into the station and passes a departing Class 170 DMU. On the right a DRS Class 57 waits for a clear route onto the main lines.



## ALLANBRIDGE TRACK DIAGRAM (Not to scale)



- KEY**
- 1 Bridges
  - 2 Freight only
  - 3 Main line
  - 4 Engineers' yard
  - 5 Network rail yard
  - 6 Low relief town buildings
  - 7 Station overbridges
  - 8 Platform
  - 9 River
  - 10 Road

fields and embankments, or any railway scene it is essential to use real world images to ensure that your layout looks like the real thing, and not what you think it should look like. The time or year you want to model, and the colours relating to that are all important to add realism. These are all elements which the club considered while building Allanbridge.

To complete the scenery a mixture of off the shelf and scratchbuilt items have been used on the layout. Many of the off the shelf buildings have been modified to suit the layout location. Trees, whins and bushes are added where required to give the feeling of the Central Scottish countryside.

Around the station the scenery changes from open countryside to an urban environment which has been achieved

by using stone retaining walls, so typical of the area, coupled with a collection of Scenecraft low relief buildings and more scratchbuilt structures.

The roads have been detailed too using Metcalfe paving slabs plus a highly detailed cameo of workers maintaining underground cables on the road bridge.

### OPERATION

The plan was to create a layout where the operation would be as near to the real railway as possible. Trains would run as signalled, giving the operators the feeling of running real trains.

The layout is operable in analogue and Digital Command Control (DCC) modes, with all points and signals controlled from a traditional panel. Points are operated >>



**06** Right: Scenecraft low relief buildings make up the backdrop to the station.

**07** Below: Freightliner Shanks liveried Class 66 66522 leads a block cement working across the junction at Allanbridge. Above a Colas Rail Class 60 has charge of an engineers' train.





 On the road workmen see to repairs of the cables in the pavement.

using Tortoise motors, with accessory switches changing polarity on the live frogs as required. All this results in a reliable working railway which has proved robust in exhibition conditions too.

All signals are by CR Signals and operated via rotary switches. The route indicators are worked via accessory switches on the Tortoises, and wired so they can only indicate on a yellow or green aspect.

Three operators are required to run the layout at any one time. One person at the panel acts as signalman responsible for all routing and signalling of trains. There is also an operator at each fiddle yard. They are responsible for forming and running the trains as decided by the signalman. This method of running Allanbridge has met with approval from the members and definitely gives a 'real train' feel to operation.

Trains running on the layout are prototypical of those running in Central Scotland and offer a substantial variety too. Class 156, 158 and 170 Diesel Multiple Units handle the passenger work with freight trains operated by EWS, Freightliner, Colas Rail and Direct Rail Services operating daily. Classes on the roster include a pair of modified DRS Class 20/3s, Class 47s, Class 57s, EWS and Freightliner Class 66s, EWS Class 67s, Freightliner Powerhaul Class 70s and even the Network Rail converted Class 150 DMU. Adding further variety the layout also sees many charter trains as this line is popular with diesel and steam tours throughout the year, providing some variety from the diet of multiple units and freight. Candidates include a model of preserved Gresley 'A4' 4-6-2 60009 *Union of South Africa*.

## HOME AND AWAY

Allanbridge is primarily an exhibition layout, but is also operable permanently in Bonnybridge and District's clubrooms. As with all layouts there will be a few tweaks before they are totally satisfied with it, but the whole project has been very enjoyable and as a club is already looking forward to building the next railway – which hopefully will appear in the pages of *Hornby Magazine* before too long. 



 **Freightliner Powerhaul Class 70 70003 heads a train loaded with brand new vans across the bridge.**

# This month's **OXFORD** New Releases

1:72



Battle of Britain  
75th Anniversary Set  
72SET01A 1:72

De Havilland Tiger Moth -  
Classic Wings, Duxford  
72TM006 1:72

Dornier Do 335 Pfeil -  
Smithsonian Museum  
AC048 1:72

1:76



Land Rover Series II -  
Hong Kong Police  
76LAN2012 1:76

Mercedes Explosives  
Ordnance Disposal - Met Police  
76MA003 1:76

Bedford OYC Tanker -  
Eastern Command 1941  
76BD016 1:76

Scammell Pioneer -  
1st Armoured Div. 1942  
76SP007 1:76

Bedford OXD GS Truck -  
1st Armoured Div. 1941  
76BD017 1:76



Scania Irizar PB -  
Ulsterbus Tours  
76IRZ003 1:76

Scania Irizar PB -  
Wilfreda Beehive  
76IRZ002 1:76

Bedford OWB Bus -  
Bristol Tramways  
76WB010 1:76

Commer Commando - ANA  
76COM005 1:76



Whitby Morrison Mondial  
Ice Cream Van - Coronatos  
76WM003 1:76

Jaguar F Type - Stratus Grey  
76FTYP004 1:76

Jensen Interceptor -  
Old English White/Tan  
76JI007 1:76

Jaguar XJ Saloon -  
Carnelian Red  
76XJ003 1:76

Vauxhall FB Victor -  
Alaska White/Primrose  
76FB005 1:76

1:43



Austin Princess Hearse -  
Black and Silver  
APH003 1:43

Bedford QLD -  
Bertram Mills  
76QLD003 1:76

**NEW Tooling!**

Showmans Trailer -  
Bertram Mills  
76STR001 1:76

**NEW Tooling!**

1:148



Bedford OWB -  
Southern National  
NOWB004 1:148

Foden FG Dray - Scottish  
& Newcastle Breweries  
NFG005 1:148

Mini - Lime Green/Black  
NMN005 1:148

Messerschmitt KR200  
Bubble Car - Rouge Sarde  
18MBC001 1:18

**NEW Tooling!**

To order, call:  
**02380 248850**

Follow us on Twitter  
**@OxfordDiecastUK**

See more at:  
**www.oxforddiecast.co.uk**

OXFORD DIECAST LTD. PO Box 62, Swansea SA1 4YA Tel: 01792 643500

**OXFORD**   
Precision die-cast scale engineering  
at surprisingly inexpensive prices

# THE HEREFORD MODEL CENTRE

SALES LINE  
01432 352809

EMAIL US ON SALES@HEREFORDMODELS.CO.UK  
www.herefordmodels.com

4 COMMERCIAL ROAD, HEREFORD, HEREFORDSHIRE, HR1 2BA  
OFFICIAL HORNBY COLLECTORS CENTRE

## !!!!SPECIAL EDITIONS!!!!

Ltd Edition Hereford models  
Bachmann Limited Editions  
with Max run of 504

32-900Y CL108 in Blue/ Grey with Black  
window surrounds and Welsh Dragon embel-  
ishment on front C970 .....£69.95  
33-300F 20 Ton Toad Brake Van GWR Merthyr  
.....£11.35  
A Reese Coal Merchants Credenhill..... £9.75

## NEW RELEASES

R3169 Olton Hall GWR ..... £72.50  
R3281 Class 08 NRM..... £31.75  
R2784X Mallard .....£85.00  
R2881 LMS Class 5 Black .....£67.95  
R3219 1914 GWR Troop Train..... £142.50  
R3229 BR British Monarch .....£119.25  
R3230 LNER Class J1 .....£96.45  
R3231 BR Early Class J1 .....£96.45  
R3232 BR Late Class J1 .....£96.45  
R3242 BR Early Class K1 .....£114.25

## HORNBY Steam Locomotives

R3228 J94 NCB .....£65.75  
R3114A B1 BR Late .....£118.90  
R3118 N2 BR Late .....£74.95  
R3020 Flying Scotsman .....£126.50  
R3010 Class N15 Sir Sagamore.....£119.45  
R3188 N2 BR Late .....£74.95  
R3119 Duchess of Abercorn .....£107.50  
R3127 Schools Class Cheltenham SR. £55.50  
R3017XBR Patriot .....£119.00  
R2827 Cheltenham Schools..... £94.45  
R2999XB1 BR Early .....£106.99  
R2999 B1 BR Early .....£94.95  
R3060 Tornado (Railroad).....£61.45  
R3107 BR T9 .....£91.95

## HORNBY TRAIN PACKS

R2696 CL101 - 2 Car .....£65.25  
R2952 Imperial Airways.....£159.95  
R2981 London Olympic.....£158.00  
R3059 Tornado Train Pack.....£128.45  
R3154 Titfield Thunderbolt Set .....£98.45

## HORNBY Diesel Electric Locomotives

R3268 Class 67 Arriva .....£122.90  
R3283 Bagwall Shunter .....£25.75  
R3180 Tarmac Sentinel .....£44.95  
R3183 Class 67 Arriva .....£107.45  
R3136 Network Class 73.....£53.45  
R3146 CL101 Blue/Grey.....£78.45  
R3147 CL101 Green.....£78.45  
R2508 CL121.....£47.50  
R2508ACL121.....£45.75  
R2644 CL121 Choc/Cream .....£47.50  
R2646 CL56 BR Grey.....£72.95  
R2647 CL56 BR Grey.....£72.95  
R2650 CL66.....£51.95  
R2652 CL66.....£51.95  
R2668 CL121.....£45.75  
R2803XS CL31 BR .....£163.99  
R2977XS CL08 BR Green.....£158.00  
R3052 CL56 Richard Trevithick..... £98.45

R3141 CL60 Tata Steel.....£117.45  
R3161BSR 2 BIL Green.....£120.60  
R3290A BR 2 HAL Green.....£113.90

## HORNBY TRACK

R070 Turntable .....£57.95  
R083 Buffer Stop .....£1.35  
R207 Track Fixing Pins .....£1.75  
R394 Hydraulic Buffer .....£3.95  
R600 Straight.....£1.30  
R601 Double Straight.....£1.95  
R604 Curve 1st Rad.....£1.75  
R605 Double Curve 1st Rad.....£2.05  
R606 Curve 2nd Rad.....£1.70  
R607 Double Curve 2nd Rad.....£2.20  
R608 Curve 3rd Rad.....£1.70  
R609 Double Curve 3rd Rad.....£1.95  
R610 Short Straight.....£1.15  
R614 LH Diamond Crossing.....£9.25  
R615 RH Diamond Crossing.....£9.25  
R617 Uncoupling Ramp .....£2.30  
R618 Double Isolating Rail .....£6.95  
R620 Railer Uncoupler.....£4.25  
R628 Half Curve 3rd Rad.....£1.70  
R643 Half Curve 2nd Rad.....£1.40  
R8026 Power Track .....£3.75  
R8072 LH Point.....£8.45  
R8073 RH Point .....£8.45  
R8074 LH Curved Point.....£14.25  
R8075 RH Curved Point.....£14.25  
R8076 Y Point.....£10.25  
R8077 LH Express Point.....£13.95  
R8078 RH Express Point.....£13.95

## HORNBY Track Accessories

R076 Footbridge.....£11.85  
R169 Junction Home Signal.....£8.50  
R170 Junction Distant Signal.....£8.50  
R171 Single Home Signal.....£6.50  
R172 Single Distant Signal.....£6.50  
R189 Single Brick Bridge .....£6.65  
R394 Hydraulic Buffer .....£3.95  
R406 Colour Light Signal.....£18.95  
R499 River Bridge.....£10.70  
R574 Trackside Accessories.....£10.00  
R626 Point Underlay .....£3.20  
R636 Double Level Crossing.....£15.25  
R638 Track Underlay .....£7.95  
R645 Single Level Crossing.....£8.95  
R657 Girder Bridge.....£11.45  
R658 Inclined Pier Set .....£8.50  
R659 High Level Pier Set.....£5.60  
R660 Elevated Track Side Walls .....£16.45  
R909 Track Supports.....£6.45

## HORNBY TRACKSIDE

R8008 Suspension Bridge.....£35.95  
R334 Station Canopy.....£18.95  
R460 Straight Platform .....£2.95  
R462 Large Curve Platform.....£3.95  
R463 Small Curve Platform.....£3.20  
R464 Platform Ramp.....£3.20  
R495 Platform Subway .....£3.20

R510 Platform Shelter .....£9.45  
R513 Platform Fencing.....£6.45  
R514 Platform Canopies.....£10.45  
R590 Station Halt.....£17.95  
R8000 Country Station .....£26.75  
R8001 Waiting Room.....£15.85  
R8002 Goods Shed.....£18.95  
R8003 Water Tower.....£10.95  
R8004 Engine Shed.....£16.50  
R8005 Signal Box.....£13.75  
R8006 Diesel Maintenance Depot.....£18.75  
R8007 Booking Hall.....£22.45  
R8009 Station Terminus .....£40.00

## HORNBY Control Equipment

R044 Point Switch .....£5.95  
R046 Two Way Switch.....£5.95  
R047 On/Off Switch.....£5.95  
R602 Power Connecting Clip.....£1.50  
R8014 Point Motor.....£3.65  
R8015 Point Motor Housing.....£2.95

## BACHMANN Steam Locomotives

31-137 LNER D11/2 Black .....£106.20  
31-138 BR D11/2 Early Black.....£106.20  
31-319 J11 BR Early.....£76.45  
31-086 Earl Class BR Black.....£98.50  
31-087DC Earl Class GWR Green.....£110.95  
31-881 Class 4F BR Early.....£76.45  
32-261 WD Austerity .....£110.40  
32-260DC Wd Austerity .....£125.29  
31-933 BR Compound Late Crest .....£112.88  
31-932DC BR Compound.....£127.75  
31-136DC D11/2 .....£115.9  
31-135 Lady of the Lake D11.....£100.25  
31-979 BR Standard 3MT.....£78.40  
31-213DS Patriot BR Late.....£201.45  
32-140 BR Green Prairie.....£68.30  
31-128 BR ROD Weathered.....£102.45  
31-127 Class 3000 BR Early ROD ...£118.45  
31-465 C Class BR .....£93.46  
31-464 C Class SR .....£96.00  
32-550A A1 Tornado Apple Green...£109.45  
32-550B Tornado BR Green .....£127.95  
31-965 A4 Wild Swan BR .....£94.45  
32-551DS A2 Seaeagle BR .....£196.99  
31-964 A4 W Whitelaw BR.....£94.45  
31-001 Robinson BR Late Crest .....£94.99  
31-003 Robinson LNER.....£94.99  
31-479 G2A BR Black Late .....£80.95  
31-527 A2 Tudor Minstrel .....£96.45  
31-530 A2 Sugar Palm .....£107.99  
32-130 CL45 Prairie BR Green Late £59.75  
32-311 BR Early Collett.....£52.65

32-500 5MT Class BR - 73068.....£70.99  
31-626A 3F BR.....£71.25  
31-627A 3F LMS .....£71.25  
31-500B V2 Green Arrow .....£85.70  
31-564 V2 Durham Schools .....£85.70  
31-565 V2 BR Green.....£85.70  
32-954 4MT Black BR Early.....£87.50  
32-955 4MT Black BR Late .....£87.50

## BACHMANN Diesel/Electric Locomotives

32-928 Class 150 Sprinter .....135.95  
32-937 Class 150 Centro .....£127.45  
32-938 Class 150 Northern Rail.....£127.45  
31-995 LMS 10000 BR Green .....£89.45  
31-996 LMS 10000 BR Green .....£89.45  
32-118 Class 08 Haversham.....£61.15  
32-815 Class47 InterCity .....£89.20  
31-658 Class 47 Petroleum Sector...£97.70  
32-980 Class 66 GBRF.....£86.40  
31-655 Class47 Railfreight .....£86.35  
31-256DC Midland Pullman .....£269.95  
31-653 Cl47 Scotrail .....£86.35  
32-906 CL108 Green .....£93.50  
32-913 CL108 3 Car Green .....£114.50  
32-781A CL37/0 BR Blue.....£83.89  
32-515A Derby Lightweight Green ...£93.97  
32-516A Derby Lightweight Green ...£93.97  
31-677 CL85 BR Blue .....£85.99  
31-268 MLV NSE .....£83.26  
31-269 MLV Jaffa Cake .....£83.26  
31-426 CL411 BR Green .....£99.99  
31-377 CL416 2EPB .....£85.99  
31-575 Windhoff MPV NWR .....£108.00  
31-326A CL105 BR Green .....£80.50  
32-526DS CL55 BR Blue .....£147.50  
32-679DS CL45 BR Green.....£151.95  
32-750 DC - CL57 FL - 57008 .....£52.95  
32-900B CL108 BR Green .....£71.45  
32-910 CL108 Blue/Grey.....£74.95  
32-926 CL150 Regional.....£63.50  
31-265 MLV Green.....£62.45  
31-266 MLV with yellow panel .....£62.45  
31-267 MLV Blue/Grey.....£62.45

## ORDER BY TELEPHONE

Orders taken 6 days a week  
9-5.30 Monday to Saturday  
01432 352809

## MAIL ORDER SERVICE

ALL PRICES VALID UNTIL 30.04.15

You must state these prices when ordering

POSTAGE & PACKING RATES PER ORDER:

UK Standard Postage .....£3.95p  
UK Insured Postage and Packing Rate .....£7.10p  
UK Courier Transport and Packing Rate .....£9.00p  
Worldwide at cost. VAT free to non EC.

\*\*Train Sets/Packs and Controllers/Handsets  
Postage charged at cost\*\*

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

\*\*\*Please allow 7 days for clearance when paying by cheque\*\*\*

PLEASE QUOTE OUR SPECIAL PRICES WHEN YOU VISIT US.

Credit Cards Welcome - Visa, Mastercard, Maestro

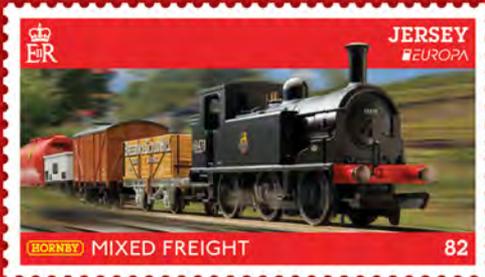
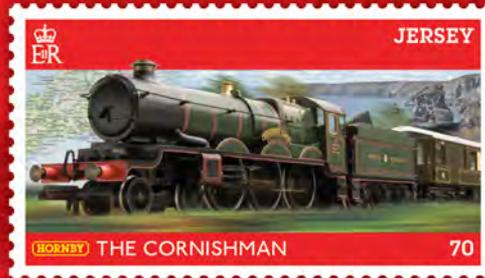
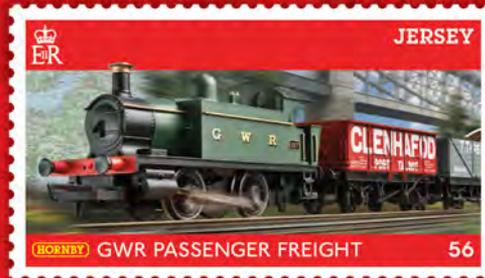
Please state expiry date

EUROPA 2015

# TRADITIONAL TOYS

**HORNBY®**

Available from 24 March 2015



The six stamps in this wonderfully nostalgic issue feature illustrations based on actual artworks used to produce Hornby train set boxes.

Set of six stamps  
£4.07 +VAT

Stamps also available beautifully mounted.\*  
The perfect gift!  
**£12.99**  
+VAT



Stamps First Day Cover **£5.22** +VAT  
(Features special day of issue postmark)

Stamps Presentation Pack  
**£5.22** +VAT

**HORNBY®**

EUROPA 2015

# TRADITIONAL TOYS

JERSEY POST

See the full range at

**www.jerseystamps.com**

Email: stamps@jerseypost.com Tel: +44(0) 1534 516320

f www.facebook.com/jerseystamps @JerseyStamps



# *Post war* **BRANCH LINES**

The British branch line is now almost extinct but **EVAN GREEN-HUGHES** wonders whether, if history had taken a different route, we might have had more modern image branch lines to model in 2015.

Branch lines nationwide might have had a brighter future had a different view been taken in the 1960s. 'D49' 4-4-0 62271 runs beside the River Spey near Dalvey between Advie and Cromdale with the 2.55pm Cragellachie to Boat of Garten train on May 27 1955.

David Hepburne-Scott/Rail Archive.



Branch line closures weren't confined to rural areas. The Epping and Ongar branch, which once linked the London Transport and BR networks, is now a preservation site, but on April 14 1957 it was a busy interchange as 'F5' 2-4-2T 67200 takes water at Epping after arriving with the 12.27pm from Ongar alongside a Central Line train. K Cook/Rail Archive Stephenson.



**I**MAGINE the delights of the country terminus with its quaint station and scattering of staff, a fan of sidings holding the occasional wagon. The single platform fills with passengers awaiting the next train to the nearby big town as in the yard a solitary lorry arrives with goods for the midday train. Under the bridge at the end of the platform the signal clicks over to a 'proceed' aspect and the train rolls into view.

If we had been in Britain we'd have been lucky to find a branch line which was open at all: many were closed in the years just before and just after nationalisation and most of those left finally got the chop from Beeching's famous axe a few years later. Yet in Europe there are still a considerable number of minor lines open to traffic and in some rural areas the train is still seen as an integral part of the transport infrastructure. This leads inevitably to the question as to whether the British branch line could have been saved and if so what would it look like today.

### COMPETING MODES

Many of the problems of British minor lines date from the 1920s when the rise in road transport began to have a significant impact on the country's transport system. Lorries could offer a quicker and more cost-effective way of transporting goods over short distances while buses could pick up and drop passengers in the heart of a village, saving the intending passenger a walk sometimes to an inconveniently sited station. In answer to this problem the railways began to cut costs, with this period becoming the golden age of the push-pull autotrain and the steam railmotor.

There was some dabbling with internal combustion railcars, particularly by the North Eastern Railway and later by the London and North Eastern Railway (LNER) but these were not particularly successful, the company getting more useful work out of a fleet of Sentinel railcars. Only the Great Western successfully used diesel railcars, and even then not primarily for branch line work. 1,300 miles of line were closed in this period.

By the time the Second World War broke out little had been done to alter the way branch lines operated and heavy losses ensued, but these were viewed as a necessary evil by the railway companies which realised the value of the traffic that these lines generated for their more major routes. During the conflict there was very little time to think about the way individual lines performed and in any case most saw a dramatic increase in traffic as petrol was rationed and more passenger traffic was generated by the comings and goings of those involved in the war effort.

The railways came out of the war in a very run down state. Most maintenance programmes were years behind and dramatic improvements were not on the cards for the country was in debt far beyond its eyeballs. However, the system was still capable of functioning and function it did, providing an



**While one committee worked on reducing branch lines another was working on new traction including this Derby Lightweight single car DMU. M79900 stands at an empty Buckingham on January 2 1960.**  
[www.railphotoprints.co.uk](http://www.railphotoprints.co.uk)



everyday and most necessary service.

The same was not true in a great deal of Europe where the ravages of the fighting had ensured that much of the railway system was in complete disarray. A huge amount of track mileage was completely unusable, many of the locomotives and much of the rolling stock had been damaged beyond repair and stations and infrastructure had been destroyed. Rebuilding and reequipping was the only answer.

## A GRAND PLAN

As soon as Britain's railways were nationalised in 1948 efforts were made to stem the losses being incurred by branch lines. A committee, appropriately called the Branch Lines Committee, was formed but this was specifically tasked with seeking out loss making lines and closing them. No thought was given as to how they might be saved as part of an integrated transport system. In the following six years this committee oversaw the removal of a further 3,318 miles of track from the network.

On the continent things were a little different. There many branch lines were saved and were equipped with modern traction units, such as railcars or railbuses, which were also capable of towing a trailer containing goods. These trains were equipped with steps so that they could stop at road crossings or cheaply built halts without platforms to pick up passengers. More important was the way in which the staff on these lines were reorganised so that they became more flexible. In some cases for instance, a driver would collect fares from his passengers as he went along, something that would have been unthinkable in the UK.

British Railways, meanwhile, became very good at forming committees. Its Lightweight Trains Committee of 1951 was charged with reducing the cost of operating minor lines by the introduction of alternative forms of train. Members travelled to Europe to see the diesels at work but also seriously considered steam options too. In 1952 they came down on the side of the Diesel Multiple Unit (DMU) and dismissed the railbus as used in Europe and with it the idea of a bus-style service on branch lines. There seems to have been little if any contact between the two committees, which

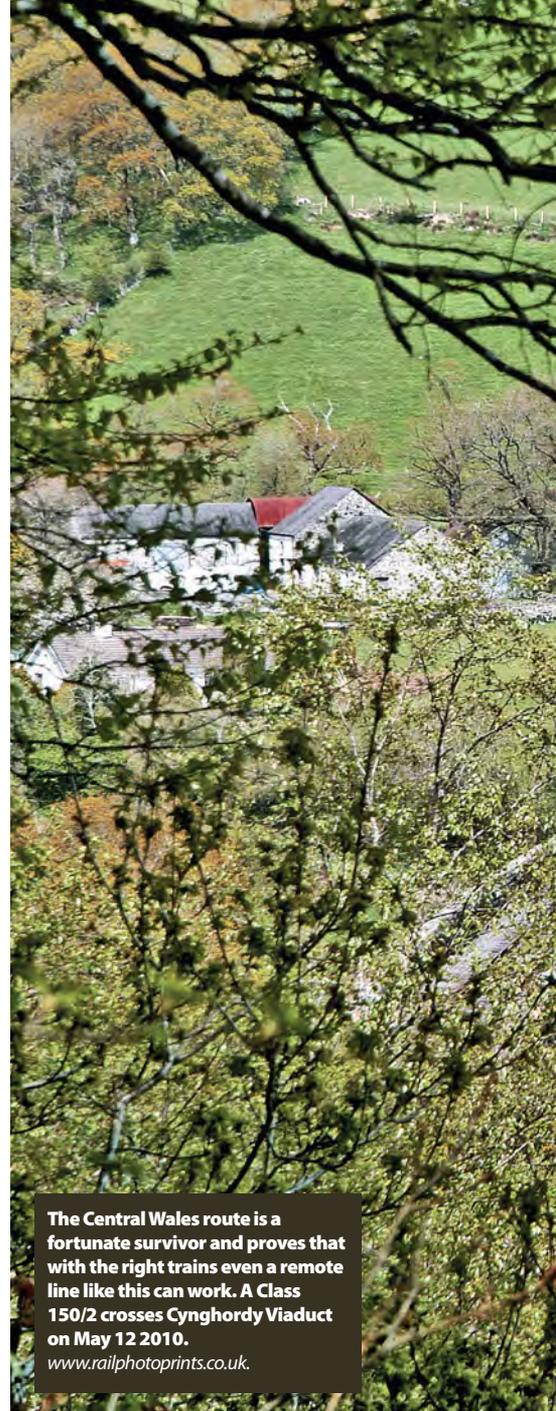
were in effect working at the same problem.

While all this was going on what was left of the branch line network carried on much as before. Every line had its full complement of stationmasters, porters, signalmen, track workers, shunters, drivers, firemen, cleaners, guards and inspectors. No one dared interfere with anyone else's job and even if there was only a sparse service provided by a diesel unit then all these people had to be paid. This was in stark contrast to many areas of Europe where on some branches the only staff to be seen were those on the train itself.

While the railways paid their way in the initial years after nationalisation by 1952 the network had slipped into deficit and by 1961 annual losses were running at £86.9m a year. The Government appointed Dr Beeching to see what could be done and he famously came to the conclusion that half of the total route mileage generated only four per cent of the total revenue and therefore much of the system must go – including most of the remaining branch lines.

The parameters of the study were very narrow and took no account of the social benefit of railways, the cost of providing unemployment money to displaced workers, nor of the cost of replacement roads or the associated road transport. This was totally the opposite to many areas of Europe where successive governments had realised that branch lines generated substantial feeder traffic for the main lines and were a vital part of the economy of the areas they served. Of course they did not make a profit but the governments of those countries felt that they were worthwhile enough to be subsidised from the central pot.

Ironically in the UK the Beeching plan did not solve the problems of the railway system and losses continued. Within a decade it became obvious that some sort of central support would be required and this eventually appeared in the form of the Public Service Obligation Grant, which was a sum of money used to bridge the gap between what the railway cost to run and what it was taking from its passengers. Railways were not now expected to cover their costs but by then the bulk of the branch lines had already gone and so there was not a chance to follow the example of Europe in keeping them open on a subsidised basis.



**The Central Wales route is a fortunate survivor and proves that with the right trains even a remote line like this can work. A Class 150/2 crosses Cynghordy Viaduct on May 12 2010.**  
[www.railphotoprints.co.uk](http://www.railphotoprints.co.uk)

## AN ALTERNATIVE FUTURE

So could Britain have kept its branch lines? The answer theoretically is probably yes but there would have to have been much more resolve to accept change from both BR and from its workers. Both would have had to accept the principle of stations without staff much earlier and would have had to look towards investing in things like more up to date signalling so that branch lines could be run without having to man several signalboxes along the route. Elaborate rules and regulations covering the construction of stations would have had to have been relaxed so that halts could have been provided at the lowest cost and agreement would have had to have been reached to man trains with the minimum of personnel. Finally the government would have had to realise that grant aid was needed several years before it actually dawned on anyone that this would be the case.

If you visit many of our European neighbours today you will find ultra-modern low floor diesel, battery and electric units



and tram-trains working classic branch lines, some of which still retain basic freight services. Ironically with the current financial crisis involving the Euro some of them in countries such as Spain are now at serious risk as the governments withdraw or scale down state aid for their operation.

Here in the UK we have few true branches left and those that do still survive are operated from signalboxes many miles away, by multiple units with a minimum crew, something that might have saved at least some lines had it happened earlier.

In retrospect it is easy to criticise British Railways for being so slow to adapt, the workers and unions for campaigning for their jobs and the government of the day for not wanting to pour money into the railways. Times then were very different from what they are today, and so were priorities. However it is a bittersweet prospect to realise that some of those lines could have existed until today and to realise what good subjects they would have made for us to model. 

**Could the Hayling Island branch have been saved if the Branch Line Committee had a different outlook? And what might we have seen in place of the Stroudley 'Terriers' which once worked this light railway? On November 2 1963 'Terrier' 0-6-0T 32650 crosses Langston Bridge with the 1.35pm Havant to Hayling Island train on the last day of service. Brian Stephenson.**



# SHOW GUIDE

Welcome to the *Hornby Magazine Show Guide* – your guide to the exhibitions that are taking place throughout the country every weekend. This listing is a guide to events planned by model railway clubs and societies, and is updated each issue. Entries marked in blue are new shows to the listing. We recommend checking the society website or using the contact details provided to check a show or event is on before travelling. All information is provided in good faith, and *Hornby Magazine* cannot be held responsible for any changes that may take place following publication.

## MARCH 2015

### 14 MODRAIL 2015 MODEL RAILWAY EXHIBITION

**Hosts:** Swindon Model Railway Club  
**Location:** STEAM Museum of the Great Western, Fire Fly Avenue, Swindon, Wiltshire SN2 2EY  
**Times:** 10am-4.30pm  
**Prices:** Adults £4, accompanied children free  
**Website:** [www.modrail.org.uk](http://www.modrail.org.uk)  
**Contact:** 07880 654755  
**Features:** 12 layouts, trade support, refreshments, parking and disabled access. Discounted entry to STEAM available to Modrail 2015 visitors.

### 14 SAWBRIDGECORTH MODEL RAILWAY EXHIBITION

**Hosts:** Sawbridgeworth Memorial Hall  
**Location:** Sawbridgeworth Memorial Hall, The Forebury, Sawbridgeworth, Hertfordshire CM21 9DB  
**Times:** 10.30am-4.30pm  
**Prices:** Adults £3, concessions £1, children £1  
**Website:** [www.sawbridgeworthmodelrail.org.uk](http://www.sawbridgeworthmodelrail.org.uk)  
**Contact:** [sawbridgeworthshow@gmail.com](mailto:sawbridgeworthshow@gmail.com)  
**Features:** 10 layouts, trade support and refreshments.

### 14/15 BASINGSTOKE MODEL RAILWAY EXHIBITION

**Hosts:** Basingstoke and North Hampshire Model Railway Society  
**Location:** Aldworth Science College, Western Way, Basingstoke RG22 6HA  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £5, children £4  
**Website:** [bnhmrs.hampshire.org.uk](http://bnhmrs.hampshire.org.uk)  
**Contact:** 07554 010054  
**Features:** 25 layouts, trade support, demonstrations, refreshments, parking and disabled access.

### 14/15 EAST ANGLIAN MODEL RAILWAY EXHIBITION

**Hosts:** St Neots Model Railway Club  
**Location:** Britten Arena, Wood Green Animal Charity Centre, Godmanchester, Huntingdon PE29 2NH  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £7, children £4, family (2+2) £20  
**Website:** [www.stneotsmrc.com](http://www.stneotsmrc.com)  
**Contact:** 01480 454927  
**Features:** 35 layouts, trade support, refreshments, parking and disabled access. Free vintage bus service from Huntingdon railway station.

### 14/15 EAST GRINSTEAD MODEL RAILWAY EXHIBITION

**Hosts:** East Grinstead Model Railway Club  
**Location:** Sackville School, Lewes Road, East Grinstead, West Sussex RH19 3TY  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £4.50, concessions £3.50, children £3.50  
**Contact:** 01342 314228  
**Features:** 14 layouts, trade support, refreshments, parking and disabled access.

### 14/15 MIDLANDS GARDEN RAIL SHOW

**Hosts:** Meridienne Exhibitions  
**Location:** Warwickshire Exhibition Centre, Nr Leamington Spa CV32 1XN  
**Times:** Sat 10am-4pm, Sun 10am-4pm  
**Prices:** Adults £8.50 (£7.50), concessions £7.50 (£6.50), children £3 (£2) – advance ticket prices in brackets  
**Website:** [www.largescalmodelrail.co.uk](http://www.largescalmodelrail.co.uk)  
**Contact:** 01926 614101  
**Features:** Layouts, trade support, live steam models, refreshments and parking.

### 14/15 PERTH GREEN MODEL RAILWAY EXHIBITION

**Hosts:** Perth Green Model Railway Club  
**Location:** Perth Green Community Centre, Inverness Road, Jarrow NE32 4AQ  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £5, children £2, family (2+2) £12  
**Website:** [www.perthgreenmrc.org](http://www.perthgreenmrc.org)  
**Features:** Layouts, trade support, photographic display and demonstrations.

### 21 FELIXSTOWE AREA 'N' GAUGE GROUP OPEN DAY

**Hosts:** Felixstowe Area 'N' Gauge Group  
**Location:** Welcome Hall, High Road, Trimley St. Mary, IP11 0NT  
**Times:** 11am-4pm  
**Prices:** Free  
**Website:** [www.felixstowengauge.org.uk](http://www.felixstowengauge.org.uk)  
**Contact:** 01394 277211  
**Features:** Layouts, trade support and refreshments.

### 21 NEWTON AYCLIFFE MODEL RAILWAY EXHIBITION

**Hosts:** Rotary Club of Newton Aycliffe  
**Location:** Newton Aycliffe Youth Centre, Burn Lane, Newton Aycliffe, DL5 4HT  
**Times:** 10am-5pm  
**Prices:** Adults £4, concessions £3, children 50p  
**Contact:** 07870 210269  
**Features:** 18 layouts, trade support, societies, refreshments, parking and disabled access.

### 21 TADWORTH SPRING MODEL RAILWAY EXHIBITION

**Hosts:** North Downs Model Railway Circle  
**Location:** The Good Shepherd Church Hall, Station Approach Road, Tadworth, Surrey KT20 5AE  
**Times:** 10am-5pm  
**Prices:** Adults £6, concessions £5, children £4, family (2+2) £12  
**Website:** [www.ndmrc.info](http://www.ndmrc.info)  
**Contact:** 07758 458827  
**Features:** 25 layouts, trade support, refreshments, parking and disabled access.

### 21 WEALDEN RAILWAY GROUP PERSONAL LAYOUT SHOW

**Hosts:** Wealden Railway Group  
**Location:** Saxon Room, The Steyning Centre, Fletcher's Croft, Steyning, West Sussex BN44 3XZ  
**Times:** 10am-4.30pm  
**Prices:** Adults £3.50, accompanied children free  
**Website:** [wealden.weebly.com](http://wealden.weebly.com)  
**Features:** Eight layouts and refreshments.

### 21/22 BRIERFIELD MODEL RAILWAY EXHIBITION

**Hosts:** Brierfield Model Railway Club  
**Location:** St Luke's Church Hall, Brierfield, Nelson BB9 5JW  
**Times:** Sat 10am-5pm, Sun 10am-5pm  
**Prices:** Adults £3.50, children £2, family (2+2) £10  
**Contact:** 07770 331348  
**Features:** Layouts, trade support, drive-a-train, refreshments and disabled access.

### 21/22 KEIGHLEY MODEL RAILWAY EXHIBITION

**Hosts:** Keighley Model Railway Club  
**Location:** Victoria Hall, Keighley, West Yorkshire BD21 3JN  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £5, concessions £4, children £3, family (2+2) £13  
**Website:** [www.keighley-mrc.org.uk](http://www.keighley-mrc.org.uk)  
**Features:** Layouts, trade support, demonstrations, parking and refreshments.

### 21/22 NOTTINGHAM MODEL RAILWAY EXHIBITION

**Hosts:** Nottingham MRS  
**Location:** Hadden Park High School, Harvey Road, Bilborough, Nottingham NG8 3BB  
**Times:** Sat 9.30am-5.30pm, Sun 10am-5pm  
**Prices:** Adults £8, concessions £7, children £2, family (2+2) £18  
**Website:** [www.nottingham-modelrailway.org.uk](http://www.nottingham-modelrailway.org.uk)  
**Contact:** 07724 696006  
**Features:** 20 layouts, trade support, demos, societies, refreshments, parking and disabled access.

### 21/22 ORMESBY HALL MODEL RAILWAY WEEKEND

**Hosts:** Ormesby Hall Model Railway Group  
**Location:** Ormesby Hall National Trust, Ladgate Lane, Middlesbrough, TS3 0SR  
**Times:** Sat 10am-5pm, Sun 10am-5pm  
**Prices:** Adults £2.50, children £1, National Trust members free

**Website:** [www.ormesbyhallmrg.co.uk](http://www.ormesbyhallmrg.co.uk)

**Features:** Layouts, trade support, demonstrations and refreshments.

### 21/22 ROCSDALE MODEL RAILWAY EXHIBITION

**Hosts:** Heywood Model Railway Group  
**Location:** Rochdale Town Hall, The Esplanade, Rochdale, Lancashire OL16 1AB  
**Times:** Sat 11am-5pm, Sun 10am-4pm  
**Prices:** Adults £4, concessions £3, children £3, family (2+2) £11  
**Website:** [www.hmrg.co.uk](http://www.hmrg.co.uk)  
**Contact:** 07732 781989  
**Features:** 17 Layouts, trade support and refreshments.

### 22 G RAIL 2015 MODEL RAILWAY EXHIBITION

**Hosts:** G Scale Society  
**Location:** Staffordshire Showground, Weston Road, Stafford, Staffordshire ST18 0BD  
**Times:** 10am to 5pm  
**Prices:** Adults £6, society members £4, accompanied children free  
**Website:** [www.gscalesociety.com](http://www.gscalesociety.com)  
**Contact:** 01902 752061  
**Features:** Layouts, trade support, societies, demonstrations, miniature railway, refreshments, parking and disabled access. Free shuttle bus between Stafford railway station and venue.

### 22 HEREFORDSHIRE BORDERS O GAUGE GROUP RUNNING DAY

**Hosts:** Herefordshire Borders O Gauge Group  
**Location:** Eardisland Village Hall, Eardisland, Nr Leominster, Herefordshire HR6 9BP  
**Times:** 10am-4.30pm  
**Prices:** Adults £2, children free  
**Contact:** 01544 387972  
**Features:** Test track, trade support, displays and light refreshments.

### 27-29 TAUNTON MODEL RAILWAY GROUP – OPEN DAYS

**Hosts:** Taunton Model Railway Group.  
**Location:** Platform One, Bishops Lydeard Station, West Somerset Railway TA4 3RU  
**Times:** 10.30am-5pm  
**Prices:** Small admission charge  
**Website:** [www.bathgreenpark.co.uk](http://www.bathgreenpark.co.uk)  
**Contact:** 01984 639509  
**Features:** Tamerig and Bath Green Park layouts in operation.

### 28 BELPER MODEL RAILWAY EXHIBITION

**Hosts:** Belper Model Railway Group  
**Location:** Strutt's Centre, Derby Road, Belper, Derbyshire DE56 1UU  
**Times:** 10am-5pm  
**Prices:** Adults £3, concessions £2.50, children £1.50  
**Website:** [www.bmrg.coffeecup.com](http://www.bmrg.coffeecup.com)  
**Contact:** 01283 703300  
**Features:** Six layouts, trade support, refreshments parking and disabled access.

### 28 CLACTON-ON-SEA MODEL SHOW

**Hosts:** Tendring Hundred Model Railway Club  
**Location:** Brotherhood Hall, St Osyth Road, Clacton-on-Sea CO15 3BW  
**Times:** 10am-4.30pm  
**Prices:** Adults £3, children £2, family £7  
**Contact:** 01255 435733  
**Features:** Layouts, trade support, demonstrations, dolls houses, refreshments and disabled access.

### 28/29 LONDON FESTIVAL OF RAILWAY MODELLING

**Hosts:** The Model Railway Club  
**Location:** Alexandra Palace, Alexandra Palace Way, London N22 7AY  
**Times:** Sat 10am to 5pm, Sun 10am-4.30pm  
**Prices:** Adults £12, children £6, family £36  
**Contact:** 01778 391123

**Features:** 40 layouts, trade support, societies, demonstrations, refreshments, parking and disabled access.

#### 28/29 MERSEYSIDE HOBBIES AND MODEL RAILWAY EXHIBITION

**Hosts:** World of Motion  
**Location:** St Mary's Catholic College, Wallasey Village, Wallasey, Wirral, Merseyside CH45 3LN  
**Times:** Sat 11am-4pm, Sun 10.30am-4pm  
**Prices:** Adults £4.50, children £1  
**Website:** [www.worldofmotion.co.uk](http://www.worldofmotion.co.uk)  
**Contact:** 0151 638 3915  
**Features:** Layouts, trade support, societies, club stands, model boats, aircraft, road vehicles and refreshments.

#### 28/29 NORTANTS MODEL-EX 2015

**Hosts:** Northants Model Makers  
**Location:** Windmill Primary School, Windmill Lane, Raunds, Northants NN9 6LA  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £3, children £1.50  
**Website:** [www.northantsmodelmakers.org.uk](http://www.northantsmodelmakers.org.uk)  
**Features:** Layouts, trade support, displays, model vehicles, model boats, radio control and refreshments.

#### 29 ALDRIDGE MODEL TRANSPORT EXHIBITION

**Hosts:** Aston Manor Road Transport Museum  
**Location:** Transport Museum, Shenstone Drive, Aldridge, Walsall WS9 8TP  
**Times:** 10.30am-4.30pm  
**Prices:** Adults £5, children £2, family (2+3) £13  
**Website:** [www.amrtm.org](http://www.amrtm.org)  
**Contact:** 01922 454761  
**Features:** 30 layouts, trade support, model tramcars, trolleybuses, boats, live steam, refreshments and disabled access. Regular free vintage bus operating between Walsall and venue.

## APRIL

#### 3/4 SHERBORNE EASTER MODEL RAILWAY SHOW

**Hosts:** Wessex Association of Model Railway Clubs  
**Location:** Digby Hall, Hound Street, Sherborne, Dorset DT9 3AA  
**Times:** Fri 10am-4.30pm, Sat 10am-3.30pm  
**Prices:** Adults £5, children £2  
**Contact:** 01963 440167  
**Features:** Layouts, trade support, demonstrations, refreshments and disabled access.

#### 4 CEFN COED MODEL RAILWAY SHOW

**Hosts:** Neath Model Railway Club  
**Location:** Cefn Coed Colliery Museum, Crynant, Neath, West Glamorgan  
**Times:** 10am-4pm  
**Prices:** Free  
**Contact:** 01639 842282  
**Features:** Layouts, trade support, refreshments and parking.

#### 4 NORTH CORNWALL AND DEVON MRC OPEN DAY/EXHIBITION

**Hosts:** North Cornwall and Devon Model Railway Club  
**Location:** Chilsworthy Village Hall, Chilsworthy, Holsworthy, Devon EX22 7BQ  
**Times:** 10am-4pm  
**Prices:** Adults £3, accompanied children free, unaccompanied children £1  
**Contact:** [lescjohnson@tiscali.co.uk](mailto:lescjohnson@tiscali.co.uk)  
**Features:** 12 layouts, trade support, refreshments, parking and disabled access.

#### 4/5 TURNER'S FOLLY MODEL RAILWAY EXHIBITION

**Hosts:** Turner's Folly Model Railway Group  
**Location:** Barleylands Farm, Barleylands Road, Billericay, Essex CM11 2UD  
**Times:** Sat 10am-5pm, Sun 10am-5pm  
**Prices:** Adults £6, concessions £5, children £4, family (2+2) £15  
**Website:** [www.turnersfolly.co.uk](http://www.turnersfolly.co.uk)  
**Contact:** 07976 353103  
**Features:** 16 layouts, trade support, demonstrations, refreshments, parking and disabled access.

#### 4-6 YORK MODEL RAILWAY SHOW

**Hosts:** York Model Railway Society  
**Location:** Knavesmire Stand, York Racecourse, York YO23 1EX  
**Times:** Sat/Sun 10am-5pm, Mon 10am-4.30pm  
**Prices:** Adults £9, children £4, family (2+3) £22  
**Website:** [www.yorkshow.org.uk](http://www.yorkshow.org.uk)  
**Features:** 40 layouts, trade support, demonstrations, societies, refreshments and free parking.

#### 4-6 GAINSBOROUGH MODEL RAILWAY SOCIETY - OPEN DAYS

**Hosts:** Gainsborough Model Railway Society  
**Location:** Florence Terrace, Gainsborough, Lincolnshire DN21 1BE  
**Times:** Sat 1.30pm-6pm, Sun 1.30pm-6pm, Mon 10.30am-6pm  
**Prices:** Adults £4, concessions £3, children £3, family (2+2) £10  
**Website:** [www.gainsboroughmodelrailway.co.uk](http://www.gainsboroughmodelrailway.co.uk)  
**Contact:** 01427 615871  
**Features:** Showcasing the LNER in the heyday of steam, featuring dozens of 'O' gauge trains on the club's extensive East Coast layout.

#### 11 BECKENHAM VINTAGE MODEL RAILWAY EXHIBITION

**Hosts:** Beckenham and West Wickham Model Railway Club  
**Location:** St John's Church, Eden Park Avenue, Eden Park, Kent BR3 3JN  
**Times:** 10am-5pm  
**Prices:** Adults £5, accompanied children free  
**Website:** [www.bwmrc.co.uk](http://www.bwmrc.co.uk)  
**Contact:** 07702 899553  
**Features:** Vintage layouts, trade support, refreshments and disabled access.

#### 11 EAST SURREY N GAUGE MODEL RAILWAY EXHIBITION

**Hosts:** East Surrey N gauge  
**Location:** St Joseph's Catholic Primary School, Linkfield Lane, Redhill, Surrey RH1 1DU  
**Times:** 10am-4pm  
**Prices:** Adults £4, children £2, family £10  
**Website:** [www.esng.co.uk](http://www.esng.co.uk)  
**Contact:** 01737 764217  
**Features:** Nine layouts, trade support, refreshments, parking and disabled access.

#### 11 HILLINGDON RAILWAY MODELLERS TEST TRACK OPEN DAY

**Hosts:** Hillingdon Railway Modellers  
**Location:** Yiewsley Baptist Church Hall, 74 Colham Avenue, Yiewsley, Hillingdon, London UB7 8HF  
**Times:** 10am-4pm  
**Prices:** Adults £4  
**Website:** [www.hillingdonrailwaymodellers.co.uk](http://www.hillingdonrailwaymodellers.co.uk)  
**Contact:** 020 8368 4090  
**Features:** Two large club test tracks in 'O' and 'OO' available, club sales and refreshments.

#### 11 IPSWICH RAILWAY MODELLER'S ASSOCIATION OPEN DAY

**Hosts:** Ipswich Railway Modeller's Association  
**Location:** 40a Norfolk Road, Ipswich, IP4 2HB  
**Times:** 10am-1pm  
**Prices:** Free  
**Website:** [www.irma.co.uk](http://www.irma.co.uk)  
**Contact:** 01473 251017  
**Features:** Member projects, club stall and refreshments.

#### 11 JOHN KEBLE CHURCH MODEL RAILWAY EXHIBITION

**Hosts:** John Keble Church  
**Location:** John Keble Church Hall, Church Close, Off Deans Lane, Edgware HA8 9NS  
**Times:** 10.30am-4.30pm  
**Prices:** Adults £4, concessions £3.50, children £2.50, family (2+2) £10.50  
**Contact:** 0208 906 2816  
**Features:** Layouts, trade support, refreshments and disabled access.

#### 11 NORWICH RAILWAY HERITAGE AND MODEL SOCIETY EXHIBITION

**Hosts:** Norwich Model Railway Club  
**Location:** Hellesdon High School, Middletons Lane, Hellesdon NR6 5SB  
**Times:** 10am-4.30pm  
**Prices:** Adults £5, concessions £4.50, accompanied children free  
**Website:** [www.norhams.org.uk](http://www.norhams.org.uk)  
**Contact:** 01508 492917  
**Features:** 19 layouts, trade support, demos, societies, refreshments, parking and disabled access.

#### 11 SHIREHAMPTON MODEL RAILWAY CLUB OPEN DAY

**Hosts:** Shirehampton Model Railway Club  
**Location:** Public Hall, Station Road, Shirehampton, Bristol BS11 9TX  
**Times:** 10am-4.30pm  
**Prices:** Adults £2, accompanied children free  
**Contact:** 01179 094915  
**Features:** Club and member layouts, club stand, refreshments and disabled access.

#### 11 THE SMALL EXHIBITION 2015

**Hosts:** Chelmsford and District Model Railway Club  
**Location:** St. Augustine of Canterbury Church, St. Augustine Way, Springfield, Chelmsford, Essex CM1 6GX  
**Times:** 11am-4.30pm  
**Prices:** Adults £2, children £1  
**Website:** [www.chelmsford-and-district-mrc.webs.com](http://www.chelmsford-and-district-mrc.webs.com)  
**Contact:** 01245 264028  
**Features:** 10 layouts, trade support, demonstrations, refreshments, parking and disabled access.

#### 11 TRING MODEL RAILWAY EXHIBITION

**Hosts:** Tring and District Model Railway Club  
**Location:** Pitstone Memorial Hall, Vicarage Road, Pitstone, near Tring, Buckinghamshire LU7 9EY  
**Times:** 10.30am-4.30pm  
**Prices:** Adults £3, children £1.50, family (2+2) £7  
**Contact:** 01442 824350  
**Features:** Eight layouts, trade support, societies, refreshments and disabled access.

#### 11 WEYMOUTH MODEL RAILWAY OPEN DAY

**Hosts:** Weymouth Model Railway Association  
**Location:** Memorial Hall, Victoria Avenue, Dorchester Road, Weymouth DT3 5NG  
**Times:** 10.30am-4pm  
**Prices:** Free  
**Contact:** 01305 778869  
**Features:** Club layouts, projects, refreshments, parking and disabled access.

#### 11/12 BANGOR MODEL RAILWAY EXHIBITION

**Hosts:** North Down Model Railway Society  
**Location:** Bangor Grammar School, Gransha Road, Bangor, County Down, Northern Ireland BT19 7QU  
**Times:** Sat 10am-5pm, Sun 1pm-5pm  
**Prices:** Adults £4, concessions £3, children £3, family (2+2) £12  
**Website:** [www.ndmrs.co.uk](http://www.ndmrs.co.uk)  
**Contact:** 02891 450833  
**Features:** 18 layouts, trade support, refreshments, parking and disabled access.

#### 11/12 CHELTENHAM SPRING MODEL RAILWAY EXHIBITION

**Hosts:** Cheltenham Great Western Modeller's Group  
**Location:** St Margaret's Hall, Coniston Road, Off Windermere Road, Hatherley, Cheltenham GL51 3NU  
**Times:** Sat 10am-5pm, Sun 10am-4.30pm  
**Prices:** Adults £3.50, children £2.50, family (2+2) £8  
**Website:** [www.cheltmodrail.org.uk](http://www.cheltmodrail.org.uk)  
**Contact:** 01242 517788  
**Features:** Layouts, trade support, displays, model vehicles, refreshments and disabled access.

#### 11/12 GREAT NORTH STEAM FAIR MODEL TRAMWAY EXHIBITION

**Hosts:** Beamish, The Living Museum of the North  
**Location:** Beamish, The Living Museum of the North, Beamish, County Durham DH9 0RG  
**Times:** Sat 10am-5pm, Sun 10am-5pm  
**Prices:** Included in museum admission price  
**Contact:** 0191 370 4000  
**Features:** Nine layouts, trade support, refreshments, parking and disabled access.

#### 11/12 CRAWLEY MODEL RAILWAY SOCIETY EXHIBITION

**Hosts:** Crawley Model Railway Society  
**Location:** Tanbridge House School, Guildford Road, Horsham, West Sussex RH12 1SR  
**Times:** Sat 10am-5pm, Sun 10am-4.30pm  
**Prices:** Adults £6, children £4, family £16  
**Website:** [www.crawleymrs.org.uk](http://www.crawleymrs.org.uk)  
**Contact:** 07411 353 757  
**Features:** 25 layouts, trade support, refreshments, parking and disabled access.

#### 11/12 ROCHDALE MODEL RAILWAY GROUP ANNUAL EXHIBITION

**Hosts:** Rochdale Model Railway Group  
**Location:** Littleborough Coach House, Lodge Street, Littleborough, Lancashire OL15 9AE  
**Times:** Sat 10am-4.30pm, Sun 10am-4.30pm  
**Prices:** Adults £3, accompanied children free  
**Website:** [www.mrg.co.uk](http://www.mrg.co.uk)  
**Contact:** 01629 582598  
**Features:** Seven layouts, trade support and societies.

#### 11/12 TRAINWEST 2015 MODEL RAILWAY EXHIBITION

**Hosts:** Bentley Model Railway Group  
**Location:** The Christie Miller Sports Centre, Lancaster Road,

# SHOW GUIDE

**Times:** Bowerhill, Melksham, Wiltshire SN12 6QU  
Sat 10am-5.30pm, Sun 10am-4.30pm  
**Prices:** Adults £8, children £5  
**Website:** [www.trainwest.org.uk](http://www.trainwest.org.uk)  
**Contact:** 01249 657283  
**Features:** 20 layouts, trade support, refreshments and parking.

**12 CANVEY ISLAND MODEL RAILWAY EXHIBITION**  
**Hosts:** Castle Point Transport Museum  
**Location:** Castle Point Transport Museum, 105 Point Road, Canvey Island, SS8 7TD  
**Times:** 10am-4.30pm  
**Prices:** Adults £3.50, concessions £2.50, children free  
**Website:** [www.castlepointtransportmuseum.co.uk](http://www.castlepointtransportmuseum.co.uk)  
**Contact:** 01268 684272  
**Features:** Layouts, refreshments and parking.

**18 CAMBRIDGE MODEL RAILWAY EXHIBITION**  
**Hosts:** 31A (Cambridge) Model Railway Club  
**Location:** Sawston Village College, New Road, Sawston, Cambridge, CB22 3BP  
**Times:** 10am-4pm  
**Prices:** Adults £4, concessions £3, children £2  
**Website:** [www.cambridge31a-mrc.org.uk](http://www.cambridge31a-mrc.org.uk)  
**Contact:** 01284 700219  
**Features:** 13 layouts, trade support, refreshments, parking and disabled access.

**18 LUTON EXHIBITION OF 'O' GAUGE MODEL RAILWAYS**  
**Hosts:** Luton Model Railway Club  
**Location:** Christchurch Hall, Bedford Road, Hitchin SG5 1HF  
**Times:** 10.30am-5pm  
**Prices:** Adults £4, children £2, family (2+3) £10  
**Website:** <http://lutonmodelrailwayclub.org.uk>  
**Contact:** 01582 413200  
**Features:** 'O' gauge layouts, test track, trade support and refreshments.

**18 MAIDSTONE MODEL RAILWAY EXHIBITION**  
**Hosts:** Mid Kent Model Railway Group  
**Location:** Loose Primary School, Loose Road, Maidstone, Kent ME15 9UW  
**Times:** 10am-4.30pm  
**Prices:** Adults £3.50, children £1.50, family £9  
**Contact:** 07595 255150  
**Features:** 15 layouts, trade support, refreshments and parking.

**18 NEWGOG 2015 - SOUTH WALES O GAUGE SHOW**  
**Hosts:** NEWGOG Group  
**Location:** Lysaghts Institute, Orb Road, off Corporation Road, Newport, Gwent NP19 0RA  
**Times:** 10am-4.30pm  
**Prices:** Adults £5, concessions £4, children £4  
**Contact:** 07896 967526  
**Features:** Seven layouts, trade support, test track, demonstrations, refreshments, parking and disabled access.

**18 RUSHDEN MODEL RAILWAY SHOW**  
**Hosts:** Hope Methodist Church  
**Location:** Rushden Academy, Hayway, Rushden, Northants NN10 6AG  
**Times:** 10am-4pm  
**Prices:** Adults £5, concessions £3, children £3, family £10  
**Contact:** 01933 400774  
**Features:** Layouts, trade support, refreshments and disabled access.

**18 WANTAGE MODEL RAILWAY SHOW**  
**Hosts:** Grove Scout Group  
**Location:** Old Mill Hall, Grove, Wantage, Oxfordshire OX12 7LB  
**Times:** 10am-4.30pm  
**Prices:** Adults £3.50, concessions £3, children £2  
**Contact:** 01452 770447  
**Features:** 12 layouts, trade support, refreshments, parking and disabled access.

**18/19 MARYPORT MODEL CLUB'S ANNUAL EXHIBITION**  
**Hosts:** Maryport Model Club  
**Location:** Netherhall School, Maryport, Cumbria CA15 6NT  
**Times:** Sat 10am-4.30pm, Sun 10am to 4pm  
**Prices:** Adults £4.50, concessions £3, children £2, family £10  
**Contact:** 01900 813661  
**Features:** Layouts and trade support.

**18/19 SCALEFOUR NORTH 2015**  
**Hosts:** Scalefour Society  
**Location:** Queen Elizabeth Grammar School, 154 Northgate, Wakefield WF1 3QX  
**Times:** Sat 10am-5pm, Sun 10am-4pm

**Prices:** Non-members £7, members £6  
**Website:** [www.scalefour.org/scalefournorth](http://www.scalefour.org/scalefournorth)  
**Features:** Layouts, trade support, demonstrations, refreshments and parking.

**18/19 WIMRAIL 2015 MODEL RAILWAY EXHIBITION**  
**Hosts:** Wimborne Railway Society  
**Location:** Queen Elizabeth's School, Blandford Road, Wimborne, Dorset BH21 4DT  
**Times:** Sat 10.30am-5pm, Sun 10.30am-4.30pm  
**Prices:** Adults £6, children £2, family (2+2) £12  
**Website:** [www.wimrail.org.uk](http://www.wimrail.org.uk)  
**Contact:** 01202 673246  
**Features:** Layouts, trade support, displays, refreshments, parking and disabled access. Free vintage bus operating between Wimborne town square and venue.

**19 CHICHESTER STEAM ON SUNDAY OPEN AFTERNOON**  
**Hosts:** Chichester and District Society of Model Engineers  
**Location:** Blackberry Lane, off Bognor Road, Chichester, West Sussex PO19 7FS  
**Times:** 2pm-5pm  
**Prices:** Admission to site FREE, train tickets £1 each  
**Website:** [www.cdsme.co.uk](http://www.cdsme.co.uk)  
**Contact:** 07954 051594  
**Features:** Train rides, model railway layout and refreshments.

**25 DE HAVILLAND MODEL RAILWAY SOCIETY EXHIBITION**  
**Hosts:** De Havilland Model Railway Society  
**Location:** Ludwick Bay Methodist Church, Ludwick Way, Welwyn Garden City, AL7 3PN  
**Times:** 10am-5pm  
**Prices:** Adults £4, children £2  
**Contact:** 01707 267541  
**Features:** 12 layouts, trade support, refreshments, parking and disabled access.

**25 FAREHAM ROTARAIL 2015**  
**Hosts:** Rotary Club of Fareham  
**Location:** Fareham College, Bishopfield Road, Fareham, Hampshire PO14 1NH  
**Times:** 10.30am-5pm  
**Prices:** Adults £5, accompanied children free  
**Website:** [rotarail2015.webs.com](http://rotarail2015.webs.com)  
**Contact:** 01329 663685  
**Features:** 22 layouts, trade support, demonstrations, refreshments, parking and disabled access.

**25 HORSHAM MODEL RAILWAY CLUB EXHIBITION**  
**Hosts:** Horsham Model Railway Club  
**Location:** St Leonards Church Hall, Cambridge Road, Horsham, West Sussex RH13 5ED  
**Times:** 10am-4pm  
**Prices:** Adults £3.50, children £2  
**Website:** [www.horshammrc.org.uk](http://www.horshammrc.org.uk)  
**Contact:** 07912 368805  
**Features:** 15 layouts, trade support, refreshments and disabled access.

**25 STOURPORT MODEL RAILWAY EXHIBITION**  
**Hosts:** Wyre Forest Model Railway Club  
**Location:** Stourport Community Centre, Lower Lickhill Road, Stourport-on-Severn DY13 8RW  
**Times:** 10am-4pm  
**Prices:** Adults £2, accompanied children under 12 free  
**Website:** [www.wyreforestmrc.com](http://www.wyreforestmrc.com)  
**Contact:** 01902 843760  
**Features:** Eight layouts, trade support, refreshments, parking and disabled access.

**25/26 EPSOM SHOW**  
**Hosts:** Epsom and Ewell Model Railway Club  
**Location:** North East Surrey College of Technology (NESCOLT), Reigate Road, Ewell, Surrey KT17 3DS  
**Times:** Sat 10am-5.30pm, Sun 10am-5pm  
**Prices:** Adults £7, children free  
**Website:** [www.eemrc.org.uk](http://www.eemrc.org.uk)  
**Contact:** 01483 576274  
**Features:** Layouts, trade support, demonstrations, refreshments, parking and disabled access.

**25/26 LIVERPOOL MODEL RAILWAY SHOW**  
**Hosts:** Liverpool Model Railway Society  
**Location:** Old Christ Church, Waterloo Road, Waterloo, Liverpool L22 1RF  
**Times:** Sat 10am-5pm, Sun 10am-4.30pm  
**Prices:** Adults £4, concessions £3.50, children £2

**Website:** [www.lmrs.org.uk](http://www.lmrs.org.uk)  
**Contact:** 0151 526 1574  
**Features:** 17 Layouts, trade support, refreshments, real ale bar and disabled access.

**25/26 SUTTON COLDFIELD MODEL RAILWAY EXHIBITION**  
**Hosts:** Sutton Coldfield Railway Society  
**Location:** Bishop Walsh School, Wylde Green Road, Sutton Coldfield B76 1QT  
**Times:** Sat 10am-5pm, Sun 10am-4.30pm  
**Prices:** Adults £5, concessions £4, accompanied children free  
**Website:** [www.ukmodelshops.co.uk/scrs](http://www.ukmodelshops.co.uk/scrs)  
**Contact:** 07840 115070  
**Features:** 15 layouts, trade support, societies, refreshments, parking and disabled access.

**25/26 WEST ESSEX MODELRAIL**  
**Hosts:** Ilford and West Essex Model Railway Club  
**Location:** St Edwards School, London Road, Romford, Essex RM7 9NX  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £5, concessions £4, children £3, family £13  
**Website:** [www.iwemrc.org.uk](http://www.iwemrc.org.uk)  
**Contact:** 01708 442836  
**Features:** Layouts, trade support, refreshments, parking and disabled access.

**26 STOWMARKET MODEL RAILWAY EXHIBITION**  
**Hosts:** Stowmarket Model Railway Club  
**Location:** Mid Suffolk Leisure Centre, Gainsborough Road, Stowmarket IP14 1LH  
**Times:** 10.30am-5pm  
**Prices:** Adults £4, concessions £3, children £2  
**Website:** [www.stowrailclub.org.uk](http://www.stowrailclub.org.uk)  
**Contact:** 01449 771360  
**Features:** 16 layouts, trade support, refreshments, parking and disabled access.

## MAY

**2 RICKINGHALL MODEL RAILWAY SHOW**  
**Hosts:** Diss and District Model Railway Society  
**Location:** Village Hall, Hinderclay Road, Rickinghall, Diss, Norfolk IP22 1HD  
**Times:** 10am-4pm  
**Prices:** Adults £4, accompanied children £1  
**Website:** [www.rickinghallvh.onesuffolk.net/events](http://www.rickinghallvh.onesuffolk.net/events)  
**Contact:** 07930 188472  
**Features:** 17 layouts, trade support, societies, demonstrations, refreshments, parking and disabled access.

**2 CRAVEN ARMS MODEL RAILWAY EXHIBITION**  
**Hosts:** Craven Arms and District Model Railway Club  
**Location:** Craven Arms Community Centre, Craven Arms SY7 9PS  
**Times:** 10am-4.30pm  
**Prices:** Adults £2.50, concessions £2, children £1.50  
**Contact:** 01588 672145  
**Features:** 18 layouts, trade support, displays, refreshments, parking and disabled access.

**2/3 CLECKHEATON MODEL RAILWAY EXHIBITION**  
**Hosts:** Bradford Model Railway Club  
**Location:** Whitcliffe Mount Sports Centre, Turnstead Avenue, Cleckheaton, Near Bradford BD19 3AQ  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £5.50, children £1, family £12  
**Website:** [www.bradfordmrc.org.uk](http://www.bradfordmrc.org.uk)  
**Contact:** 01274 698861  
**Features:** 19 layouts, trade support, demonstrations, refreshments, parking and disabled access.

**2/3 SOUTH WEST MODEL AND HOBBY SHOW**  
**Hosts:** Nationwide Exhibitions (UK) Ltd  
**Location:** Royal Bath and West Showground, Shepton Mallet, Somerset BA4 6QN  
**Times:** Sat 10am-5pm, Sun 10am-5pm  
**Prices:** Adults £4, concessions £3, children £3, family (2+2) £10  
**Website:** [www.swmee.co.uk](http://www.swmee.co.uk)  
**Features:** Layouts, trade support, model engineering displays, radio controlled models and more.

**PLANNING AN EXHIBITION?**  
● *Hornby Magazine's Show Guide* is a free listing which allows you to promote a forthcoming model railway show. Contact *Hornby Magazine* by calling 01780 755131 or e-mail: [hornbymagazine@keypublishing.com](mailto:hornbymagazine@keypublishing.com). Please ensure you include appropriate contact details for the public as we are unable to publish the listing without this.

# Selling your model railways?

Warwick and Warwick have an expanding requirement for early to modern collections of British and Foreign trains and train sets from large accumulations to items of individual value. Our customer base is increasing dramatically and we need an ever larger supply of quality material to keep pace with demand. The market has never been stronger and if you are considering the sale of your collection, now is the time to act.



**FREE VALUATIONS** - We will provide a free, professional valuation of your collection, without obligation on your part to proceed. Either we will make you a fair, binding private treaty offer, or we will recommend inclusion of your property in our next public auction.

**FREE TRANSPORTATION** - We can arrange insured transportation of your collection to our Warwick offices completely free of charge. If you decline our offer, we ask you to cover the return carriage costs only.

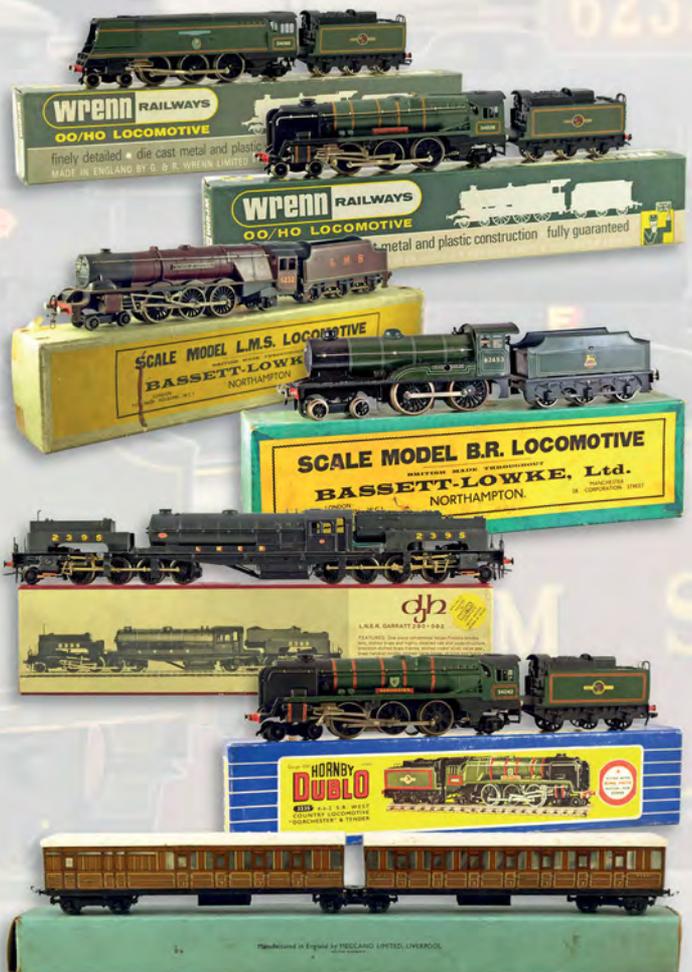
**FREE VISITS** - Visits by our valuers are possible anywhere in the country or abroad, usually within 48 hours, in order to value larger collections. Please phone for details.

**ADVISORY DAYS** - We are staging a series of advisory days and will be visiting the following towns within the next few weeks: Holyhead, Llandudno, Windsor, Wigan, Haydock, Cambridge, Newmarket, St. Andrews, Kirkcaldy, Dunfermline, Swindon, Tamworth, Shrewsbury, Sittingbourne, Henley on Thames, Bedford, Mansfield, Midhurst, Bognor Regis and Isle of Man..

Please visit our website or telephone for further details.

**EXCELLENT PRICES** - Because of the strength of our customer base we are in a position to offer prices that we feel sure will exceed your expectations.

**ACT NOW** - Telephone or email Richard Beale today with details of your property.



*Get the experts on your side!*



## Warwick & Warwick

AUCTIONEERS AND VALUERS  
[www.warwickandwarwick.com](http://www.warwickandwarwick.com)

Warwick & Warwick Ltd., Chalon House, Scar Bank,  
Millers Road, Warwick CV34 5DB England

Tel: (01926) 499031 • Fax: (01926) 491906  
Email: [richard.beale@warwickandwarwick.com](mailto:richard.beale@warwickandwarwick.com)

# OCTOBER 10/11 2015

## THE GREAT ELECTRIC TRAIN SHOW

Sponsored by **HORNBY** magazine



### SAVE £s WHEN BOOKING ADVANCE

ADULT (Save £3\*) £9

CHILD (5-16 yrs) (Save £1\*) £7

**PLUS: GAIN 30MIN EARLY ENTRY**

Children under 16 must be accompanied by an adult at all times.  
\*Savings against HMC on-the-day ticket prices.  
Deadline for advance ticket orders 2 October 2015.

## HERITAGE MOTOR CENTRE, GAYDON, WARWICKSHIRE CV35 0BJ

**FEATURING:**  
**25+** WORKING LAYOUTS from the pages of *Hornby Magazine* including:

### OAKENSHAW

OO gauge, BR 1950s London Midland Region

### NORTH OF ENGLAND LINE

N gauge, BR 1960s Eastern Region

### ACKTHORPE

OO gauge, BR 1950s Eastern Region

### REDFORD JUNCTION

3mm scale, BR 1960s Southern Region

### SHORTLEY BRIDGE AND FELTON CEMENT WORKS

OO gauge, BR 1960s North Eastern Region

Practical demonstrations for hands on advice and inspiration

A wide selection of top quality traders and manufacturers

Check website for full list of layouts, demonstrations and exhibitors

**FREE** Access to the Heritage Motor Centre.

**FREE** On-site parking.

**FREE** Courtesy bus from Leamington Spa railway station (Saturday only).

**ON THE DAY PRICES:** Adult: £12 • Concessions: £10 • Child (5-16 yrs): £8  
• Children under 5: FREE • Family (2 adults, 3 children): £34

## Visit: [www.greatictrainshow.com](http://www.greatictrainshow.com)

## Call: 01780 480 404

**Advance Ticket Holders:** Express lanes in operation. Entry from 9.30am.

**Opening Times: Saturday October 10:** 10am to 5pm

**AND Sunday October 11:** 10am to 4pm.

Brought to you by



Supported by





## Branchline 2014 New Items



**Class 3200 Earl "Dukedog" 4-4-0**  
 Pre-order for £105.02



31-088 9028 in BR black early emblem  
 31-089 3214 in GWR green with shirtbutton monogram

**Class 5 L&YR 2-4-2T**  
 Pre-order for £73.91



31-168 10713 in LMS crimson  
 31-169 50795 in BR lined black with early emblem

**Class 3F Fowler Jinty 0-6-0 tank**  
 Pre-order for £62.86



32-227B 7341 in LMS black  
 32-235 47673 in BR black with late crest - weathered £69.66

**Class 6P Patriot 4-6-0**  
 Pre-order for £114.71



31-204 5530 "Sir Frank Ree" in LMS crimson

**Class 4MT Fairburn 2-6-4 tank**



32-880 2278 in LMS black - weathered £93.50  
 32-881 42105 BR lined black early emblem - weathered £93.50  
 32-882 42062 BR lined black late crest £85.00  
 (Prices estimated - we will notify you if price rises & offer option to cancel)

**Class A2 4-6-2**  
 Pre-order for £110.50



31-528A 60529 "Pearl Driver" in BR lined green with late crest  
 31-531 60536 "Trimbush" in BR lined green with early emblem  
 (Prices estimated - we will notify you if price rises & offer option to cancel)

**Class 90 Electric**  
 Pre-order for £119.00



32-610 90023 in Intercity Swallow with 21-pin socket  
 32-611 90037 in Railfreight Distribution with 21-pin socket  
 32-612 90042 in Freightliner Powerhaul with 21-pin socket  
 (Prices estimated - we will notify you if price rises & offer option to cancel)

**Class 37/4 Diesel**  
 Pre-order for £93.46



32-370 37405 in DRS Compass  
 32-389 37421 in Colas livery  
 32-390 37706 "Conidae" in Railfreight Petroleum  
 32-391DS 37796 in Railfreight coal sector - DCC sound £199.71

**Class 47 Diesel**



31-659 47001 in BR blue - weathered £101.96  
 31-659DS 47001 in BR blue - DCC sound £212.46

**Class 170/5 2-car DMU**  
 Pre-order for £119.00



32-469 170521 Cross Country - weathered  
 (Prices estimated - we will notify you if price rises & offer option to cancel)

**Class 171/7 2-car DMU**  
 Pre-order for £110.50



32-468 171727 Southern  
 (Prices estimated - we will notify you if price rises & offer option to cancel)

See the entire range at [ehattons.com/bachmann2014](http://ehattons.com/bachmann2014)

### Limited Edition J94s & Austeritys, Class 14xx & Kings from Hatton's, being produced by DJ Models

**Class 14xx**  
 Pre-order for £99



**Pristine**

H1401 48xx 4825 in GWR unlined green Great Western  
 H1404 58xx 5808 in GWR unlined green Shirtbutton  
 H1406 14xx 1420 in GWR unlined green G W R  
 H1408 58xx 5816 in BR lined black BRITISH RAILWAYS  
 H1409 14xx 1470 in BR lined black early emblem  
 H1410 58xx 5819 in BR unlined black early emblem  
 H1413 14xx 1444 in BR lined green early emblem  
 H1414 14xx 1450 BR lined green late crest  
 H1416 14xx 1409 BR unlined green late crest

**Lightly Weathered**

H1402 58xx 5814 in GWR unlined green Great Western  
 H1403 48xx 4871 in GWR unlined green Shirtbutton  
 H1405 48xx 4807 in GWR wartime black G W R  
 H1407 58xx 5802 in GWR unlined green G W R  
 H1411 58xx 5801 in BR unlined green G W R

**Heavily Weathered**

H1412 14xx 1474 in BR unlined black early emblem  
 H1415 14xx 1432 BR lined green late crest

Due Q4 2015 - Q1 2016  
[www.ehattons.com/j94](http://www.ehattons.com/j94)

**Austeritys & J94 Limited Editions of 200**  
 Pre-order for £99



**Pristine**

J9401 "Robert" in NCB Bold Colliery lined green  
 J9402 71515 in Mech Navvies maroon  
 J9407 4 in NCB Backworth Colliery lined black  
 J9408 98 "Royal Engineer" in Army green  
 J9410 15 in Wemyss Private Railway lined brown

**Lightly Weathered**

J9403 J94 68012 in BR black late crest  
 J9405 "Hurricane" in NCB Bickershaw Colliery lined green  
 J9409 7 in NCB Littleton Colliery lined blue

**Very Heavily Weathered**



J9404 1763 NCB Peckfield Colliery lined maroon with chevrons  
 J9406 8 in NCB Mountain Ash Colliery lined green

Due Q1 2015  
[www.ehattons.com/14xx](http://www.ehattons.com/14xx)

**Class 6000 King**  
 Pre-order for £169



HK01 6000 "King George V" in GWR lined green with roundel  
 HK02 6019 "King Henry V" in GWR lined green with shield  
 HK03 6021 "King Richard II" in GWR lined green with shirtbutton

HK04 6029 "King Edward VIII" in GWR un-lined wartime green  
 HK05 6018 "King Henry VI" in GWR lined green  
 HK06 6025 "King Henry III" in BR ultramarine blue  
 HK07 6027 "King Richard I" in BR/GWR lined green  
 HK08 6028 "King George VI" in BR lined blue with early crest



HK09 6023 "King Edward II" in BR lined blue with early crest  
 HK10 6009 "King Charles II" in BR lined green with early crest  
 HK11 6017 "King Edward IV" in BR lined green with late crest  
 HK12 6026 "King John" in BR lined green with late crest  
 HK13 6005 "King George II" in BR lined green with late crest  
 HK14 6024 "King Edward I" in BR lined green with late crest  
 HK15 6000 "King George V" in BR lined green with early emblem

DCC Fitted versions also available for £179

HK01DCC - HK15DCC  
 Due Q4 2015 - Q1 2016  
[www.ehattons.com/king](http://www.ehattons.com/king)

**UK P&P £4 per order**  
 £2 P&P for single diecast items  
 Next Day £7 (Orders before 2pm)

**13,000+ items on**  
[www.ehattons.com/hm](http://www.ehattons.com/hm)

**Shop Open**  
 Mon to Sat 8am to 6pm  
 Sunday 10am to 4pm

**Phones Open**  
 Mon to Thu 7am to 9pm  
 Fri & Sat 8am to 6pm  
 Sunday 9am to 5pm

364-368 Smithdown Road, Liverpool, L15 5AN  
T: 0151 733 3655 E: info@ehattons.com



**OO Gauge (1:76 Scale)**  
**Steam locos**

266211 Beyer Garratt 2-6-0 0-6-2 47981 BR "Lion on wheel" emblems on cabsides & standard numbers on tanks 1949-56. Heavily weathered (Hel) ... £199

266208 Beyer Garratt 2-6-0 0-6-2 47998 BR early emblems on cabsides & numbers on tanks 1949-56. Heavily weathered (Hel) ... £199

31-931 Class 1000 Midland Compound 4-4-0 1189 in LMS black (Bac) ... £118.96

31-932DC Class 1000 Midland Compound 4-4-0 40934 in BR lined black early emblem. DCC On Board (Bac) ... £135.96

31-933 Class 1000 Midland Compound 4-4-0 41157 BR lined black late crest (Bac) ... £118.96

R3005 Class 2800 2-8-0 2845 in BR black late crest - weathered (Hor) ... £106

31-213DS Class 6P Patriot 4-6-0 45504 "Royal Signals" in BR green late crest. DCC Sound Filled (Bac) (list £268) BARGAIN £189

R3060 Class A1 4-6-2 90163 "Tornado" in British Railways Apple Green (Railroad Range) (Hor) ... £79

R3280 Class A4 4-6-2 4496 "Golden Shuttle" in LNER Garter blue - Railroad range (Hor) ... £71.30

R3106 Class 2800 2-8-0 steam loco 2807 in GWR as preserved (Hor) ... £120

32-328A Class 2MT Ivatt 2-6-0 46526 in BR lined green late crest - weathered (Bac) ... £93.46

31-128^ Class 30xx 2-8-0 ROD 3036 in BR black early emblem - weathered (Bac) (list £139.95) BARGAIN ... £82

31-727 Class 3700 City 4-4-0 3439 "City of London" GWR Green Monogram (Bac) ... £106.21

R3006 Class 3800 2-8-0 3864 in BR weathered black early emblem. (Hor) ... £106

R3006X Class 3800 2-8-0 3864 BR weathered black early emblem. DCC Fitted (Hor) ... £120

31-628DC Class 3F 0-6-0 43620 in BR black late crest - weathered. DCC On Board (Bac) ... £101.96

R3229 Class 4000 Star 4-6-0 4021 "British Monarch" in BR green early crest (Hor) NEW ... £125.10

R3222 Class 42XX 2-8-0 4261 in Great Western green (Hor) NEW ... £111.20

R3169 Class 4900 4-6-0 Hall 5972 "Olton Hall" in GWR (Railroad range). New tooling for 2013 (Hor) NEW ... £87

31-880 Class 4F 0-6-0 3851 in LMS black Johnson/Deeley tender (Bac) ... £76.46

31-881 Class 4F 0-6-0 43875 BR black early emblem and Johnson/Deeley tender (Bac) ... £76.46

31-188 Class 5XP Jubilee 4-6-0 45565 "Victoria" in BR lined green late crest - weathered (Bac) ... £118.96

31-189 Class 5XP Jubilee 4-6-0 45606 Falkland Islands" in BR green early emblem - weathered (Bac) ... £118.96

31-213DS Class 6P Patriot 4-6-0 45504 "Royal Signals" in BR green late crest. DCC Sound Filled (Bac) (list £268) BARGAIN £189

R3060 Class A1 4-6-2 90163 "Tornado" in British Railways Apple Green (Railroad Range) (Hor) ... £79

R3280 Class A4 4-6-2 4496 "Golden Shuttle" in LNER Garter blue - Railroad range (Hor) ... £71.30

R2784X Class A4 4-6-2 60022 "Mallard" in BR green late crest - DCC Fitted (Railroad Range) (Hor) (list £92.25) BARGAIN ... £59

31-715 Class B1 1123 in LNER lined green (Bac) ... £84.96

R3114A Class B1 Thompson 4-6-0 61267 in BR black late crest (Hor) ... £120

R2922X Class B17/6 Sandringham 4-6-0 61650 "Grimsby Town" in BR late crest DCC Fitted (Hor) ... £125

31-146 Class D111/1 4-4-0 62663 "Prince Albert" BR black early emblem (Bac) ... £101.96

31-136DC^ Class D112 4-4-0 62677 "Eddie Ochiltree" in BR black late crest. DCC Fitted (Bac) (list £139.95) BARGAIN £85

31-137 Class D112 4-4-0 6385 "Lucylo Muckbacker" LNER black (Bac) ... £106.21

31-320DC Class J11 Robinson (GCR 9J) 64325 in BR black late crest. DCC Fitted (Bac) ... £91.76

R3231 Class J15 0-6-0 65356 in BR black early emblem (Hor) NEW ... £101.90

R3230 Class J15 0-6-0 7524 in LNER (Hor) NEW ... £101.90

R3228 Class J94 0-6-0 12 in National Coal Board blue (Hor) ... £88.10

R3243A Class K1 2-6-0 62027 in BR late crest (Hor) £120.50

R3189 Class L1 2-6-4 9003 in LNER apple green (Hor) £104

32-154A Class N 2-6-0 31404 BR lined black late crest - weathered (Bac) £108.21

R3208 Class V Schools 4-4-0 30915 "Brighton" BR black early emblem & tender (Hor) ... £134

R3194 Class V Schools 4-4-0 30937 "Epsom" in BR black early emblem (Hor) ... £112

32-954 Standard class 4MT 2-6-0 76058 in BR lined black early emblem (Bac) ... £93.46

32-955 Standard class 4MT 2-6-0 76109 BR lined black late crest (Bac) ... £93.46

32-508 Standard Class 5MT 73049 in BR lined green late crest & BR1 tender (Bac) ... £106.21

32-509 Standard class 5MT 73109 in BR lined black early emblem and BR1B tender (Bac) ... £106.21

32-261 WD Austerity 2-8-0 90441 in BR black early emblem (Bac) £110.42

32-260DC WD Austerity 2-8-0 90448 in BR black with late crest. DCC On Board (Bac) ... £125.29

30-325 Ambulance Train No.40 Train Pack GWR Class 3700 No.3711 "City of Birmingham" in WWI khaki, 3 x coaches in olive green & 6 x WWI figures (Bac) ... £135.96

25-2014 Bachmann CX Scale Silver Anniversary Set Class 5P, Jubilee & Class 47 locos in wooden box certificate (Bac) ... £212.46

R2670 Class 101 0-4-0 steam loco GWR green open wagon, closed van & brake van (Hor) ... £42

32-260DC WD Austerity 2-8-0 90448 in BR black with late crest. DCC On Board (Bac) ... £125.29

30-575 The Railway Children Train Pack GWR 57xx Pannier in GNSR, 2 x GNSR Coaches & Scenecraft Oakworth Station Building (Gau) ... £110.46

R3220 Tyseley Connection train pack Hall Class "Pitchford Hall" in GWR green & 3 Mk1 coaches in chocolate and cream (Hor) NEW ... £185.40

R3219 WWI GWR Troop Train Pack Star Class in Great Western unlined green & 3 clerestory coaches in GWR brown & cream (Hor) NEW ... £143.70

10001HAP- 10001 BR Brunswick green orange, black & orange lining. Aug 1956 - Oct 1957. (Dap) (list £105) BARGAIN ... £94

R3283 Ragnall shunter in red - Railroad range (Hor) NEW ... £27.80

R3221 Class J15 0-6-0 65356 in BR black early emblem (Hor) NEW ... £101.90

R3228 Class J94 0-6-0 12 in National Coal Board blue (Hor) ... £88.10

R3281 Class 09 09017 in National Railway Museum maroon - Railroad range (Hor) NEW ... £34.20

2800^~ Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125) ... BARGAIN ... £80

2800^~ Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125) ... BARGAIN ... £80

1405^ Class 14 "Teddy Bear" (ex British Rail Green) Blue Circle Cement (ex D6526) (Weathered), (Hel) (list £115) BARGAIN ... £75

1406^ Class 14 "Teddy Bear" British Steel "45" (Ex British Rail) Green (Weathered) wasp ends. (Hel) (list £115) BARGAIN ... £75

1600 Class 16 North British diesel D8400 BR green grey roof. Lid Ed of 750 pcs (Hel) ... £107

1601 Class 16 North British diesel D8401 BR green small yellow warning panels. Lid Ed of 750 (general release), (Hel) ... £107

1717 Class 17 diesel D8606 in green full yellow ends (Hel) ... £87

MM0209 Class 201 no 209 "River Foyle" in NIR Blue (Mur) ... £129

MM0233 Class 201 no 233 "Fiver Class" in enterprise kit yellow ends (Mur) ... £129

40-012-003 Class 22 B-B Diesel Hydraulic D6311 in BR green small yellow panels & disc headcode box (Dap) ... £103

40-012-001 Class 22 B-B Diesel Hydraulic D6316 in BR Green. Small yellow panels and disc headcode box (Dap) ... £103

40-012-002 Class 22 B-B Diesel Hydraulic D6327 in BR Green. Amended yellow panels and disc headcode box (Dap) ... £103

D1000H Class 22 B-B Diesel Hydraulic D6328 (font A) in BR blue full yellow ends (Dap) ... £104

2320^ Class 23 Baby Deltic diesel D5900 BR Green large yellow ends arrows (Hel) (list £119.95) ... BARGAIN ... £72

2321 Class 23 Baby Deltic D5901 green headcode discs and frost grilles (Hel) (list £129.95) BARGAIN ... £69

2322 Class 23 Baby Deltic D5905 green headcode discs and no frost grilles (Hel) (list £129.95) ... BARGAIN ... £69

2308^ Class 23 Baby Deltic diesel D5900 in BR Green large yellow ends. (Hel) (list £119.95) ... BARGAIN ... £72

2302^ Class 23 Baby Deltic diesel D5908 BR Green large yellow ends arrows (Hel) (list £119.95) ... BARGAIN ... £79

2320^ Class 23 Baby Deltic diesel D5900 BR Green large yellow ends arrows (Hel) (list £119.95) ... BARGAIN ... £79

2321 Class 23 Baby Deltic D5901 green headcode discs and frost grilles (Hel) (list £129.95) BARGAIN ... £69

2322 Class 23 Baby Deltic D5905 green headcode discs and no frost grilles (Hel) (list £129.95) ... BARGAIN ... £69

2308^ Class 23 Baby Deltic diesel D5900 in BR Green large yellow ends. (Hel) (list £119.95) ... BARGAIN ... £72

2302^ Class 23 Baby Deltic diesel D5908 BR Green large yellow ends arrows (Hel) (list £119.95) ... BARGAIN ... £79

32-431DC Class 24 24077 in BR blue indicator discs. DCC Fitted (Bac) ... £89.21

2661 Class 26/0 diesel D5301 in BR green early version (Hel) ... £95

2662 Class 26/0 diesel D5309 in BR green early version (Hel) ... £95

2665 Class 26/0 diesel D5312 in BR green - weathered (Hel) ... £103

2724 Class 27 BRCV Sulzer diesel D5353 in BR green (Hel) (list £99.95) ... BARGAIN ... £69

2800^~ Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125) ... BARGAIN ... £80

2800^~ Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125) ... BARGAIN ... £80

2800^~ Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125) ... BARGAIN ... £80

**UK P&P £4 PER ORDER**  
**£2 per single diecast item**

**£7 guaranteed Next Day delivery**  
 (Orders before 2pm)



**BARGAIN**  
 2801 Class 28 Co-Bo Diesel D5705 BR Green Small Yellow Panels (as preserved). (Hel) (list £125). BARGAIN. . . . .£89  
 2807\* Class 28 Co-Bo Diesel D5711 in Full BR Green modified windows. (Hel) (list £125). BARGAIN. . . . .£89  
 2810\* Class 28 Co-Bo Diesel D5714 Full BR Green - modified windows. (Hel) (list £125). BARGAIN. . . . .£89  
 2803\* Class 28 Co-Bo Diesel D5718 BR Green Small Yellow Panels (Weathered). (Hel) (list £132). BARGAIN. . . . .£98



**BARGAIN**  
 R3067 Class 31 Diesel Electric 31256 BR Blue (Railroad Range) (Hor) (list £64.99) BARGAIN. . . . .£57  
 R2963 Class 31/4 31439 diesel in Regional Railways 'North Yorkshire Moors Railway' DCC Ready. (Hor) . . . . .£109



3431 Class 33/0 diesel 6544 in BR blue full yellow ends (Hel) . . . . .£95  
 3430 Class 33/0 diesel D6506 in BR blue full yellow ends (Hel) . . . . .£95



3413 Class 33/0 diesel D6530 in BR green experimental yellow panels rounded top corners (Hel) . . . . .£95  
 3414 Class 33/0 diesel D6570 BR green full yellow ends and BR coach roundels (Hel) . . . . .£95



3521 Class 35 Hymek D7003 in BR green (Hel) . . . . .£94



3519 Class 35 Hymek D7064 in BR blue small yellow warning panels (Hel) . . . . .£94  
 3520 Class 35 Hymek D7070 in BR blue full yellow ends (Hel) . . . . .£94



32-781A Class 37/0 37034 BR Blue Split Head Code - weathered (Bac) . . . . .£97.71



**BARGAIN**  
 32-480DS Class 40 D211 'Mauretania' in BR green indicator discs. DCC Sound on board (Bac) (list £244.95) BARGAIN £189  
 R3282 Class 42 Warship D853 'Thruster' in BR maroon small yellow panels - Railroad range (Hor) . . . . .£50.90



31-656DC Class 47/0 D1677 'Thor' in BR green full yellow ends. DCC On Board (Bac) . . . . .£106.21  
 32-616 Class 47/3 47305 Diamond Jubilee BR Railfreight Distribution (Bac) . . . . .£93.46



32-817 Class 47/7 47745 'Royal London Society For The Blind' RES red & grey (Bac) . . . . .£93.46



32-815 Class 47/8 47834 'Fire Fly' BR Intercity Swallow (Bac) . . . . .£93.46



4D-003-005 Class 52 D1072 'Western Glory' in BR blue full yellow panel (Dap) . . . . .£109  
 4D-003-007 Class 52 diesel D1012 'Western Firebrand' in BR maroon small yellow panels (Dap) . . . . .£119  
 4D-003-008 Class 52 diesel D1065 'Western Consort' in BR maroon small yellow panels (Dap) . . . . .£119  
 4D-003-011 Class 52 diesel loco D1002 'Western Explorer' in BR green small yellow panels (Dap) . . . . .£109



4D-003-008 Class 52 diesel loco D1023 'Western Fusilier' in BR maroon small yellow panels (Dap) . . . . .£109  
 32-529B Class 55 Deltic D9011 in BR two-tone green. Weathered (advertised earlier as 'pristine') (Bac) . . . . .£93.46



5822 Class 58 58006 Railfreight Redstripe Livery. (Hel) £125  
 5827 Class 58 58016 EWS Livery. (Hel) . . . . .£125  
 5826 Class 58 58028 Plain Triple Grey Livery (Hel) . . . . .£125  
 5824 Class 58 58030 in EWS Livery (Hel) . . . . .£125  
 5823 Class 58 58036 Railfreight Redstripe Livery Orange Central Stripe. (Hel) . . . . .£125



5825 Class 58 58038 Mainline Blue Livery (Hel) . . . . .£125  
 5821 Class 58 58045 Railfreight Coal Livery (Hel) . . . . .£125



32-734A Class 66 diesel 66101 in DB Schenker - weathered (Bac) . . . . .£97.71



32-725U Class 66 Diesel 66111 in EWS Highland Rail stag Limited edition (Bac) . . . . .£132



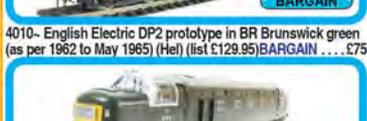
32-980 Class 66/9 66731 'InterhubGB' in GBRF Europorte (Bac) . . . . .£93.46



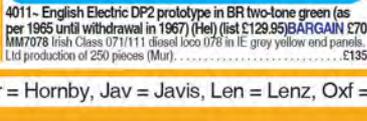
R3268 Class 67 67003 in Arriva Trains Wales (Hor) . . . . .£129.80  
 31-588 Class 70 Powerhaul diesel 70005 Freightliner - weathered (Bac) . . . . .£130.01



31-995 Class D16 LMS 10000 in BR Brunswick green lined orange & black (Bac) . . . . .£99  
 31-996 Class D16 LMS 10000 BR Brunswick green part eggshell blue waistband (Bac) . . . . .£99



4010- English Electric DP2 prototype in BR Brunswick green (as per 1962 to May 1965) (Hel) (list £129.95) BARGAIN . . . . .£75



4011- English Electric DP2 prototype in BR two-tone green (as per 1965 until withdrawal in 1967) (Hel) (list £129.95) BARGAIN £70  
 MM7078 Irish Class 07/1/11 diesel loco 078 in IE grey yellow and panels. Ltd production of 250 pieces (Mur) . . . . .£135



4005- Lion Diesel loco D0280 in white 5 gold stripes (Hel) (list £129.95) . . . . .BARGAIN. . . . .£70



**Electric locos**  
 31-678 Class 85 (AL5) Bo-Bo Electric 85026 in BR Blue single pantograph (Bac) (list £112.45) BARGAIN. . . . .£86



**DMUs**  
 32-267 Class 101 2 Car DMU BR blue & grey 'Cambridge/Norwich' (Bac) £127.46  
 32-286 Class 101 2 Car DMU in BR green small yellow warning panel 'Shrewsbury/Aberystwyth' (Bac) . . . . .£127.46



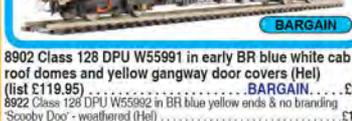
32-285 Class 101 2 Car DMU in BR green speed whiskers 'Newcastle/Middlesbrough' (Bac) . . . . .£127.46



**BARGAIN**  
 32-905\* Class 108 2-car DMU in BR blue & grey full yellow ends (Bac) (list £139.95) . . . . .£108  
 32-912 Class 108 3 Car DMU in BR blue full yellow ends (Bac) (list £169.95) BARGAIN . . . . .£132  
 8923 Class 128 DPU 55991 in Royal Mail Letters red (Hel) . . . . .£94  
 8940 Class 128 DPU Blue full yellow ends and flush fronts M55993 (Hel) (list £119.95) BARGAIN . . . . .£89



8942 Class 128 DPU in BR blue - weathered M55995 (Hel) (list £129.95) BARGAIN . . . . .£89  
 8991 Class 128 DPU BR green small yellow panels & Midland style fronts M55989 (Hel) . . . . .£94  
 8990 Class 128 DPU BR green speed whiskers and Midland style fronts M55987 (Hel) . . . . .£94



8902 Class 128 DPU W55991 in early BR blue white cab roof domes and yellow gangway door covers (Hel) (list £119.95) BARGAIN . . . . .£89  
 8922 Class 128 DPU W55992 in BR blue yellow ends & no branding 'Scooby Doo' - weathered (Hel) . . . . .£100  
 32-928 Class 150/1 2-car DMU 150150 in BR Regional Railways Sprinter - weathered. (Bac) . . . . .£135.95  
 32-937 Class 150/2 2-car DMU 150202 in Centro blue stripe. (Bac) . . . . .£127.46



32-938 Class 150/2 2-car DMU 150204 in Northern Rail (Bac) £127.46



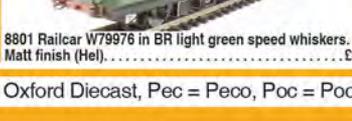
**BARGAIN**  
 31-256DC Class 251 Blue Pullman 6-car Midland set in Nanking blue full yellow ends. DCC Fitted (Bac) (list £349.95) BARGAIN . . . . .£290  
 32-516A Derby Lightweight 2-Car DMU BR green speed whiskers (Bac) £123.21



8704 Railbus W&M E79962 in green large yellow panel - weathered. (Hel) (list £129.95) . . . . .BARGAIN. . . . .£79



8800 Railcar W79975 in BR light green speed whiskers & semi-gloss finish (Hel) . . . . .£94



8801 Railcar W79976 in BR light green speed whiskers. Matt finish (Hel) . . . . .£94



**EMUs**  
 R3184 1960 Brighton Belle Pullman Train Pack in Umber and cream (Hor) . . . . .£176.10



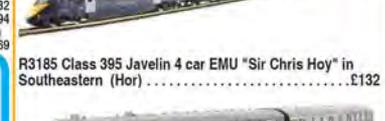
R3290 Class 2-2-2 EMU in BR green small yellow ends (Hor) . . . . .£120.70  
 R3290A Class 2-2-2 EMU in BR green small yellow panels (Hor) £120.70



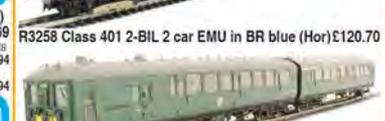
R3260 Class 2-2-2 EMU in SR green (Hor) . . . . .£120.70  
 31-030\* Class 350/1 Desiro 4 Car EMU 350 111 'Apollo' in Silver Link (unbranded) (Bac) . . . . .£150



31-032 Class 350/1 Desiro 4-Car EMU 350 102 in London Midland (Bac) . . . . .£149  
 31-031 Class 350/2 Desiro 4 Car EMU 350 208 in London Midland (Bac) . . . . .£149



R3185 Class 395 Javelin 4 car EMU 'Sir Chris Hoy' in Southeastern (Hor) . . . . .£132



R3258 Class 401 2-BIL 2 car EMU in BR blue (Hor) £120.70



R3257 Class 401 2-BIL 2 car EMU in BR green yellow ends (Hor) . . . . .£120.70



31-267 Class 419 Motor Luggage Van (MLV) in BR blue & grey (Bac) . . . . .£83.26  
 31-268 Class 419 Motor Luggage Van (MLV) Network South East (revised) (Bac) . . . . .£83.26



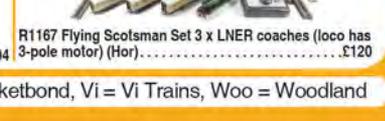
**Track Maintenance vehicles**  
 B859R2Y MRA side-tipping ballast train. 5 car unit & generator vehicle. Network Rail yellow new running number. Pristine (B859A) (Dap) . . . . .£118



B800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap) . . . . .£56



36-165A Plasser Tamper track maintenance machine (motorised) (Bac) . . . . .£59.46



31-577 Windhoff MPV Multi-Purpose master and slave units in 'Railtrack' (Bac) . . . . .£126

**Track cleaning fluid**  
 B805 100ml of track cleaning fluid for the B800 Track cleaner (Dap) . . . . .£7  
**Train sets - analogue**  
 R1151 Caledonian Belle trainset 0-4-0 steam loco in blue 4 wheel coach & open wagon (Hor) . . . . .£49

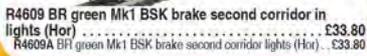


R1167 Flying Scotsman Set 3 x LNER coaches (loco has 3-pole motor) (Hor) . . . . .£120

Visit

[www.ehattons.com/hm](http://www.ehattons.com/hm)

13,000+ items available  
with live stock information



30-077 Midland Metropolitan 32-217 style London Transport maroon pannier (different number to 30-076 version) (Bac) ..... £89.24

30-170 Thames Clyde Express Midland Compound 1000, 2 x corridor composite & 3rd brake coach in LMS (Bac) £148.71  
30-105 The Midland Marvel Midland 3F 3522 in LMS, brake van in LMS grey & 2 x 8-plank wagons (Bac) ..... £106.21  
30-060 The Western Wanderer Class 5700 Pannier 3020 in GWR shirburn green and GWR Toad brake van & shunters truck in GWR gr (Bac) ..... £84.96

**Train sets - DCC**

30-042 DCC starter train set 0-6-0 Saddle Tank loco & 0-6-0 Junior Diesel Shunter, 2 wagons, brake van & 36-500 controller (Bac) ..... £127.49

30-048 Highland Tourer Digital Sound Set Class 37/4 37418 in BR blue and Mk2 TSO & BSO coaches in Far North green & cream (Bac) ..... £250.71

**Coaches**

R4636 Arriva Trains Wales MK3 Buffet first class (Hor) NEW ..... £26.40

R4635 Arriva Trains Wales MK3 TSO second class (Hor) £26.40  
R4635A Arriva Trains Wales MK3 TSO second class (Hor) ..... £26.40  
R4635B Arriva Trains Wales MK3 TSO second class (Hor) ..... £26.40

R4566 BR (Ex LNER) 61' 6" Corridor Brake Composite in maroon (Hor) ..... £44  
R4569 BR (Ex LNER) 61' 6" Corridor Buffet Car in maroon (Hor) ..... £44  
R4349A BR Blood and Custard Maunsell 4 Compartment Brake 3rd (High Window) A (Hor) ..... £32  
R4344A BR Blood and Custard Maunsell Corridor 1st Class (High Window) A (Hor) ..... £32

R4603 BR blue & grey (Western Region) MK3 buffet (Hor) NEW ..... £26.40  
R4611 BR blue & grey MK2E TF first class lights (Hor) ..... £27.80  
R4613 BR blue & grey MK2E TSO tourist second open (Hor) ..... £23.10  
R4606 BR blue Ex-LMS 50' full brake (Hor) ..... £33.30  
R4644 BR chocolate and cream Mk1 TSO tourist second open (Hor) ..... £23.10

R4603 BR blue & grey (Western Region) MK3 buffet (Hor) NEW ..... £26.40  
R4611 BR blue & grey MK2E TF first class lights (Hor) ..... £27.80  
R4613 BR blue & grey MK2E TSO tourist second open (Hor) ..... £23.10  
R4606 BR blue Ex-LMS 50' full brake (Hor) ..... £33.30  
R4644 BR chocolate and cream Mk1 TSO tourist second open (Hor) ..... £23.10

R4612 BR blue & grey MK2E BSO brake second open lights (Hor) ..... £27.80  
R4614 BR blue & grey MK2E FO first open (Hor) ..... £23.10  
R4611 BR blue & grey MK2E TF first open lights (Hor) ..... £27.80  
R4613 BR blue & grey MK2E TSO tourist second open (Hor) ..... £23.10  
R4606 BR blue Ex-LMS 50' full brake (Hor) ..... £33.30  
R4644 BR chocolate and cream Mk1 TSO tourist second open (Hor) ..... £23.10

R4603 BR blue & grey (Western Region) MK3 buffet (Hor) NEW ..... £26.40  
R4611 BR blue & grey MK2E TF first class lights (Hor) ..... £27.80  
R4613 BR blue & grey MK2E TSO tourist second open (Hor) ..... £23.10  
R4606 BR blue Ex-LMS 50' full brake (Hor) ..... £33.30  
R4644 BR chocolate and cream Mk1 TSO tourist second open (Hor) ..... £23.10

R4609 BR green Mk1 BSK brake second corridor in lights (Hor) ..... £33.80  
R4609A BR green Mk1 BSK brake second corridor lights (Hor) ..... £33.80

R4607 BR green Mk1 CK composite corridor lights (Hor) ..... £33.80  
R4608 BR green Mk1 SK second corridor in lights (Hor) ..... £33.80

R4634 BR InterCity blue & grey MK3 TS second class lights (Hor) ..... £32.90  
R4634A BR InterCity blue & grey MK3 TS second class lights (Hor) ..... £32.90  
R4634B BR InterCity blue & grey MK3 TS second class lights (Hor) ..... £32.90  
R4634C BR InterCity blue & grey MK3 TS second class lights (Hor) ..... £32.90

R4643 BR maroon Mk1 SO second open (Hor) ..... £23.10  
R4621 BR maroon Mk1 TSO tourist second open (Hor) ..... £23.10  
R4629 BR maroon Mk1 TSO tourist second open - Railroad range (Hor) £18.50  
39-229C BR Mk1 BCK Brake Composite Corridor (WR) Chocolate & Cream (Bac) ..... £28.01  
39-225C BR Mk1 BCK Brake Composite Corridor Blue & Grey (Bac) ..... £28.01  
39-226E BR Mk1 BCK Brake Composite Corridor Maroon Weathered (Bac) ..... £29.71  
39-079C BR Mk1 BSK Brake Second Corridor (WR) Chocolate & Cream - weathered (Bac) ..... £29.71  
39-075D BR Mk1 BSK Brake Second Corridor Blue & Grey (Bac) £28.01

R4643 BR maroon Mk1 SO second open (Hor) ..... £23.10  
R4621 BR maroon Mk1 TSO tourist second open (Hor) ..... £23.10  
R4629 BR maroon Mk1 TSO tourist second open - Railroad range (Hor) £18.50  
39-229C BR Mk1 BCK Brake Composite Corridor (WR) Chocolate & Cream (Bac) ..... £28.01  
39-225C BR Mk1 BCK Brake Composite Corridor Blue & Grey (Bac) ..... £28.01  
39-226E BR Mk1 BCK Brake Composite Corridor Maroon Weathered (Bac) ..... £29.71  
39-079C BR Mk1 BSK Brake Second Corridor (WR) Chocolate & Cream - weathered (Bac) ..... £29.71  
39-075D BR Mk1 BSK Brake Second Corridor Blue & Grey (Bac) £28.01

R4604 BR Mk1 BSK in holiday camping coach green and cream (Hor) ..... £22.70  
39-320A BR Mk1 BSP Pullman bar 2nd 'The Hadrian Bar' (with lighting) (Bac) ..... £39.91  
39-125D BR Mk1 CK Composite Corridor Blue & Grey (Bac) £28.01  
39-127E BR Mk1 CK Composite Corridor Crimson & Cream Weathered (Bac) ..... £29.71

39-126G BR Mk1 CK Composite Corridor Maroon Weathered (Bac) ..... £29.71  
39-291A BR Mk1 FP Pullman parlour 1st coach blue grey (with lighting) (Bac) ..... £39.91  
39-300C BR Mk1 SK Pullman Second Kitchen in Umbler & Cream Car 355 (With Lighting) (Bac) ..... £39.91  
39-029E BR Mk1 SK Second Corridor chocolate & cream (Bac) ..... £28.01  
39-501 BR Mk1 SLF Sleeper Car in blue & grey (Bac) ..... £33.11

39-126G BR Mk1 CK Composite Corridor Maroon Weathered (Bac) ..... £29.71  
39-291A BR Mk1 FP Pullman parlour 1st coach blue grey (with lighting) (Bac) ..... £39.91  
39-300C BR Mk1 SK Pullman Second Kitchen in Umbler & Cream Car 355 (With Lighting) (Bac) ..... £39.91  
39-029E BR Mk1 SK Second Corridor chocolate & cream (Bac) ..... £28.01  
39-501 BR Mk1 SLF Sleeper Car in blue & grey (Bac) ..... £33.11

39-500 Pack of 4 BR Mk1 SLF Sleeper Car in maroon (Bac) (list £155.80) ..... BARGAIN ..... £122  
39-500 Single (Bac) ..... BARGAIN ..... £33  
39-503 BR Mk1 SLSTP Sleeper Car in blue & grey 'Tintin'-City' (Bac) ..... £33  
39-503 Pack of 4 (Bac) (list £155.80) ..... BARGAIN ..... £122

39-502 Pack of 4 BR Mk1 SLSTP Sleeper Car in maroon (Bac) (list £155.80) ..... BARGAIN ..... £120  
39-502 Single (Bac) ..... BARGAIN ..... £33  
39-054C BR Mk1 SO Second Open (WR) Chocolate & Cream (Bac) ..... £28.01  
39-052G BR Mk1 SO Second Open Crimson & Cream (Bac) ..... £28.01  
39-311A BR Mk1 SP Pullman Second Parlour Grey & Blue (With Lighting) (Bac) (list £46.95) ..... BARGAIN ..... £39  
39-363 BR Mk2A TSO Tourist Second Open Network South-East (Bac) ..... £33.96  
R4595 BR Mk3 TGS in blue & grey lights 'Eastern Region' (Hor) ..... £32.90

R4522B Gresley (Non Vestibuled) suburban 3rd class brake in BR Crimson (Hor) ..... £37.30  
R4518A Gresley (Non Vestibuled) suburban 3rd class brake (LNER) tank (Hor) £37.30  
R4521B Gresley (Non Vestibuled) suburban composite BR Crimson (Hor) ..... £37.30  
R4531C Gresley 61' 6" full brake in BR maroon (Hor) ..... £47  
R4524 GWR Brake Coach - Railroad Range (Hor) ..... £16  
R4523 GWR Composite Coach - Railroad Range (Hor) ..... £16

R4592 InterCity 125 Executive MK3 buffet (Hor) ..... £26.40  
R4631 InterCity 125 Executive MK3 TF first class (Hor) ..... £26.40  
R4632 InterCity 125 Executive MK3 TS second class (Hor) ..... £26.40  
R4632A InterCity 125 Executive MK3 TS second class (Hor) ..... £26.40  
R4632B InterCity 125 Executive MK3 TS second class (Hor) ..... £26.40  
R4618 InterCity MK2E BSO brake second open (Hor) ..... £23.10  
R4617 InterCity MK2E FO first open (Hor) ..... £23.10

R4592 InterCity 125 Executive MK3 buffet (Hor) ..... £26.40  
R4631 InterCity 125 Executive MK3 TF first class (Hor) ..... £26.40  
R4632 InterCity 125 Executive MK3 TS second class (Hor) ..... £26.40  
R4632A InterCity 125 Executive MK3 TS second class (Hor) ..... £26.40  
R4632B InterCity 125 Executive MK3 TS second class (Hor) ..... £26.40  
R4618 InterCity MK2E BSO brake second open (Hor) ..... £23.10  
R4617 InterCity MK2E FO first open (Hor) ..... £23.10

R4592 InterCity 125 Executive MK3 buffet (Hor) ..... £26.40  
R4631 InterCity 125 Executive MK3 TF first class (Hor) ..... £26.40  
R4632 InterCity 125 Executive MK3 TS second class (Hor) ..... £26.40  
R4632A InterCity 125 Executive MK3 TS second class (Hor) ..... £26.40  
R4632B InterCity 125 Executive MK3 TS second class (Hor) ..... £26.40  
R4618 InterCity MK2E BSO brake second open (Hor) ..... £23.10  
R4617 InterCity MK2E FO first open (Hor) ..... £23.10



R4616 Intercity MK2E TSO tourist second open (Hor) £23.10  
39-455 LMS 57 ft Porthole Corridor 1st in BR crimson & cream (Bac) ..... £33.96



39-450 Pack of 4 LMS 57 ft Porthole Corridor 3rd in BR crimson & cream (Bac) (list £159.80) ..... BARGAIN ..... £125  
39-450 Single (Bac) ..... £33.96  
39-470 LMS 60 ft Porthole Corridor Brake 1st BR Crimson & Cream (Bac) ..... £33.96  
39-465 LMS 60 ft Porthole Corridor Composite BR Crimson & Cream (Bac) ..... £33.96



39-475 LMS 60 ft Porthole Open Vestibule 1st BR in crimson & cream (Bac) ..... £33.96  
R4388 LMS Composite Coach (Hor) ..... £16  
R4574 LNER Thompson Teak effect Non-Corridor Brake third class coach (Hor) ..... £40  
R4355 Mk1 BSK brake corridor second BR chocolate & cream. New tooling for 2013 (Hor) ..... £17  
R4352 Mk1 BSK brake corridor second BR maroon. New tooling for 2013 (Hor) ..... £17  
R4354 Mk1 SK corridor second BR chocolate & cream. New tooling for 2013 (Hor) ..... £17  
R4638 Mk2U TSO open standard in Intercity Swallow (Hor) ..... £24



R2955DVT Mk3 DVT 82126 in Virgin Trains 'Pretendolino' (unboxed) (Hor) (list £45) ..... BARGAIN ..... £42  
R4543 Mk3 Ex Virgin First Class - weathered. Withdrawn from 2012 range (Hor) ..... £27.50



34-326A Period III 50ft parcels van in BR crimson & cream (Bac) ..... £21.21  
34-330 Period III 50ft parcels van BR departmental black 'Electrification' (Bac) ..... £21.21  
34-331 Period III 50ft. Ex-LMS PIII BG Van Tartan Arrow (Bac) ..... £21.21  
R4427 Pullman 3rd Class Parlor Car No 86 - steel sided (Hor) ..... £40  
34-654C Thompson 63ft full brake in BR maroon (Bac) ..... £23.76



38-577 10 Ton Fish Van BR Bauxite (Late) (Bac) ..... £11.86  
38-191B 10 Ton insulated van in BR white (Bac) ..... £11.86



37-628B Megapack of 8 102 Tonne GWR Thrall BRA steel strip carrier in EWS - weathered (Bac) (list £231.80) BARGAIN ..... £174  
37-628B Single (Bac) ..... £24.61  
37-628B Pack of 4 (Bac) (list £115.80) ..... BARGAIN ..... £32



38-072 12 ton Southern 2-2 planked ventilated van in Express Dairies Eggs (Bac) ..... £11.86  
38-084 12 ton Southern 2-2 planked ventilated van BR small logo (Bac) ..... £11.86  
37-731A 12 ton ventilated van in BR WR gr (Bac) ..... £11.86  
37-731A Pack of 4 (Bac) (list £55.80) ..... BARGAIN ..... £42

38-325\*- Pack of 4 13 Ton high sided steel open wagon chain pockets in BR bauxite (early) (Bac) (list £58) BARGAIN ..... £38  
38-325\*- Single (Bac) (list £14.50) ..... BARGAIN ..... £10  
38-325\*- Megapack of 8 (Bac) (list £116) ..... BARGAIN ..... £74



38-270A Pack of 4 22 ton Presflo in Blue Circle Railfreight brown (Bac) ..... £80  
38-270A Single (Bac) ..... £22  
38-272 22 ton Presflo in Rugby Cement (Bac) ..... £22  
38-011B 24 Tonne glw MFA open box mineral wagon EWS (ex-Loadhaul) (Bac) ..... £12.71  
38-011B Pack of 4 (Bac) (list £50.80) ..... BARGAIN ..... £46  
38-011B Megapack of 8 (Bac) (list £119.80) ..... BARGAIN ..... £38  
38-402A 25 ton Pili Box brake van in BR bauxite (Bac) ..... £20.36  
38-401A 25 ton Pili Box brake van in BR grey - weathered (Bac) ..... £21.21  
38-626B 25 Ton Queen Mary brake van in BR departmental olive (Bac) ..... £16.11  
37-275F 27 ton steel tippler wagon in BR grey 'Iron Ore' (Bac) ..... £10.16  
37-931 3 plank wagon in BR Departmental olive green (Bac) ..... £3.31  
37-932 3 plank wagon in LMS bauxite (Bac) ..... £3.31  
37-933 3 plank wagon in LMS grey (Bac) ..... £3.31



R6606 3 x HAA MGR coal wagons (Railroad range) (Hor) £19  
R6606 Box of 12 (Hor) (list £249) ..... BARGAIN ..... £210  
38-041B 31 Tonne OGA open wagon in Railfreight (Bac) ..... £16.33  
38-041B Pack of 4 (Bac) (list £77.80) ..... BARGAIN ..... £60  
38-041B Megapack of 8 (Bac) (list £155.80) ..... BARGAIN ..... £116  
38-120B 35 Ton VAA box van sliding door Railfreight red & grey weathered (Bac) ..... £20.36  
38-120B Pack of 4 (Bac) (list £95.80) ..... BARGAIN ..... £72  
38-120B Megapack of 8 (Bac) (list £191.80) ..... BARGAIN ..... £136  
38-126A 35 Ton VBB box van sliding door in BR bauxite - weathered (Bac) (list £23.85) ..... BARGAIN ..... £20.36  
38-126A Pack of 4 (Bac) (list £95.80) ..... BARGAIN ..... £72  
38-126A Megapack of 8 (Bac) (list £191.80) ..... BARGAIN ..... £136  
37-578A 45 ton TTA tank in (CI Methanol) (Bac) ..... £13.56  
37-582C 45 ton TTA tank in Shell black (Bac) ..... £13.56  
38-068A 45 tonne glw MEA open box wagon in Coal sector (Bac) ..... £12.71  
38-020A 40 Tonne glw CEA covered hopper wagon EWS - weathered (Bac) ..... £15.68  
38-020A Pack of 4 (Bac) (list £73.80) ..... BARGAIN ..... £58  
38-020A Megapack of 8 (Bac) (list £147.80) ..... BARGAIN ..... £110



37-603A Megapack of 8 46 Tonne glw VGA sliding wall van in EWS - weathered (Bac) (list £168) BARGAIN ..... £122  
37-603A Single (Bac) ..... £17.85  
37-603A Pack of 4 (Bac) (list £64) ..... BARGAIN ..... £54  
37-601C 5 plank wagon wooden floor in BR grey (Bac) ..... £10.16  
B500MULTI 5 x Cattle Wagon Mullpack (Dap) ..... £38  
33-436 51 tonne SSA scrap wagon in blue (Bac) ..... £12.71  
33-437 51 tonne SSA scrap wagon in Transrail grey (Bac) ..... £12.71  
4F-031-006 6 wheel milk tanker 'MMB' - weathered (Dap) ..... £12  
4F-031-003 6 wheel milk tanker 'Unigate Dairies' (ex-B1009) (Dap) ..... £13  
4F-031-029 6 wheel milk tanker 'Unigate Dairies' - weathered (Dap) ..... £12  
37-1887 7 plank wagon coal rails 'Moy' - weathered (Bac) ..... £12.33  
38-150A 80 tonne glw BDA bogie bolster wagon in Loadhaul (Bac) £20.36  
38-150A Pack of 4 (Bac) (list £95.80) ..... BARGAIN ..... £74  
38-150A Megapack of 8 (Bac) (list £191.80) ..... BARGAIN ..... £138  
38-352A BAA steel carrier steel coils in Railfreight red & black (Bac) ..... £22.06  
38-350A BZA steel carrier steel coils in EWS (Bac) ..... £22.06



38-345A\*- Megapack of 8 FNA Nuclear Flask Wagon flat floor & round buffers in standard buff - Flask 9 (Bac) (list £240.80) ..... BARGAIN ..... £128  
38-345A\*- Single (Bac) (list £30.10) ..... BARGAIN ..... £17  
38-345A\*- Pack of 4 (Bac) (list £120.40) ..... BARGAIN ..... £65  
38-347A FNA nuclear flask wagon sloping floor & oval buffers in standard Buff - Flask 43 (Bac) ..... £25.59  
R6686 Fuel wagon pack with Shell, Texaco & Total tankers (Hor) ..... £12  
R6625 GWR Mogvo Van (Hor) ..... £10  
37-313 Intermodal bogie wagon 2 x 45ft containers in Maersk (Bac) ..... £42.46



38-250 Pack of 4 IPA twin double deck car transporter in 'STVA' red (Bac) (list £199.80) ..... BARGAIN ..... £140  
38-250 Single (Bac) ..... £37  
38-212A JJA auto ballaster in Railtrack curved top profile (4 per rake each generator wagon) (Bac) ..... £42.46  
38-212A Pack of 4 (Bac) (list £169.80) ..... BARGAIN ..... £160  
38-200A JVA bogie cement hopper 'VTG - Lalarco Cement' (Bac) £30.56  
38-200A Pack of 4 (Bac) (list £143.80) ..... BARGAIN ..... £112  
38-200A Megapack of 8 (Bac) (list £287.60) ..... BARGAIN ..... £212  
BHSPEC779a KTA Intermodal pocket wagon in debranded ex-Tiphook (weathered) 97706, (Dap) (list £26.95) ..... BARGAIN ..... £22  
38-300 OJA (ex-VDJA) timber carrier lumber load in BR Railfreight (Bac) ..... £20  
38-300 Pack of 4 (Bac) (list £99.80) ..... BARGAIN ..... £77  
37-365 Pack of 3 13 ton steel sand tippler wagon in Taunton Concrete - weathered (Bac) ..... £30.56  
37-672 Pack of 3 14 Ton tank wagons in British Tar - weathered (Bac) ..... £38.21  
37-671 Pack of 3 14 Ton tank wagons in Fina - weathered (Bac) ..... £38.21



37-236 Pack of 3 16 ton steel mineral wagons in NCB top flap doors - weathered (Bac) ..... £30.56  
38-287 Pack of 3 22 ton Prestios in BR bauxite - weathered (Bac) £68.73  
37-982 Pack of 3 Cornflair wagons in BR bauxite BD containers in BR crimson - weathered (Bac) ..... £36.51  
38-632 PCA Metclair Bulk Powder Wagon Grey - weathered (Bac) £15.26



38-327\*- Megapack of 8 13 Ton high sided steel open wagon smooth sides in BR bauxite (early) (Bac) (list £116) BARGAIN ..... £70  
38-327\*- Single (Bac) (list £14.50) ..... BARGAIN ..... £9.50  
38-327\*- Pack of 4 (Bac) (list £58) ..... BARGAIN ..... £36  
37-356 13 ton steel sand tippler wagon in Departmental olive green (Bac) £10.16  
37-661 14 ton tank wagon in (CI) (Bac) ..... £12.71  
37-378 16 ton pressed and acid steel mineral wagon in BR grey (Bac) ..... £10.16  
37-253B 16 ton steel mineral wagon without top flap doors in BR grey - weathered (Bac) ..... £11.01  
38-307 20 ton Toad brake van in BR grey - weathered (Bac) ..... £10.37  
38-308 20 ton Toad brake van in BR grey - weathered (Bac) ..... £10.88  
C036 201 Class B Tanker 'Esson' plastic kit (Dap) ..... £5.40



R6371 Pack of 6 Petrol tanker wagon in Shell black (Hor) (list £37.50) ..... BARGAIN ..... £33  
R6371 Single (Hor) ..... £6

**Containers & Loads**

44-551 Coal loads for 4-wheel wagons x 4 (Bac) ..... £6.76



Prices valid until 09/04/15

Orders received after this date for products that have increased in price will be given a refund

**Analogue controllers**



36-560 Plug in 0.7 Amp transformer separate speed controller, track connector wires & power clip (Bac) . £25.54  
R8250 Standard Train Controller (an alternative to R865). Use R964 or P9200 transformer (Hor) . £21

**Analogue power supplies**

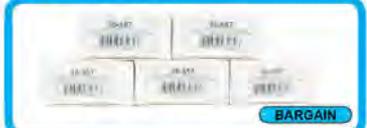
P9200 Multi-purpose transformer for use R8250. Successor to R864 (Hor) . £14

**DCC decoders**

36-554 21-pin 3-function 2-sided 1A decoder back EMF for slow running (Bac) £12



DCR-21PIN-Direct Box of 10 21-pin 4-function 1.1Amp direct plug decoder back EMF (Hat) . . . . . £110  
DCR-21PIN-Direct Single (5 Hat) . . . . . £12  
DCR-21PIN-Direct Box of 5 (Hat) . . . . . £57



36-557 Pack of 5 21-pin E-Z Command 4-function 1A decoder back EMF (Bac) (list £92.50) . . . . . £70  
36-557 Single (Bac) . . . . . £14.50  
DCR-27 8 & 21-pin 4-function 1A (1.8A peak) small OMNI decoder (measures 23 x 27 x 10mm) (Gau) . . . . . £16



R8249 Box of 6 8-pin 4-function 2-sided 0.5A (1A peak) decoder (Hor) . . . . . £76  
R8249 Single (Hor) . . . . . £14  
DCR-8PIN-Direct 8-pin compact direct 4-function 1.1Amp decoder back EMF (Hat) . . . . . £13  
DCR-8PIN-Direct Box of 5 (Hat) . . . . . £59  
DCR-8PIN-Direct Box of 10 (Hat) . . . . . £105

**DCC accessory decoders**

PC2 One Touch DCC Quad Point Controller x 4 (Tra) . . . . . £32

**DCC controllers**



R8213 DCC Select unit (boxed) (Hor) . . . . . £90

**DCC accessories**

R8232 DCC Electro point clips (20 in a pack - 2 used per point) (Hor) . £3  
R8238 DCC reverse loop control module (Hor) . . . . . £34  
R8239 Power and Signal Booster - can be used any DCC controlled system (Hor) . . . . . £74

**Point motors**

R8015 Adaptor Base & Housing for R8014 (Hor) . . . . . £4  
R8014 Mark 2 Point Motor (Hor) . . . . . £7

**Switches & Levers**

R047 'On-Off' lever frame switch (Hor) . . . . . £9



R044 Passing contact lever frame switch (for point motors) (Hor) . . . . . £9

**Electronic components**

DCC40 Reverse loop control module (Gau) . . . . . £32

**Lighting equipment**

CL34 Cool White Coach Light Strip Modern Image Door Sounds (Tra) NEW £21  
CL1 Standard Coach Lighting Strips - Cool White (Tra) . . . . . £17



CL2 Standard Coach Lighting Strips - Warm White (Tra) . £17  
R8673 Station lamps (pack of 4) - Skalesdale (Hor) . . . . . £6

**NEW**



44-559 Street lamps x 4 (Bac) NEW . . . . . £5.91

**NEW**



44-561 Wood post yard lamps (Bac) NEW . . . . . £10.16

**Accessories**

SFX20 Diesel loco sound capsule (with built in battery, speaker & motion detector) (Tra) . . . . . £37  
R207 Track fixing pins (Hor) . . . . . £2

**Spare**

36-026 10 x Mk2 Couplings mini type - long (Bac) . . . . . £4.68  
36-060 Branchline coach 'pin' coupling x 4 (Bac) . . . . . £2.98  
SL-111 Finescale insulated rail joiners/fishplates (Code 70, 75 & 83) for OO & HO gauge - Pack of 12 (Pec) . . . . . £2.30  
SL-110 Finescale rail joiners/fishplates (for code 70, 75 & 83) for OO & HO gauge - Pack of 24 (Pec) . . . . . £2.20  
SL-11 Insulated rail joiners/fishplates (for OO, HO & O gauge code 100 rails incl. Hornby, Peco & Peco Streamline) - Pack of 12 (Pec) . . . . . £2



SL-10 Metal rail joiners/fishplates (for code 100 rails incl Hornby, Peco & Peco Streamline). For OO, HO & O gauge - Pack of 24 (Pec) . . . . . £2

36-030 Mk2 Couplings NEM shaft (straight) pocket x 10 (Bac) . . . . . £6  
R6220 NEM pocket disc coupling x 10 (Hor) . . . . . £5  
20KADEE NEM-362 Extra Long Coupler - 11.68 mm (20/64") (w/o Draft Gear Boxes) (2 pair) (Kad) . . . . . £2.90  
19KADEE NEM-362 Long Coupler - 10.61 mm (27/64") (w/o Draft Gear Boxes) (2 pair) (Kad) . . . . . £3.50



18KADEE NEM-362 Medium Coupler - 8.63 mm (11/32") (w/o Draft Gear Boxes) (2 pair) (Kad) . . . . . £3.50

17KADEE NEM-362 Short Coupler - 7.11 mm (9/32") (w/o Draft Gear Boxes) (2 pair) (Kad) . . . . . £3.50  
GM50 OO/HO gauge loco wheel cleaner (Gau) . . . . . £24  
TT4501 Tidy Track Photo Wheel Cleaner (OO/HO Gauge) (Woo) . . . . . £21.75  
11KADEE Universal Metal Coupler Metal Medium (9/32") Centerset Shank (20 pairs) (Kad) . . . . . £16.50

**Wheel sets**



R8218 14.1 mm coach wheels (pack of 10) (Hor) . . . . . £5  
R8264 14.1mm 2 hole coach wheels (pack of 10) (Hor) . . . . . £5  
36-033 Brass turned coach disc wheels on metal axles - Pack of 10 (Bac) . . . . . £9.99  
R8097 Metal 3 hole disc wagon wheels on axles (10 axles) (Hor) . . . . . £6.50  
36-015 Metal 3-hole disc wagon wheels on 10 metal axles - Pack of 20 (Bac) . . . . . £7  
R8098 Metal spoke wheels on axles (10 axles) (Hor) . . . . . £5.50  
R6036 Metal spoked wheels on axles (10 axles) (Hor) . . . . . £5.06  
36-010 Pair of Collett bogies (Bac) . . . . . £5.06  
36-008A Pair of Commonwealth coach bogies (Bac) . . . . . £5



36-024 Pair of LMS bogies (Bac) . . . . . £5  
36-006A Pair of Thompson coach bogies (Bac) . . . . . £5

**Man-made scenic structure - railway-related**



44-0008 2 platform ramps (Bac) NEW . . . . . £12.33  
44-153 2 straight platforms - Great Central style (122 x 165 x 20mm) (Bac) . . . . . £12.71



44-0011 2 wooden platform ramps (Bac) NEW . . . . . £10.16



44-0010 2 wooden platforms (Bac) NEW . . . . . £25.46



LK-55 76ft Well type turntable (Pec) . . . . . £39



R083 Box of 6 Buffer Stop (Hor) . . . . . £8  
R083 Single (Hor) . . . . . £1.40  
BF-HO-03 Buffer stop light (DCC Wireless) (Pro) . . . . . £9  
R8227 Building/Trackset Accessories Pack 1. Contains 1 x R8001, 1 x R171, 2 x R464, 1 x R460 (Hor) . . . . . £24  
R636 Double track level crossing (Hor) . . . . . £18



44-560 Lineside cabinets (Bac) NEW . . . . . £6.76  
R537 Lineside Fencing (Hor) . . . . . £7  
44-506 Motive Power Depot Accessories (Bac) . . . . . £14  
OCCAT1 Overhead Mk3 High Speed Catenary Single Mast (Pack of 10) - 5 long arm and 5 short arm easi-fix mounting system (Dap) . . . . . £8  
LK-10 Plate Girder Bridge Sides (Pec) . . . . . £3.80  
R514 Platform Canopy x 2 (Hor) . . . . . £12  
LK-62 Platform Edging, Concrete Type (Height 20mm) (Pec) . . . . . £4.60  
SL-40 Rail built buffer stop (Pec) . . . . . £1.40  
R8202L Signal box and a selection of trackside accessories (Hor) (list £23.75) . . . . . BARGAIN . . . . . £17  
44-548 Station Signage Set (15 x 5 x 48mm) (Bac) . . . . . £4.21  
R460 Straight Platform (Hor) . . . . . £3.50  
R8614 Straight Platform x 2 - Skalesdale (Hor) . . . . . £9

**Signals**

R172 Distant signal (Hor) . . . . . £8  
R169 Home junction signal (Hor) . . . . . £10  
R171 Home signal (Hor) . . . . . £8  
TT180 Modern-style 4-track Gantry Kit (signal heads not included) (Tra) . . . . . £28  
D58 One Touch DCC Signal Dual Home (FUG) (Tra) . . . . . £32  
D51 One Touch DCC Signal Home (FUG) (Tra) . . . . . £22



4L-001-001 Signal - Motorised, Square post GWR home lower quadrant (OOSIGN1) (Dap) . . . . . £22  
4L-002-002 Signal - Motorised, Square post LMS distant upper quadrant (ex-OOSIGN4) (Dap) . . . . . £22

**Buildings - general**

44-134 1930's Semi Detached Houses (140 x 70 x 110mm) (Bac) . . . . . £33.96  
EM6008 3 house terrace (Pec) . . . . . £15  
EM6010 3 House Terrace - Backs (Pec) . . . . . £15  
PO229 Brewing facility consisting of main brewhouse, malt store & ale store. (Card Kit) (Met) . . . . . £9  
R9759 County Hall - Low Relief (Hor) . . . . . £28.80  
44-228 Low Relief 'Soggy Subs Laundrette' (60 x 24 x 100mm) (Bac) . . . . . £14.41  
44-239 Low Relief 3/4 View Church (140 x 80 x 125mm) (Bac) . . . . . £33.96



44-247 Low relief bookmakers maisonette (70 x 19 x 132mm) (Bac) NEW . . . . . £18.66  
44-209 Low Relief Butchers Shop Aiming (Bac) . . . . . £15



44-245 Low relief corner chemist (60 x 19 x 113mm) (Bac) NEW . . . . . £18.66



44-242 Low relief gentlemen outfitters (60 x 19 x 115mm) (Bac) NEW . . . . . £19.51



44-253 Low relief greengrocers (66 x 19 x 109mm) (Bac) NEW . . . . . £20.36



44-256 Low relief hardware store maisonette (70 x 19 x 132mm) (Bac) NEW . . . . . £18.66  
44-205 Low Relief Industrial Unit (272 x 56 x 127mm) (Bac) (list £32.50) . . . . . BARGAIN . . . . . £19



44-243 Low relief Lyons cornerhouse (66 x 19 x 109mm) (Bac) NEW . . . . . £19.51



44-258 Low relief milk depot (145 x 50 x 75mm) (Bac) NEW . . . . . £50.96  
44-222 Low Relief Newsagents (70 x 22 x 110mm) (Bac) . . . . . £14.41



44-249 Low relief off-licence maisonette (70 x 19 x 132mm) (Bac) NEW . . . . . £18.66



44-248 Low relief post office maisonette (70 x 19 x 132mm) (Bac) NEW . . . . . £18.66



44-254 Low relief power signal box (247 x 48 x 88mm) (Bac) NEW . . . . . £29.71  
44-233 Low Relief Rear Of Terrace (120 x 30 x 105mm) . . . . . £16.96  
44-227 Low Relief Rear of Victorian Tenements (234 x 56 x 160mm) (Bac) . . . . . £42.46  
PO276 Low relief terrace house backs - red brick (Met) . . . . . £10



PO274 Low relief terrace house fronts - red brick (128w x 73d x 125h mm) (Met) . . . . . £10  
PO275 Low relief terrace house fronts - stone (128w x 73d x 125h mm) (Met) . . . . . £10



44-246 Low relief terraces (120 x 19 x 104mm) (Bac) £22.91  
44-257 Low relief Victorian school (249 x 39 x 92mm) (Bac) . . . . . £33.96  
44-059 Oak Hill Brewery Boiler House (72 x 52 x 52mm) (Bac) . . . . . £11  
PO261 Pair of red brick terraced houses (Card Kit) (Met) . . . . . £9  
44-159 Pendon Little Chapel Cottage (137 x 70 x 90mm) (Bac) . . . . . £28.01  
44-157 Pendon Wagon & Horses Pub (230 x 95 x 100mm) (Bac) . . . . . £40.76



44-0005 Portable office (96 x 42 x 34mm) (Bac) NEW . . . . . £16.96  
PO262 Stone Terraced Houses (Met) . . . . . £8  
R8622 Terrace house (right hand) - Skalesdale (Hor) . . . . . £12  
PO272 Terraced shop fronts - brick - 128 (w) x 73 (d) mm (Met) . . . . . £17.40  
R9757 The Chapel - Low Relief (Hor) NEW . . . . . £14.40  
PO282 Warehouse - low relief or stand-alone (Met) . . . . . £11  
44-0006 Wooden Village Hall (160 x 90 x 70mm) (Bac) . . . . . £38.21



**Man-made scenic structure - non-railway**

44-565 6ft Victorian wall sections (Bac) NEW . . . . . £7.61  
OOF8 Charlink Security Fence Beaded Wire Top Kit (240 x 25mm) (Hor) . . . . . £12  
44-0004 Coal stall/tea stone (Bac) . . . . . £13.56



44-567 Coolant trolleys x 4 (Bac) NEW . . . . . £6.76



44-564 Corner pavements and drop curbs (Bac) NEW £5.91



44-568 Corrugated metal shed (Bac) NEW . . . . . £5.06  
LK-45 Flexible field fencing - Approx 1000mm (42in). 5 pieces (Pec) . . . . . £2.50  
R9762 Holiday Coach Access Steps (Hor) . . . . . £9.80



44-566 Memorial (Bac) NEW . . . . . £5.91



44-562 Metal fencing (Bac) NEW . . . . . £8.46  
44-510 Modern Shelters (1x2) (Bac) . . . . . £8.95  
44-539 Platform Tractor Unit (Bac) NEW . . . . . £12

44-505 Security fences x 10 - Scenecraft range (Bac) £5

# Opening Hours

Shop 8am to 6pm Mon to Sat  
10am to 4pm Sun

Phones 7am to 9pm Mon to Thu  
8am to 6pm Fri & Sat  
9am to 5pm Sun



**NEW**



44-556 Stormhaven tent (Bac) **NEW** ..... £16.96

**NEW**



44-563 Straight pavements x 4 (Bac) **NEW** ..... £6.46

### Bridges, Tunnels & Walls

R8512 Double brick tunnel portals x 2 - Skaldedala (Hor) ..... £10  
44-0017 Double-track overhead bridge (Bac) ..... £42.46  
R076 Foot Bridge (Hor) ..... £14  
PO236 Footbridge (Met) ..... £8  
R8808 Grand suspension bridge (Hor) ..... £39  
44-228 Low Relief Double Track Tunnel Portal (175 x 10 x 94mm) (Bac) £13.60



44-225 Low Relief Retaining Walls (168 x 10 x 85mm) (Bac) ..... £14.41

M0055 Paving stone thick card sheets x 8 (Met) ..... £5  
PO246 Railway Bridge in Red Brick (Met) ..... £13  
PO247 Railway Bridge in Stone (Met) ..... £13  
M0054 Red brick card sheets - 4 x thick, 4 x thin. Plus 1 sheet of roofing slates (Met) ..... £5  
PO244 Retaining Wall in Red Brick - 4 sections per kit (Met) ..... £11  
PO245 Retaining Wall in Stone - 4 wall sections per kit (Met) ..... £11

**NEW**



44-555 Stone walls and gates (Bac) **NEW** ..... £11.01  
PO248 Tapered Retaining Wall in Red Brick (Met) ..... £12  
PO249 Tapered Retaining Wall in Stone (Met) ..... £12  
M0056 Tarmacadem Builder thick card sheets x 8 (Met) ..... £5

### Grass, Ground, Lichen, Hedges & Foliage

GB1 Gorse Bushes x 12 (assorted sizes) (K&M) ..... £6  
SH300 Hedge (Small) 150mm x 6 (K&M) ..... £10

### Minerals, Water & Rocks

GM114 Granula Ballast - OO & HO gauge - large bag 500g (Gau) ..... £3

### People - civil

36-407 1950s Train Crew x 6 (Bac) ..... £6.21

36-047 Locomotive staff x 6 (Bac) ..... £6.21  
36-046 Shopping figures x 6 (Bac) ..... £6.21  
36-045 Station passengers sitting x 6 (Bac) ..... £6.21  
36-044 Station passengers standing x 6 (Bac) ..... £6.21  
36-043 Station staff x 6 (Bac) ..... £6.21  
36-049 Trackside workers (Bx) (Bac) ..... £6.21

### Track - Code 100 Setrack

ST-245 Setrack curved double radius left handed point insulfrog (Pec) £12  
ST-244 Setrack curved double radius right handed point insulfrog (Pec) ..... £12  
ST-201 Setrack double straight (Pec) ..... £1.75  
ST-247 Setrack medium radius Y point insulfrog (Pec) ..... £9  
ST-226 Setrack No.2 radius double curve (Pec) ..... £2.30



ST-240 Setrack No.2 radius right handed point insulfrog (Pec) ..... £7.50  
ST-231 Setrack No.3 radius double curve (Pec) ..... £2.25  
ST-230 Setrack No.3 radius standard curve (Pec) ..... £1.75  
ST-235 Setrack No.4 Radius Standard Curve. No "double" version produced - use 16 to form a circle (Pec) ..... £2  
ST-204 Setrack Quad Straight (Pec) ..... £3  
ST-204 Box of 24 (Pec) ..... £68  
ST-203 Setrack special short straight (Pec) ..... £1

### Track - Code 100 Streamline

SL-100 Pack of 25 1 yard (91.5cm) length of Code 100 Wooden-sleeper nickel silver flexible track (Pec) ..... £64  
SL-100 Single (Pec) ..... £2.80  
SL-102 1 yard (91.5cm) length of Nickel Silver concrete-sleeper flexible track (Pec) ..... £2.75  
SL-102 Pack of 25 (Pec) ..... £62  
SL-99 3 way medium radius point insulfrog (Pec) ..... £22

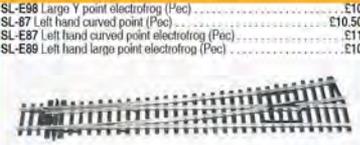


SL-98 Large Y point electrofrog (Pec) ..... £10  
SL-87 Left hand curved point (Pec) ..... £10.50  
SL-E87 Left hand curved point electrofrog (Pec) ..... £11  
SL-E88 Left hand large point electrofrog (Pec) ..... £10

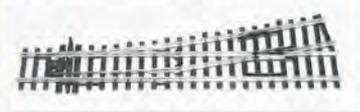


SL-89 Left hand large point insulfrog (Pec) ..... £10  
SL-E96 Left hand medium point electrofrog (Pec) ..... £9

SL-92 Left hand small point (Pec) ..... £8  
SL-86 Right hand curved point (Pec) ..... £10.50  
SL-E86 Right hand curved point electrofrog (Pec) ..... £11  
SL-E88 Right hand large point electrofrog (Pec) ..... £10



SL-89 Left hand large point insulfrog (Pec) ..... £10  
SL-E96 Left hand medium point electrofrog (Pec) ..... £9



SL-88 Right hand large point insulfrog (Pec) ..... £10  
SL-E95 Right hand medium point electrofrog (Pec) ..... £9  
SL-E91 Right hand small point electrofrog (Pec) ..... £8  
SL-93 Short crossing insulfrog (Pac) ..... £9  
SL-80 Single slip insulfrog (Pec) ..... £27  
SL-97 Small Y point (Pec) ..... £8



SL-88 Right hand large point insulfrog (Pec) ..... £10  
SL-E95 Right hand medium point electrofrog (Pec) ..... £9  
SL-E91 Right hand small point electrofrog (Pec) ..... £8  
SL-93 Short crossing insulfrog (Pac) ..... £9  
SL-80 Single slip insulfrog (Pec) ..... £27  
SL-97 Small Y point (Pec) ..... £8

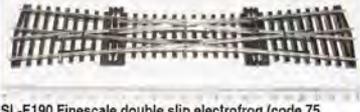
### Track - Code 75 FineScale Streamline



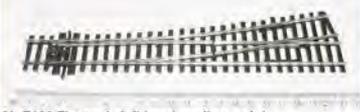
SL-102F Pack of 25 1 yard (91.5cm) length of finescale Nickel Silver concrete-sleeper flexible track (Pec) ..... £64  
SL-102F Single (Pec) ..... £2.80



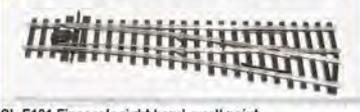
SL-100F Pack of 25 1 yard (91.5cm) length of Nickel Silver Finescale flexible track (Pec) ..... £64  
SL-100F Single (Pec) ..... £2.95  
SL-E199 3 way finescale medium radius point electrofrog (Pec) ..... £24



SL-E190 Finescale double slip electrofrog (code 75 Rail) (Pec) ..... £31  
SL-E187 Finescale left hand curved point electrofrog (Pec) ..... £11  
SL-E189 Finescale left hand large point electrofrog (Pec) ..... £10.50



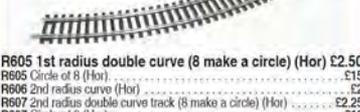
SL-E196 Finescale left hand medium point electrofrog (Pec) ..... £11  
SL-E192 Finescale left hand small point electrofrog (Pec) ..... £10  
SL-E194 Finescale long crossing electrofrog (Pec) ..... £10  
SL-E186 Finescale right hand curved point electrofrog (Pec) ..... £11  
SL-E188 Finescale right hand large point electrofrog (Pec) ..... £10.50



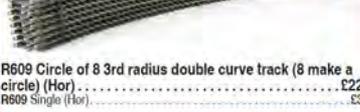
SL-E191 Finescale right hand small point electrofrog (Pec) ..... £10  
SL-E180 Finescale single slip electrofrog (code 75 rail) (Pec) ..... £29  
SL-E197 Finescale small Y point electrofrog (Pec) ..... £9.50

### Track & Points

R8090 1 single yard length of Semi-Flexible Track (Hor) ..... £3.50  
R8090 Pack of 24 (Hor) ..... £79  
R604 1st radius curve (Hor) ..... £2



R605 1st radius double curve (8 make a circle) (Hor) £2.50  
R605 Circle of 8 (Hor) ..... £15  
R606 2nd radius curve (Hor) ..... £12  
R607 2nd radius double curve track (8 make a circle) (Hor) ..... £2.25  
R607 Circle of 8 (Hor) ..... £18



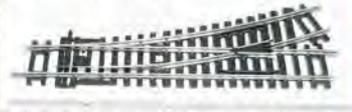
R609 Circle of 8 3rd radius double curve track (8 make a circle) (Hor) ..... £22  
R609 Single (Hor) ..... £2



R8262 Double 4th radius curve (8 make a circle) (Hor) ..... £3  
36-607 Double Curve 2nd radii 438mm Arcs (same as Hornby R807) (Bac) £2



R601 Box of 24 Double Straight (Hor) ..... £49  
R601 Single (Hor) ..... £2.25  
R8222 Extension Pack B. Contains 1 x R8073, 2 x R800, 4 x R807, 1 x R806, 1 x R803 (Hor) ..... £21  
R8223 Extension Pack C. Contains 1 x R8073, 2 x R800, 4 x R807, 1 x R806 (Hor) ..... £21  
R8224 Extension Pack D. 1 x R8072, 3 x R805, 1 x R808, 1 x R836, 1 x R803 (Hor) ..... £32  
R8225 Extension Pack E. Contains 1 x R8073, 2 x R800, 1 x R801, 2 x R807, 1 x R806, 1 x R803 (Hor) ..... £19  
R8226 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) ..... £22  
R910 Fishplates/rail joiners x 12 (Hor) ..... £2  
R814 Left hand diamond crossing (Hor) ..... £12  
R8077 Left hand Express point (Hor) ..... £16



R8072 Left Hand Standard Point (Hor) ..... £9  
36-874 Left-Hand curved point Radii 438mm Arcs 22.5 & 33.75 (same as Hornby R8074) (Bac) (list £13.70) ..... BARGAIN ..... £11  
36-877 Left-Hand Point (same as Hornby R8077) (Bac) ..... £1.52  
36-872 Left hand standard point (Bac) ..... £7.85  
R603 Long Straight (Hor) ..... £3.25



### BARGAIN

36-603 Box of 10 Long straight track nickel silver (same as R603) (Bac) (list £32.50) ..... BARGAIN ..... £24.80  
36-603 Single (Bac) ..... £2.76  
R8206 Power track for analogue (non DCC) use only (Hor) ..... £4.50  
R8075 Right hand curved point (Hor) ..... £14.40  
36-875 Right Hand Curved Point Radii 438mm Arcs 22.5 & 33.75 (same as Hornby R8075) (Bac) ..... £11.65  
R815 Right hand diamond crossing (Hor) ..... £10  
R8073 Right Hand Standard Point (Hor) ..... £9  
36-878 Right-Hand Point (same as Hornby R8078) (Bac) ..... £1.65  
36-873 Right-Hand Standard Point (Bac) ..... £7.52  
R610 Short Straight (Hor) ..... £1.50



R621 Pack of 24 Single 970mm length of flexible track (Hor) ..... £66  
R621 Single (Hor) ..... £3  
R600 Standard Straight (Hor) ..... £1.40  
R600 Box of 24 (Hor) ..... £33  
ST-100 Starter Track Set (Pac) ..... £52  
36-801 Straight track 335mm (same as Hornby R801) (Bac) ..... £1.70  
ST-200 Track Fixing Nails (Pac) ..... £2  
36-876 Y Point Radii 852mm Arcs 11.25 (same as Hornby R8076) (Bac) ..... £8.33



ST1471 12 Single Track Strips Of OO/HO Gauge Track Bed - 1.75" x 24" (Woo) ..... £7.80  
ST1474 24" Of OO/HO Gauge Track Underlay In A Continuous Roll - 50mm x 1.75 x 24" (Woo) ..... £7.40

### Track underlay



GM200 5 metres of realistic grey ballasted OO gauge underlay (Gau) of OO/HO Gauge Trackbed - 12" x 24" (Woo) ..... £19  
ST1477 2 sheets of OO/HO Gauge Trackbed - 12" x 24" (Woo) ..... £22

### Railway publications

36-2014 Bachmann Branchline 2014 25th Anniversary Catalogue (Bac) ..... £6.38

### Buses

35307EFE 36' BET 6 bay bus "East Kent" (EFE) ..... £24  
35212 36' BET 6 Bay Single Lamp "Sheffield Transport" (EFE) ..... £24  
35705 36' BET RC Class coach "London Country NBC" (EFE) ..... £25



35308EFE 6 Bay Leyland Leopard Southdown (EFE) **NEW** £32.95



34303 AEC 2RT2 bus "London Transport" in red (EFE) ..... £24  
B010 AEC Reliance/Duple Dominant II coach "London Coaches" (circa 1978 - 1993) (Bas) (list £16.99) ..... BARGAIN ..... £10  
30715EFE AEC Hovonov - "North Western" (EFE) ..... £27  
34207 AEC RLH Weymann d/beck bus "Midland General" (EFE) ..... £24



27704EFE AEC STL Bus (No Roof Box) Green Country "London Transport" (EFE) **NEW** ..... £26.50  
27702 AEC STL d/beck bus (no roof box) "London Transport" (EFE) ..... £18  
22716 Alexander Y Type "West Coast Motors" (EFE) ..... £20  
38703 Alexander Y Type bus "Eastern Scottish" (EFE) ..... £26  
760WB09 Bedford OWB Bournemouth Corporation (Oxt) ..... £11  
32308EFE Bristol HELH Coach - "West Yorkshire" (EFE) ..... £26



38117EFE Bristol VRT "Midland General" (EFE) **NEW** ..... £26.50  
38115 Bristol VRT - "Western S.M.P." (EFE) ..... £26



38116EFE Bristol VRT 2 "Crosville N.B.C." (EFE) **NEW** ..... £26.50  
OM46099 Caetano CT650 Aircorch, Cork Express (Cor) **NEW** ..... £30



OM4609A Caetano CT650 Aircorch, Dublin Express (Cor) **NEW** ..... £30



OM46410A Caetano CT650, Lucketts Travel, Isle of Wight Festival (Cor) **NEW** ..... £30



76COM005 Commer Commando Australian National Airways (Oxt) **NEW** ..... £12



76COM003 Commer Commando BEA (Oxt) ..... £12



OM41609B Crossley DD42 Stockport, 16 Stockport Stepping Hill (Cor) ..... £30  
OM41609A Crossley DD42 Stockport, 47 Stockport Crossley Rd (Cor) £30  
31306EFE Daimler B20 "London Driver Training Bus" (EFE) ..... £28.50  
EDB-14 Daimler Birmingham Standard Bus No.12 to Harborne & Barkley Green "Schweppes & Black & White" (For) ..... £34  
18015EFE Daimler Fleetline - "Nottingham City transport" (EFE) ..... £27



18013EFE Daimler MCW Fleetline "Birmingham City Transport" (EFE) **NEW** ..... £26.50



29012EFE GM standard Fleetline "Grey Green" (EFE) **NEW** ..... £26.50  
11904 Harrington Cavalier coach "Southend Transport" (EFE) ..... £18  
ANT-25 Leyland Altairan (NBC) "Yorkshire Rider Leeds" (Bn) (list £33.99) ..... BARGAIN ..... £8  
B008 Leyland Leopard/Duple Dominant 2 express coach "East Kent road car" (circa 1978 - 1993) (Bas) (list £16.99) ..... BARGAIN ..... £10



17510EFE Leyland National MKII Long "Kelvin Cumbernauld" (EFE) **NEW** ..... £26.50  
14902 Leyland National MKII Short - "Tibble NBC" (EFE) ..... £26



17510EFE Leyland National MKII Short - "Tibble NBC" (EFE) ..... £26

# Want it DCC fitted?

[www.ehattons.com/dccfitting](http://www.ehattons.com/dccfitting)

for more details

- 29627 Leyland Olympian 'Devon General' (LFL) ..... £23
- 76LRT004 Leyland Royal Tiger 'Mairstone & District' (Oxf) ..... £12
- 76LRT005 Leyland Royal Tiger Cumberland (Oxf) ..... £12
- 20657 'Piscator Painter Dart 'West Coast Motors' (EFE) ..... £19
- OM46302 RM23 (VL129) - Route K2 Kingston Shoppers Express NEW TOOL (First Issue) (Cor) (list £30.99) ..... BARGAIN £16
- 31708 RMC Routemaster Coach - Green Line (EFE) ..... £26
- 31902 RML Routemaster double deck bus 'Arriva' (Last day of service) (EFE) ..... £19
- 76RZ001 Scania Irizar PB Einmann (Oxf) ..... £15
- NA601 Scania Metropolitan double deck bus 'West Yorkshire PTE' (Bn) (list £31) ..... BARGAIN £8
- 36709 SLF Dart Series 2 One Door - 'First Southampton' (EFE) ..... £26

**NEW**



- 28823EFE Titan London Transport Golden Jubilee Bus (EFE) NEW ..... £29
- 76WFA001 Weymann Fanfare 1950s coach 'South Wales' (Oxf) ..... £13



- 76WFL001 Weymann Fanfare Leyland Southdown (Oxf) ..... £12
- OM46502A Wright Eclipse Gemini 2 'Brighton and Hove, 7 Brighton Marina' NEW TOOLING (Cor) ..... £32
- OM46502B Wright Eclipse Gemini 2 'Brighton and Hove, 7 Hove George Street' NEW TOOLING (Cor) ..... £32
- OM46501B Wright Eclipse Gemini 2 'Metro Line, 52 Victoria' NEW TOOLING (Cor) ..... £32
- OM46501A Wright Eclipse Gemini 2 'Metro Line, 52 Willesden Bus Garage' NEW TOOLING (Cor) ..... £32
- OM46505B Wright Eclipse Gemini2, Go Ahead Northern Angel of the North, 21 Durham (Cor) ..... £32
- OM46505A Wright Eclipse Gemini2, Go Ahead Northern Angel of the North, 21 Newcastle (Cor) ..... £32
- OM41288 Wright Gemini, Finlands, 41 Pizzardi & University dual destination (Oxf) ..... £28

### Cars

- 44-533 Blister of 8 cars to fit IPA car transporter wagon, 2 needed for each 38-250 (Bas) ..... £10.16
- 76FP003 Ford Popular 103E in black (Oxf) ..... £3

**NEW**



- 76FTYP004 Jaguar F Type Stratus Grey (Oxf) NEW ..... £4.75

**NEW**



- 76XJ003 Jaguar XJ Saloon Carmelian Red (Oxf) NEW ..... £4.75

**NEW**



- 76J1007 Jensen Interceptor Old English White/Tan (Oxf) NEW ..... £4.75
- 76AN1109008 Land Rover Series 1 109 Open Ferguson Tractors (Oxf) ..... £4.95

**NEW**



- 76FB005 Vauxhall FB Victor Alaska White/Primrose (Oxf) NEW ..... £4.75

### Commercial vehicles

- L14 2 forklift trucks - 1 red, 1 yellow (Bas) ..... £7
- 13601 AEC Figo 3 axle elliptical tanker Express Dairy (EFE) ..... £24
- DA25 Albion CKS Flatbed & crates - BRS Airedale (Bas) (list £9.99) ..... BARGAIN £7
- 76ATK002 Alkanson Borderer 40R Fridge Trailer 'Gibbs of Fraserburgh' (Oxf) ..... £14
- 76BD012 Bedford OX Queen Mary Trailer Wynns (Oxf) ..... £13

**NEW**



- 76QLD003 Bedford QLD Bertam Mills (Oxf) NEW ..... £11
- 76BMC003 BMC Car Transporter & Two Minis BMC Competitors Dapit (Oxf) £16 D-86 Bristol HA artic Flatbed - 'PHILBLACK' (BRS) (Bas) (list £5.99) ..... BARGAIN £4
- CR2003- Car Set 2 Morris Minor, Ford Anglia & Vauxhall Viva (alternate colours to CR1003). Non limited (Cor) (list £9.99) ..... BARGAIN £6
- CR003- Car Set 3 Ford Anglia 106E, Morris Minor 1000 & Vauxhall Viva HA. Non limited (Cor) (list £9.99) ..... BARGAIN £6
- 76TCAB006CC Coca Cola Coke Zero (Oxf) ..... £18
- DG226000 Coles Argus 6 Ton Crane - Yellow (Cor) (list £18.99) BARGAIN £10
- DA76 Commer Bulk Tipper 'National Coal Board' (circa 1954-1964) - model does not actually fit (Bas) ..... £7.99
- DA03 D-Series flatbed kerbside load 'Marshalls' (Bas) (list £9.99) ..... BARGAIN £4
- 76DAF02FR DAF 105 (SS) Fridge 'Kinkobanerie' Ltd Ed of 2000 (Oxf) ..... £15
- DA20 Dodge Kew artic & empty pallet load 'BRS - Guilloford' (Bas) (list £9.99) ..... BARGAIN £7
- 76LV001 FRF LV Flatbed in red (Oxf) ..... £13
- 76FT006 Ford Transit high top LWB van in plain white (Oxf) ..... £4



- 76FT016 Ford Transit SWB Low Roof AA (Oxf) ..... £4.75
- 76FT005 Ford Transit van high top LWB 'Network Rail' (Oxf) ..... £4
- 76FCR001 Fowler B6 Crane 'Merlons Duke of York (Dorset)' (Oxf) ..... £13
- 76FOW003 Fowler B6 Locomotive WY1 France (Oxf) ..... £13
- 76FOW002 Fowler B6 Road Locomotive Pickdicks Titan (Oxf) ..... £13
- EM76509 - Jan-Tug & Articulated trailer 'British Railways' Fleet No. YE 3062 N (Poc) (list £5.99) ..... BARGAIN £5
- DA83 Karrier Bantam Artic Dropside 'British Railways' (circa 1953-1963) (Bas) ..... £9.99
- D-89 Karrier Bantam Dropside 'RAF' Nalo green (Bas) (list £9.99) BARGAIN £3



- 76KRS003 Konecranes 'Eddie Stobart'. Fully posable (Oxf) ..... £20
- 76KRS001 Konecranes Reach Stackler (for freight containers) in Konecranes blue. Fully posable (Oxf) ..... £17

**NEW**



- 76LAN2012 Land Rover Series II Station Wagon Hong Kong Police (Oxf) NEW ..... £4.95
- DA56 Leyland Beaver flatbed & trailer 'British Railways' (Bas) ..... £12
- DA28 Leyland FG Van - Mothers Pride bread (Bas) (list £6.99) BARGAIN £4.50
- DA09 - Leyland Messitt Artic Van - BRS - Islandink 'New Casting' (Bas) (list £6.99) ..... BARGAIN £4
- 76MAN01FR MAN TGX XLX refrigerated trailer 'Turners of Soham' (Oxf) ..... £18
- 76WMO03 Mercedes loc Cream Coronatos (Oxf) ..... £25.25
- 76SC110002 Scania 110 Flatbed Trailer 'BRS' (Oxf) ..... £13
- 76S94001 Scania 84 6 Wheel Curtainside TMT (Oxf) ..... £12
- 76SCL001 Scania Crane Lorry 'D.P. Macleod' (Oxf) ..... £13
- 76SHL01CT Scania Highline Combitrailer & Container 'Eddie Stobart' (Oxf) ..... £20
- 76RZ004 Scania Irizar PB 'Eddie Stobart' (Oxf) ..... £16

**NEW**



- 76IRZ002 Scania Irizar PB 'Wilfreda Beehive' (Oxf) NEW ..... £17
- 76ITCA002 Scania T Topline Tipper 'Tinnelly' (Oxf) ..... £20



- 76DBU001 Scania Topline Drawbar Unit 'Eddie Stobart' (Oxf) ..... £22

**NEW**



- 76STR001 Showmans Trailer Bertram Mills (Oxf) NEW ..... £9.95
- TS-X2 - Thornycroft sturdy artic flatbed in blue (Bas) (list £9) BARGAIN ..... £2
- 76VOL01WF Volvo FH Walking Floor 'Alex Anderson' (Oxf) ..... £18

### Military ground vehicles

- 76FP002 40mm Bolson Anti-Aircraft Gun as used the British Army/Navy 1937- late 1980s in olive drab (Oxf) ..... £4.95
- 76BD011 Bedford OX Queen Mary Trailer RAF 108 Repair Salvage Unit Tunisia 1943 (Oxf) ..... £12
- 76BD004 Bedford OY 3 Ton GS '15th Scottish Infantry' (Oxf) ..... £9
- 76COM001 Commer Commodo 1 1/2 decker bus RAF blue (Oxf) ..... £12
- 76COM002 Commer Commodo BOAC (Oxf) ..... £12
- 76SP004 Pioneer Artillery Tractor 'Royal Artillery 1st Army' (Oxf) ..... £9

### Public Service vehicles

- C104 - Austin A40 Fatras in 'Birmingham Puker' (Bas) (list £2) BARGAIN ..... £1.30
- 76F106001 Dennis F106 Side Pump 'London Fire Brigade' (Oxf) ..... £10
- 76FN001 Dennis RS Fire Engine London FB (London's Burning) (Oxf) £10

**NEW**



- 76MA003 Mercedes Explosives Ordnance Disposal Metropolitan Police (Oxf) NEW ..... £7.95

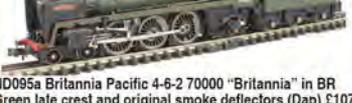
### Boats & Ships - civil

**NEW**



- 44-557 Fishing boat (Bac) NEW ..... £46.71

### N Gauge Steam locos



- ND095a Britannia Pacific 4-6-2 70000 'Britannia' in BR Green late crest and original smoke deflectors (Dap) £107



- 372-626 Class 2MT Ivatt 2-6-0 46440 in BR lined black early emblem (Gra) ..... £93.46
- 372-625 Class 2MT Ivatt 2-6-0 46521 in BR lined green late crest (Gra) ..... £93.46
- 372-627 Class 2MT Ivatt 2-6-0 6404 in LMS black (Gra) ..... £93.46
- 28-015-002 Class 2MT Ivatt 2-6-2 in BR black early emblem (Dap) ..... £53



- 25-009-005 Class 3800 2-8-0 3819 in GWR green GWR lettering (Dap) ..... £105



- 25-009-007 Class 3800 2-8-0 3822 in BR black late crest (Dap) ..... £105



- 25-009-006 Class 3800 2-8-0 3846 in BR black early emblem (Dap) ..... £105
- 25-014-001 Class 45xx 2-6-2 4518 in GWR green (Dap) ..... £53



- 25-014-004 Class 45xx 2-6-2 4566 in GWR green - weathered (Dap) ..... £57
- 25-010-002 Class 40xx Hall steam loco 4914 'Cranmore Hall' in BR lined green late crest (Dap) ..... £95



- 372-751 Class 4MT Fairburn 2-6-4 tank 42096 in BR black early emblem (Gra) ..... £89.21



- 25-007-009 Class 57xx Pannier #5724 GWR Green 'GWR' Lettering (Dap) ..... £61
- 25-007-008 Class 57xx Pannier #5764 GWR green 'Great Western' lettering (Dap) ..... £61
- 25-007-011 Class 57xx Pannier 0-6-0 6746 GWR green shuntburn emblem (Dap) ..... £61
- 25-007-010 Class 57xx Pannier 0-6-0 6746 in GWR green shuntburn emblem - DCC fitted (Dap) ..... £88
- 25-007-010 Class 57xx Pannier 0-6-0 6700 GWR green shuntburn emblem (Dap) ..... £61



- 25-007-013 Class 57xx Pannier 0-6-0 9744 in British Railways green (Dap) ..... £61
- 25-007-005 Class 57xx Pannier tank steam loco #L97 London Transport maroon (Dap) ..... £61
- 372-481 Class 6P Jubilee 4-6-0 5572 'Eira' in BR lined green late crest - weathered (Gra) ..... £118.96



- 25-007-013 Class 57xx Pannier 0-6-0 9744 in British Railways green (Dap) ..... £61
- 25-007-005 Class 57xx Pannier tank steam loco #L97 London Transport maroon (Dap) ..... £61
- 372-481 Class 6P Jubilee 4-6-0 5572 'Eira' in BR lined green late crest - weathered (Gra) ..... £118.96



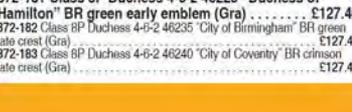
- 372-480 Class 6P Jubilee 4-6-0 5664 'Nelson' in LMS Crimson (Gra) ..... £110.46
- 25-001-001 Class 7800 Manor 4-6-0 7801 'Anthony Manor' in GWR green shuntburn emblem (Dap) ..... £100
- 25-001-0010 Class 7800 Manor 4-6-0 7801 'Anthony Manor' in GWR green shuntburn emblem. DCC Fitted (Dap) ..... £119



- 25-001-000 Class 7800 Manor 4-6-0 7810 'Draycott Manor' in BR lined green late crest (Dap) ..... £100



- 372-181 Class 8P Duchess 4-6-2 46229 'Duchess of Hamilton' BR green early emblem (Gra) ..... £127.46
- 372-182 Class 8P Duchess 4-6-2 46235 'City of Birmingham' BR green late crest (Gra) ..... £127.46
- 372-183 Class 8P Duchess 4-6-2 46240 'City of Coventry' BR crimson late crest (Gra) ..... £127.46



- 25-013-005 Class 9F 2-10-0 92006 in BR black early emblem & BR1G tender - weathered (Dap) ..... £94
- 25-013-004 Class 9F 2-10-0 92052 BR black early emblem & BR1C tender (Dap) ..... £87
- 25-013-002D Class 9F 2-10-0 92226 in BR black late crest & BR1G tender. DCC fitted (Dap) ..... £106



- 372-802 Class A1 4-6-2 60147 'North Eastern' in BR green early emblem (Gra) (list £144.40) BARGAIN ..... £111
- 372-800A Class A1 4-6-2 60165 'Tornado' BR lined Brunswick green (Gra) £193.75



- ND129G Class A3 steam loco 2744 'Grand Parade' in LNER apple green (Dap) ..... £99



- 25-008-003 Class A4 steam loco 60004 'William Whitelaw' in British Railways Garter blue (Dap) ..... £105
- 25-008-001 Class A4 steam loco 60012 'Commonwealth of Australia' in BR green early crest (Dap) ..... £105
- ND079F Class B17 4-6-0 2863 'Everton' LNER Apple green (Dap) ..... £93



- 372-402 Class J39 0-6-0 64791 in BR black late crest & stepped tender (Gra) ..... £80.71
- 372-403 Class J39 0-6-0 64841 in BR black late crest & stepped tender - weathered (Gra) ..... £84.96
- 372-185 Princess Coronation Class 4-6-2 46236 'City of Bradford' in BR black early emblem (Gra) ..... £127.46



- 372-727 Standard Class 5MT 4-6-0 73082 'Camelot' in BR lined black early emblem & BR1B tender (Gra) (list £124.95) ..... BARGAIN ..... £84



- 20-012-007 Class 22 diesel loco BR blue & 6 milk tankers - weathered (Dap) £142



- 20-010-003 Class 67 diesel loco in Arriva Trains Wales blue 2x Mk3 coaches and Mk3 DVT to match (Dap) ..... £131



- 371-032 Class 20 diesel 20063 BR blue indicator discs - weathered (Gra) £93.46



- 20-012-000A Class 22 diesel loco 6326 in BR blue full yellow ends (Dap) (list £136.89) ..... BARGAIN ..... £99
- 20-012-001A Class 22 diesel loco D6318 in BR blue full yellow ends (Dap) (list £136.89) ..... BARGAIN ..... £99
- 20-012-001D Class 22 diesel loco D6318 BR blue full yellow ends. DCC fitted (Dap) ..... £130
- 372-978 Class 24 diesel 24081 BR blue yellow ends (Gra) ..... £84.96



- 371-086 Class 25/1 diesel D5222 in BR green, weathered (Gra) ..... £93.46
- 371-088 Class 25/2 diesel 25231 in BR blue, weathered (Gra) ..... £93.46
- 371-087 Class 25/2 diesel 25245 in BR blue (Gra) ..... £84.96



- ND145G Class 26 diesel 26040 in BR blue discs, snowploughs & stag emblem (Dap) ..... £85
- ND205DD Class 27 diesel 27032 BR blue plated gangway doors. DCC Fitted (Dap) ..... £103
- 20-018-001D Class 35 Hymek D7061 BR blue full yellow ends. DCC Fitted (Dap) ..... £99
- 371-166 Class 37/4 diesel 37406 'The Saltire Society' in Railfreight Distribution (Gra) ..... £89.21



- 371-165 Class 37/4 diesel 37407 'Loch Long' in BR blue large logo (Gra) ..... £89.21

Visit

[www.ehattons.com/new](http://www.ehattons.com/new)

for new releases



371-168 Class 375 diesel 37506 Railfreight Red Stripe (Gra) ..... £89.21  
2D-003-011 Class 52 diesel loco D1009 'Western Invader' in BR Blue full yellow ends - weathered (Dap) ..... £94



2D-003-002 Class 52 diesel loco D1038 'Western Sovereign' in BR green small yellow panel (Dap) ... £91  
2D-003-009 Class 52 diesel loco D1045 'Western Viscount' in BR maroon full yellow ends - weathered (Dap) ..... £94  
2D-003-006 Class 52 diesel loco D1065 'Western Consort' in BR maroon small yellow panels (Dap) ..... £94



371-286 Class 55 diesel 'Deltic' D9002 'The King's Own Yorkshire Light Infantry' in BR green half yellow ends (Gra) ..... £93.46  
371-285 Class 55 diesel 'Deltic' D9007 'Pinza' in BR green (Gra) ..... £93.46



2D-004-006 Class 56 diesel 56070 in BR blue (Doncaster built) (Dap) ..... £101  
2D-004-007 Class 56 diesel 56090 BR blue large loco (Doncaster built) (Dap) ..... £101



371-657 Class 57 diesel 57309 'Pride of Crewe' in DRS Compass (Gra) ..... £93.46  
371-656 Class 57 diesel 57312 in Network Rail yellow (Gra) ..... £93.46



371-355 Class 60 diesel 60011 in DB Schenker (Gra) £93.46  
371-384 Class 66 diesel 66209 in EWS - weathered (Gra) ..... £99.41  
371-385 Class 66 diesel 66546 in Freightliner (Gra) ..... £89.21  
2D-007-000 Class 66 diesel 66789 in MS&G/GERF 'Sorenoro' ship (Dap) ..... £70  
ND1011 Class 67 diesel 67224 EWS (Dap) ..... £84

**Electric locos**



ND147 Class 86 Twin pack Network Rail 86901 & 86902 (1x powered loco 1x dummy loco) (Dap) (list £124.95) BARGAIN ..... £69  
371-751 Class 87 electric 87019 'Sir Winston Churchill' Virgin trains (Gra) (list £100) ..... BARGAIN ..... £85

**HSTs**

ND122G Class 43 HST Book Set in Cross Country Trains (Dap) ... £134  
ND122L Class 43 HST Book Set in East Midlands Trains (Dap) ... £134  
ND122e Class 43 HST Book Set in Grand Central Livery (new version one dummy power car) (Dap) ..... £140



ND122J Class 43 HST Book Set in Virgin Trains 43094 & 43104 (Dap) ..... £135

**DMUs**

371-503 Class 101 2-car DMU BR blue & grey 'Express Parcels' (motor in each car) (Gra) (list £119.95) ..... BARGAIN ..... £98  
371-510 Class 101 3-car DMU in BR blue (Gra) ..... £118.96  
ND209B Class 122 Gloucester RCW 'Bubblecar' single car DMU 55000 (122100) in Regional Railways (Dap) ..... £95  
ND112B Class 156 2-car DMU 156416 Regional Railways (Dap) ..... £94



371-740 Class 251 Blue Pullman 6-car Midland set in Nanking blue (Gra) ..... £229.46  
371-741\* Class 251 Blue Pullman 6-car Midland set in Nanking blue full yellow ends, (Gra) (list £269.95) ..... BARGAIN ..... £171

**EMUs**



371-702 Class 350/1 Desiro 4-car EMU 350 101 in London Midland (Gra) (list £159.20) ..... £122  
371-700\* Class 350/1 Desiro 4-car EMU 350 111 'Apollo' unbranded Silverlink (Gra) ..... £122  
371-701 Class 350/2 Desiro 4-car EMU 350 298 in London Midland (Gra) £122



372-677 Class 411 4 CEP 4-car EMU in BR blue & grey (Gra) ..... £137.02  
372-676 Class 411 4 CEP 4-car EMU in BR green (Southern Region) yellow warning panels (Gra) ..... £137.02

**Train sets - analogue**



370-180 Seaside Excursion Class 4F 44044 in BR black late crest and BR Mk1 BCK & SO coaches in maroon (Gra) £110.46  
370-140 The Steel Worker Class 08 D3406 in BR green & 3 x 24-Ton open hopper wagons (Gra) ..... £93.46

**Train sets - DCC**



370-070 Cornish Riviera Class 42 D829 in BR green and BR Mk1 BCK & SO coaches in chocolate & cream (Gra) £157.21



370-080 Countryside Coal Digital Set Class 3F Jinty No.23 in SDJR blue, Midland brake van, 7-plank wagon & 5-plank wagon (Gra) ..... £140.21

**Coaches**



374-476A BR Mk3 SLEP Sleeper Car ScotRail (Gra) £15.26  
374-460 Bullied 631 Composite Corridor BR (SR) green (Gra) ..... £20.83  
374-430 Bullied 631 Second Brake Corridor Open BR (SR) green (Gra) ..... £20.83  
374-440 Bullied 631 Second Corridor BR (SR) green (Gra) ..... £20.83  
2P-000-001 Colliat composite coach W7016 in BR maroon/crimson (Dap) ..... £17  
374-887 LMS 50ft Full Brake BR Crimson - weathered (Gra) ..... £18.66



2P-012-002 Maunsell Coach 1st Class Lined Green (Dap) NEW ..... £20



2P-012-001 Maunsell Coach 1st Class Lined Green (Dap) NEW ..... £20  
2P-012-100 Maunsell Coach 3rd Class Lined Green (Dap) NEW ..... £20  
2P-012-101 Maunsell Coach 3rd Class Lined Green (Dap) NEW ..... £20



2P-012-052 Maunsell Coach Brake 3rd Class Lined Green (Dap) NEW ..... £20  
2P-012-201 Maunsell Coach Brake Van Lined Green (Dap) NEW ..... £13  
2P-012-151 Maunsell Coach Composite Lined Green (Dap) NEW ..... £20  
2P-012-152 Maunsell Coach Composite Lined Green (Dap) NEW ..... £20



2P-012-251 Maunsell Coach Set 469 Maunsell Lined Green (Dap) NEW ..... £72  
374-036A Mk1 BG Full Brake Maroon - weathered (Gra) ..... £21.68  
374-160 Mk1 FK first corridor in crimson & cream (Gra) ..... £20.83  
374-120 Mk1 RU restaurant car in crimson & cream (Gra) ..... £20.83  
374-010C Mk1 SO Second Open Crimson & Cream (Gra) ..... £20.83  
NC226A Mk3 2nd class coach - East Midlands Trains (Dap) ..... £17  
CM002 Mk3 book set & coaches in blue/grey buffers (Dap) ..... £71  
374-835B Stanier Third Corridor LMS Crimson Lake (Gra) ..... £20.83  
374-850B Stanier Vestibule Composite LMS Crimson Lake (Gra) ..... £20.83

**Wagons**



377-986- 12 Ton Eastern Ventilated Fruit Van BR Bauxite (Late) (Gra) (list £11.95) ..... BARGAIN ..... £5.50  
377-980- 12 Ton Eastern Ventilated Van Corrugated Ends BR Early Bauxite (Gra) (list £11.95) ..... BARGAIN ..... £5.50  
377-976 12 Ton Eastern Ventilated Van Planked Ends BR Early Bauxite (Gra) (list £9.50) ..... BARGAIN ..... £5.50  
377-952- 13 Ton High Sided Steel Open Wagon (Smooth Sides) BR Bauxite (Early) (Gra) (list £8.50) ..... BARGAIN ..... £5



373-901C 46 Tonne ghw HAA Hopper EWS - weathered (Gra) £11.01  
373-509 46 Tonne ghw HAA Hopper Wagon BR Bauxite - Weathered (Gra) ..... £9.78  
373-979A 46 tonne POA box mineral wagon plain ends 'Tiger' grey (Gra) (list £11.40) ..... BARGAIN ..... £7  
374-787 BR 4 Wheel CCT Van BR Blue (Gra) ..... £16.96



374-785 BR 4 Wheel CCT Van BR Lined Maroon (Gra) £16.96  
373-237 Bulk grain bogie hopper wagon 'Traffic Services Limited' (Gra) ..... £36.96  
373-235 Bulk grain bogie hopper wagon 'Traffic Services' - weathered (Gra) ..... £36.51



NR-P412 Coiman's Mustard Works No. 18, 7-plank coal wagon (Pec) NEW ..... £8  
377-768 Covered Hopper Wagon 'Scotts Ash' Light Grey (Gra) ..... £15.26  
377-767 Covered Hopper Wagon British Industrial Sand Bauxite & Black (Gra) ..... £15.26



2F-045-001 IOA 'Merlin' # 705992 002-3 Network Rail Ballast Wagon (Dap) NEW ..... £18  
2F-045-002 IOA 'Merlin' # 705992 014-8 Network Rail Ballast Wagon (Dap) NEW ..... £18  
2F-045-003 IOA 'Merlin' # 705992 021-3 Network Rail Ballast Wagon (Dap) NEW ..... £18  
2F-045-004 IOA 'Merlin' # 705992 026-2 Network Rail Ballast Wagon (Dap) NEW ..... £18  
377-701 JJA Mk2 Auto-Ballast Non-Generator Unit (Flat Top Profile) Railtrack (Gra) ..... £33.96



2F-010-004 JNA 'Falcon' wagon in Network Rail yellow (Dap) NEW ..... £17  
2F-010-001 JNA 'Falcon' wagon in Network Rail yellow (Dap) NEW ..... £17  
2F-010-002 JNA 'Falcon' wagon in Network Rail yellow (Dap) NEW ..... £17  
2F-010-003 JNA 'Falcon' wagon in Network Rail yellow (Dap) NEW ..... £17  
373-077E PCA taper bulk powder wagon in grey (Gra) (list £9.95) BARGAIN ..... £7  
377-835 Triple pack 12 Ton BR plywood fruit van BR bauxite early - weathered (Gra) (list £35.95) ..... BARGAIN ..... £29  
377-965 Triple pack 13 Ton high sided steel open wagons BR bauxite - weathered (Gra) ..... £28.01  
373-666 Triple pack 14 Ton tank wagons 'Esso' - weathered (Gra) £30.56



377-935\* - Triple pack PCA metalair bulk powder wagon grey - weathered (Gra) (list £36.95) ..... BARGAIN ..... £20  
373-785 Triple pack T1A 45 Tonne tank wagon - weathered (Gra) ..... £30.56

**DCC decoders**

DC23 6-pin 2-function 1A (2A peak) decoder (suitable for N gauge) (Gau) ..... £24



36-558A 6-pin 2-function decoder (suitable for OO & N gauge locos and use on analogue track) (Bac) ..... £15.26  
DC22 8-pin 2-function 1A (2A peak) very small decoder (Gau) ..... £25

**Electronic components**

DC40A Reverse loop control module (Gau) ..... £32

**Lighting equipment**

NC40a Light Bar coach lighting unit for modern coaches/multiple units (Class 150/161) 'Plug&Play' (Dap) ..... £8  
NC40b Light Bar coach lighting unit for older coaches (Colliat coaches 'Plug&Play') (Dap) ..... £8

**Spares**

SL-311 Insulated Rail Joiners/Fishplates for N & 009 gauge (12 per pack) (Pec) ..... £10  
2A-000-011 Magnetic couplings - short arm - 5 pairs (Dap) ..... £18  
2A-000-008 Magnetic NEM couplers - medium arm (ex-NSPAREB) - 5 pairs (Dap) ..... £17  
2A-000-014 Pockets for NEM magnetic couplings x 20 (Dap) ..... £12

SL-310 Rail Joiners/Fishplates for N & 009 gauge (24 per pack) (Pec) ..... £1.50  
TT4560 Tidy Track Roto Wheel Cleaner N Gauge (Woo) ..... £18.25

**Wheel sets**

379-412 Axles coach wheels - Pack of 10 (Gra) ..... £3.74

**Man-made scenic structure - railway-related**



379-200 4 x Platform sections (red brick) (Gra) ..... £9  
SL-340 Buffer Stop Rail Built Type (Pec) ..... £1.40  
GM57 Buffer stop light (Gau) ..... £8.95

**Signals**

2L-001-001 Signal - Motorised, GWR home lower quadrant (ex-NSIGN1) (Dap) ..... £22

**Buildings - general**

42-077 Georgian Townhouse (61 x 51 x 58mm) (Gra) ..... £21.21  
N8-LB5 Photocopyers Hut/Sleeper Hut (RTP) (Anc) NEW ..... £3.50



42-104 Red Brick Hay Barn (Gra) (list £33.50) BARGAIN ..... £18



PN103 Red Brick Terraced Houses (Met) ..... £6.50

**Bridges, Tunnels & Walls**

PN145 Brick Retaining Walls N Scale (Met) ..... £8  
42-127 Covered footbridge (114 x 44 x 49mm) (Gra) ..... £23.76  
42-121 Great Central Single Track Blue Brick Bridge (120 x 84 x 56mm) (Gra) ..... £21.21  
PN147 Railway Bridge (Stone) (Met) ..... £10.50  
PN144 Retaining Wall (Stone) (Met) ..... £8

**Track - Code 80 Setrack**

ST-8 2 setrack buffer stops (Pec) ..... £1.25



ST-19 N Setrack No. 4 radius double curve (Pec) ..... £2  
ST-12 No. 1 radius double curve (Pec) ..... £1.20  
ST-3 No. 1 radius single curve (Pec) ..... £1  
ST-2 Short straight (Pec) ..... £0.80  
ST-1 Standard straight track (Pec) ..... £1



ST-300 Starter Track Set (Pec) ..... £42  
379-450 Straight Track 174mm (Gra) ..... £1  
379-450 Pack of 12 (Gra) ..... £10

**Track - Code 80 Streamline**

SL-302 1 yard (91.5cm) length of Concrete Sleeper Nickel Silver Flexible track (Pec) ..... £2.70  
SL-302 Pack of 25 (Pec) ..... £53



SL-300 Pack of 25 1 yard (91.5cm) length of Wooden-Sleeper Nickel Silver Flexible track (Pec) ..... £52  
SL-300 Single (Pec) ..... £2.60  
SL-E387 Left hand curved point electrofrog (Pec) ..... £9  
SL-E387 Right hand curved point insulfrog (Pec) ..... £9



SL-396 Left hand medium point insulfrog (Pec) ..... £8  
SL-388 Right hand large point insulfrog (Pec) ..... £9  
SL-E395 Right hand medium point electrofrog (Pec) ..... £8

**Track - Code 55 Finescale Streamline**

SL-300F Pack of 30 1 yard (91.5cm) length of Finescale Nickel Silver flexible track (Pec) ..... £68  
SL-302F 1 Yard of Nickel Silver Flexible Track Concrete Sleepers (Pec) ..... £3  
SL-302F Pack of 30 (Pec) ..... £78



SL-E399F 3-way finescale turnout (Pec) ..... £26  
SL-E386F Finescale curved double radius right hand point electrofrog (Pec) ..... £9.50  
SL-E390F Finescale double slip electrofrog (Pec) ..... £31  
SL-390F Finescale double slip insulfrog (finescale only) (Pec) ..... £31  
SL-E396F Finescale left hand medium point electrofrog (Pec) ..... £8.50  
SL-E388F Finescale right hand large point electrofrog (Pec) ..... £9.50



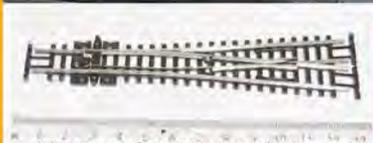
SL-E395F Finescale right hand medium point electrofrog (Pec) ..... £8.50  
SL-E383F Finescale scissor crossover electrofrog (Pec) ..... £52  
SL-E393F Finescale short crossing electrofrog (Pec) ..... £8  
SL-E380F Finescale single slip electrofrog (Pec) ..... £30



SL-E395F Finescale right hand medium point electrofrog (Pec) ..... £8.50  
SL-E383F Finescale scissor crossover electrofrog (Pec) ..... £52  
SL-E393F Finescale short crossing electrofrog (Pec) ..... £8  
SL-E380F Finescale single slip electrofrog (Pec) ..... £30



**The UK's largest model railway and diecast retailer**



SL-E397F Finescale Y Point, Electrofrog (Pec) ..... £10

**Track & Points**

379-460 Left Hand Standard Point (Gra) ..... £7  
379-461 Right Hand Standard Point (Gra) ..... £7

**Track underlay**

SL-348 Pair of Setrack & Streamline No.1 radius right hand point underlays (for use ST-5) (Pec) ..... £3.50  
SL-350 Roll of Underlay (5 Metres) (Pec) ..... £5

**Commercial vehicles**

NP010 Albion CX Boxvan - Chocolate & Cream (1950-1960) (Bas) ..... £4  
NP009 Albion CX Flatbed - Chocolate & Cream (1947-1957) (Bas) ..... £4



NOWB004 Bedford OWB Southern National (Oxf) NEW £5.95



N040 Foden DG & Drawbar Low Loader 'British Railways' (Circa 1949 - 1957) (Bas) ..... £7.99  
NFG003 Foden FG Dropside Pickfords (Oxd) ..... £4.95  
NFG004 Foden FG Tipper Blue Circle Cement (Oxd) ..... £4.95



NMN005 Mini Lime Green (Oxf) NEW ..... £3.95  
NSCA004 Scania Curtainside Knights of Old (Oxd) ..... £11

**Public Service vehicles**

NBED002 Bedford J1 Lomas Birmingham Ambulance (Oxd) ..... £4.75

**HO Gauge (1:87 Scale)**

**Electronic components**

DCC40 Reverse loop control module (Gau) ..... £32

**Spares**

GM50 OOHO gauge loco wheel cleaner (Gau) ..... £24

**Track underlay**

ST1477 6 sheets of OO,H0,O Gauge Trackbed - 12" x 24" (Woo) ..... £22

**1:72 Scale**

**Aircraft - civil**

72PM003 De Havilland Puss Moth G-ABBS Kings Flight (Oxd) ..... £21

**O Gauge (1:43 Scale)**

**Diesel locos**



4050 Class 40 1Co-Co1 in BR green small yellow panels (Hel) ..... £500

**Coaches**

4952 Mk1 BG full brake in BR blue and grey (Hel) ..... £250  
4950 Mk1 BG full brake in carmine and cream (Hel) ..... £250  
4993 Mk1 GUV full brake in BR blue Newspapers branding (Hel) ..... £250

**Wagons**

1050 100xx OAA in BR bauxite - early (Hel) NEW ..... £63



1051 100xx OAA in BR bauxite - late (Hel) NEW ..... £63



1054 100xx ZDA (ex-OAA) in Civil Engineers Dutch grey and yellow (Hel) NEW ..... £63  
BL99043 20 Ton Brake Van in LNER brown working rear light (Bas) (list £64.50) ..... BARGAIN ..... £36  
1040 200xx VAA sliding door van in BR bauxite - early (Hel) ..... £63  
1041 200xx VAA sliding door van in BR bauxite - late (Hel) ..... £63



1043 200xx VAA sliding door van in EWS (Hel) NEW £63



1001 33xx class B tank in Esso black (Hel) NEW ..... £63  
1007 33xx class B tank in Esso black without full branding (Hel) NEW ..... £63  
1003 33xx class B tank in Heggar black (Hel) NEW ..... £63  
1006 33xx class B tank in United Molasses (Hel) NEW ..... £63  
7F-031-002 6-wheel milk tanker in CWS red (Dap) ..... £62  
7F-031-001 6-wheel milk tanker in Express Dairies (Dap) ..... £62  
BL99072 7 Plank Wagon in NE grey (Bas) (list £37.50) BARGAIN ..... £25  
7F-100-003 SR 251 'Pillbox' Brake van S56108 BR grey right hand ducker (Dap) ..... £62

**Track - Code 124 Bullhead Streamline**



SL-700BH Box of 121 Yard O Gauge Flexible Nickel Silver Track (Bullhead Nickel Silver Rail) (Pec) ..... £60  
SL-700BH Single (Pec) ..... £8  
SL-780BH Double slip (8 degree angle), Electrofrog (Pec) ..... £75  
SL-787BH Left hand O gauge curved turnout (Pec) ..... £47



SL-E792BH Left hand point bullhead rail and electrofrog (Pec) ..... £38  
SL-E796BH Right hand O gauge curved turnout (Pec) ..... £47  
SL-E791BH Right hand point bullhead rail and electrofrog (Pec) ..... £38  
ST-725 Setrack Bullhead 2nd radius standard curve 410mm (16") radius 1020mm (40.5"), 16 make a circle (Pec) ..... £6.50

**Track & Points**

**Track underlay**

ST1477 6 sheets of OO,H0,O Gauge Trackbed - 12" x 24" (Woo) ..... £22

**Cars**



43APH003 Austin Princess Hearse Black and Silver (Oxf) NEW ..... £19  
43AP007 Austin Princess Late Black (Oxd) ..... £18  
43ASS002 Austin Seven RN Saloon Light Royal Blue (Oxd) ..... £13



43ASV002 Austin Seven RN Van AA (Oxf) ..... £13  
43ASV001 Austin Seven RN Van in Primrose (Oxd) ..... £12  
CC56901 Bentley Continental GT3 Launch Car NEW TOOL (Cor) ..... £25  
VA11702 Ford Sierra RS Cosworth - Moonstone Blue (Cor) ..... £15  
43HT002 Hestley Tickford in black (Oxd) ..... £18  
43HT001 Hestley Tickford in maroon Monte Carlo 1953 (Oxd) ..... £18  
43JAGV12001 Jaguar V12 in light blue (Oxd) ..... £18



VA14000 Vauxhall Carlton Mk2 2.0 CDX, Smoke Grey - NEW TOOL (Cor) ..... £19

**Cars - racing**

CC57101 Lotus Esprit S1 Chassis 0100G 'The First Production Esprit', Signal Red - NEW TOOL (Cor) ..... £21  
VA13593 Mini 1275GT 1979 Tricentennial British Saloon Car Championship, Overall and Class A Winner, Richard Longman (Cor) ..... £21

**Commercial vehicles**

43APH001 Austin Princess 125 Hearse in Black (Oxd) ..... £19  
43FDE011 Ford 400E Van Fordson Tractors (Oxd) ..... £11

**Public Service vehicles**

VA14001 Vauxhall Carlton Mk2 2.6L, South Wales Police Force (Cor) £21  
VA13104 Vauxhall Cavalier Mk3 2.0 16V LS Ministry of Defence Police (Cor) £21

**G Scale**

**Steam locos**

91404 Errolly Steam loco (with moving eyes) (Thomas the Tank range) (Bac) £205

**Train sets - analogue**

90068 Thomas Annie & Clarabel train set (loco moving eyes) Thomas the Tank range (Bac) ..... £199

**Wagons**

98008 Break van in grey (Thomas the Tank range) (Bac) ..... £45.27

**Analogue controllers**

10LGB Single Track Cased Controller for G Scale (Gau) ..... £79

**Track & Points**

16000 Curved track radius 3 22.5 degrees (LGB) ..... £11  
18150 L left hand point, manual switch, 15 degrees radius 5 (LGB) ..... £119  
10000 Straight Track 300mm (LGB) ..... £6  
10600 Straight Track 600mm long (LGB) ..... £11

**Any or Multiple Scales**

**Analogue controllers**

TS 3 Track power controller (1 brake simulator) (Gau) ..... £140



COMBI Combi 12v 1Amp Single Track Controller Transformer (Gau) ..... £30  
DS Double power controller brake simulator (Gau) ..... £119



D Double/Twin track power controller (Gau) ..... £69  
HH Hand Held Circuit Controller Feedback (Gau) ..... £32  
Q Quadraplo 4 circuit power controller (Gau) ..... £130  
W Walkabout circuit controller (Gau) ..... £29

**Analogue power supplies**

M1 Transformer Output 2 x 16V AC 1A (Gau) ..... £37  
T1 Uncased 2 x 16V AC Transformer (Gau) ..... £18

**Analogue point control**



CDU Capacitor Discharge Unit (Gau) ..... £11  
PL-35 Capacitor Discharge Unit Mk2 (Pec) ..... £12  
MODU Mains Powered CDU Unit (Gau) ..... £20

**DCC decoders**

DCR-8PIN-2SAX 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) ..... £11  
DCR-8PIN-2SAX Box of 5 (Hat) ..... £50  
DCR-8PIN-2SAX Box of 10 (Hat) ..... £99



DCR-8PIN-Harness Box of 10 8-pin (harness) 4-function 1.1Amp decoder back EMF (Hat) ..... £94  
DCR-8PIN-Harness Single (Hat) ..... £10  
DCR-8PIN-Harness Box of 5 (Hat) ..... £48  
36-552 8-pin 2-function 1A decoder (ideal for smaller OO and a small number of N gauge locos) (Bac) ..... £13.80

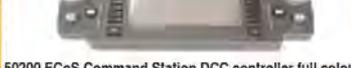


36-553 8-pin 3-function 0.75A decoder back EMF (Bac) £15.50  
36-564 8-pin decoder socket harness x1 (Bac) ..... £5.53  
36-559 DCC 21-pin to 8-pin adaptor/converter, For loose 21-pin sockets to use an 8-pin decoder in (Bac) ..... £3.50

**DCC accessory decoders**

36-561 EZ Command Dynamis 4-output point decoder (similar to Hornby R8247) (Bac) ..... £38.55

**DCC controllers**



50200 EcoS Command Station DCC controller full colour LCD touch screen & dual controllers motorised dials & easy CV (ESU) ..... £509  
36-520 EZ Command 5 amp booster transformer (Bac) ..... £190  
36-507 EZ Command Dynamis system - Additional handset (Bac) ..... £64.13



DCC02 Prodigy 'Advance 2' starter DCC controller package (Gau) ..... £215



DCC03 Prodigy 'Advance 2' Wireless starter DCC controller package (Gau) ..... £369  
DCC49 Prodigy 8 Amp booster unit (Gau) ..... £144  
DCC14 Prodigy Advance 2 Backlit Walkaround controller (Gau) ..... £39



DCC01 Prodigy Express Package. Can be extended the DCC13 Walkaround or DCC51 Wireless (Gau) ..... £124  
524-027 SBS Smart Booster Entry level 5A DCC system for use Power Cab controller (NCE) ..... £144

**Point motors**

PL-9 5 Mounting Plates for use PL-10E (Pec) ..... £2.25  
PL-10WE High performance turnout point motor extended pin (Pec) ..... £6



PL-10 Bag of 6 Point Motor (Switch Machine) (Pec) ..... £26  
PL-10 Single (Pec) ..... £4.50



PM-2 Seep point motor (Gau) ..... £3.50  
PM-4 Seep point Motor Self Latching Switch (Gau) ..... £5



PM-1 Seep point motor accessory switch (Gau) ..... £4



PL-11 Side mounted point motor (Pec) ..... £7  
PL-50 Turnout switch module (makes wiring points easy) (Pec) ..... £14

**Switches & Levers**

GM510 A5H Single Pole Double Throw Momentary Contact Mini-toggle for Point Motors (Gau) ..... £2.50



PL-26B Passing Contact Switch - Black Lever (Pec) £4.50  
PL-26W Passing Contact Switch - White Lever (Pec) ..... £4.50  
PL-51 Turnout switch module add-on (makes wiring easy) (Pec) ..... £5

**Electronic components**

HF-2 Electronic twin track cleaner (Gau) ..... £37  
TLU Transition lock uncoupler (Gau) ..... £9

**Accessories**

SL-14 Track Fixing Pins (Pec) ..... £1.25

**Spares**

TT4550 Tidy Track Rail Tracker Cleaning Kit (Woo) ..... £25.25

**Grass, Ground, Lichen, Hedges & Foliage**



T1349 Shaker Of Blended Turf - Green Blend (Woo) £7.80

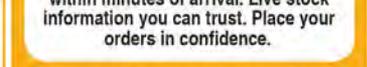
**Minerals, Water & Rocks**

B1394 Ballast Shaker - Blend Medium - Gray (Woo) ..... £8.60  
B1382 Ballast Shaker - Medium - Gray (Woo) ..... £8.60

**Track underlay**

JCS18L Cork Sheet - 1/8" Thick - 24" x 36" (Jav) ..... £8  
ST1409 Foam Fiser For Elevated Track - 4" High - 2.5" Wide - Pack Of 2 (Woo) ..... £9.20  
ST1410 Incline For Transition From 1 Level To Another - 2% Set - Elevates Track 4" in 16 - 2.5" Wide - Pack of 8 (Woo) ..... £15.40  
ST1411 Incline For Transition From 1 Level To Another - 4% Set - Elevates Track 4" in 8 - 2.5" Wide - Pack Of 4 (Woo) ..... £10.70

**Paint accessories**



AB502 Complete Airbrush Starter Set (Exp) ..... £109.95

**Glues**

AD-57 Picket Card Glue: Clean, Noat & Instant Card Modelling Glue (Ideal For Superquick & Metacel) - 50ml (Del) ..... £5.20

All items illustrated at our premier and secure website [www.ehattons.com](http://www.ehattons.com) within minutes of arrival. Live stock information you can trust. Place your orders in confidence.

Mastercard, Delta or Visa Card orders welcome by phone, letter or fax (quote expiry date and CVV number - last 3 digits on reverse of card). We also accept Switch, Maestro & Solo (quote issue number, start date and expiry date).

**Tel: 0151 733 3655**  
**Fax: 0151 734 4040**

PLEASE ALWAYS QUOTE PRODUCT CODES WHEN ORDERING OR ENQUIRING ABOUT ITEMS. WE CAN THEN INSTANTLY CONFIRM AVAILABILITY, PRICES AND STOCK LEVELS

Fully PCI compliant and secure card systems mean your card details are safe with us. Cheques and Postal Orders welcome.

Please supply phone number in case of problems.

Items that have sold out are automatically removed from our website

**PHONE OPENING HOURS**  
7am to 9pm - MON to THU  
8am to 6pm - FRI & SAT  
9am to 5pm - SUN

**SHOP OPENING HOURS**  
8am to 6pm - MON to SAT  
10am to 4pm - SUNDAY

We only put items in our advertisements after they have been delivered. Customers can be notified of new products by email as soon as they are delivered with no obligation to buy. This service is additional to our existing weekly mailing list. To subscribe to our free mailing list enter your email address at [www.ehattons.com/maillinglist](http://www.ehattons.com/maillinglist)

# CASH TODAY

Money for your secondhand locos & rolling stock

"Thanks for the prompt service. I'm amazed that you sent a valuation less than a day after my original enquiry!"

*Mr K Stevens, Hull*

"I was very pleased with the price offered by Hatton's and the simplicity of the service - I hope you find happy new owners for my locomotives"

*Mr R Thompson, Surrey*

### Step 1

**Contact us** with your list of items

Email your list of items to:  
**preowned@ehattons.com**

Post your list to:  
**364-368 Smithdown Road, Liverpool, L15 5AN**

Phone us with your list on:  
**0151 733 3655**



### Step 2

Our experienced staff **Review** your list

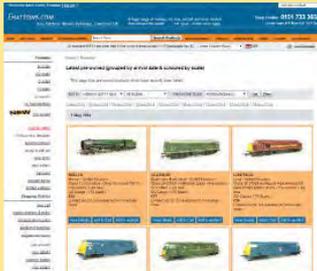
A **Valuation** is made of your items

We make you an **Offer**

(usually within 24 hours)



All items listed online at  
[www.ehattons.com/latestpreowned](http://www.ehattons.com/latestpreowned)



*Hundreds of new items added every day*

All brands purchased:

(including)



### Step 3

Either **Send** us your items

Or we arrange to **Collect**



### Step 4

Once we receive the items we'll **Check** them and **Confirm** the offer



### Step 5



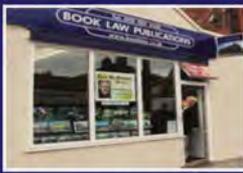
We make **Payment**

Fast and secure with your choice of either  
**Cash - Bank Transfer - PayPal - Cheque**

"I've bought from Hatton's for years and the trade-in service is just as efficient and friendly as usual - great service!"

*Mr H Moorhouse, Lincoln*





# BOOK LAW PUBLICATIONS

382 Carlton Hill, NOTTINGHAM. NG4 1JA.

THE UK'S LEADING RAILWAY TRANSPORT BOOK PUBLISHER



HOTLINE ORDERS : Tele :- 0115 961 1066 : FAX 01623 792704 : www.booklaw.co.uk : SHOP OPEN : Mon-Sat 10-30 3am - 3.30pm

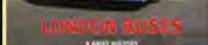
## WINTER SALE

PRICES APPLY ONLY TO THIS ADVERT

**LONDON TROLLEYBUSES**  
a class album



**LONDON BUSES**  
A BRIT HISTORY



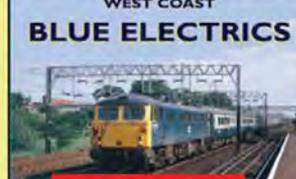
£6.95 Now £4.00

**LONDON TROLLEYBUSES**  
a class album



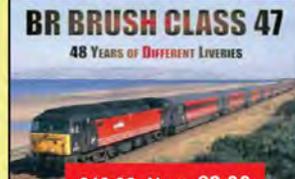
£18.95 Now £8.00

**WEST COAST BLUE ELECTRICS**



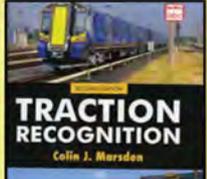
£19.99 Now £9.00

**BR BRUSH CLASS 47**  
48 YEARS OF DIFFERENT LIVERIES



£19.99 Now £9.00

**TRACTION RECOGNITION**  
Colin J. Marsden



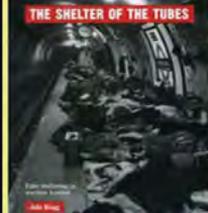
£16.99 Now £8.00

**Mechanical Horses**



£13.95 Now £5.00

**THE SHELTER OF THE TUBES**



£16.99 Now £8.00

**SOMERSET & DORSET SUNSET**



£18.95 Now £8.00

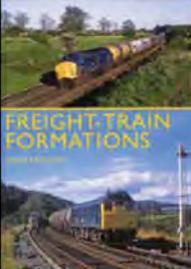
**BRUSH TRACTION**



Diesel & Electric Locomotives 1940-2008

£35.00 Now £15.00

**FREIGHT TRAIN FORMATIONS**



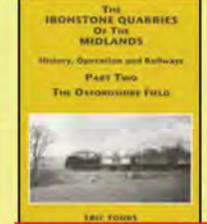
£16.99 Now £8.00

**Dr Beeching's Axe 50 YEARS ON**  
ILLUSTRATED MEMOIRS OF BRITAIN'S LOST RAILWAYS



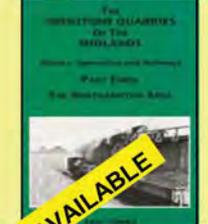
£18.99 Now £8.00

**THE IRONSTONE QUARRIES OF THE MIDLANDS**  
History, Operation and Railways  
PART TWO  
THE DERBYSHIRE FIELD



£17.99 Now £7.00

**THE IRONSTONE QUARRIES OF THE MIDLANDS**  
History, Operation and Railways  
PART THREE  
THE NOTTINGHAM AREA



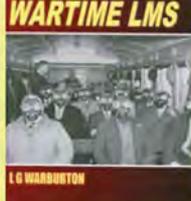
£17.99 Now £7.00

**RAIL GUIDE 2013**



£20.00 Now £7.00

**WARTIME LMS**



£30.00 Now £14.00

**RAILWAY COLLECTION**



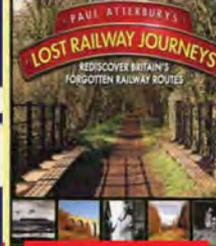
£25.00 Now £8.00

**BRITISH RAILWAYS BOARD**  
The Reshaping of British Railways  
PART 1: REPORT  
PART 2: MAPS



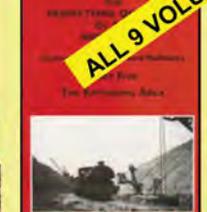
£19.99 Now £4.00

**PAUL ATTERBURY'S LOST RAILWAY JOURNALS**  
REDISCOVER BRITAIN'S FORGOTTEN RAILWAY ROUTES



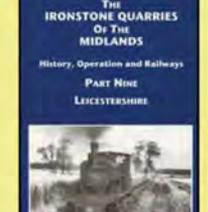
£15.99 Now £8.00

**THE IRONSTONE QUARRIES OF THE MIDLANDS**  
History, Operation and Railways  
PART NINE  
LEICESTERSHIRE



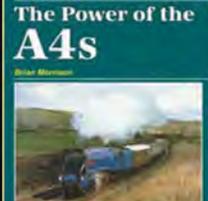
£17.99 Now £7.00

**THE IRONSTONE QUARRIES OF THE MIDLANDS**  
History, Operation and Railways  
PART NINE  
LEICESTERSHIRE



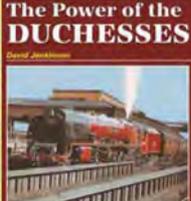
£17.99 Now £7.00

**The Power of the A4s**



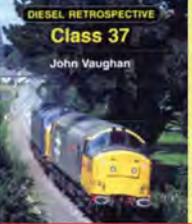
£19.99 Now £9.00

**The Power of the DUCHESSES**



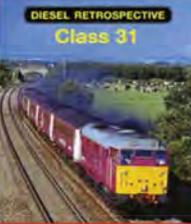
£19.99 Now £9.00

**DIESEL RETROSPECTIVE Class 37**  
John Vaughan



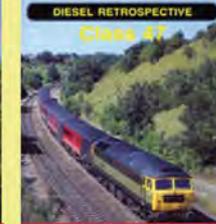
£19.99 Now £9.00

**DIESEL RETROSPECTIVE Class 31**



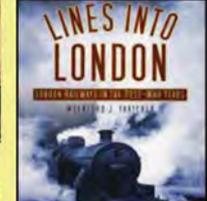
£19.99 Now £9.00

**DIESEL RETROSPECTIVE Class 47**



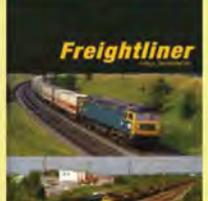
£19.99 Now £9.00

**LINES INTO LONDON**  
HIDDEN ROUTES & THE RAIL AND TUBE



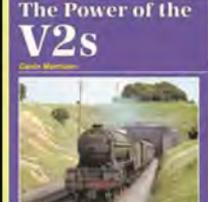
£19.99 Now £9.00

**Freightliner**



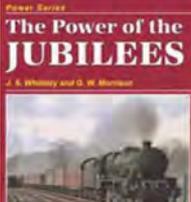
£22.50 Now £10.00

**The Power of the V2s**



£19.99 Now £9.00

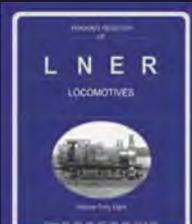
**The Power of the JUBILEES**  
J. S. Whitley and G. W. Morrison



£19.99 Now £9.00

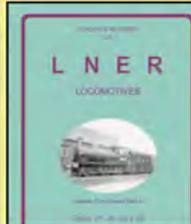
### YEADON LNER REGISTERS NOW HALF PRICE

**LNER LOCOMOTIVES**



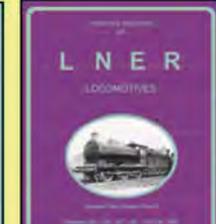
£19.99 Now £9.99

**LNER LOCOMOTIVES**



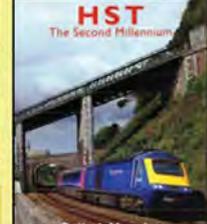
£19.99 Now £9.99

**LNER LOCOMOTIVES**



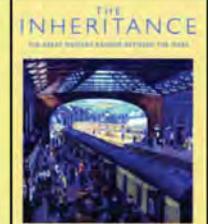
£19.99 Now £9.99

**HST The Second Millennium**  
Colin J. Marsden



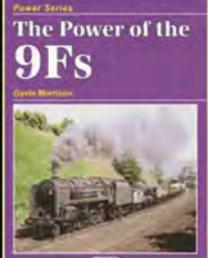
£24.99 Now £12.00

**THE INHERITANCE**  
TO GREAT VICTORIAN ENGINEERS BEYOND THE SEAS



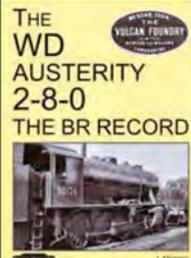
£25.00 Now £12.00

**The Power of the 9Fs**



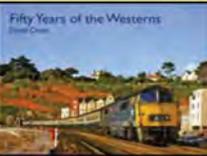
£19.99 Now £9.00

**THE WD AUSTERITY 2-8-0 THE BR RECORD**  
J. Mopson



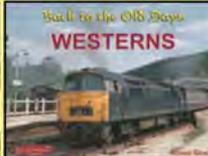
£34.99 Now £15.00

**Fifty Years of the Westerns**  
David Cook



£16.99 Now £8.00

**Back to the Old Days WESTERNS**



£16.99 Now £8.00

Start Now or to Complete Your Collection Of This famous YEADON Series Beginning With Volumes 1 - 11 Except No. 4

We also carry a full range of titles from the following publishers :-Atlantic - Sutton - Bairstow - Bellcode - Colour Point - Countryside - Cheona - Capital - Challenger - Xpress - Foxline - Freightmaster - History Press - Heaton - Heathfield - IRS - Ian Allan - Irwell Press - Noodle Books - Kestrel - Lightmoor - Lamplight - LTHS - Midland - Middleton Press - Nostalgic Road - Oakwood Press - OPC - Platform 5 - Runpast - Pendragon - RCTS - Robin Hood - Silver Link - Stenlake - Strathwood - Train Crazy - Tempus - Venture - Wild Swan - & Many Miscellaneous Publishers. A Full range of DVD's & Videos from B & R - Cine Rail / Marsden Rail etc, etc. **MIN ORDER £10.00 Please Add £2.50 Towards P&P : ORDERS OVER £30, SENT POST FREE**

Overseas : Customers will be notified of P&P costs. - Send For Our Latest 64 Colour Catalogue - Also Available On Line (When Placing An Order ON LINE PLEASE QUOTE : "SALE 01 / 15" In The COMMENTS BOX.) Please Note : The Above Offers Applies To This Advert Only

# STEP INTO OUR WORLD OF IMAGINATION

[www.bandhmodels.com](http://www.bandhmodels.com)



## B&H Models

AND COLLECTORS SHOP

PART EXCHANGE

BUY, SELL, SWAP

OPEN MON - SAT 9AM-5.30PM, DURING DECEMBER SUN 10AM-4PM

13 Corporation Street, Lincoln Tel. 01522 538717

Discount available upon quoting Ref: No: BHMH1



# MAGNIFICENT SCENERY ON YOUR ESCORTED ADVENTURE

## SAXONY BY STEAM

8 DAYS FROM £1,075

Boasting winding valleys and rugged mountain ranges, Saxony is among Germany's most scenic regions. We discover its prettiest towns and its beautiful scenery on excursions by historic narrow-gauge railway.

### ITINERARY

**Days 1-2. London to Dresden by rail.** We travel by Eurostar to Brussels, where we join the high-speed service via Cologne to Nuremberg. Here we stay overnight. On Day 2 we continue north to Dresden. Known as 'the Florence of the Elbe', Dresden is one of Germany's most beautiful cities. We spend five nights at the Westin Bellevue Dresden.

**Days 3-4. Dresden and Weisseritz Valley Railway.** On Day 3 you are free to explore Dresden at leisure. Perhaps visit the city's famous sights, such as the grand Semper Opera House and the imposing Zwinger Palace. Alternatively, the town of Moritzburg is well worth a visit. Dominated by the Baroque Moritzburg Palace, it is easily accessible by steam train on the Lößnitzgrundbahn Railway. On Day 4 we travel by regional train to the nearby town of Freital, where we board the scenic Weisseritz Valley Railway. We follow the full length of the narrow-gauge railway, travelling 16km through the wild Rabenauer Grund Valley to the town of Dippoldiswalde. We cross 34 bridges, climbing up into the mountains along the valley of the River Weisseritz on the historic railway, which first opened in 1882.

**Day 5. To Meissen by paddle steamer.** We take a historic paddle steamer along the Elbe. The boat passes Dresden, and continues into the picturesque Elbe Valley. We travel past treelined hilltops on our

way to Meissen. Here we visit the famous Porcelain Manufacturer for a guided tour, with time to explore the idyllic Old Town.

**Day 6. The Zittau Railway.** Today's excursion takes us by rail to the medieval town of Zittau. Here we enjoy a journey on the steam-hauled Zittau Railway through the pretty wooded upland and dramatic rock structures of the Zittau Mountains, as we head to Oybin, overlooked by the ruins of its castle and monastery.

**Days 7-8. By rail to Nuremberg and London.** Leaving Dresden, we travel by rail to Nuremberg, for an overnight stay at the Maritim Hotel. You are free to explore this afternoon. On Day 8 we take the train to Cologne, and continue to Brussels. Here we join the Eurostar service to London.



### WHAT'S INCLUDED ON YOUR TOUR

- Fully escorted by a UK Tour Manager from start to finish
- Standard Class rail travel throughout
- 7 nights' hotel accommodation with breakfast each day
- 5 dinners
- Journey on the Weisseritz Valley Railway
- Paddle steamer cruise to Meissen
- Guided tour of Meissen Porcelain Manufacture
- Excursion on the Zittau Railway
- All transfers

Departures	Price	Departures	Price
23 May 15	£1,075	1 Aug 15	£1,075
6 Jun 15	£1,095	12 Sep 15	£1,095
4 Jul 15	£1,095	26 Sep 15	£1,095

**BOOK NOW** or request a free brochure 01904 734 245. Our UK tour advisors are here 7 days a week [www.GreatRail.com/SDS](http://www.GreatRail.com/SDS)

# WEALISTIC MODELS

Slide bar  
rolling road



**Wealistic Models**  
German manufactured  
rolling roads are flexible  
in their arrangement  
and simple to use.

## THE DETAILS

**Manufacturer:** [wealisticmodels@hotmail.com](mailto:wealisticmodels@hotmail.com)  
01189 616471  
**Description:** Slide bar rolling road  
**Scale:** 'N', 'OO', 'EM', 'P4' and  
'O' gauge versions available  
**Price:** £65 ('OO'), £53 ('N')

Wealistic Models has taken delivery of this new rolling road system which is manufactured in Germany. It has been available in Europe since 2006 and offers a flexible and robust slide bar rolling road which is very simple to use.

It consists of two 6mm diameter steel rods which support the rollers. These are also used as power connections and the rolling road is

suitable for use with DC, DCC and even third-rail centre pick up models as the central spine bar can also be powered. To connect power the steel bars simply unclip from the plastic end brackets allowing wires to be clipped between the plastic and metal when the rods are clipped back in.

On test we found this rolling road to be very simple to use in all respects. Locomotives rest

comfortably in the rollers and none of the models we tested tried to climb out. The rollers themselves are brass and very free running. It is also available for 'N', 'OO', 'EM', 'P4' and 'O' gauge.

This is an excellent new product for the UK and one which we're sure will be popular as it has many uses. (MW)

**Email: [wealisticmodels@hotmail.com](mailto:wealisticmodels@hotmail.com) or**  
**Phone Tony on 01189 616471**

# Realistic Flowers At Realistic Prices



Flower Borders 100mm long (mixed colours)  
Per Pack 7mm - 2, 4mm - 3, 2mm - 5



Flower Planters - Rectangular or Square  
(random colours)



Flower Beds (random colours)  
Per Pack 7mm - 11, 4mm - 21, 2mm - 33



Flexi-Hedge 300mm long  
15mm - £2.50, 20mm - £2.75, 30mm - £3.00



Grass Strips 55mm long (mixed colours)  
Per Pack 1-2mm - 16, 2-4mm - 12



Grass Tufts - Choice of 8 shades  
2-4mm Tall - 21 per pack

Gift Certificates  
available to  
Buy online

**W:** [www.themodeltreeshop.co.uk](http://www.themodeltreeshop.co.uk) **E:** [sales@themodeltreeshop.co.uk](mailto:sales@themodeltreeshop.co.uk)  
The Model Tree Shop, 4 David Hume View, Chirnside, Scottish Borders, TD11 3SX  
Tel: 01890 819 021

My Hermes  
£4.95 P&P  
Royal Mail  
£6.95 P&P

**Don't  
Delay  
Call  
Today**

# WANTED

**No Cheques  
No Posting  
Just a Top  
Cash Deal**



**Britbus**

**CORGI**

**GRAHAM  
FARISH**

**HELJAN**

**HORNBY**

**wrenn RAILWAYS**

**Top Prices Paid for Your collection of  
Hornby, Bachman, Heljan, Farish, Wrenn,  
DJH and Other Kits Built & Unbuilt, Exley,  
LGB, Corgi, OOC, EFE, Plant, Tekno.**

# WE PURCHASE YOUR WHOLE COLLECTION

**Layouts dismantled – Distance No Object**

For discounted Hornby and further special offers please  
visit our website at

**[www.sandjmodels.co.uk](http://www.sandjmodels.co.uk)**

**Call Now Tel: 01606 872786 • Mobile: 07531 949069**

**Email: [sjmodels@tiscali.co.uk](mailto:sjmodels@tiscali.co.uk)**





# The National Garden Railway Show



Live steam garden railway models in action all day!

At least a dozen layouts in garden scales - Over 80 trade stands

Cafe, Restaurant, & Cash machine on site,

FREE Parking on site - Shuttle Bus from BR Peterborough

Tickets (on the door) : Adults £9.00, Under 18 FREE

[www.nationalgardenrailwayshow.org.uk](http://www.nationalgardenrailwayshow.org.uk)

For full details including discounts on Advance Tickets

10.00am - 5.00pm

Doors open to the Atrium & Restaurant at 9.00am

Sat 11th April 2015

Peterborough Arena,  
East of England Showground, PE2 6XE

## ANDY LOWE Electronics

All your electronic components at LOWE prices  
Bespoke encased transformer specialist

[www.andylowelectronics.co.uk](http://www.andylowelectronics.co.uk)

### REPAIRS

We repair a wide range of controllers including AMP, KPC Pantroller, etc.  
We stock a wide range of components including wire 7/0.2 1.4 Amp,  
16/0.2 3 Amp, 24/0.2 5 Amp in all 11 colours. 32/0.2 6 Amp in Red and Black only.

### SWITCHES

complete range including 3 pole and 4 pole.

GWB Red, Amber, Blue, Yellow and Green.  
LED's Std Red, Green, Amber, Yellow and White.

LED's 12v Red, Green, Yellow and White.

Please check the website or give us a ring for prices.



### DIN PLUGS

CDP9	3 pin Din Plug	65p	3 pin Din Skt	65p	CDS9
CDP3	4 pin Din Plug	65p	4 pin Din Skt	65p	CDS5
CDP1	5 pin Din Plug (180°)	65p	5 pin Din Skt (180°)	65p	CDS2
CDP2	5 pin Din Plug (240°)	65p	5 pin Din Skt (240°)	65p	CDS3
CDP6	6 pin Din Plug	70p	6 pin Din Skt	80p	CDS6
CDP7	7 pin Din Plug	75p	7 pin Din Skt	85p	CDS7
CDP8	8 pin Din Plug	80p	8 pin Din Skt	90p	CDS8

### HEATSHRINK SLEEVING

(shrunk 2:1 Ratio)



HS1	1.6mm x 1.2m Red or Black	£1.20
HS2	3.2mm x 1.2m Red or Black	£1.40
HS3	2.4mm x 1.2m Red or Black	£1.30
HS5	1.2mm x 1.2m Red or Black	£1.10
Other sizes available		

### SUB MIN 'DEE' CONNECTORS

BS709P	9 way	Plug	45p
BS709S	9 way	Skt	45p
BS715P	15 way	Plug	50p
BS715S	15 way	Skt	50p
BS725P	25 way	Plug	60p
BS725S	25 way	Skt	60p
BS737P	37 way	Plug	90p
BS737S	37 way	Skt	90p

T: 01981 540366 E: [andy@andylowelectronics.co.uk](mailto:andy@andylowelectronics.co.uk)

Hillcrest Cottage, Little Birch, Hereford HR2 8AY



Cheq: Andy Lowe

P&P: £2.99



**SAS** Est. 1991  
specialauctionservices.com

## Trains for the Collector 15 & 16 April



A 5in. Gauge scratch-built model of the GWR 14xx-Class 0-4-2 Tank Locomotive No. 1450, built by Donald Oxland Estimate £6,000 - £8,000

We auction toy and model trains in all gauges by many different makers in at least eight sales a year, rounded off by our special Trains Galore sale on 9 and 10 December. This year, due to high demand, we have added in an extra Trains for the Collector sale on 15 & 16 April. Our sales typically include railwayana, 3/4in. and 5in. Gauge models, fine scale 0 Gauge and 00 Gauge locomotives and rolling stock, plus commercial models from Märklin, Hornby Series, Bassett-Lowke, Hornby-Dublo, Bing, Carette, ACE Trains, Fulgurex, Aster, Fleischmann, Triang, Hornby Railways, LGB, Bachmann, Trix and Hornby ACHO. We are always taking in consignments for all our sales and are very happy to visit as we travel around the country picking up collections of trains, toys and toy figures.

For further information on our auctions, to consign or to get a valuation, please contact Hugo Marsh or Bob Leggett on + (0)1635 580595 or [hugo@specialauctionservices.com](http://hugo@specialauctionservices.com)

81 Greenham Business Park, Newbury RG19 6HW [www.specialauctionservices.com](http://www.specialauctionservices.com)

• REPAIRS DONE • CUSTOMERS WANTED!.. With an eye for a bargain • DCC DECODERS FITTED •

R 2946 BR BLUE 4VEP .....	£90
<b>STEAM LOCO'S</b>	
R 3110 BR 262 TANK 61XX CLASS .....	£69
R 3017 PATRIOT SIR HERBERT WALKER .....	£90 £100
R 3030 LMS 4F .....	£70
R 3124 BR EARLY CREST 42XX .....	£98
R 3126 BR LATE CREST 52XX .....	£98
R 3243 LATE CREST K1 62024 .....	£120
R 3243A LATE CREST K1 62027 .....	£120

**TTS SOUNDS LOCOS**

R 3245 A1 TORNADO .....	£140
R 3370 DUKE OF GLOUCESTER .....	£128
R 3285 LNER A4 GADWALL .....	£95
R 3286 CLASS 40 EMPRESS OF CANADA .....	£79
R 3289 CLASS 37 NETWORK RAIL .....	£79

**DAPOL**

D 6316, 6328 DAPOL CLASS 22 WITH HEAD CODE .....	£105
D 6326, D6316 DISCS WITHOUT HEADCODE .....	£107
DAPOL COACH KITS .....	£9.95
DAPOL READY MADE COACHES .....	£12.95

FULL RANGE OF DAPOL ROLLING STOCK  
**00 & N DAPOL WORKING SEMAPHORE SIGNAL**  
**£21.95 3 FOR £65 INC POSTAGE**

**OXFORD DIECAST**

GOOD RANGE OF E.F.E. BUSES, MANY LOCAL  
 INCLUDING 16124 BRADFORD LEYLAND PD 2 .....

**Full range of 00 & N Gauge**  
 Cars, Wagons, Buses, Tractors etc.

**TRACKSIDE**

DG22600 COLES CRANE YELLOW .....	£10
----------------------------------	-----

DG5006 RUSTON BUCYRUS SCIMMER LNER .....	£10
DG5003 RUSTON BUCYRUS SCIMMER GREEN .....	£10
DG5004 RUSTON BUCYRUS DRAG SHOVEL GWR .....	£10
DG5002 RUSTON BUCYRUS DRAG SHOVEL GRN .....	£10
0000 RUSTON BUCYRUS FACE SHOVEL GRN .....	£10
DG5007 RUSTON BUCYRUS F/SHOVEL SOUTHERN .....	£10
R 6249D CC DECODERS .....	£12.50 EA, 6 FOR £72

**COACHES**

R 4634A/B/C BLUE GREY STD WITH LIGHTS .....	£33
R 4567 GRESLEY CORRIDOR 1ST .....	£20
R 4534A PUSH-PULL COACH PK .....	£59.99
R 4534B PUSH-PULL COACH PK .....	£62.50

**LIGHTED PULLMAN COACHES**

R 4478/79/80/81/86/87 .....	£25
R 4639 A/B/C TSO MIDLAND MAIN LINE .....	£27
R 4638/A FO MIDLAND MAIN LINE .....	£27
R 4444A FO INTERCITY BLUE/GREY .....	£27
R 4446A TSO INTERCITY BLUE/GREY .....	£27
R 4429 PULLMAN NO.171 .....	£25
R 4468 GRESLEY BUFFET BLUE/GREY .....	£39.95

R 4406A CRIMSON & CREAM BRAKE 3RD .....	£21
R 4408A CRIMSON & CREAM BRAKE COMP .....	£21
R 4407A CRIMSON & CREAM COMPOSITE .....	£21
MK 3 COACHES	
MIDLAND MAIN LINE FO, TSO, TGS, BUFFET .....	£27
BLUE GREY EASTERN REGION WITH LIGHTS FO, TSO, TGS BUFFET .....	£33
EX VIRGIN FO, TSO, TGS, BUFFET MK 1 COACHES .....	£26.50
R 4635/A/B ARRIVA WALES MK 3 STANDARD CLASS .....	£26.50
MK 1 COACHES	
CRIMSON & CREAM, CHOC & CREAM & MAROON SO, TSO	
COMPOSITE & FULL BRAKE AVAILABLE IN RAILROAD .....	£19
FULL SPECIFICATION WHICH IS METAL WHEELS & ENHANCED	
PRINTING .....	£23
SOUTHERN BR GREEN, SO WITH LIGHTS .....	£33
OTHER TYPES TO FOLLOW	

**WAGONS**

R6466/67/68 OTA EWS RED .....	£12 EA
R6489/70/71 OTA THAMESBOARD BLUE .....	£11 EA
R6541 TOTAL .....	£6.95
R6543 MURCO 100T TANK .....	£17
R6642/A SHUNTERS WAGON GW .....	£9
R6643/A SHUNTERS WAGON BR .....	£9
R6647 EX BLUE SPOT BARRIER .....	£9.60
R6650 BR BLACK TROUT .....	£16.50
R6401A BR 9 PLANK GREY .....	£5.50

**HORNBY YEAR WAGONS**

2010 .....	£5.50
2011 .....	£6.00
2013 .....	£8.25
2014 .....	£10.50
2015 .....	£9.50

**PENNINE Models**  
*at Haworth*  
 Wednesday to Sunday 11am-5pm  
 33/35 Mill Hey, Haworth,  
 Keighley BD22 8NQ  
 Tel: 01535 642367  
 penninemodels@gmail.com

EVERYTHING IN THE SHOP TO TURN A TRAIN SET INTO A MODEL RAILWAY

**PETER'S SPARES**  
**MODEL RAILWAYS LIMITED**  
**MAIL ORDER & REPAIR SPECIALISTS**





- ❖ New & Used Hornby Spare Parts ❖ Our own spare parts made in China
- ❖ Locomotives and Rolling Stock ❖ Plastic Kits ❖ Paints ❖ Tools & Glues
- ❖ Digital Decoders & Controllers ❖ Locomotive Detailing Parts
- ❖ Mega Steam Smoke Fluid
- ❖ Tracks & Train Sets
- ❖ We have it all at Peters Spares




**NEW & USED MODEL RAILWAYS**

Specialists in Model Trains since 1994 - Servicing, Repairs & DCC Decoder Fitting  
 2J Brighthouse Business Village, Riverside Park, Middlesbrough, Cleveland TS2 1RT

**Tel: 01642 909794**

Open Mon-Sat 10am - 5pm

**Web: www.petersspares.com**

Email: sales@petersspares.com



**GAUGEMASTER.com**

# Kernow Model Rail Centre

Visit [www.kernowmodelrailcentre.com](http://www.kernowmodelrailcentre.com) or call our team on 01209 714099  
UK POSTAGE & PACKING = £4 PER ORDER. ORDERS OVER £150 = POST FREE

## KERNOW MODEL RAIL CENTRE EXCLUSIVE LIMITED EDITION BEATTIE WELL TANK - OO GAUGE



**K2056 DJ Models 2-4-0WT Beattie Well Tank Steam Loco No. 30587 in BR Black livery with late crest. IMMINENT DELIVERY...£99.99**



**K2057 DJ Models 2-4-0WT Beattie Well Tank Steam Loco No. 30586 BR Black BRITISH RAILWAYS Bulleid Sunshiner Lettering. IMMINENT DELIVERY...£99.99**

### LOOK OUT FOR THE BARGAIN PRICES HIGHLIGHTED IN YELLOW!

**BACHMANN E-Z COMMAND**  
36-505 F-Z Command Dynamics Digital Control Unit...£122.50  
36-506 F-Z Command Dynamics...£49.99  
36-507 F-Z Command Dynamics...£129.99  
36-508 F-Z Command Dynamics...£149.99  
36-511 Bachmann Accessory Decoder...£39.99

**BACHMANN OO TRAIN SETS**  
30-042 Digital Starter Set...£129.99  
30-053 Toprail Express Train Set...£99.99  
30-080 The Western Wanderer Train Set...£89.99  
30-105 The Midland Marvel Train Set...£109.99  
30-160 Rural Compressor Train Set...£89.99  
30-170 The Thames City Express Train Set...£149.99  
30-325 Ambulance Train Pack...£144.99

### BACHMANN OO STEAM LOCOMOTIVES

25-2014 Silver Anniversary Set with 'Silver Jubilee' & Class 47...£214.99  
31-013 Class 77 No. 3808B BR Black L & Dealey Tender...£119.99  
31-085 3200 Far Class 4-4-0 9022 BR Black F/E, weathered...£114.99  
31-086 3200 Far Class 4-4-0 9017 BR Black F/E...£104.99  
31-087 3200 Far Class 4-4-0 9003 GWR Green...£104.99  
**31-122 3000 ROD No. 3023 BR Black F/E, weathered...£89.99**  
31-128 3000 ROD No. 3036 BR Black F/E, weathered...£118.99  
31-137 Class 0112 No. 6385 'Lucky Muckelbacker' LNER...£106.99  
31-138 Class 0112 No. 62682 'Hayston of Bucklaw' BR...£106.99  
31-167 LVT/LV 2-4-2 No. 50795 BR Lined Black F/E, weathered...£79.99  
31-187 Jubilee No. 5664 'Nelson' LMS with Stanier Tender...£110.99  
31-188 Jubilee No. 45565 'Victoria' BR L/E, weathered...£118.99  
31-189 Jubilee No. 45606 'Falkland Islands' BR L/E, weathered...£118.99  
31-318 Robinson Class J11 (OCR 3U) 5317 LNER Black...£77.99  
31-319 Robinson Class J11 (OCR 3U) 6337 BR Black F/E...£77.99  
31-430 Midland Class 1F No. 1725 LMS Black...£79.99  
31-465 Wainwright C Class No. 31579 BR Black L/E...£99.99  
31-526 A2 No. 60533 'Happy Knight' BR Green L/E...£125.99  
31-529 A2 No. 60534 'High Elegance' BR Green L/E...£124.99  
31-530 A2 No. 526 'Sugar Palm' LNER Green...£125.99  
31-565 V2 No. 60662 BR Lined Green L & Double Chimney...£101.99  
31-714 Class B1 No. 61250 'A Harold Blöby' BR Lined Black F/E...£84.99  
31-860 Midland Class 4F No. 3851 LMS, Johnson/Dealey Tender...£77.99  
31-861 Midland Class 4F No. 3852 LMS, Johnson/Dealey Tender...£77.99  
31-862 Midland Class 4F No. 43924 BR L/E Fowler Tender...£114.99  
31-931 Midland 4-4-0 Compound No. 1189 LMS Black...£114.99  
31-933 Midland 4-4-0 No. 41157 BR Lined Black L/E...£114.99  
**31-964 A4 4-6-2 No. 60004 'William Whitelaw' BR Green L/E...£89.99**  
32-154A N Class No. 31404 BR Lined Black L/E, weathered...£105.99  
32-219 Class 57X No. 7717 BR Black L/E, weathered...£66.99  
32-251 VU Austerity 2-6-0 No. 90441, BR Black F/E...£111.99  
32-508 Standard Class M1 72049 BR Green L/E, BRIT Tender...£105.99  
32-509 Standard Class M1 73109 BR Black L/E, BRIT Tender...£105.99  
32-508 Class A1 60163 'Tomado' BR Lined Brunswick Green...£127.99  
32-828A Valt Class M21 2-6-0 46526 BR Black L/E, weathered...£93.99  
32-955 Standard Class M1 2-6-0 No. 76109 BR Lined Black L/E...£88.99

### BACHMANN OO DIESEL LOCOMOTIVES & MULTIPLE UNITS

31-575 MPV Unit, Network Rail...£99.99  
31-577 MPV Unit No. 98910 & 98960, Railcraft...£99.99  
31-588 Class 70 Powerhaul No. 70 005 Freightliner, weathered...£129.99  
31-655 Class 47 No. 47 301 Red Stripe Paintrol DCC Ready...£87.99  
31-658 Class 47/0 47 190 'Pectinidae' Trainload Petroleum whnd...£98.99  
31-995 LMS Prototype No. 10000, BR Brunswick Green...£97.99  
31-996 LMS Prototype No. 10000, BR Brunswick Green...£97.99  
31-997 LMS Prototype 10001 BR Brunswick Green L/E...£97.99  
32-1062 Class 08 Shuttle 08 601 'Tern' Freightliner...£69.99  
32-285 Class 101 2 Car DMU BR Blue & Green w/Speed Whiskers...£127.99  
32-286 Class 101 2 Car DMU BR Blue & Green w/Speed Whiskers...£127.99  
32-287 Class 101 2 Car DMU BR Blue & Green...£127.99  
32-288 Class 101 2 Car DMU BR Blue...£127.99  
32-517 Derby Lightweight 2 Car DMU BR Blue...£84.99  
32-529A Class 55 Deltic No. D9011, BR Two Tone Green...£93.99  
32-534 Class 66 No. 66 101 DGB Schenker, weathered...£99.99  
32-736 Class 86 No. 86 845 'Fire Fly' Intercity Swallow...£93.99  
32-816 Class 47 No. 47 364 'Fire Fly' Intercity Swallow...£93.99  
32-816 Class 47 No. 47 365 'Midland Jubilee'...£93.99  
32-817 Class 47 No. 47 745 'Royal London Society for the Blind'...£93.99  
32-927 Class 150/1 2 Car Sprinter DMU No. 150 128 F/GW...£127.99  
32-928 Class 150 2 Car Sprinter DMU No. 150 150...£135.99  
32-937 Class 150/2 2 Car Sprinter DMU No. 150 202 Centre...£127.99  
32-938 Class 150/2 2 Car Sprinter DMU Northern Rail...£127.99

### BACHMANN OO ELECTRIC & MULTIPLE UNITS

31-030 Class 350/1 Desiro 4 Car EMU 350 111 'Apollo' Silver Link...£159.99  
31-031 Class 350/1 Desiro 4 Car EMU 350 238 London Midland...£159.99  
31-032 Class 350/1 Desiro 4 Car EMU 350 102 London Midland...£159.99  
**31-065 Class 419 Motor Luggage Van No. 568001 BR (SH) Green...£39.99**  
31-066 Class 419 Motor Luggage Van No. 568002 BR (SH) Green...£39.99  
31-067 Class 419 Motor Luggage Van No. 568003 BR Blue & Grey...£44.99  
31-068 Class 419 Motor Luggage Van No. 900000 BR South East...£83.99  
31-269 Class 419 Motor Luggage Van No. 86008 Jaffa Cake...£83.99  
31-375 Class 416 2-PP EMU No. 5764 BR Blue...£99.99  
31-677 Class 85 Type A/L No. 13056 BR Blue (Pre-TOPS)...£94.99  
31-678 Class 85 No. 85 026 BR Blue...£94.99

### BACHMANN DCC FITTED OO LOCOMOTIVES

30-048 Highland Tourist Digital Sound Train Set...£259.99  
31-087DC 3200 Far Class Steam 4-4-0 9003 GWR Green...£119.99  
**31-167DC LNH F Class 0112 Steam 6387 'Ede Ochiltree'...£92.99**  
31-167DC LVT/LV 2-4-2 Steam 50795 BR L/E, weathered...£99.99  
31-320DC Robinson Class J11 (OCR 3U) 6425 BR Black L/C...£92.99  
31-357DC Class 70 Diesel 70 004 Freightliner Light Green...£99.99  
31-626DC Class 3F 0-6-0 Steam Loco No. 43620, BR Black w/brd.2101...£129.99  
31-680DC Class 47 Diesel Loco No. D1677 'BR' Yellow ends...£104.99  
31-932DC Midland 4-4-0 Compound Steam 40934, BR L/E...£126.99  
32-260DC VU Austerity 2-6-0 No. 90448, BR Black L/C...£129.99  
32-480DC Class 40 Diesel No. D2111 'Mauretania' BR Green...£208.99

### BACHMANN OO WAGONS/S/BUCKETS

**FOR OUR FULL RANGE VISIT WWW.KERNOWMODELRAILCENTRE.COM**  
**BACHMANN OO COACHES**  
39-0526 BR Mk1 S2 Second Open Coach BR Crimson & Cream...£27.99  
39-0528 BR Mk1 S2 Second Open Coach Network South East...£27.99  
39-075D Mk1 HSK Brake 2nd Corridor Coach BR Blue & Grey...£27.99  
39-079C Mk1 HSK Brake 2nd Corridor Coach BR (WFI) weathered...£29.99  
39-125D Mk1 CK Composite Corridor Coach BR Blue/Grey...£27.99  
39-126C Mk1 CK Composite Corridor Coach BR, weathered...£29.99  
39-127C Mk1 CK Composite Corridor Coach BR, weathered...£29.99  
39-128C Mk1 CK Composite Corridor Coach BR (WFI) weathered...£29.99  
39-131 Mk1 CK Composite Corridor Network South East...£27.99  
39-154C Mk1 FK First Corridor Coach BR (WFI) weathered...£29.99  
39-200C Mk1 Super HG Full Brake Coach Hies BR weathered...£29.99  
39-226C BR Mk1 HSK Brake Composite BR Maroon, weathered...£29.99  
39-229C Mk1 BSK Brake Composite Corridor BR (WFI)...£27.99  
39-274 GUV BR Blue & Grey 'Motoral'...£21.99  
39-274A GUV F9376 BR Blue & Grey - Intercity Motoral, whnd...£29.99  
39-276 Class 101 2 Car DMU BR Blue...£27.99

39-363 BR Mk2A TSO Tourist 2nd Open Network South East...£33.99  
39-380A Mk2A RSO Brake Second Open Coach No. F3418, BR...£33.99  
39-425 Travelling Post Office Blue & Grey...£22.99  
39-430 Travelling Post Office 1960s Red...£33.99  
39-435 Travelling Post Office 1960s Red...£33.99  
39-450 LMS 57H Portlath Corridor 3rd Coach M13154M BR...£33.99  
39-455 LMS 57H Portlath Corridor 1st Coach M1122M BR...£33.99  
39-465 LMS 60H Portlath Corridor Composite Coach BR...£33.99  
39-470 LMS 60H Portlath Corridor 1st Coach BR...£33.99  
39-475 LMS 60H Portlath Open Vestibule Coach M7481M BR...£33.99  
39-501 SLF 1st Class Sleeper Car No. L2054 BR Blue & Grey...£33.99  
39-502 Mk1 SLF 2nd Class Sleeper Car M2635 Maroon...£33.99  
39-775 LMS 50P Inspection Saloon No. 45396 LMS Maroon...£50.99  
**SPECIAL OFFER - BACHMANN LIVERY COACHES BUY 4 FOR ONLY £150.00 (DISCOUNT OFFER)**

### HORNBY OO TRAIN SETS/PACKS

R1171 Flight of the Mallard Train Set...£160.00  
R1172 Majestic Train Set with Digital eLink System...£259.99  
R1173 Glasgow City Pullman Train Set...£259.99  
R2670 GWR Steam Freight Train Pack...£44.49  
R19186 Trains On Film: 1771 Thunderbolt Train Pack...£109.99  
R2320 Tyeley Connection Pitchford Hall Train Pack...**NEW £109.99**

### HORNBY OO STEAM LOCOMOTIVES

R2672 Railroad 0-4-0 No. 272 Calandran Railway...£28.49  
**R2704X Railroad 4-6-2 2-10 No. 80022 'Mallard' BR Green L/C...£64.99**  
R2882 Railroad 0-6-0 3F No. 24 Somerset & Dorset Joint Locomotive...£32.49  
R29214 4-6-0 H171 Class 61637 'Thorne Hall' BR Green F/E...£129.99  
R2938 Class N1 No. 1040 'Roodee' LNER...£108.99  
R3010 King Arthur N15 Class 711 'Sir Sagamore'...£149.99  
**R3017A Parcel Class 45556 'Sir Herbert Walker' K.C.P. DCC Fitted...£109.99**  
R3019 Orange Class 6945 'Zwilling Orange' Gm G/L/E weathered...£128.75  
R3060 A1 No. 60163 Tomado BR Green...£89.99  
R3064 Railroad 0-4-0 No. 56025 'Smoking Joy' BR Black...£27.55  
R3066 Railroad Class A1 No. 4472 'Flying Scotsman' LNER Green...£84.99  
R3098 A1 No. 60163 'Tomado' BR Green F/E, Special Edition...£104.99  
R3105 Castle Class No. 5075 'Wellington' GWR Green...£139.99  
R3106 Class 28XX No. 2807 GWR as preserved...£143.99  
R3107 19 Class No. 30319 BR Lined Black L/C...£109.99  
R3108 19 Class No. 708 Southern Black Bullied Sunshine...£119.99  
R3109 Thompson Class B1 No. 61263 BR Black L/C...£129.99  
R3123 Class 42XX 2-6-0 4283 GWR Green Shuntbrn emblem...£104.99  
R3124 Class 42XX 2-6-0 No. 4266 BR Black F/E...£104.99  
R3126 Class 42XX No. 5243 BR Black L/C...£104.99  
R3131 Class A4 No. 4462 'Great Snipe' LNER Grand Blue...£144.99  
R3166 Star Class 40XX 4018 'Knight Of The Canter Clue'...£134.99  
R3167 Star Class 40XX 4061 'Glastonbury Abbey' BR Gm F/E...£134.99  
R3169 Railroad Hall Class No. 5972 'Oton Hall'...**NEW £82.99**  
R3177 Class N2 No. 174 GWR...£89.99  
R3188 Class N2 No. 6554 BR Black L/C...£129.99  
R3189 Class L1 No. 9003 LNER Green...£118.99  
R3194 Schools Class No. 30937 'Epsom' BR Black F/E...£133.99  
R3204 Class M7 No. 245 LSWR - NFM Special Edition...£129.99  
R3208 Schools Class 4-4-0 30915 'Brighton' BR Black F/E...£139.99  
R3222 2-6-0 42XX Class No. 4261 'Great Western Green'...**NEW £119.99**  
R3228 Austery 0-6-0 J94 No. 12 - NCB Kent...£73.50  
R3229 Star Class No. 4021 'British Monarch' BR Gm F/E...**NEW £134.99**  
R3230 Class J16 No. 7524 LNER Black...£109.99  
R3231 Class J16 No. 65326 BR Black F/E...**NEW £128.99**  
R3236 Pacific 71000 'Duke Of Gloucester' BR Green L/C...£125.99  
R3242 Class K1 No. 82015 BR Lined Black F/E...**NEW £128.99**  
R3243 Class K1 No. 62024 BR Lined Black L/C...£129.99  
R3280 Class A4 4496 'Golden Shuttle' LNER Grand Blue...£76.99

### HORNBY OO DIESEL LOCOMOTIVES & MULTIPLE UNITS

R3049 Class 08 Diesel Shunter No. 08 417 Serco...£78.99  
R3067 Railroad Class 31 Diesel Loco No. 31 256 BR Blue...£64.99  
R3068 Class 42 Warship Diesel Loco No. D802 'Formidable' BR...£49.99  
R3138 Class 43 HST Train Pack BR Blue & Grey...£199.99  
R3150 60 Diesel 60 'The Spirit of Tom Kendall' BR Schenker...£139.99  
R3179 0-6-0 Seminal Diesel Loco, F&O - Kentwell Park...£55.99  
R3180 0-4-0 Seminal Diesel Locomotive, weathered...£55.99  
**R3183 Class 67 Diesel Loco No. 67 002, Arriva Trains...£94.99**  
R3184 Class 153 DMU No. 153 309 'Gerard' LNER...£89.99  
R3268 Class 67 No. 67 003 Arriva Trains Wales...£139.99  
R3281 Railroad Class 09 09 071 National Railway Museum...**NEW £35.99**  
R3282 Railroad Class 42 Warship Diesel D853 Thruster...£54.99  
R3283 Railroad Bagnall Diesel Shunter...£29.99

### HORNBY OO ELECTRIC LOCOMOTIVES & MULTIPLE UNITS

R3143 Class 423 4-VEP EMU Set No. 7830 BR Blue & Grey...£199.99  
R31612 2-6-2 2 Car Electric Multiple Unit SH Green...£130.25  
R31624 2-6-2 2 Car EMU No. 2142 BR Green...£99.99  
R3179 2-6-2 2 Car EMU No. 2090 BR Green...£189.99  
R3184 1960 Brighton Belle 2 Car EMU...£189.99  
**R3185 Hatched Class 395 4 Car LMS Pack 395 004 'Sir Chris'...£114.99**  
R3257 2-6-2 2 Car EMU 2019 BR Green, small yellow panel...£130.25  
R3258 2-6-2 2 Car EMU BR Blue...£130.25  
R3259 2-6-2 2 Car EMU 2090 BR Blue, NFM Special Edition...£130.25  
R3260 2-HAL 2 Car Electric Multiple Unit, SH Green...£130.25  
R3260 2-HAL 2 Car EMU No. 2639, BR Green...£130.25

### HORNBY DCC SOUND OO LOCOMOTIVES

R3160XS Hebuilt West Country Class Steam 'Wincanton'...£274.99  
R3224TTS 4-6-2 71000 'Duke Of Gloucester' BR L/C...£139.99  
R3245TTS Peppercorn Class A1 60163 'Tomado' BR L/E...£154.99  
R3246TTS Class P2001 'Cook O' The North' LNER...£154.99  
R3247TTS Railroad Class 40 Diesel 'Emerson' of Canada...£199.99  
R3282TTS Railroad Class 40 Diesel 'Emerson' of Canada...£199.99  
R3289TTS Railroad Class 37 No. 97 301 Network Rail...£84.99

### HORNBY OO COACHES

R4174C 611 BR Gresley Sleeping Car No. 1319 LNER Tech...£61.99  
R4215C Mk2D Open 1st Coach No. E3178, BR Blue & Grey...£24.99  
**R4444A Mainsell Corridor First High Window Coach 37675G BR...£29.99**  
R4450 Railroad Mk1 Corridor Composite No. M13625 BR...£17.95  
R4452 Railroad Mk1 Brake 3rd Coach No. M34655 BR Maroon...£17.95  
R4453 Railroad Mk1 Corridor Composite No. W15162 BR...£17.95  
R4454 Railroad Mk1 Corridor 2nd SK No. W24330 BR...£17.95  
R4455 Railroad Mk1 Brake 2nd Corridor BSK No. W34888 BR...£17.95  
R4460C Mk1 Trailer First T Coach No. 41003 in F&O...**NEW £28.49**  
R4460C Mk1 Trailer First T Coach No. 41136 in F&O...**NEW £28.49**  
R4460C Mk1 Trailer Standard TS Coach No. 42144 F&O...**NEW £28.49**  
R4404A Hawksworth Passenger BR Coach W316W BR...£21.99  
R4406 Hawksworth Brake 3rd Coach W737W BR...£21.99  
R4406A Hawksworth Brake 3rd Coach W2138W BR...£21.99  
R4408A Hawksworth Composite Brake Coach W737W BR...£21.99  
R4426 Pullman 1st 'Zenobia'...£44.99  
R4426A Pullman 1st Class Open T/F Coach No. W41033 BR...£28.49  
R4426B Pullman 1st Class Open T/F Coach No. W41033 BR...£28.49  
R4463B Mk2D Open Standard Coach No. 5657 Intercity Swallow...£28.49  
R4463C Mk2D Open Standard Coach No. 5638 Intercity Swallow...£28.49  
R4464C Mk2D Standard Class Brake No. 9486 Intercity Swallow...£24.99  
R4468 Gresley Buffet Coach No. E3131E BR Blue & Grey...£39.99  
R4472 Mk3 Driving Van Trailer No. 82305 Wrexham & Shropshire...£39.99  
R4484 Pullman 2nd Class Parlor Car 64 w/working internal lights...£24.99  
R4486 Pullman 3rd Class Kitchen Car 61 w/working internal lights...£24.99  
R4499 Hawksworth 1st Class Coach W6054W BR...£21.99

R4519 Gresley Non Vestibuled Suburban 21 32078, LNER Tech...£48.49  
R4521B Gresley Non Vestibuled Suburban Coach BR...£40.25  
R4522A Gresley Non Vestibuled Suburban 3rd Brake E86136E...£40.25  
R4522B Gresley Non Vestibuled Suburban 3rd Class Brake BR...£40.25  
R4524 Railroad Brake 5121 GWR chocolate & cream...£19.49  
R4527 Railroad Restroom 9578 GWR chocolate & cream...£19.49  
R4527 Brighton Bell 1st Class Kitchen Car No. S2855 BR Blue/Grey...£49.50  
R4528 Brighton Bell 1st Class Kitchen Car No. S2815 BR Blue/Grey...£49.50  
R4531B Gresley 611t Gm Full Brake Coach No. E70418E BR...£48.99  
R4531C Gresley 611t Gm Full Brake Coach No. E70457E BR...£48.99  
R4534A Mainsell Full Push 2 Coach Pack 616 BR (S) Green...£74.99  
R4539 Northern Belle Coach No. 37939...£79.99  
R4543 Mk3 First Class Coach 11021 debranded Virgin, weathered...£28.49  
R4544 Mk3 Std. Open Coach 12045 debranded Virgin, weathered...£28.49  
R4545 Mk3 Buffet Coach No. 12045 debranded Virgin, weathered...£28.49  
R4546 Mk3 Trailer Guard Std. 44088 debranded Virgin, weathered...£28.49  
R4566 Gresley 611t Gm Corridor Brake Composite T10116E...£39.49  
R4569 Gresley 611t Gm Corridor Buffet Car No. E1915E BR...£48.99  
R4570 Gresley 611t Gm Corridor 1st Class Sleeping E1210E BR...£48.99  
R4572 Thompson Non Corridor Composite Livery 86383 LNER...£50.49  
R4574 Thompson Non-Corridor Brake 3rd 97013 LNER Tech...£38.49  
R4575 Thompson Non-Corridor Composite Livery BR...£38.49  
R4576 Thompson Non-Corridor Third Class Coach BR...£36.25  
R4577A Thompson Non-Corridor Third Class Coach...£36.25  
R4578 Thompson Non-Corridor Brake 3rd Coach BR...£36.25  
R4585 Bogie Passenger B Coach NFV No. S256 BR Blue...£28.99  
R4590 Mk3 Buffet Coach No. 40754 Midland Mainline...£28.49  
R4591 Mk3 Trailer Guard Standard 44027 Midland...£28.49  
R4592 Mk3 Buffet Coach 40355 Intercity 125 Executive...£28.49  
R4593 Mk3 Trailer Guard Standard T Coach 44011...£28.49  
R4593 Mk3 Buffet Coach No. C27021 BR Blue & Grey...£28.49  
R4603 Mk3 Buffet Coach No. W40006 BR Blue & Grey...**NEW £29.49**  
R4606 ExLMS 50R Full Brake Coach M31176M BR Blue...£28.49  
R4607 Mk1 Corridor Composite Coach S15027 BR (SH)...£36.50  
R4608 Mk1 Corridor Third Coach No. S24305 BR (SH)...£36.50  
R4609 Brake Corridor 2nd Coach BSK, BR (SH) Green...£36.50  
R4609A Brake Corridor 2nd Coach BSK, BR (SH) Green...£36.50  
R4610 MK2 Open Standard Coach No. W6555 BR...£29.99  
R4612 MK2 Open Standard Coach No. W6247 BR Blue & Grey...£29.99  
R4612 MK2 Brake Standard Open Coach No. M9499 BR...£29.99  
R4613 MK2 Open Standard Coach No. W6571 BR...£29.99  
R4614 MK2 Open First Coach No. W3226 BR...£29.99  
R4615 MK2 Brake Open Standard Coach No. M9505 BR...£29.99  
R4616 MK2 Open Standard Coach Intercity Executive...£24.99  
R4617 MK2 Open First Coach 3234 Intercity Executive...£24.99  
R4618 MK2 Brake Open Standard Coach No. 9504...£24.99  
R4619 Mk1 Parcels Coach No. M86503 BR Maroon...£24.99  
R4620 Mk1 Second Open Coach No. M4360 BR Blue & Grey...£24.99  
R4621 Mk1 Tourist Second Open Coach LSO E4542 BR...£24.99  
R4622 Railroad MK2E Open Second Coach W5660 BR...£22.99  
R4622A Railroad MK2E Open First Coach W3244 BR...£22.99  
R4623 Railroad MK2E Brake 2nd Open Coach M9501 BR...£22.99  
R4624 Railroad MK1 BG Parcels Coach No. M81389 BR...£19.99  
R4626 Railroad MK1 BG Parcels Coach BR Choc & Cream...£19.99  
R4627 Railroad MK1 Second Open SO Coach BR Maroon...£19.99  
R4628 Railroad MK1 Second Open Coach SO M4563 BR...£19.99  
R4629 Railroad MK1 Tourist Second Open LSO Coach BR...£19.99  
R4630 Railroad MK1 Tourist Second Open LSO BR (WFI)...£19.99  
R4631 MK1 1st Class Coach T/F 41023 Intercity Executive...£28.49  
R4631A MK1 1st Class Coach T/F 41024 Intercity Executive...£28.49  
R4632 MK3 Standard Open TS Intercity Executive...£28.49  
R4632B MK3 Standard Open TS 42034 Intercity Executive...£28.49  
R4633 MK3 1st Class Coach T/F No. F41063 BR Blue & Grey...£35.49  
R4633 MK3 Standard Open TS No. F42123 BR Blue & Grey...£35.49  
R4634 Railroad MK1 Tourist Second Open LSO Blue & Grey...£28.49  
R4635 MK3 Open Standard TS Coach Arriva Trains Wales...£28.49  
R4635A MK3 Open Standard TS Coach Arriva Trains Wales...£28.49  
R4635B MK3 Open Standard TS Coach Arriva Trains Wales...£28.49  
R4636 MK3 Kitchen Buffet 1st 10258 Arriva Trains Wales...**NEW £28.49**  
R4636 MK3 TGS Network Rail - New Measurement Train...£28.49  
R4637 MK3 1st Class Trailer 1st T/F Coach Midland Mainline...£28.49  
R4638A MK3 1st Class T/F Coach No. 41067 Midland Mainline...£28.49  
R4639 MK3 Standard Open TS Coach 41067 Midland Mainline...£28.49  
R4640 ExLMS Horse Box No. M422 BR Blue & Grey...£28.49  
R4641 MK3 T/F Coach No. 97581A - Network Rail...£28.49  
R4642 Mk1 BG Parcels Coach No. W6057 BR (WFI)...£24.99  
R4643 Mk1 Second Open Coach SO M4781 BR Maroon...£24.99  
R4644 Mk1 Tourist Second Open Coach TSO BR (WFI)...£24.99  
R4676 MK3 Intercity 125 Coach Pack 3 TGS/RSB/TS BR...£99.99

### HORNBY OO WAGONS/S/BUCKETS

**FOR OUR FULL RANGE VISIT WWW.KERNOWMODELRAILCENTRE.COM**  
N6540 LVA Tank Wagon No. NAC0 74007 Carross...£8.49  
N6566 20 Ton Hopper Wagon SC Grey...£8.49  
R6675 21 Ton Hopper Wagon No. B413756 BR Grey...**NEW £14.99**  
R6676 ex LMS Horse Box No. M422 BR Blue & Grey...**NEW £19.99**  
R6677 Class 60-60 No. M422 BR Blue & Grey...**NEW £19.99**  
R6682B Extra Long CCT Van No. 1247 LNER...**NEW £19.99**  
R6682C Extra Long CCT Van No. 1238 LNER...**NEW £19.99**  
R6683B ex LNER Extra Long CCT Van No. E1319E BR...**NEW £19.99**  
R6683C ex LNER Extra Long CCT Van No. E1278E BR...**NEW £19.99**  
R6685 Tank Open Wagon No. 51 Blitron Scientific Roads Ltd...**NEW £13.99**  
R6686 4 Plank Open Wagon No. 432 Coltheats Iron Co...**NEW £10.95**  
R6687 4 Plank Open Wagon No. East Walbrothe Coal Co Ltd...**NEW £10.95**  
R6688 4 Plank Open Wagon 62 Derbyshire County Council...**NEW £10.95**  
R6689 4 Plank Open Wagon 207 Arriva Granite Co Ltd...**NEW £10.95**  
R6690 5 Plank Open Wagon No. 91 James & Co Exeter...**NEW £10.95**  
R6701 5 Plank Open Wagon No. 564 Locomot & Sons...**NEW £10.95**  
R6702 5 Plank Open Wagon No. 12 Scottish Gas Board...**NEW £10.95**  
R6703 5 Plank Open Wagon No. 19 H.G. Parker & Sons...**NEW £10.95**  
R6704 7 Plank Open Wagon No. 1409 Hickleton Mill Colliery...**NEW £10.95**  
R6705 HAA MGR Hopper Wagon No. 35139 Railfrith...**NEW £23.99**  
R6706 HAA MGR Hopper Wagon No. M42089 BR Crimson...**NEW £19.99**  
R6707 HAA MGR Hopper Wagon No. M422 BR Blue & Grey...**NEW**

371-287 55 Deltic "Prince of Wales's Own Regiment Yorkshire".....£93.99
<b>372-135 Class 3 4-6-0 No. 5020 LMS Black.....£84.99</b>
372-181 Princess Coronation "Duchess of Hamilton" BR.....£127.99
372-182 Princess Coronation "City of Birmingham" BR.....£127.99
372-183 Princess Coronation "City of Coventry" BR.....£127.99
372-185 Princess Coronation "City of Bradford" BR.....£127.99
372-186 Princess Coronation Class "Duchess of Norfolk".....£127.99
372-400 J39 No. 1856, LNER Black, Flat Sided Tender.....£79.99
372-402 J39 No. 64960, BR Black, E/F, flat sided tender.....£79.99
372-402 J39 No. 84791, BR Black, E/F, stepped tender.....£79.99
372-403 J39 No. 64841 BR Black L/C.....£84.99
372-425 WD Austerity Class No. 90732 "Vulcan" BR Black E/F.....£109.99
372-427 WD Austerity Class No. 90201 BR Black L/C, weathered.....£122.99
372-480 Jubilee Class No. 5664 Nelson LMS Crimson.....£110.99
372-481 Jubilee Class Steam 45572 "Eire" BR L/C weathered.....£118.99
372-625 Ivatt Class 2MT 2-6-0 No. 46521 BR Green L/C.....£97.99
372-626 Ivatt Class 2MT 2-6-0 No. 46440 BR Black E/F.....£97.99
372-727 Ivatt Class 2MT 2-6-0 No. 6404 LMS Green.....£118.99
372-728 BR Standard Class 5MT No. 73068, BR Green, L/C.....£106.99
372-728 BR Standard Class 5MT No. 73158, BR Black, L/C.....£106.99
372-727 BR Standard Class 5MT 73082 "Camelot" BR, E/F.....£106.99
372-728 BR Standard Class 5MT No. 73014, BR Green, L/C.....£109.99

**GRAHAM FARISH N WAGONS**

FOR OUR FULL RANGE VISIT [WWW.KERNOVMODELRAILCENTRE.COM](http://WWW.KERNOVMODELRAILCENTRE.COM)  
 373-355C 100 Ton TEA Bogie Tank Wagon No. 8731 Shell, w/whrd...£16.00  
 373-575E 46 Ton GWR M/A Open Mineral Wagon No. 39126 EWS...£9.50  
 377-575C 102 Ton GLW H/A Bulk Coal Hopper Wagon, GHRH (VTG)...£16.99  
 377-577A 102 Ton GLW H/A Bulk Coal Hopper Wagon, GHRH Coal...£16.99  
 377-700 JJA M2 Auto-Roller Generator Unit, Hailtrack.....£19.99

**DAPOL N LOCOMOTIVES**

20-003-000 WD Loco D1005 "Western Venture" BR Blue.....£97.99
20-003-001 WD Loco D1029 "Western Legionnaire" BR Maroon.....£97.99
20-003-002 WD Loco D1038 "Western Sovereign" BR Green.....£97.99
20-003-002 WD D1038 "Western Sovereign" DCC Fitted.....£119.99
20-003-003 WD D1056 "Western Sultan" DCC Fitted.....£97.99
20-003-003 WD D1056 "Western Sultan" DCC Fitted.....£97.99
20-003-004 WD D1058 "Western Nobleman" BR full yellow end.....£119.99
20-003-004 WD D1058 "Western Nobleman" DCC Fitted.....£117.99
20-003-005 WD D1072 "Western Glory" BR Blue full yellow end.....£99.99
20-003-005 WD D1072 "Western Glory" DCC Fitted.....£117.99
20-003-006 WD D1065 "Western Consort" BR small yellow panel.....£99.99
20-003-006 WD D1065 "Western Consort" DCC Fitted.....£119.99
20-003-007 WD D1012 "Western Firebrand" BR small yellow panel.....£99.99
20-003-007 WD D1012 "Western Firebrand" DCC Fitted.....£119.99
20-003-008 WD D1000 "Western Enterprise" BR, weathered.....£99.99
20-003-008 WD D1000 "Western Enterprise" DCC Fitted.....£119.99
20-003-009 WD D1045 "Western Viscount" full yellow ends w/whrd.....£99.99
20-003-009 WD D1045 "Western Viscount" DCC Fitted.....£119.99
20-003-010 WD D1062 "Western Courier" BR full yellow ends, w/whrd.....£99.99
20-003-010 WD D1062 "Western Courier" DCC Fitted.....£119.99
20-003-011 WD D1039 "Western Invader" BR small yellow panel.....£99.99
20-003-011 WD D1039 "Western Invader" DCC Fitted.....£119.99
20-004-005 Class 56 No. 56 070 BR Blue.....£109.99
20-004-006 Class 56 No. 56 070 BR Blue - DCC Fitted.....£128.99
20-004-007 Class 56 No. 56 090 BR Large Loco Blue.....£109.99
20-004-008 Class 56 No. 56 056, Trainload Construction.....£109.99
20-004-009 Class 56 No. 56 105 Colias Rail.....£109.99
20-004-009 Class 56 No. 56 105 Colias Rail - DCC Fitted.....£129.99
20-007-001 Class 66 Diesel No. 66 103 "Suez" GWR MSC.....£82.99
20-007-002 Class 66 Diesel No. 66 504 Freightliner Powerhaul.....£82.99
20-007-003 Class 66 Diesel No. 66 177 EWS with white roof.....£82.99
20-007-003 Class 66 Diesel No. 66 177 EWS - DCC Fitted.....£101.99
20-007-004 Class 66 Diesel No. 66 612 "Forth Raider".....£82.99
20-010-003 Arriva Trains Wales Train Pack.....£144.99
20-012-000 Class 22 Diesel No. 6326, BR Blue - DCC Fitted.....£135.99
20-012-001 Class 22 Diesel No. 6318, BR Blue w/full yellow ends.....£119.99
20-012-001 Class 22 Diesel No. 6318, BR Blue - DCC Fitted.....£135.99
20-012-002 Class 22 Diesel 6320 BR Green, small yellow ends.....£116.99
20-012-003 Class 22 Diesel D6319 BR Gm, small yellow panels.....£116.99
20-012-003 Class 22 Diesel No. D6319 BR Green DCC Fitted.....£135.99
20-012-004 Class 22 Diesel D6319 BR Gm, small yellow panels.....£116.99
20-012-004 Class 22 Diesel No. D6319 BR Green, DCC Fitted.....£135.99
20-012-005 Class 22 Diesel D6331 BR Green, small yellow panels.....£116.99
20-012-005 Class 22 Diesel D6331 BR Green, DCC Fitted.....£135.99
20-012-007 Class 22 No. D6325, BR Blue, weathered.....£115.99
20-012-008 Class 22 Diesel No. D6311 BR Green.....£115.99
20-012-008 Class 22 Diesel No. D6311 BR - DCC Fitted.....£135.99
20-012-009 Class 22 Diesel No. D6316 BR Green.....£121.99
20-012-009 Class 22 Diesel No. D6316 BR - DCC Fitted.....£141.99
20-012-010 Class 22 Diesel No. D6326 BR Green.....£115.99
20-012-010 Class 22 Diesel No. D6326 BR - DCC Fitted.....£135.99
20-012-011 Class 22 Diesel No. D6327 BR Green.....£115.99
20-012-011 Class 22 Diesel No. D6327 BR - DCC Fitted.....£135.99
20-012-012 Class 22 Diesel No. 6330 BR Blue, weathered.....£115.99
20-012-012 Class 22 Diesel 6330 BR w/whrd - DCC Fitted.....£135.99
20-012-013 Class 22 Diesel No. D6315 BR Green, weathered.....£121.99
20-012-013 Class 22 Diesel D6315 w/whrd - DCC Fitted.....£141.99
20-012-014 Class 22 Diesel No. D6328 BR Blue.....£115.99
20-012-014 Class 22 Diesel D6328 BR Blue - DCC Fitted.....£135.99
20-018-001 Hymek Diesel No. D7061 BR Blue.....£85.99
20-018-001 Hymek Diesel No. D7061 BR Blue, DCC Fitted.....£105.99
20-018-002 Hymek Diesel No. D7026 BR Blue, weathered.....£99.99
20-018-002 Hymek Diesel D7026 BR Blue - DCC Fitted.....£119.99
20-018-003 Hymek Diesel No. D7013 BR Green.....£85.99
20-018-003 Hymek Diesel D7013 BR Green, DCC Fitted.....£105.99
20-018-006 Hymek Diesel D7035 BR Blue, unpowered.....£37.99
20-001-000 Manor Class 4-6-0 7810 "Draycott Manor" BR.....£109.99
20-001-000 Manor Class "Draycott Manor" DCC Fitted.....£129.99
20-001-001 Manor Class 4-6-0 7801 "Anthony Manor" GWR.....£109.99
20-001-001 Manor Class "Anthony Manor" DCC Fitted.....£129.99
20-006-003 14XX Steam No. 1456 BR, 14700th Ann. W1919W.....£69.99
20-007-000 0-6-0 57xx Pannier Tank No. 571 GWR Green.....£65.99
20-007-004 0-6-0 57xx Pannier Tank No. 471 GWR Green.....£65.99
20-007-005 0-6-0 57xx Pannier Tank No. 197 London Transport.....£65.99
20-007-006 0-6-0 57xx Pannier Tank No. 3702 BR Black L/C.....£65.99
20-007-007 0-6-0 57xx Pannier Tank No. 4607 BR Black E/F.....£65.99
20-007-008 0-6-0 57xx Pannier Tank No. 5764 GWR Green.....£65.99
20-007-009 0-6-0 57xx Pannier Tank No. 5724 GWR Green.....£65.99
20-007-010 57xx Pannier Tank No. 8700 GWR Green.....£65.99
20-007-010 57xx Pannier Tank No. 8700 GWR Green - DCC Fitted.....£85.99
20-007-011 57xx Pannier Tank No. 6746 GWR.....£65.99
20-007-011 57xx Pannier Tank No. 6746 GWR - DCC Fitted.....£84.99
20-007-012 57xx Pannier Tank No. 5764 GWR Green.....£65.99
20-007-012 57xx Pannier Tank No. 5764 GWR Green - DCC Fitted.....£84.99
20-007-013 8750 Pannier Tank No. 9744 GWR Green.....£65.99
20-007-013 8750 Pannier Tank No. 9744 GWR Green - DCC Fitted.....£84.99
20-008-000 A4 Steam No. 60019 "Biltem" BR Green L/C.....£111.99
20-008-000 A4 Steam 60019 "Biltem" BR Green L/C - DCC Fitted.....£131.99
20-008-001 A4 Steam 60012 "Commonwealth of Australia" BR.....£109.99
20-008-001 A4 Steam No. 60012 BR, E/F - DCC Fitted.....£129.99
20-008-003 A4 Steam 60004 "William Whitelaw" LNER Garter Blue.....£109.99
20-008-003 A4 Steam 60004 "William Whitelaw" - DCC Fitted.....£129.99
20-009-004 28xx Class Steam No. 2884 GWR Green.....£114.99
20-009-005 28xx Class Steam No. 3819 GWR Green.....£114.99
20-009-005 28xx Class Steam 3819 GWR - DCC Fitted.....£134.99
20-009-006 28xx Class Steam No. 3846 BR Black E/F.....£114.99
20-009-006 28xx Class Steam No. 3846 - DCC Fitted.....£134.99
20-009-007 28xx Class Steam No. 3822 BR L/C.....£114.99
20-009-007 28xx Class Steam No. 3822 BR - DCC Fitted.....£134.99
20-010-000 Hall Class 4937 "Lanely Hall" GWR Lined Green.....£109.99
20-010-000 Hall Class 4937 "Lanely Hall" GWR Lined Green - DCC Fitted.....£129.99
20-010-001 Hall Class 4951 "Pendeford Hall" BR Lined Green L/C.....£109.99
20-010-002 Hall Class 4914 "Cranmore Hall" BR Green L/C.....£109.99
20-010-002 Hall Class 4914 "Cranmore Hall" BR - DCC Fitted.....£129.99
20-010-003 Hall Class Steam 4958 "Priory Hall" GWR Green.....£109.99
20-010-003 Hall Class Steam 4958 "Priory Hall" GWR Green - DCC Fitted.....£129.99
20-012-001 0-6-0 Terrier Steam No. 83 "Earlwood" Stroudley.....£59.99
20-012-003 0-6-0 Terrier Steam No. 32670 BR Lined Black L/C.....£59.99
20-013-001 Class 9F 2-10-4 Steam 92088 BR Black L/C.....£99.99
20-013-001 Class 9F 2-10-4 Steam 92088 BR Black L/C - DCC Fitted.....£119.99
20-013-002 Class 9F 2-10-4 92226 BR Black L/C BHTC Lined.....£99.99
20-013-002 Class 9F 2-10-4 92226 BR Black L/C - DCC Fitted.....£119.99
20-013-003 Class 9F Steam 92220 "Evening Star" weathered.....£99.99
20-013-003 Class 9F Steam 92220 "Evening Star" - DCC Fitted.....£121.99
20-013-004 Class 9F Steam 92052 BR Black E/F BHTC Tender.....£99.99

20-013-004 Class 9F Steam 92052 BR Black E/F - DCC Fitted.....£119.99
20-013-005 Class 9F Steam Loco 92006 BR Black E/F w/whrd.....£99.99
20-013-005 Class 9F 92006 BR E/F w/whrd - DCC Fitted.....£129.99
20-014-001 Class 45xx Steam Loco No. 4518 GWR Green.....£55.99
20-014-002 Class 45xx Steam Loco No. 4528 BR Black E/F.....£55.99
20-014-003 Class 45xx Steam Loco No. 4571 BR Black.....£55.99
20-014-004 Class 45xx Steam Loco 4566 GWR Green, weathered.....£59.99
20-015-001 w/whrd 2-6-2 Steam Loco No. 1208 LMS Black.....£55.99
20-015-002 w/whrd 2-6-2 Steam Loco No. 41273 BR Black E/F.....£55.99
20-015-003 w/whrd 2-6-2 Steam Loco No. 41231 BR Black L/C.....£55.99
20-015-004 w/whrd 2-6-2 Steam Loco 41310 BR Black E/F weathered.....£59.99
20-016-001 M7 0-4-4 Steam 250 Southern Bulleid Green.....£55.99
20-016-002 M7 0-4-4 Steam No. 30126 BR Black E/F.....£55.99
20-016-003 M7 0-4-4 Steam No. 30253 BR Black L/C.....£55.99
20-016-004 M7 0-4-4 Steam No. 30 Southern Bulleid, weathered.....£59.99
20-017-002 Britannia Class TMT 70099 "Alfred the Great" NEW £110.99
20-017-002 Britannia 7MT "Alfred the Great" DCC Fitted NEW £130.99
20-017-003 Britannia Class TMT 70015 "Apollo" BR E/F NEW £110.99
20-017-003 Britannia 7MT 70015 "Apollo" DCC Fitted NEW £130.99
20-017-004 Britannia Class TMT 70021 "Morning Star" BR NEW £110.99
20-017-004 Britannia 7MT "Morning Star" DCC Fitted NEW £130.99
20-017-005 Britannia 7MT 70025 "Western Star" w/whrd NEW £118.99
20-017-005 Britannia "Western Star" w/whrd DCC Fitted NEW £138.99
ND079F B17 2863 "Evertown" LNER Apple Green.....£100.95
ND099M Class 86 No. 86 401 NSE.....£99.99
ND099N Class 86 No. 86 261 EWS.....£99.99
ND099P Class 86 No. 86 606 Grey Freightliner.....£99.99
ND099Q Class 86 No. 86 637 Freightliner Powerhaul.....£99.99
ND101F Class 67 No. 67 024 EWS.....£97.99
ND101H Class 67 No. 67 030 EWS Maroon.....£97.99
ND101J Class 67 No. 67 024 EWS.....£97.99
ND103E Class 58 No. 58 021 Mainline Blue.....£91.99
ND103F Class 58 No. 58 017 Mainline Blue.....£107.99
ND103G Class 58 No. 58 027 Trainload Grey.....£91.99
ND103H Class 58 No. 58 040 Unbranded Grey.....£91.99
ND103J Class 58 No. 58 033 "Pavlo" BR Lined Green.....£94.99
<b>ND11E Class 43 Network Rail Speed Rail Pack.....£89.99</b>
ND112A Class 156 2 Car DMU No. 156 468 Northern Hall.....£98.95
ND113A Class 156 2 Car DMU 156 444 Northern Hall - non powered.....£94.95
ND113B Class 156 2 Car DMU Regional Railways - non powered.....£49.95
ND114H Platinum Class 153 DMU 153 360 Northern Transpennine.....£99.99
ND119C 121 DMU un-powered W55029 BR Blue Set 129.....£42.99
ND119D 121 DMU un-powered 55028 Network SouthEast.....£44.99
ND122E HST Class 43 Book Set, Grand Central.....£148.99
ND122G HST Class 43 Book Set, Cross Country.....£148.99
ND122J Class 43 Virgin HST Book Set - DCC Ready.....£148.99
ND122L Class 43 HST Bookset, East Midlands Trains.....£148.99
ND128C 4-6-2 A4 Class Steam No. 60021 "Wild Swan" BR L/C.....£109.99
ND128E A4 Steam Loco. 60016 "Silver King" BR Lined Green E/F.....£111.95
ND128F A4 Steam Loco. 60016 "Silver King" - DCC Fitted.....£131.95
ND128G A4 60005 "Sir Charles Newton" BR Lined Green L/C.....£111.95
ND128H A4 60005 "Sir Charles Newton" BR - DCC Fitted.....£131.95
ND128H A4 No. 8 "Dwight D Eisenhower" LNER DCC Fitted.....£131.95
ND129G 4-6-2 A3 No. 60056 "Papyrus" LNER Apple Green.....£111.95
ND129G 4-6-2 A3 No. 60059 "Papyrus" LNER Apple Green.....£111.95
ND129C 4-6-2 A3 Class No. 60079 "Raymond" BR Lined Green E/F.....£111.95
ND129E A3 Steam No. 60070 "Gladiator" BR Green E/F.....£111.95
ND129F A3 Steam No. 60070 "Gladiator" as above - DCC Fitted.....£131.95
ND129G A3 Steam No. 60106 "Flying Fox" BR Green L/C.....£111.95
ND129H A3 Steam No. 60106 "Flying Fox" as above - DCC Fitted.....£131.95
ND129G A3 Steam No. 2744 "Grand Parade" LNER Green.....£111.95
ND129J A3 Steam "Grand Parade" as above DCC Fitted.....£131.95
ND129H A3 No. 60094 "Colorado" BR Lined Green E/F.....£111.95
ND129H A3 60094 "Colorado" BR Green E/F - DCC Fitted.....£131.95
ND145F Class 26 26 026 BR Blue-Snowploughs/headcode disks.....£91.99
ND145G Class 26 No. 26 040 BR Blue - DCC Ready.....£91.99
ND145GJ Class 26 No. 26 040 BR Blue - DCC Fitted.....£111.99
ND145H Class 26 No. D5307, BR Green - headcode disks.....£91.99
ND145J Class 26 No. D5307, BR Green - headcode disks.....£91.99
ND205A Class 27 Diesel No. D5356, BR Green.....£99.99
ND205AD Class 27 Diesel No. D5356, BR Green - DCC Fitted.....£117.99
ND205D Class 27 Diesel No. D5351, BR Green - DCC Fitted.....£117.99
ND205C Class 27 Diesel No. 27 008, BR Blue.....£97.99
ND205CD Class 27 Diesel No. 27 008, BR Blue - DCC Fitted.....£117.99
ND205D Class 27 Diesel 27 032, BR Blue with full yellow ends.....£97.99
ND205DD Class 27 Diesel 27 032 as above - DCC Fitted.....£117.99
ND207B 01 0-6-0 Steam Loco No. 33011 BR Black E/F.....£99.99
ND207C 01 Steam Loco 0-6-0 C1 in Southern Black livery.....£99.99
ND207D 01 Steam Loco 0-6-0 C7 in Southern Black livery.....£97.95
ND209B Class 122 Single Car DMU 122 100 Regional Railways.....£97.99
ND209C Class 122 Single Car DMU No. TD8975023 BR Blue.....£97.99

**DAPOL N WAGONS/VANS/TRUCKS**

2F-010-001 JNA Falcon NLU29003 Hwrc Rail Ballast Wagon NEW £18.99
2F-010-002 JNA Falcon NLU29012 Hwrc Rail Ballast Wagon NEW £18.99
2F-010-003 JNA Falcon NLU29047 Hwrc Rail Ballast Wagon NEW £18.99
2F-010-004 JNA Falcon NLU29064 Hwrc Rail Ballast Wagon NEW £18.99
2F-045-001 IOA Merlin Ballast Wagon No. 705992 002-3 NEW £19.99
2F-045-002 IOA Merlin Ballast Wagon No. 705992 014-8 NEW £19.99
2F-045-003 IOA Merlin Ballast Wagon No. 705992 021-3 NEW £19.99
2F-045-004 IOA Merlin Ballast Wagon No. 705992 026-2 NEW £19.99
<b>DAPOL N COACHES</b>
2P-000-001 Collett Corridor Composite Coach No. W7016 BR.....£19.00
2P-000-002 Collett Composite Coach No. 7064 GWR.....£19.99
2P-000-101 Collett Corridor 2nd Class Coach No. W1117 BR.....£19.00
2P-000-152 Collett Corridor Third Coach No. 1094 GWR.....£19.99
2P-000-251 Collett Corridor Brake Composite Coach GWR.....£19.99
2P-005-004 B Set Twin Coach Pack - GWR Shirlburn.....£22.99
2P-005-000 M3 Trailer First Coach No. 41103 First Great Western.....£19.99
2P-005-032 M3 2nd Class Coach TS E42187 BR Blue & Grey HST.....£19.99
2P-005-403 Mk3a TS Trailer Standard Class Coach 12135 Virgin.....£19.99
2P-005-510 Mk3a Buffet Coach 10259 Arriva Trains Wales.....£20.99
2P-005-520 Mk3a Trailer Standard TS 12179 Arriva Trains.....£20.99
2P-011-051 Gresley Corridor Second Coach E12283E BR.....£20.99
2P-011-151 Gresley 1st Class Coach E11032E BR.....£20.99
2P-011-351 Gresley Buffet Coach E9129E BR.....£20.99
2P-012-001 Maunsell Corridor 1st Class SR Maunsell Gm NEW £21.99
2P-012-002 Maunsell Corridor 1st Class SR Maunsell Gm NEW £21.99
2P-012-051 Maunsell Brake 3rd Class SR Maunsell Green NEW £21.99
2P-012-052 Maunsell Brake 3rd Class SR Maunsell Green NEW £21.99
2P-012-100 Maunsell Corridor 3rd Class SR Maunsell Gm NEW £21.99
2P-012-101 Maunsell Corridor 3rd Class SR Maunsell Gm NEW £21.99
2P-012-151 Maunsell Corridor Composite SR Maunsell Gm NEW £21.99
2P-012-152 Maunsell Corridor Composite SR Maunsell Gm NEW £21.99
2P-012-200 Maunsell Passenger Brake Van SR Maunsell NEW £14.99
2P-012-201 Maunsell Passenger Brake Van SR Maunsell NEW £14.99
2P-012-251 Maunsell Coach Set 469 SR Lined Olive Green NEW £79.99
NC226R Mk3 Trailer First F Coach No. 45002, Cross Country.....£20.99
NC226G Mk3 TS Coach No. 42283, Intercity with buffers.....£19.00
NC227A Mk3 TS No. 42341 East Midlands Trains (HST) Coach.....£20.99
NC227C Mk3 Trailer Standard TS 42284 Intercity with buffers.....£19.00

We stock **DYNAMIS Woodland Classics** **PRO OXFORD** & more! Visit our website for our full range [www.kernovmodelrailcentre.com](http://www.kernovmodelrailcentre.com)  
 Postage to the EU is at cost. Rest of World may incur VAT & add postage at cost. Please include phone number with postal orders.  
**SHOP HOURS: MON - SAT. 09.30-17.00 SUN. 10.00-16.00**  
**PRICES CORRECT AT TIME OF PRINTING**

**DECODER FITTING SERVICE**

We do a decoder fitting service for OO & N Gauge DCC Ready Locomotives.....£9.99  
 If you have other locos you are interested in having fitted with a decoder or sound please phone or email us for a quote.  
 ESU LokSound Digital Decoders with South West Digital Sounds.....£94.99

**HORNBY**  
**BARGAIN HORNBY STEAM LOCOMOTIVES**



R3106 Hornby Class 28XX Steam Loco No. 2807 GWR as preserved. DCC Ready. WAS...£149.99 NOW...£99.99



**MORRIS MODELS**  
NORTH LANCING

80 Manor Road, N Lancing,  
West Sussex, BN15 0HD  
Tel 01903 754850  
[www.morris-models.co.uk](http://www.morris-models.co.uk)  
[info@morrismodels.co.uk](mailto:info@morrismodels.co.uk)

We are between Brighton & Worthing, just off A27 west of Shoreham Airport

50 Years  
1964-2014

Celebrate our 50<sup>th</sup>  
Anniversary with our  
Exclusive Limited  
Edition Wagon  
Lisher & Sons Lancing #50

MM-001 - OO Gauge  
MM-002 - N Gauge  
£12.95 each  
+ £3.20 pp

See our website for new  
Special Offers added each week

**BICYC-LED**  
OO/HO & N  
Cycles & M/cycles  
with working  
lights!!  
See our webshop  
for details

Easy free parking!!  
Open Mon - Sat  
9.30 to 5.00

**BRITISH RAILWAYS**  
HORNBY  
PECO  
Graham Farish  
Graham Farish

**CONTINENTAL RAILWAYS**  
FLEISCHMANN Roco  
BRUNO TRIX

PLUS MANY OTHER RANGES OF SCENIC  
MATERIALS, BUILDINGS, VEHICLES etc

**Mercian Models**

Locomotive, coach and wagon kits  
in scales ranging from HO to Gauge 1.

**GWR 14XX/58XX in 7mm,  
10mm and 1/32 scales**

Kits available in HO, OO, 0 and Gauge 1.  
Kits available in 3.5mm to 10mm scales -  
send for a list of availability or visit our new  
website at [www.mercianmodels.tv](http://www.mercianmodels.tv)

1a Market Way, Hagley, Stourbridge DY9 9LT  
email: [mercianmodels@hotmail.co.uk](mailto:mercianmodels@hotmail.co.uk)

**PARKWOOD**  
Manufacturers of fine quality display cases and cabinets  
Designed for the purpose built to last

**OO/HO Store & Stack (Small & Large)**

Two robust storage systems able to provide long-term protection and storage for your 'OO' HO7 collection. The cases are of a sturdy stackable design with a detachable lid held in place by two snap on handles.

There are four "fit out" Polyethylene Foam Inserts for the "Large" case and two inserts for the "Small" case, each insert is machined to house 5 coaches or locos with Tender. Insert slot length for the "Large" case is 340 mm, and 352 mm for the "Small" case.

Foam fill strips are provided with each case and these may be cut to a suitable length and pressed into the slots to form pockets to house wagons and shorter rolling stock.

A soft foam pad in the lid of each case prevents the movement of the inserts during transit.

**Storage capacity**  
Large Case, 20 Coaches or Locos with Tenders.  
Small Case, 10 Coaches or Locos with Tenders.

**Online Price**  
Store and Stack Small £69.98  
Store and Stack Large £106.82 (inc. VAT and P&P)  
Visit [www.parkwood-arts.co.uk](http://www.parkwood-arts.co.uk)

Parkwood Arts Ltd, Foxfield Green, Nr. Petersfield Hants. GU32 1DJ  
Tel. 01730 266151 Fax. 01730 265866 Email. [sales@parkwood-arts.co.uk](mailto:sales@parkwood-arts.co.uk)

[www.wicormodels.com](http://www.wicormodels.com)

7 West Street, Portchester, Hampshire PO16 9XB  
Tel: 023 9235 1160

9 The Precinct, West Meads, Bognor Regis PO21 5SB  
Tel: 01243 837 941

email: [mail@wicor-models.co.uk](mailto:mail@wicor-models.co.uk)

Stockists of a range of products from: Hornby, Bachmann, Dapol, Gaugemaster, Graham Farish, Parkside Dundas, Peco, Corgi, EFE, Oxford Diecast, Scalextric, Airfix, Humbrol, Expo Tools and many others.

Portchester open Monday to Saturday 09:00 to 17:00,  
Bognor Regis open Tuesday to Friday 10:00  
to 17:00 and Saturday 09:00 to 13:00

Visit → [scalescenes.com](http://scalescenes.com)  
Download → Print → Build

The home of quality  
downloadable card  
model railway kits  
since 2005

**NEW Low  
Relief Factory**  
Available in five  
different brick  
colours ONLY £3.99

Wide range  
of doors

Card kits  
that pass  
closer  
inspection

View our  
large range of  
N and OO kits  
and texture  
sheets

Optional loading  
dock and awning

Buy once unlimited prints

[scale scenes.com](http://scalescenes.com)

**THE MODEL RAILWAY SHOP**

New & Used MODEL RAILWAYS  
• Bought • Sold • Part Exchanged  
• Free Service, pay only for parts

Specialising in back catalogue  
and hard to find items  
Genuine Model Railway Enthusiast since 1953

**10% off** to Hornby magazine readers valid for the month of March 2015  
- on surrender of this advert  
We also have a one pound box and one pound tree box

Email: [modelrailwayshop@hotmail.co.uk](mailto:modelrailwayshop@hotmail.co.uk)  
Tel: 01977 706730 24 Helpline: 07940 368316  
30 Station Lane, Featherstone WF7 5BE

Resin & brass etch N & OO  
models available from stock.  
NEW 3D printing service  
& products available.

**NEW 3D**

**Peedie Models**  
Tel: 01856 252510  
www.peediemodels.com

Resin and brass etch kits  
www.peediemodels.com

Mail orders welcome

VISA  
MasterCard  
PayPal

Trade orders welcome

We support [www.toury.org](http://www.toury.org)

Trade enquiries welcome on some ranges

**THE HOBBY SHOP**  
Est. 1988  
Tel. 01795 531666  
[www.hobb-e-mail.com](http://www.hobb-e-mail.com)

WEST S<sup>1</sup> Faversham, Kent, ME13 7JB  
SMS Text no. 07889 818727

BACHMANN, BREKINA, BUSCH, DAPOL, FLEISCHMANN, HELJAN, HERPA, HORNBY, IWATA, METCALFE, PECO, PREISER, RATIO, REALTRACK, ROCO, SUNDEALA and much more

**MODEL RAILWAY SOLUTIONS**

Tel: 01202 798068  
 Email: [info@modelrailwaysolutions.co.uk](mailto:info@modelrailwaysolutions.co.uk)

Contact us for a quote on all your baseboard and helix requirements, either bespoke or from our own modular range.

Please take a moment to browse our online store or visit us at -  
 Unit 1, 10-12 Alder Hills, Poole. Dorset. BH12 4AL.

[www.modelrailwaysolutions.co.uk](http://www.modelrailwaysolutions.co.uk)

## Model Railway Baseboards

Any size board built for any scale model railway

We manufacture standard sized layout boards as well as any size required to your specification



Fixed, portable or modular boards for indoor & outdoor use

We also stock larger scale loco storage boxes & hardwood loco display plinths

01223 864029

[www.model-railway-baseboards.co.uk](http://www.model-railway-baseboards.co.uk)

**LCUT CREATIVE**

"High quality products using British materials. All our kits are proudly made in Britain."

[WWW.LCUT.CO.UK](http://WWW.LCUT.CO.UK)

### SCRATCH BUILD AID

### SIGNAL BOX SERIES



FROM £2.49

FROM £5.99

Visit our website to see full range of products and spare parts

**NEW!**

## Fiona's Greasy Spoon Roadside Cafe

OO / 4MM / 1:76

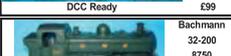
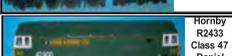
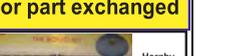
- ★ Instant download .pdf
- ★ Pre-weathered finish
- ★ Ideal for car parks & lay-bys
- ★ Glazed windows
- ★ Detailed interior with fridge, counter & menus

Download Today For Only £2.49! Also Available Pre-Printed!

**modelrailwayscenery.com**  
 Tel: 01530 456952

[www.Classicrail.co.uk](http://www.Classicrail.co.uk) of Ticehurst

New & Second Hand Railway Centre in Sussex

 Margaret Rose Hornby R2226 Princess £59	 City of Edinburgh—DCC Ready Hornby R3111 £80	 IXION—DCC Ready Bachmann 32-700Z Class 46 £80
 Princess Elizabeth—Gold Ltd Edition Hornby R2215 Princess £130	 Tornado—DCC Ready Hornby R3070 £60	 Leicestershire Reg—DCC Ready Bachmann 31-210 Patriot £75
 Blue Peter Bachmann 32-127 45xx Tank £145	 45xx Tank Bachmann 32-127 £55	 Express Parcels Lima 205143 £35
 William Cookworthy DCC Ready Bachmann 32-780Z Class 37 £95	 Midland Compound Bachmann 31-933 £99	 Class 55 Tulyar 55015 Bachmann 32-525V DCC Ready £75
 Wilderbeeste Bachmann 31-703 £45	 8750 Bachmann 32-200 £45	 Days of Red & Gold Set Hornby R2907 £199
 Daniel Appleby Hornby R2453 Class 47 £75	 D5218 DCC Ready Bachmann 32-326z Class 25 £100	 Flying Scotsman Set Hornby 31439 £25
 Royal Scots Grey Bachmann 55-022 DCC Ready £110	<b>Locomotives and rolling stock of all types and gauges purchased or part exchanged</b>	
 R2128 Class 37 £95	 Lima Class 47 Merdlin Envys £35	 Hornby R1038 Orient Express Set £220
 Lima Class 37 Intercity £25	 Porterbrook 47817 £30	 Hornby Sir Sagamore New £130
 Derby RTC Livery Bachmann 31-425z Class 24 £100	 Bachmann 32-225V Class 3P £75	 Hornby Sir Sagamore New £130
 Hornby LMS Black 5 £45	 Bachmann 32-402Z Tamworth Castle £85	

Where are we ???  
 32a High St Ticehurst E Sussex TN15 7AS  
 Tel 01580 200400  
[www.classicrail.co.uk](http://www.classicrail.co.uk)  
 open Tuesday to Saturday 10.00 — 5.0

Postage £4.00 Loco box £7.95 train setpack box Items not new unless otherwise stated

**Roxey MOULDINGS**

58 Dudley Road, Walton-on-Thames, Surrey KT12 2JU Tel: 01932 245439

Online Shop: [roxeymouldings.co.uk](http://roxeymouldings.co.uk)  
 VISA/Mastercard/Maestro/Switch accepted

Frecclesham-Newport MRS

Loco Kits in 4mm & 7mm Scales  
 Coach Kits in 4mm & 7mm Scales  
 Wagon Kits in 4mm & 7mm Scales  
 Wheels & Accessories in 4mm & 7mm  
 Mashima Motors & Gearboxes for 4mm & 7mm  
 Tenshodo Motor Bogies & Motors  
 Ixion 0 Gauge Locos  
 Markits/Romford Wheels & Accessories  
 Price List A5 SAE

Coach Kits in 0 & 00 Gauges

Earlestown has deep routes within the history of today's modern railway. Home to the Vulcan foundry where such engines as Deltics and LMS engines were built, the Viaduct Wagon Works where freight wagons were built and more recently, Earlestown has become home to Sawyer Models.

Opened in May 2014, Andrew Sawyer welcomes Loco enthusiasts from across the nation. With a full DCC installed working layout, Sawyer Models provides a great selection for advanced collectors and for those who are just getting started.

Situated on Bridge Street, Sawyer Models are OPEN Monday to Wednesday and Friday to Saturday 10am to 5pm CLOSED Thursdays and Sundays with FREE parking throughout Earlestown and only a 2 minute walk from Earlestown train station.

27 Bridge Street, Earlestown, Newton-Le-Willows, Merseyside, WA12 9BE  
 01925 227835 [info@sawyermodels.co.uk](mailto:info@sawyermodels.co.uk) [www.sawyermodels.co.uk](http://www.sawyermodels.co.uk)

Also find us on:  
 Facebook: [sawyermodelsearlestown](https://www.facebook.com/sawyermodelsearlestown) and also on: Twitter @SawyerModels



# ANCORTON<sup>®</sup> MODELS

QUALITY MODELLING MADE EASY

[www.ancortonmodels.com](http://www.ancortonmodels.com)



## Laser cut wood kits for OO scale buildings



OOFH2  
Derelict house kit £22.00



OOTC1  
Tudor cottage kit £16.50



OOST7 Waiting room / cafe kit £12.50



OOTG1  
Terraced Garages kit £10.50



OOFH1  
Country house kit £19.75



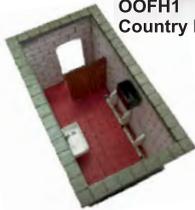
OOH2  
Cottage kit £19.00



OOH3  
Fisherman's cottage kit £14.00



OOYO1  
Yard office kit £8.50



OOTB1  
Platform toilet block kit £11.00



OOWB1  
Weigh bridge kit £11.00



OODP1  
WWII pill box kit £7.70



OOLB2  
Platelayers hut kit £7.50



## -THE GCR- MODEL EVENT

MODEL RAILWAY & ENGINEERING EXHIBITION  
In conjunction with The Soar Valley Model Railway Club

Fri 19th to Sun 21st June 2015  
Over 60 Layouts

OPEN  
10AM - 5PM  
Friday & Saturday  
10AM-4PM  
Sunday

**Tickets: £15**

Includes all day travel & entrance to all exhibition venues  
Book online at [www.gcrailway.co.uk](http://www.gcrailway.co.uk)

Across all 4 stations along the GCR  
35,000 sq ft Exhibition hall  
All gauges/scales  
40 plus traders  
60 plus layouts  
10 demo layouts  
Engineering

Travel on the real thing between stations  
Get up close to life sized exhibits

Refreshments available at all stations

**GREAT CENTRAL RAILWAY**

[www.gcrailway.co.uk](http://www.gcrailway.co.uk)



Great Central Railway Plc,  
LE11 1RW  
T: +44(0)1509 632323  
[www.gcrailway.co.uk](http://www.gcrailway.co.uk)  
email: [mre@gcrailway.co.uk](mailto:mre@gcrailway.co.uk)

# The Epsom Show 2015

**Saturday April 25<sup>th</sup>**  
10.00am—5.30pm

**Sunday April 26<sup>th</sup>**  
10.00am—5.00pm

Adults £7—under 16's free

**NESCOT**

REIGATE ROAD (A240), EWELL, KT17 3DS

Large **FREE** Car Park— Close to Ewell East Station



www.eemrc.org.uk

## Exhibits

Presenting a range of 16 inspirational layouts from N Gauge, to O Gauge, including Hospital Gates (O Gauge), Plumpton Green (P4), New Hey (EM), Hinksey Yard (N)

## Traders

ACE Products	Dart Castings	Plus Daughters
Addlestone Models	Dougal's Den	Priory Books
ALL Components	Eileen's Emporium	Railwayania
Bluebell Railway	Freestone Model	Roger Carpenter
Branchlines	Accessories	Photos
Ceynix Miniature Trees	Minx Microdrives	Roxey Mouldings
C&L Finescale	N Brass Locos	South Eastern Finecast
d.c. Kits & D & E Videos	Peter Dunk	Wealistic Models

**EPSOM & EWELL MODEL RAILWAY CLUB**

SouthWest  
**digital**

Distributor  
for the UK



As real as it gets!



Photos: Chris Perkins

**ALL products come with a 2 year warranty and FREE return postage**

Close your eyes and you're there!

**UDRIVE**

responsive sound algorithm

The highest quality sounds in all gauges. A wide range of responsive steam and diesel sounds developed for the all new **UDRIVE**

Crystal clear digital sound



Test drive the latest loco sounds with stunning clarity at SWD – call now for more info

T: 01934 515382

info@swd4esu.co.uk

**www.southwestdigital.co.uk**

# THE LONDON FESTIVAL OF RAILWAY MODELLING



ALEXANDRA PALACE, N22 7AY

In Association with The Model Railway Club

**SAVE THE DATE!**

**28TH & 29TH MARCH 2015**

**SAVE £1.00**

WHEN BOOKED ONLINE IN ADVANCE

## LONDON'S BIGGEST & BEST

40 WORKING BRITISH, EUROPEAN AND INTERNATIONAL LAYOUTS | BRM VILLAGE WITH INTERACTIVE ACTIVITIES | 100+ EXHIBITORS | PLUS SPECIALIST ITEMS | FREE EXPERT DEMONSTRATIONS

Kindly sponsored by



**BOOK YOUR TICKETS TODAY: WWW.MODEL-RAILWAYS-LIVE.CO.UK**

OR CALL 01778 391123 (Mon-Fri 9am-5pm)

Booking closes 20<sup>th</sup> March 2015

**ADULT: £12.00 - CHILD £6.00 - FAMILY: £36.00**

SAVE £1.00 WHEN BOOKED ONLINE **BRM** SUBSCRIBERS SAVE £2.00

**FREE PARKING AND SHUTTLE BUS SERVICE**

In association with



MODEL RAILWAYS LIVE



# **WANTED**

## **MODEL RAILWAY & COLLECTABLES**

### **Top Prices Paid**

*For all makes, all  
gauges and live steam,  
aeroplane kits, boats,  
die cast etc.*

### **Instant cash paid**

*Will travel to collect*



**01945 429252**  
**07723 336344**  
**email: [dbmodels@live.com](mailto:dbmodels@live.com)**

28c Europa Way, Wisbech, Cambs, PE13 2TZ

# YouChoos DCC Sound

**LET'S MAKE SOME NOISE!**  
...with the biggest range of  
authentic British sounds  
on the best decoders

Did you know, we also make lamps, lighting, connectors and lots more?

Seuthe Smoke	Lit Buffers	Firebox Glow	Coach Lighting
Mini Connectors	Passengers	Stay-Alives	Loco Lamps

**0844 7725052**  
www.YouChoos.co.uk john@youchoos.co.uk

MODEL TRAINS & ACCESSORIES

# RAILWAY CONDUCTOR

Also Die Cast - Radio Controlled - Toys - Etc...

**T.01604 830722 M.07961 757094**  
www.therailwayconductor.co.uk

## The Railway Conductor

Unit 2 The Old Dairy Craft Centre  
Upper Stowe  
Nr Weedon off A5  
Northamptonshire, NN7 4SH

We sell all makes, models and accessories.  
We accept pay pal through our online shop.

**NEW SHOP OPEN,  
NEW AND USED OO GAUGE  
SOLD AND BROUGHT.  
MAIL ORDER AVAILABLE  
VISIT US ON OUR EBAY SHOP  
AND ONLINE**

Sponsored by Sponsored by Supported by 47th Annual

# BRISTOL MODEL RAILWAY EXHIBITION

2015 THORNBURY LEISURE CENTRE, ALVESTON HILL,  
Thornbury, BRISTOL, BS35 3JB

Friday 1st May 1pm - 7pm  
Saturday 2nd May 10am - 6:30pm  
Sunday 3rd May 10am - 5pm

Advanced ticket Prices  
Adults £5.25.  
Concessionary £4.25.  
Children £3.00  
Family (2 Adults with 2 Children £10.50)

Parkway Show bus tickets £3.00 return  
(Accompanied Children under 16 travel for free)

Advanced show and bus tickets are available now by post  
Bristol Model Railway Exhibition  
c/o 15 Mount Pleasant,  
Littleham,  
Bideford,  
Devon  
EX39 5HW  
Closing date for advanced ticket  
applications Fri 24th April 2015

or in person at  
Modelmania, Bristol  
Cheltenham Model Centre  
Lord and Butler, Cardiff

**FREE PARKING** at Leisure Centre.  
Thornbury 6 miles from jct 16 on M5 A/jct 1 on M48  
Bus service to & from Bristol Parkway Station.

All parts of the Exhibition accessible to  
Wheelchair users.

For door prices and further information call 0117 9763329  
or check [www.bristolmodrailex.co.uk](http://www.bristolmodrailex.co.uk)

ASSOCIATION OF MODEL RAILWAY CLUBS, WALES & WEST OF ENGLAND LTD

**EXPERIENCE THE ULTIMATE IN CONTROLLER TECHNOLOGY**

**£69**  
PLUS £4.00 P&P

**£115**  
PLUS £6.00 P&P

**£69**  
PLUS £4.00 P&P

**£129**  
PLUS £6.00 P&P

Fully tested and guaranteed for 5 years

The Vortrak four track and Vector twin track for 00/HO/N/009 (1amp per track), the Vesta N twin track is dedicated N gauge, the Vanguard for O gauge is twin track (2.5amp per track). Each controller has state of the art design, offering very best performance capability. Slow and fast speeds are superb. Internal separate transformers for each track from 220/240 AC mains. The Vector and Vesta for N also have 2 x Hand Held controllers with 2.5mtr leads plus a 12V DC accessories output, the Vortrak and Vanguard each have 2 x 5mtr Hand Held's plus the Vortrak 2 x 12V DC accessories and the Vanguard 1 x 12V DC accessories. Each controller has a sloping front desk type dark grey enclosure. On board CDU for point motors.

For full details or to order online visit  
**www.morleycontrollers.com**  
 (Secure order site)

or telephone Morley Controllers on 01704 533 116  
 (Overseas enquiries +44 1704 533 116)

**Morley Controllers – Choose the best!**



PO Box 501, Southport, PR9 9ZL  
 Email enquiries: [jet@morleycontrollers.com](mailto:jet@morleycontrollers.com)



Also at PO Box 1230, Wangara BC, Perth, Western Australia 6947. Tel: (08)930 56358. <http://aus.morleycontrollers.com>

**Cambridge Model Railway Club**



**Railway Exhibition**

**Saturday 18th April 2015**  
**Sawston Village College**

Cambridge CB22 3BP

10am-4pm

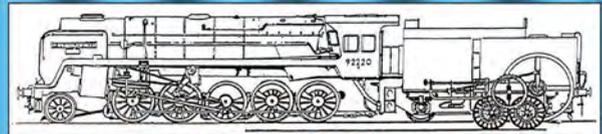
Last Admission 3:30pm

**Admission Charges**

Adults	£4.00
Concessions	£3.00
Accompanied Children	£2.00
GROUPS WITH 2 OR MORE CHILDREN, 1 CHILD FREE	

Layouts, Traders, Refreshments, Large FREE Car Park

[www.cambridge31a-mrc.org.uk](http://www.cambridge31a-mrc.org.uk)



Members of:



**“The National Collection in Miniature” Series**



Exclusive Edition  
 Advanced Passenger  
 Train Experimental



Interior detail of Trailer Car



Pre-order by 30th April 2015, to ensure delivery in Autumn 2015.

Available exclusively from:

[www.locomotionmodels.com](http://www.locomotionmodels.com) the NRM's on-line model shop  
 or the **Locomotion** museum shop in Shildon **Tel: 01388 771439**



# SPECIAL OFFER

## EVERLASTING ILLUSTRATED CATALOGUES

**LIMITED PERIOD UP TO £5 OFF**  
 All the quoted prices include the Catalogue offers and the appropriate packing & postage

**PRICE LIST ONLY FREE** off our website or send a cheque/PO payable to **FOX TRANSFERS LTD** UK £1.90 Europe £4.60 Outside Europe £5.50



**TRANSFERS AND ETCHED PLATES**

**www.fox-transfers.co.uk**

All three volumes of the 4mm/00 Heritage Pre-1968 Everlasting Illustrated Catalogue PLUS the Steam Loco Nameplate list PLUS a copy of the latest 4mm/00 Descriptive Price List  
**Ref FC4HSO for 4mm/00 Heritage - £5 OFF**  
 UK INLAND First Class Mail • Was £21.90 - Now £16.90  
 EUROPE Airmail • Was £24.50 - Now £19.50  
 OUTSIDE EUROPE Airmail • Was £29.50 - Now £24.50

Both volumes of the 4mm/00 Modern Post-1968 Everlasting Illustrated Catalogue PLUS the Diesel and Electric Loco Nameplate list PLUS a copy of the latest 4mm/00 Descriptive Price List  
**Ref FC4MSO for 4mm/00 Modern - £4 OFF**  
 UK INLAND First Class Mail • Was £17.20 - Now £13.20  
 EUROPE Airmail • Was £19.20 - Now £15.20  
 OUTSIDE EUROPE Airmail • Was £23.20 - Now £19.20

1 volume of the 1:76 scale BUS AND ROAD VEHICLE Everlasting Illustrated Catalogues PLUS a copy of the latest Descriptive Price List  
**Ref FC4B for 1:76 SCALE - £2 OFF**  
 UK INLAND First Class Mail • Was £9.45 - Now £7.45  
 EUROPE Airmail • Was £9.90 - Now £7.90  
 OUTSIDE EUROPE Airmail • Was 11.25 - Now £9.25

All three volumes of the 7mm/0 Combined Eras Everlasting Illustrated Catalogues PLUS a copy of the latest 7mm/0 Descriptive Price List of transfers and etched plates  
**Ref FC7FSO for 7mm/0 - £5 OFF**  
 UK INLAND First Class Mail • Was £19.50 - Now £14.50  
 EUROPE Airmail • Was £21.50 - Now £16.50  
 OUTSIDE EUROPE Airmail • Was £23.90 - Now £18.90

2 volumes of the 2mm/N Combined Eras Everlasting Illustrated Catalogues PLUS a copy of the latest 2mm/N Descriptive Price List of transfers and etched plates  
**Ref FC2FSO for 2mm/N - £2 OFF**  
 UK INLAND First Class Mail • Was £14.50 - Now £12.50  
 EUROPE Airmail • Was £17.00 - Now £15.00  
 OUTSIDE EUROPE Airmail • Was £20.00 - Now £18.00

**CALLERS BY APPOINTMENT ONLY**  
 FOX TRANSFERS LTD, DEPT HHP, 4 HILL LANE CLOSE  
 MARKFIELD INDUSTRIAL ESTATE, MARKFIELD,  
 LEICESTERSHIRE LE67 9PN ENGLAND

TEL +44 (0)1530 245618  
 LOW COST FOR UK LANDLINES 0844 815 9711

EMAIL [sales@fox-transfers.co.uk](mailto:sales@fox-transfers.co.uk)  
 or visit our **NEW** website

# FMR FRIZINGHALL MODELS & RAILWAYS

The Modeller's Choice

**Light it with FMR's Model-IT Range of working 00-gauge Lights**

2 x Pendant Lamps £3.99 <i>(in buildings, under canopies etc)</i>	Victorian Lamp £2.79 Choice of red, blue or green 70mm high	2 x Gas Lamps £2.99	Yard Lamp £6.99 110mm high
Double Lamp £2.99 Choice of red, blue or green 70mm high	Swan Neck Lamp (BR/GWR) £2.69 45mm high	Swan Neck Lamp £2.69 50mm high	Swan Neck Street Lamp £2.69 45mm high
Colour Light Signals Home £6.99 Home/Distant £7.99 Ground Home £4.99 Ground Home/Distant £5.99	Modern Side Street or Platform Lamp £2.69 75mm high	Modern Main Street or Platform Lamp £2.79 Adjustable up to 100mm high	
Wall Mount Electric/Gas Lamp £1.99	2 x Wall Mount Gas Lamps £4.49		

**Now in N-gauge:-**

Curved Street or Platform Lamp (green, blue or red) £2.39 (45mm High)	Modern Street or Platform Lamp £2.79 (45mm High)	Swan Neck Street Lamp £2.99 (30mm High)	Swan Neck Lamp GWR/BR £2.99 (30mm High)
---	--	---	---

**Peco Turntables**

Turntable Kits  
 "00" £46.50 (LK-55)  
 "N" £15.50 (NB-55)

Motor Drive Kits  
 "00" £22.99 (TTD00)  
 "N" £15.50 (TTDN)

Manual Drive Kits

Kit2 (up to 12" from baseboard edge to turntable centre. Fits "00" or "N".....£24.95  
 Kit2a Extension (increases Range To 25")...£4.99  
*Well Type - requires sinking into baseboard.*  
 Motor & manual kits are specifically for Peco turntables and provide no means of setting track alignment but the slow operation allows visual alignment. Full instructions provided.

**NEW** Freight Yard or Car Park Flood Light £7.99 (115mm High)

**Real world shop!!**  
 We are one of the longest established model shops in the north.  
 We have years of experience to go with our vast choice. Why not pay us a visit?

**Airbrush/Compressor Deal £95.00**  
 Compressor - low noise, auto-stop  
 Airbrush - double action gravity feed  
 Hose - braded 1.8m

**Spray Booth £79.99**  
 Folds for storing

We offer a range of **FMR Model Services** for the modeller:  
 Locomotive Service/Repair, Decoder fitting, Re-number/name Weathering  
 Contact us for more details or visit our store.

**DCC Sound fitting**  
 Want a sound in your loco? Then we can help. We can fit most Diesel types with (Legomanbiff) sound decoders

Postage : up to £25 order value is £2.99, over £25 value is £4.99

**UNIT 3C, HILLAM ROAD, BRADFORD, W.YORKS, BD2 1QN**  
 Tele: 01274 747447 Fax: 01274 739680 [www.modelrailshop.co.uk](http://www.modelrailshop.co.uk)  
 Payment by credit/debit card or cheque



[www.invictamodelrail.com](http://www.invictamodelrail.com)

## NOW IN - Exclusive Bachmann 00 Gauge CCT Vans



39-5502 Maroon £29.99

Also available in alternate liveries – See website for full details

In Stock, Call 0208 302 7774 Or Online [www.invictamodelrail.com](http://www.invictamodelrail.com)

Invicta Model Rail Ltd, 130 Station Road, Sidcup, Kent. DA15 7AB Telephone - 0208 302 7774.



# Isle of Man

A superb tour to the charming Isle of Man, with three full days of varied excursions to the island's old fashioned towns, pretty fishing ports and breathtakingly picturesque coastline on the different historic railways.

**Itinerary** (for full details visit [www.raildiscoveries.com/MXS](http://www.raildiscoveries.com/MXS))

**Day 1: Meet in Heysham, Lancashire**, for the afternoon ferry to the Isle of Man. Arriving into Douglas, you transfer to the 3\* Ascot Hotel, located 100 yards from the seafront, for a five-night stay.

**Day 2: Travel to the summit of the island's only mountain today.** Begin with a journey along Douglas promenade by historic horse-drawn tram<sup>1</sup>, then board an electric train to the fishing village of Laxey. Here, you join the Snaefell Mountain Railway to the peak of Snaefell, where on a clear day England, Wales, Ireland and Scotland are visible.

<sup>1</sup>Please note that the horse drawn trams do not operate on the early May & late September departures.

**Day 3: Today's excursion is to the fishing port of Peel.** You break the journey with a call at Tynwald Hill in St John's to see the Church of St John and the Tynwald Exhibition. In Peel you have some free time; perhaps visit Peel Castle or the House of Manannan - entrance to both is included on the Heritage Explorer Pass. Then travel by coach from Peel across the island, along some of the famous TT race course on the way to Ramsey. From here enjoy a journey on the Manx Electric Railway to Douglas. At 17 miles, the railway is the longest narrow-gauge vintage line in the British Isles, and is powered by the world's oldest working tramcars.

**Day 4: Enjoy an excursion on the Isle of Man Steam Railway**, the island's oldest rail system. The steam-hauled journey passes old-fashioned fishing ports and small towns on its way to Port Erin. Here you board a coach for a tour of the headland overlooking the Calf of Man, then travel to Castletown, the island's ancient capital. Castle Rushen dominates the town and is worth a visit

during your time here, as are the Nautical Museum and the Old House of Keys.

**Days 5-6: You have the day free** to explore the island, using your included Explorer pass for travel on the local trains and buses. On Day 6 you leave Douglas on this morning's ferry, and arrive back into Heysham just after midday.



Departures	Price	Departures	Price
9 May 15*	£600	16, 30 Jul 15*	£640
14 May 15*	£630	6 Aug 15*	£650
13, 18 Jun 15*	£650	19 Sep 15	£585
27 Jun 15*	£650	24 Sep 15	£575
11 Jul 15*	£650		

\*Price includes room upgrade. Only upgrade price currently available. Please call for details.

**Book now** or request a brochure  
**01904 730 568**  
[www.raildiscoveries.com](http://www.raildiscoveries.com)

**DISCOVER:** the port of Peel, sometimes known as 'the only city on the island', so called for being the home of the Isle of Man's only cathedral.

6 DAYS FROM  
**£575**

Included in the price:

- ✓ Fully escorted by a UK Tour Manager
- ✓ 5 nights' hotel accommodation with breakfast
- ✓ Centrally located hotel
- ✓ 5 dinners
- ✓ Excursions on the Snaefell Mountain Railway & the Manx Electric Railway
- ✓ Visit to Peel
- ✓ Journey on the Isle of Man Steam Railway and visit to Castletown
- ✓ Travel Passes: We include an Explorer Pass and a Heritage Explorer Pass, for use on free days and during excursions
- ✓ All tour itinerary admission costs

**9.7**  
 out of 10

Score based on 310 reviews\*

reevo

\*Score correct on 18/02/15



**BOOK WITH 100% CONFIDENCE**

FLIGHT-INCLUSIVE HOLIDAYS ARE ATOL PROTECTED. NON FLIGHT-INCLUSIVE HOLIDAYS ARE FINANCIALLY PROTECTED BY ABTA.

Dates and prices are subject to availability. Prices shown are per person, based on 2 people sharing. Prices may change prior to and after publication. Itinerary may differ depending on the departure date you choose - please call for details. Terms and conditions apply. Calls will be recorded. Please be aware that the order/inclusion of excursions may be different, subject to confirmation of Isle of Man's rail schedule for 2015.

**Illustrated Catalogues Including Post**

00/009 (1/78th) Full Colour £5  
 N (1/148th) In Colour Full Colour £5  
 O (1/143rd) In Colour Full Colour £4  
 Mail Order By Return P+P £4, over £40 Post Free  
 Unpainted metal kits glue with epoxy glue (£5.75)

**LANGLEY MODELS**

166 Three Bridges Road, Crawley, Sussex, RH10 1LE  
 Tel: 01293 516329 Fax: 01293 403955 www.langleymodels.co.uk



**OO SCALE**  
 Cricket Game Figs £9.15 Sight Screen  
 £7 Portable Score Board £4.10 Railway  
 Crane Rapper £30.45 loads of kits in  
 our illustrated colour catalogue or on  
 website



5 6 1950's Station figs guards fat controller porter etc	£ 5.50	Waterline Buoys & Deep water markers	£ 4.90
6 ass Gravestones, Pick shovel and lamp holders	£ 5.50	Paint' Vic/Edw railway/platform figs/totems	£ 23.40
Canadian Canoe and 2 paddling figs	£ 5.95	Painted Vic/Edw Upper Class 10 figures	£ 23.40
Canadian Canoe padding and resting figure	£ 5.95	Painted Vic/Edw Working Class 10 Figures	£ 23.40
3 Deep-sea Divers, 2 helpers, compressor	£ 5.85	Painted Vic/Edw Seated 10 figures	£ 23.40
3 x Kids' R.C. Toys, 1 adult launching plane	£ 5.50	Painted 3 different Victorian Pillar Boxes	£ 7.15
8 Kids, 4 with skateboards, 2 rollerskates	£ 5.50	Painted Marching Guards	£ 22.00
1 x Windsurfer and figure	£ 4.45	Painted Rustic Bus Shelter and Stop	£ 13.20
3 Surfers, 2 surfing one waxing board	£ 5.50	Painted 3 Modern Pillar Boxes	£ 7.80
4 Hunting figs & 2 'gun dogs' with pheasant	£ 5.50	Painted Horse Trough	£ 6.05
6 Assorted People with Umbrellas	£ 5.55	Painted 2 x Village Water Pumps	£ 5.60
8 Assorted Ambulance/Paramedics	£ 6.55	Painted Single Head Traffic Light	£ 6.05
2 Assorted Mobility Scooters and Figs	£ 5.70	Painted Twin Head Traffic Light	£ 6.35
Council/Municipal Figure and rubbish cart	£ 4.40	Painted Police Telephone box (resin)	£ 13.40
Older/Fruit Press Figure and demijohns	£ 5.10	Painted Hunt Scene 2 mounted riders	£ 9.40
C.C.T.V. Cameras (3 wall and 1 post mounted)	£ 4.60	Painted Hunt Scene 6 Assorted Hounds	£ 8.35
5 Policemen in various positions	£ 4.75	Painted Cricket Game 15figs	£ 31.50
Assorted Agricultural Tools & Equipment	£ 4.00	Painted Morris Dancers	£ 25.20
Ass Industrial Tools & Equipment	£ 4.00	Painted Loco Spotters(3) & 8 Kids	£ 25.20
Platform Machines (tickets chocolate weighing scales)	£ 5.50	Painted Lych Gate	£ 12.35
Ind Machine, Mill & Pillar Drill	£ 5.95	Painted Church Notice Board & Crucifix	£ 9.95
Ind Machine Lathe & vertical sander	£ 5.95	Painted War Memorial	£ 9.95
Ind Machine Fly Press & Pillar Tool Grinder	£ 5.15	Painted Gardeners (4 figs and equipment)	£ 12.10
2 Wheelchairs Patients and 2 pushing	£ 5.10	Painted Blacksmith and equipment	£ 36.50
Scuba Diving Equipment	£ 4.65	Painted 4 Soldiers Marching	£ 9.25
Scuba Divers / frogman x 4	£ 4.95	Painted 1 Officer for Above	£ 5.20
Vertical Boiler & Steam Water pump/tywheel	£ 14.95	Painted 1 Mounted Officer	£ 5.20
Vertical Boiler only	£ 5.10	Painted 6 Sitting Figures	£ 13.20
Gargoyles and water spouts/outlets	£ 5.35	Painted 6 x Standing Figures set 1	£ 13.20



**N Scale Kits Fairground**

Waltzer Ride £64.70 Lots of Side  
 stalls & snack vans, fairground

**lorries and trucks**



Rifle Range- Side Stall	£ 10.70	70R Steam Coaster "Puffer"	£ 35.75
Hall of Mirrors - Side Stall	£ 10.70	70L Steam Coaster "Puffer" waterline	£ 27.75
Laughing Clowns - Side Stall	£ 10.70	Working Men 1 on Ladder & 1 on trestle	£ 4.30
Darts - Side Stall	£ 10.70	8 Pigs	£ 3.20
Card Darts - Round Stall	£ 10.70	8 Sheep	£ 3.20
Hoop La - Round Stall	£ 10.70	10 Chickens	£ 3.20
Hook a Duck - Round Stall	£ 10.70	2 Shire Horses	£ 2.65
Roll A Penny - Round Stall	£ 10.70	Pub/Cafe Scene	£ 5.55
Waltzer Ride	£ 64.70	Funeral Scene	£ 4.10
Motorising for Waltzer/Noahs Ark	£ 20.95	White Wedding Scene	£ 4.25
Noah's Ark Hide	£ 64.70	Crickets Game Figures	£ 5.95
Coronation Speedway Ride	£ 64.70	Crickets Sight Screen and Scoreboard	£ 5.95
12 Car Ely Wheel (Big Wheel Scene)	£ 68.60	2 Horse Plough and Ploughman	£ 4.60
Big Wheel Motorising	£ 15.25	15 ass Loco Lamps (square/round/guard)	£ 2.65
Fish & Chip / Burger Trailer	£ 4.60	30 shell vents (extra detailing for coaches)	£ 2.65
European Freight Ship	£ 29.65	20 torpedo vents (extra detail for coaches)	£ 2.65
86ft River Cargo Barge	£ 28.95	Ass Loco Vacuum Pipes	£ 2.65
126ft Road/Rail Transport Ferry	£ 57.75	Childrens Playground & figures	£ 8.65
5 x assorted Rowing Boats	£ 11.15	Church Lych Gate	£ 4.55
Fishing Trawler "Shrim Cutter"	£ 28.95	Church Notice Board & Crucifix	£ 3.70
Passenger Ferry Boat	£ 31.40	Forresters saw horse set and axe	£ 4.30
47ft Tug and 60ft flat bottom Barge Set	£ 22.05	6 Large (50 gallon) Oak Barrels	£ 3.70
56ft Launch and Pontoon Set	£ 21.00	Water Butt and 5 Tubs	£ 3.70
75ft "Tid" Class Tug Boat	£ 35.75	12 Wharfedale Bollards	£ 3.70
75ft "Tid" Class Tug Boat Waterline	£ 27.75	Lifebelts & Stands	£ 3.70

**Olivia's Trains of Sheffield**

'OO' Gauge UK DCC Sound Specialists. **HORNBY** 25a Mansfield Rd, Intake, S12 2AE

Extensive UK sound library utilising the Loksound decoders.  
 DCC/ Sound Fitting Whilst You Wait.

Heljan Class 58 Available- 8 Versions.  
 Available Now. 37605 DRS Compass.

Bachmann Class 66 111 Available Now!  
 32-381P- 37418 "East Lancs Railway  
 EWS Livery- Coming Soon.

Heljan EM2 Class 77 / EM1 Class 76 Available Now.  
 Heljan "Kestrel" Available Now.

Dapol Class 73's Pre-order Now (Due 2015)  
 '141 First GBRf  
 '205 GBRf '207 Gat Ex.

Class 13 BR Blue or Green. Available To Order.  
 Heljan "Falcon"  
 In Stock- 4 Versions.



For More details on the above & all our stock visit:

[www.oliviastrains.com](http://www.oliviastrains.com)

Tel: 0114 3216 160 Tel: 0114 2647 449 Mob: 0755 7126 651

e-mail: [oliviastrains@blueyonder.co.uk](mailto:oliviastrains@blueyonder.co.uk) **HELJAN**



**Up to 25% off C&L/Carr's during March**  
**TRACK, KITS, BALLAST & FLUXES**

<b>ALSO - CHECK OUT OUR PECO PRICES - BIG DISCOUNTS</b>	
<b>N Gauge, 00 Setrack &amp; Streamline, O Gauge, SM-32, G-45 &amp; Gauge 1</b>	
<b>C&amp;L Flexitrack – SALE prices</b>	<b>PECO – sample prices</b>
<b>OO, EM, P4</b> (Hini Nickel Silver of Steel) Box of 25 lengths of 1 x metre. Normally £121 Now 25% off – <b>only £90.75.</b> One metre <b>£4.40</b> (instead of £5.50)	<b>Our normal low prices!</b> <b>'OO'</b> - SL100 or SL100F - Box c.100 or c.75 flexi wood - <b>£63.95</b> SL80 Single slip c. 100 <b>£26.95</b> SLE192 Small Radius c.75 <b>£9.95</b> LK55 Turntable <b>£38.95</b> LK32 Tunnel <b>£7</b> LK33 Bridge <b>£7</b> <b>'N'</b> - SL300F 1 x yard c.55 - <b>£2.85</b> SL300 1 yard c. 55 - <b>£2.60</b> Code 55 SLE380F Single Slip <b>£29.95</b> SLE399F 3-way <b>£25.95</b> <b>'O'</b> - SL700BH Box code 124 - <b>£67</b> SL700FB Box c.143 - <b>£70.00</b> SLE791/2 'O' Med t/outs <b>£37.95</b>
<b>O (F7)</b> (Hini Nickel Silver of Steel) Box of 8 lengths of 1 x metre. Normally £55 Now 25% off – <b>only £41.25.</b> One metre <b>£6.30</b> (instead of £7.90)	See website or phone for full list
<b>Carrs' – sample of SALE prices</b>	
<b>Baseboard Alignment Dowels</b> Usually £8 – <b>now £6.50</b>	
<b>Ballast</b> our own make with scale sized pieces Light/Dark Grey, 2mm, 4mm, or 7mm <b>Large</b> (usually £9) <b>now £6.75</b> <b>Small</b> (£5.50) <b>now £4.40</b>	

**Build your own C&L track? SALE 20% OFF 'KITS'**  
 We supply 'easy to build' Turnouts Kits. Ideal for beginners (no soldering)  
 Parts 'ready made' – just glue kit together for prototypical looking turnout.  
 Full range includes Straight & Curved, also D/Slips & 3 Way in OO, EM, P4 & O.

**NEW – N Gauge** Build your own flexi or turnouts A5/B6/B8/Diamond

Visit our Shop at:  
 Aran Lodge, Severn Rd.  
 Hallen, BRISTOL, BS10 7RZ  
 Mon – Thursday 9am – 4pm

**C&L Finescale Modelling**  
[www.finescale.org.uk](http://www.finescale.org.uk) Tel: 01179 505 470

**Easy-Fit Sound & Lighting**  
 Add real sound & lighting to your layout!

**NEW Automatic Coach Lights for any Coach**  
 Easy fit - motion activated - no wiring, no pickups, no flickering



Now Available in N!  
 Now Available in N & OO - from under £20 complete

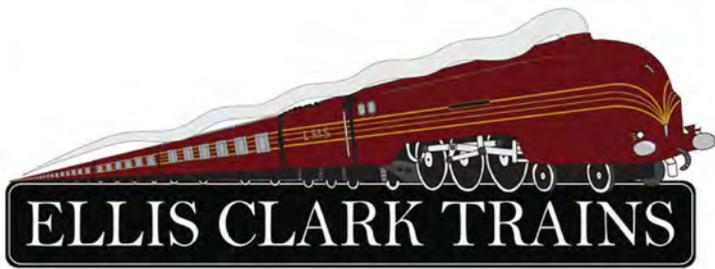
**NEW Fit real sound in your train - only £40!**  
 Tiny motion controlled sound capsule and battery - no wiring



Works on both DC & DCC! Steam, Diesel, Goods...  
 Easy Fit - no wiring, no Pickups, no Switches, no Soldering  
 Ask for free guide to fitting SFX Sound into N gauge

Available direct from [www.dcpexpress.com](http://www.dcpexpress.com) & model shops  
 Order by 3pm for same day First Class despatch

**Train-Tech** Model Technology Made Easy  
**FREE BROCHURE FREE**  
 DCP Express  
 Bryon Court  
 Bow Street  
 Great Ellingham  
 NR17 1JB, UK  
**01953 457800 / www.Train-Tech.com**  
 £4 UK P&P - but this month quote HBY415 for £2 off postage!



Ellis Clark Trains  
Unit 13 Baildon Mills  
Northgate, Baildon  
Shipley, West Yorkshire  
BD17 6JX



# WANTED

Top prices paid for your collections  
of model railways, diecast & tinsplate

- ✓ Call, email or post a list
- ✓ All makes, gauges and ages considered
- ✓ British, Continental and American
- ✓ All gauges of kit/scratch built and live steam
- ✓ Diecast and tinsplate cars, lorries, buses, planes, soldiers
- ✓ Happy to travel nationwide and view or collect
- ✓ Large collections a speciality
- ✓ Friendly and professional service



T 01274 809317  
M 07799 554491  
E [ellis@ellisclarktrains.com](mailto:ellis@ellisclarktrains.com)  
W [ellisclarktrains.com](http://ellisclarktrains.com)

NEW  
e-commerce  
website  
coming soon

**York's Magnetic Mates**

Architectural Detailing  
0, 00 and N scale

Precision laser cut architectural detailing. Tiles, windows, doors, headers, valances, brackets, steps, etc. Plus kits and tools.

**Fences & Gates**  
NEW PRODUCTS

**New Tiles**

**Church Windows**

**Cable Drums**

Find us on Facebook

[www.yorkmodelmaking.co.uk](http://www.yorkmodelmaking.co.uk)

Alternatively send a large SAE for 0, 00 or N scale price lists to 01904 400358  
York Modelmaking, Unit 13, Bull Centre, Stockton-on-Forest, York, YO32 9LE

**SALE SALE SALE SALE SALE SALE SALE SALE**

HORNBY:		BACHMANN:		DAPOL N	
R2843	907 Maunsell Grn ..... £91.00	31-001	63601 BR Late ..... £92.00	ND-0990	86425 RES ..... £72.00
R2844	30934 BR Early ..... £91.00	31-002	63635 BR Early ..... £92.00	NND-1036	58027 M'line Grey.. £75.00
R3098	60163 BR Green ..... £94.00	31-012	53810 BR Late (W) .. £105.00	ND-114C	153333 Central ..... £80.00
R3144A	D5829 BR Green ..... £127.00	31-319	64311 J11 BR Early .. £65.25	ND-114H	153360 Northern ..... £80.00
		31-997	10001 BR Green ..... £89.00	ND-125	66305 Fastline..... £63.00
				ND-135C	6910 BR ..... £79.00
				ND-205C	27008 BR Blue ..... £84.25
				ND-209B	55000 Regional ..... £78.00
					All subject to availability
					UK P & P from £3.95 per order

We also stock 00 & N gauge from Bachmann, Base Toys, Britbus, Classix, Dapol, Dornaplas, EFE, Farish, Gaugemaster, Heijan, Hornby, Humbrol, Kestrel, Metcalfe, Modelscene, Oxford Diecast, P. Dundas (N), Peco, Plastruct, Ratio, Superquick, Wills, Woodland Scenic & Deluxe Materials.

**ONLINE SHOP [www.churchstreetmodels.co.uk](http://www.churchstreetmodels.co.uk)**

Mon-Sat 09.30-17.30 • Closed Tues, Suns & Bank Hols

Church Street Models, 10A, Church Street, Basingstoke, Hants, RG21 7QE

01256 358060 • Mail Order Welcome

**Finescale MODEL WORLD**

**We may be banana's ..... but we're certainly not nuts!**

**fmr** Static Grass Applicators & Starter Kits from £25.99 + p&p

See website for more info

**FREE GIFT with all orders in April**

[www.finescalemodelworld.co.uk](http://www.finescalemodelworld.co.uk) ☎ 01902 650077

**HARBURN HAMLET**  
Accessories 'Ready to Place'

CG251 Soft Fruit Plot £15.50

CG250 Vegetable Plot £13.25

Harburn Hobbies, 67 Elm Row, Edinburgh EH7 4AQ  
Order by Phone: 0131 556 3233. Online: [www.harburns.co.uk](http://www.harburns.co.uk)

CG224 Pigeon Loft £9.50

CG232 (brick) £8.95

Anderson Shelters CG233 (wood) £8.95

SS342 Police Box £7.80

SS340 Phone Box £7.25

SS343 AA Box £7.25

SS335 RAC Box £7.25

CG249 Garden arbour seat £8.55

CG238 Hen House £9.95

CG230 Two Animal Shelters £8.95

CG253 Allotment with hut £16.75

CG257 Plot with cloches and bean wigwams £16.75

CG252 Allotment with shed £16.75

CG239 Beekeeper and 4 hives on scenic base £17.50

SS310 trees (2) £4.75

SS316 barrel £5.95

SS323 tub £5.95

P&P £3.00 per order

**Fast Approaching Sale Dates**

**Saturday 28th March 2015 Vintage Train Sale**

**Friday 17th April 2015 Model Train Sale**

For further information regarding these sales visit [vectis.co.uk](http://vectis.co.uk)

Telephone 01642 750616 - 01993 709424 (Oxford office)

Fax 01642 769478 - email [admin@vectis.co.uk](mailto:admin@vectis.co.uk) - [www.vectis.co.uk](http://www.vectis.co.uk)

**VECTIS AUCTIONS**, FLECK WAY, THORNABY, STOCKTON-ON-TEES, TS17 9JZ

Dates are correct at time of print but are subject to change - please check [www.vectis.co.uk](http://www.vectis.co.uk) for updates

**HORNBY**

**Vectis AUCTIONS LTD**  
COLLECTABLE TOY SPECIALISTS

**The World's Premier Train Auction House**

# A C Models

Tel: 02380 610100 [www.acmodelseastleigh.co.uk](http://www.acmodelseastleigh.co.uk)

We have now expanded to number 9 High Street  
and our Spares Department & Games Workshop at number 7 is now open  
Visit us at [www.acmodelsppares.co.uk](http://www.acmodelsppares.co.uk).

New R/C Dept now open

Your one stop shop for the model enthusiast, selling brand new and near new model trains, slotcars, sets, and diecast toys at very special prices direct from our website or our shop in Eastleigh.

Stockists of

SCALEXTRIC

HORNBY

WING

SPECTRUM

PECO

AIRFIX

BRANDS

and much more

VISA

PayPal

MasterCard

7/9 High Street, Eastleigh, Hants SO50 5LF

email: [info@acmodelseastleigh.co.uk](mailto:info@acmodelseastleigh.co.uk) Closed Weds, Sat.

# www.expressmodels.co.uk LIGHTING SPECIALISTS

The light at the end of the tunnel could be one of our high intensity headlights fitted to your loco.

We manufacture head and tail lights and coach lighting units for DCC and DC operation. We also make red or yellow oil type lamps for steam locos and flashing tail lights for coaches/wagons.

Why not save on postage and buy your smoke generators and decoders from us at the same time? Visit our website which has secure online shopping. Please send £3.00 for our 50 page catalogue which lists our full range.

EXPRESS MODELS, 65 CONWAY DRIVE, SHEPshed, LOUGHBOROUGH, LEICS. LE12 9PP

Tel: 01509 829008 Fax: 01509 560878

Email: [sales@expressmodels.co.uk](mailto:sales@expressmodels.co.uk)

VISA

MasterCard

MasterCard

PayPal

# Durham Trains of Stanley



"more than just a model shop"

Opening hours: Mon 09.30-17.00, Tue 09.30-17.00 Wed Closed,  
Thu 11.00-19.00, Fri 09.30-17.00, Sat 09.30-17.00, Sun Closed  
6 Station Road, Stanley, Co. Durham, DH9 0JL

Tel: 01207 232545

[www.durhamtrainsofstanley.co.uk](http://www.durhamtrainsofstanley.co.uk)

Email: [sales@durhamtrainsofstanley.co.uk](mailto:sales@durhamtrainsofstanley.co.uk)

# FLAIR RAIL

STOCKISTS OF MODEL RAILWAY EQUIPMENT  
SECONDHAND BOUGHT AND SOLD

FIND US ON FACEBOOK

[WWW.FLAIR-RAIL.CO.UK](http://WWW.FLAIR-RAIL.CO.UK)

FLAIR RAIL, UNIT 7, SPRINGFIELDS, NURSERY  
ESTATE, BURNHAM ON CROUCH. CMO 8TA  
T: 01621 786198

E: [ROGER@FLAIR-RAIL.CO.UK](mailto:ROGER@FLAIR-RAIL.CO.UK)

OPEN: MONDAY TO FRIDAY 9.30-5.00

SATURDAY 9.30-4.00

**Plastruct** **Plastruct** **Plastruct**

Please ask your model shop for genuine Plastruct fineline Styrene structural shapes.

Range contains over 70 shapes including: Angles, I-Beams, Channels, Columns, Deep Channels, Tees and Z Sections, Round, Rectangular and Square Tubing, Plastic Strips and Sheetting, Scale Ladders, Stairs and Railings, Open Web Trusses.

Essential for all scratch model makers.

[www.plastruct.co.uk](http://www.plastruct.co.uk)

**GAS CUPBOARD MODELS** **MODEL RAILWAYS**

There are many stranger hobbies than ours...  
#41 Elvis Impersonator

Gas Cupboard Models  
6 St Georges Works, Silver Street,  
TROWBRIDGE, BA14 8AA

[www.gascupboard.co.uk](http://www.gascupboard.co.uk) 01225 777888

**GALACTIC Models**

Release the inner modeller in you!

**Derby's Specialist Model Shop:**  
Railway OO & N, Die-Cast Models, Plastic Kits, Tools,  
Slot Cars, Table Top Gaming, Scenics, Paints & Glues .  
4 The Strand Arcade, Derby

01332 344033 [www.galacticmodels.co.uk](http://www.galacticmodels.co.uk)

Realistic **GHOST SIGNS**  
in miniature for your **MODEL RAILWAY**

**NEW**  
NOW AVAILABLE IN  
N AS WELL AS OO GAUGE

[GHOST-SIGNS.COM](http://GHOST-SIGNS.COM)

Possibly Hampshire's Largest Stockist of Model Railways, Diecast, Books, Magazines, Scalextric and much more...  
Second Hand Department NOW OPEN.

## SPECIAL OFFERS

### Hornby

R2902XS	Class 08 EWS Chris Wren	£153.00
R3037XS	Class 08 D3963 BR Green	£170.00
R2647X	Class 56 56128 West Burton Power Station	£79.50

### Bachmann

31-002	Class 04 2-8-0 BR Early 63635	£97.50
31-677	Class 85 BR Blue Pre TOPS E3056	£84.35
31-213DS	45543 Royal Signals Green	£199.00
32-750DC	Class 57 Freightliner Crusador	£65.00
31-177DS	Jubilee Kolhapur BR Green	

See website for more...  
All prices exclude postage from £6.00 per loco, 2-3 locos £9.00 or 4 or more at cost



Monday: Closed  
Tuesday to Saturday: 9:00am to 5:00pm  
Sunday: See website / call  
Tel: 01420 542244  
Fax: 01420 544463  
altonmodelcentre.co.uk  
7a Normandy Street, Alton  
Hants, GU34 1DD

# OSBORN'S MODELS

7 Honestone Street, Bideford, N. Devon, EX39 2DL (01237 423453)

OSBORN'S MODELS EXCLUSIVE

**GWR**

HINDERTON HALL 5900

[www.osbornsmodels.com](http://www.osbornsmodels.com)

all major credit cards accepted and PayPal

## Pooleys Puffers

Model Railway Supplies, New & Second Hand Bought & Sold

Proprietor **DAVID POOLE**  
Diecast Models Kits & Accessories

**Tel: 0191 4910202 / 4106386 Mobile: 07976 519178**  
[www.pooleyspuffers.com](http://www.pooleyspuffers.com) e-mail: [pooleyspuffers@btopenworld.com](mailto:pooleyspuffers@btopenworld.com)

382a Jedburgh Court, Team Valley Trading Estate, Gateshead, Tyne & Wear. NE11 0BQ

Mon - Thurs - 10:00am - 5:00pm  
Fri - Sat & Bank holidays please telephone for opening times  
Sunday - Closed

All major cards accepted. Part exchange welcome

PECO HORNBY GAUGE MASTER DAPOL JAVIS METCALFE SUPERQUICK WILLS RATIO

## Timber Tracks

Laser cut model railway products

Timber Tracks' kits are easy to construct, are supplied with comprehensive instructions, drawings and photographs and give you the ability to produce high quality buildings quickly. All components are pre-cut, fully detailed, and assembled with only the minimum of tools.

**Tel: 01275 852027**  
[www.timbertracks.co.uk](http://www.timbertracks.co.uk)

## Modellers Mecca

The West Midlands largest model railway specialist. New, Used & Part Exchange.

**LIMITED EDITION**

**Pre Order Now!**  
KDBm 38-750Z - 22 Ton ZGV Tube Wagon Satlink Western  
KDB730863 - BR Style Tube diag. 1/448

Come and Browse Our Extensive Shop, with Knowledgeable and Welcoming Staff or...  
**Spend Over £50 Online and Get FREE POSTAGE**  
[www.modellers-mecca.co.uk](http://www.modellers-mecca.co.uk)

450 Albion Street  
Wall Heath  
Kingswinford  
West Midlands  
DY6 0JP

Opening Times:  
Mon: 09.30 - 14.00  
Tues: 09.30 - 17.30  
Weds: 09.30 - 17.30  
Thurs: 09.30 - 14.00  
Fri: 09.30 - 17.30  
Sat: 09.30 - 16.00

FOLLOW US ON

**Tel: 01384 278 206**  
[sales@modellers-mecca.co.uk](mailto:sales@modellers-mecca.co.uk)

## MONK BAR model shop

Find us by Monk Bar  
2 Goodramgate  
York YO1 7LQ  
Tel. 01904 659423  
[info@monkbarmodelshop.co.uk](mailto:info@monkbarmodelshop.co.uk)

Model Railways - Diecast Planes & Vehicles  
Plastic Kits & Figures - Scalextric - Jigsaws

Open  
Monday - Saturday  
9am - 5.30pm  
Only 2 minutes from York Minster

Large selection of OO & N Gauge

Stockists of Hornby, Bachmann, Peco, Dapol, Gagemaster, Ratio, Wills Woodland Scenics, Metcalfe, Oxford Diecasts, Base Toys and many more

[www.collectable-models.co.uk](http://www.collectable-models.co.uk)

## Ashford Model Supply Centre

We supply all manner of modelling materials and accessories for railway and scenic requirements at attractive prices. We aim to give that extra personal touch with every customer and your phone call will always be answered by a human being.

Unit 23 Ellingham Way, Ashford, Kent, TN23 6NF  
Tel: 01233 635837 or 01233 800112  
Email: [sales@ashfordmodel.co.uk](mailto:sales@ashfordmodel.co.uk)  
[www.ashfordmodel.co.uk](http://www.ashfordmodel.co.uk)

Sundeala Hobby Board is one of our best selling products. We believe we offer some of the most competitive prices in the country. So whatever your requirements call us for a quote today.

# CLASSIFIEDS

TO ADVERTISE CALL  
PAIGE HAYWARD ON  
01780 755131 or email  
paige.hayward@keypublishing.com

# HORNBY magazine

## ACCESSORIES

### P & D Marsh

Whitemetal kits, hand painted models and laser cut wooden structures in N and OO. Painted signals available in N and OO. Free price list available.

The Stables, Wakes End Farm, MK17 9FB  
Tel: 01525 280068  
www.pdmarshmodels.com

## BOOKS

### GEOFF GAMBLE BOOKS

Railway book specialist covering UK and overseas prototypes, also modelling, bus, tram and shipping books. Many books post free

Visit <http://www.geoffgamblebooks.co.uk> for further details On-line ordering on [www.rail-books.co.uk](http://www.rail-books.co.uk) Tel: 01293 406137

### NICK TOZER

RAILWAY BOOKS BOUGHT & SOLD

Free Railway Booksearch Service

155 Church Street, Paddock, Huddersfield, HD1 4UJ

SHOP: Tue/Wed 11:00-17:00 + Thur 14:00-20:00

[www.railwaybook.com](http://www.railwaybook.com) [nick@railwaybook.com](mailto:nick@railwaybook.com)

Tel: 01484 518159

### Dereks Transport Books

[www.derekstransportbooks.com](http://www.derekstransportbooks.com)

[dereksbooks@btinternet.com](mailto:dereksbooks@btinternet.com)

All transport subjects covered

Established 1995 Ringwood

## RAILWAY BOOKS

Rare and out of print  
4,000+ to view at  
[www.nigelbirdbooks.co.uk](http://www.nigelbirdbooks.co.uk)

01974 821281

## COLLECTORS & FAIRS

### BRIDGNORTH TOYFAIR,

Leisure Centre, High Town, Bridgnorth, WV16 4ER, Monday 6th April 10.30am-3.00pm, £2.00 entry, Tony Oakes Fairs 01270 652773

### RUGBY VINTAGE TRAIN COLLECTORS FAIR,

The Benn Hall Newbold Road, Rugby, Warwickshire CV21 2LN Sunday 11th April 10.30am-3.30pm Adults £3.50 Seniors £3.00 Children £1.00 [www.bpfairs.com](http://www.bpfairs.com) Tel 01604 846688

### NOTTINGHAM TOY & TRAIN FAIR PARTY,

Bluecoat Academy, NG8 5GY (on ring-road 1 mile north of Uni.) Saturday 11th April 10am-2pm, refreshments. Contact Malc: 07951 072790

## COLLECTORS & FAIRS

### BUXTON TOY & TRAIN COLLECTORS FAIR,

The Pavillion Gardens, St Johns Road, Buxton, Derbyshire SK17 6XN Sunday 12th April 150 stalls 10.30am-4pm Adults £2.50 Seniors £2 Children £1 [www.bpfairs.com](http://www.bpfairs.com) Tel 01604 846688

### KIDDERMINSTER TOYFAIR (NEW VENUE),

Gilt Edge Leisure Centre, Zortech Avenue, Kidderminster, DY11 7DY. Saturday 12th April 10.30am-2.00pm, Tony Oakes Fairs 01270 652773

### CHESTER TOY FAIR,

Northgate Arena, Victoria Road, Chester, CH2 2AU. Saturday 18th April 10.00am-3.00pm, £2.50 entry, Tony Oakes Fairs 01270 652773

### ASHFIELD TOY & TRAIN FAIR,

Festival Hall NG17 7DJ. Sunday 19th April 10am-3pm. Good access, refreshments, free parking, Contact Malc: 07951 072790

### MACRON STADIUM (FORMERLEY REEBOK STADIUM) TOY & TRAIN COLLECTORS FAIR,

Reebok Stadium, Horwich nr Bolton, Lancashire BL6 6SF Sunday 19th April 280 stalls 10.30am - 3.30pm Adults £3.50 Seniors £3 Children £1 [www.bpfairs.com](http://www.bpfairs.com) Tel 01604 846688

## DISPLAY/LAYOUTS

### BOXFILE DIORAMAS

Tel: 01689 855074 Mob: 07956 086767 E-mail: [chrusie@btinternet.com](mailto:chrusie@btinternet.com) "Displays and Layouts"

Chris White runs a home based business constructing small scenic displays and working layouts, in all the popular scales. The 'N' gauge layouts can be made to fit into boxfiles, and oblong plastic storage boxes. Chris can carry out scenery restoration work to existing railway layouts in any scale and can also do commissions to build layouts and displays.

For full details of all our displays and layouts please visit our website: [www.boxfiledioramas.org.uk](http://www.boxfiledioramas.org.uk)

## IMAGES

### Colour-Rail

Visit our redesigned website at [www.colour-rail.com](http://www.colour-rail.com) to view 50,000 images - steam, modern traction, stations, buses and much more. Nearly every named BR engine featured.

Looking for a good home for your treasured negatives and slides?

Then e-mail [colourrail@aol.com](mailto:colourrail@aol.com) or write to 558 Birmingham Road Bromsgrove B61 0HT

## KITS & COMPONENTS



LSING GLASS

Over 500 drawings of Locomotives, coaches & vans, available in scales from 4mm

[www.lsingglass-models.co.uk](http://www.lsingglass-models.co.uk)  
27 Grange Road, Toddington LU5 6BZ  
07973 768080 (eve)  
[lsingglass@Edgson.net](mailto:lsingglass@Edgson.net)

## KITS & COMPONENTS

### Wizard Models



Comet Models is now part of Wizard Models. You can order Comet products by post, phone, e-mail, or online at [www.wizardmodels.co.uk](http://www.wizardmodels.co.uk). If paying by cheque or postal order, please make it payable to Wizard Models.

UK P&P: £3.90 per order, overseas at cost, price lists 5x1st class stamps. 24hr Phone 01652 635885 Mobile 0778 894 0312 [www.wizardmodels.co.uk](http://www.wizardmodels.co.uk) Wizard Models, PO Box 70, Barton upon Humber DN18 5XY

### - 0 Gauge Kits -

### CONNOISSEUR MODELS

- Quality Etched & Cast Metal Kits -  
- Locos, Carriages & Wagons -  
[www.jimmcgeown.com](http://www.jimmcgeown.com)

or Send S.A.E. For Printed Catalogue  
1 Newton Cottages, Nr Weobley, HR4 8QX



Specialist suppliers of the finest quality nameplates and detailing components for the Diesel and Electric era in 2, 4, and 7mm scales

[www.shawplan.com](http://www.shawplan.com)

### BRANCH LINES

Mashima, Hanazono, Canon motors. Gears, gearboxes, bearings, drive shafts, wheels, crankpins, etc. Black Beetle, Tenhodo motor bogies

4mm loco and chassis kits and detailing parts and accessories.

4 and 7mm narrow gauge loco, coach and wagon kits, chopper couplings

4mm etched coach and PBV kits (MR/LMS, LBSCR, SECR, SR, TVR) 7mm Ford T Railbus, coach kits.

P.O. BOX, WESTBURY, BA13 9AA  
Tel/Fax: 01373 822231  
E-mail: [sales@branchlines.com](mailto:sales@branchlines.com)

Catalogues: e-mail or S5AE + £1 in stamps or £2.50 C/card and PLEASE STATE INTERESTS

## MODEL RAIL SHOP



[www.tridenttrains.co.uk](http://www.tridenttrains.co.uk)  
01270 842 400

We stock  
HORNBY-BACHMANN-GRAHAM FARISH-DAPOL OO & N  
PECO-RATIO-WILLS-RAILMATCH-PAINTS-HUMBROL  
PLASTRUCT-JAVIS-WOODLAND SCENIC-OXFORD DIECAST  
METCALFE OO & N-SUPERQUICK-TCS DECODERS-LENZ DCC  
GAUGEMASTER-TRACKSETTA OO & N + MUCH MORE.  
WEDNESDAY - SUNDAY 10.00 TIL 5.00

No10, The Craft Arcade, Dagfields Craft Centre  
Crewe Road, Walgherton, Nantwich,  
Cheshire. CW5 7LG



To advertise  
on these pages  
please call  
Paige Hayward  
on  
01780 755131

### MODEL RAIL SHOPS

#### MODEL MANIA

All leading brands stocked  
Mail order service  
13 Clouds Hill Road, St. Georges,  
Bristol BS57LD  
Open Tues - Fri 09.30 - 17.00, Sat 09.00 - 17.00  
**Tel: 0117 9559819**  
email: modelmaniaemail@aol.com



Limited Edition Dapol 00 Wagon

**James Cropper & Son,  
Burnside, Kendal**

Available from Crafty Hobbies,  
54 Cavendish Street, Barrow,  
Cumbria LA14 5RW

www.crafty-hobbies.co.uk  
tel 01229 820759

#### THE MODEL SHOP

Specialist Model Railway Stockist  
**4 St David's Hill, Exeter EX4 3RG**  
(just off the old Iron Bridge)  
**Now Agents for NCE DCC systems**  
www.trainsandtrack.co.uk  
**Tel: 01392 421906**  
shop open Mon/Sat 9.30-5.00pm  
Now taking orders for 2015 Models



**Redcar Models  
& Hobbies,**  
130 High Street,  
Redcar, Cleveland

Stocking a wide range of '00'  
railways by Bachmann, Hornby,  
Peco and Gaugemaster

**Tel: 01642 494 912**  
sales@redcarmodels.co.uk

#### Waddell's Models

56 Bell Street, Merchant City,  
Glasgow, Lanarkshire G1 1LQ  
0141 552 8044  
**Open TUES-SAT 10am-5.30pm**  
Open for Modelling Advice, Service &  
Repairs, DCC Decoder Fitting and Limited  
Edition Models selling all Scales and  
Gauges including 2mm, 4mm, N, OO  
10% off catalogue prices for Locomotives  
& Rolling stock  
We stock Bachmann • Dapol • Farish •  
Heljan • Hornby • Peco  
And many more...

#### Visiting the Isle of Wight?

Two floors of  
locomotives, wagons, coaches, buildings,  
scenery, electrics, figures, cars and more!

N/009/HO/00/On30/G

#### UPSTAIRS DOWNSTAIRS

Pier Street - Sandown - PO36 8JR  
01983 406 616 - www.udtow.com

#### JACKSONS MODELS

33 NEW STREET, WIGTON, CA7 9AL  
**Tel: 01697 342 557**

www.jacksonsmodels.co.uk

Hornby, Bachmann, Peco, Dapol, Scenics, Javis,  
Peco, Woodland Scenics, Gaugemaster,  
Patronics, Wills, Ratio, Metcalfe, Superquick etc

**Opening Times: Mon, Tue, Fri 9-5,  
Thur 9-7, Sat 10-3 Closed Wed & Sun**

BACHMANN \* HORNBY \* FARISH \* PECO \* RATIO \* WILLS \* METCALFE \*

### Aspire Gifts & Models

OPENING TIMES: Mon 2pm-5pm Tues, Wed, Thurs 10am-5pm

The Model Shop for Modellers,  
Run by a Modeller

Suppliers of all Major Railway Brands,  
We Chip, Service and Repair Engines.

Layouts built from Track to finished item.

THOUSAND'S OF ITEMS AVAILABLE ON OUR WEBSITE CREDIT CARDS WELCOME

Come and see the progress on our new 30' x 30' OO Gauge layout  
Unit 4, Court Farm Business Park, Buckland Newton, Dorset. DT2 7BT  
Telephone: 01300 345355 email: edward.aspire@btinternet.com  
**Website: www.aspiregiftsandmodels.co.uk**

\* WOODLAND SCENICS \* KNIGHTWING \* SUPERQUICK \* WILLS \* BASE

## WALTONSMODELS.CO.UK

Where Will Your Hobby Take You Today?

Figures from £5.20  
Peco Accessories from £2.75  
Hornby DCC NMRA decoder only £13.75  
Crosfield Chemicals  
Limited Edition  
3 x Wagons  
£29.95

info@waltonsmodels.co.uk 0161 928 5940  
30 Stamford Street, Altrincham, Cheshire, WA14 1EY

**HORNBY** **FARISH** **PECO** **FLEISCHMANN** **Roco**

## Kent Garden Railways

### 16mm and G Scale Specialists

LGB ♦ Bachmann ♦ Aristocraft ♦ Accucraft ♦ Peco ♦ Piko ♦ Pola ♦ Roundhouse etc  
OO and N from leading suppliers ♦ Hornby ♦ Bachmann ♦ Farish ♦ Heljan ♦ Peco  
66 High Street, St Mary Cray, Orpington, Kent, BR5 3NH Tel: 01689 891668  
**Shop Open Mon - Sat 09.00 - 17.00 www.kgrmodels.com**

## JOHN DUTFIELD CHELMSFORD

Wards Yard, 133 Springfield Park Road, Chelmsford, CM2 6EE  
PECO, HORNBY, BACHMANN, FARISH, DAPOL, HELJAN etc  
and lots more for the railway modeller.

Opening times: 9 till 5.30 Closed Weds Suns & Bank hols

**Tel: 01245 494455**

email: heatherwilkinson@btconnect.com  
www.johndutfieldmodelrailways.co.uk

Wishing all our  
customers a  
Happy New Year

Wishing all our  
customers a  
Happy New Year

**CARLISLE, C&M MODELS**, 1 Cosby  
Street, opposite former GPO, in  
Warwick Street. New and second-  
hand model railways, including  
European HO, Collectors items.  
Tel: 01228 514689

### Time Tunnel Models

Unit 3, Fenton Barns,  
North Berwick EH39 5BW  
Tel: 01620 850728  
www.GoldStarStockists.net

Full range of Hornby and Bachmann stocked

### Addlestone Models

The Shop with the stock  
Surrey's leading Discount Model Centre  
Open 7 days  
Mon - Sat 9.30 - 5.30 Sun 11 - 2  
130 Station Road, Addlestone,  
Surrey, KT15 2BE  
www.addlestone-models.co.uk  
01932 845440

### MODEL JUNCTION

at the HEART of SUFFOLK  
for 36  
years  
THE  
BEST  
MODEL RAILWAY SHOP  
more info www.modeljunction.com  
Whiting St. Bury IP33 1NX 01284 753456



We probably have the largest selection of pre-owned model railways on the south coast.  
We stock new PECO, Hornby, Bachmann, Javis, Expo, Woodland scenic's,  
Metcalfe Graham Farish, TCS decoders Kadec Couplers and more!  
On our website we have a selection of our pre-owned locomotives with much  
more on display in the shop!  
Telephone: 02380 772 681

www.ronlines.com

r.lines@hotmail.co.uk

342 Shirley Road, Southampton, SO15 3HJ

### MODEL WORLD

3 LONDON ROAD,  
NEWPORT PAGNELL,  
BUCKS MK16 0HA  
ONLY 1 MILE JNC14 M1  
Hornby, Bachmann, Peco etc.  
Tel: 01908 612983

mickoxley@aol.com



### STOKE-ON-TRENT

13 Queen Street, Burslem ST6 3EL  
Bachmann, Farish, Scenecraft, Woodland Scenics,  
Hornby, PECO, Dapol, PECO, Gaugemaster,  
Lenz, Metcalfe and much more!  
T: 01782 823818  
e: thehobbygoblin-uk@hotmail.com

www.thehobbygoblin.co.uk

## MODEL RAILWAY SHOPS

**MRS&G**  
**MODEL RAILWAY SHOP GRANTHAM**  
 Supplier of kits card/plastic N to O by  
 Peco, Ratio, Wills, Metcalfe,  
 Knightwing, Kestrel, Springside,  
 Eckon/Berko signals and Parkside  
 46 Watergate, Grantham,  
 Lincolnshire, NG31 6PR  
 Tel: 01476 563472

**Haslington Models**  
 134 Crewe Road Haslington CW1 5RQ  
**Tel/Fax 01270 589079**  
 Appointed Stockist of  
**Hornby, Bachmann, Farish, Dapol,  
 VI-Trains, Peco, Gaugemaster, Hejlan,  
 Metcalf, Ration, Wills etc**  
 Thursday/Friday/Saturday only  
 10.00 until 16.00

Maestro Tel: 01933 355531  
 PayPal Mobile: 07969 535 699 (evenings & weekends)  
**H&A MODELS**  
 19 Keats Way, Higham Ferrers,  
 Northants, NN10 8DQ  
 Email: sales@hamodels.net  
**VISA MasterCard**  
**Coach & Wagon Kits, Wheels, Decals, Paint & Sundries**  
 Parkside Dundas, Cooper Craft, Cambrian, Slaters, Kirk 4mm, Mailcoach, Ian Kirk 7mm, Dapol,  
 Precision Paints, Modelmaster Decals, Old Time Workshop, Labelle Oils, Alan Gibson, Romford  
 Order on line at: www.hamodels.net or ring us (same day or next day despatch)  
 Precision Paint - pre order and pick up at exhibitions (minimum two weeks notice)  
 Show Dates - Alexandra Palace 28<sup>th</sup> & 29<sup>th</sup> March - No Shows in April

**Platform Models**  
**Platform Models**  
 Model Railway items both new and second-hand  
 Also baseboards supplied by Model Railway Solutions  
**All prices 10% below RRP**  
 Free parking Opening Hours: Mon-Sat 10-5  
 10-12 Alder Hills, Poole, Dorset BH12 4AL  
 Tel: 01202 798068 or shop online at: [www.platformmodelsltd.co.uk](http://www.platformmodelsltd.co.uk)

**AGR Model Railway Store**  
 9 High Street Mews, 28 High Street,  
 Leighton Buzzard, Bedfordshire LU7 1EA  
 01525 854788  
**New Business**  
 Order online today  
[www.agrmodelrailwaystore.co.uk](http://www.agrmodelrailwaystore.co.uk)  
**WANTED**  
**AGR WILL BUY YOUR UNWANTED TRAIN  
 COLLECTIONS BEST PRICES PAID**  
 Contact Anthony on 01525 854788  
[sales@agrmodelrailwaystore.co.uk](mailto:sales@agrmodelrailwaystore.co.uk)  
 Monday - Friday 9am - 5pm • Saturday 9am - 4pm  
 NOW buying your unwanted model railway collections

**RHUDDLAN**  
**MODELS**  
 • Model Railways  
 • Games Workshop  
 • Die Cast Models  
 Corgie - Dinky - Matchbox  
 • Plastic Kits  
 Airfix - Revel - Etc  
**NEW AND USED ITEMS  
 BOUGHT AND SOLD**  
 HIGH ST, RHUDDLAN  
**01745 590048**  
[www.rhuddlanmodels.co.uk](http://www.rhuddlanmodels.co.uk)

**PAIGNTON  
 MODEL SHOP**  
 Stockist of:  
 Hornby, Bachmann, Peco,  
 Woodland Scenics, Metcalfe,  
 Superquick, Airfix, Scalextric, Ratio,  
 Wills & Scenerama  
 N Gauge stockist for Farish  
 Loco Weathering Service Available  
**60 Hyde Road, Paignton,  
 Devon TQ4 5BY**  
**Tel: 01803 555882**  
 Email:  
[paigntonmodels@hotmail.co.uk](mailto:paigntonmodels@hotmail.co.uk)  
 Website:  
[www.paigntonmodelshop.com](http://www.paigntonmodelshop.com)

## NAMEPLATES

**247 DEVELOPMENTS**  
 STEAM ERA NAME PLATES & LOCO DETAILING PARTS.  
 COACH KITS, SIDES AND DETAILING PARTS.  
 Catalogue £2.00 from: 247Developments,  
 Seven Acres, Meltham Rd, Marsden, W.Yorks, HD7 6JZ  
 Tel: 01484 840 996  
**WEB:247developments.co.uk**

## REPAIRS & SERVICES

**Model Railway Doctor**  
 Model Railway Repair Specialist  
 Most Makes Undertaken  
**DCC Specialist**  
 Why not visit the website for more information  
[www.modelrailwaydoctor.co.uk](http://www.modelrailwaydoctor.co.uk)  
 or tel: 020 8907 7662

## MODEL RAILWAY OUTLET

**LORD AND BUTLER**  
**Exclusive  
 Bachmann  
 Limited Edition  
 66050 EWS Energy  
 £129.95**  
  
 Photo - © Daniel Stanbridge  
**IN STOCK**  
 The Pumping Station Penarth Rd Cardiff CF118TT  
 029 2066 7225 [lordandbutler@yahoo.co.uk](mailto:lordandbutler@yahoo.co.uk)  
 Daily 10.00 - 5.30  
 Sunday 2.00 - 5.30  
**NEW LARGER SHOP OPEN NOW  
 CAFETERIA ON SITE AND FREE PARKING**  
**MasterCard VISA**  
[lordandbutler.com](http://lordandbutler.com)

## ONLINE MODELSHOP

**OO WORKS**  
**LB&SC Marsh I3 4-4-2 Tank**  
 1 - LB&SC Brown No. 25 £250  
 2 - SR Olive Green No. 2023 £250  
 4 - BR Lined No. 32091 £240  
 Plus P&P  
 Telephone: 01580 882 185  
 Email: [ooworks@btinternet.com](mailto:ooworks@btinternet.com)  
 See full list on web [ooworks.co.uk](http://ooworks.co.uk)

**Heki Tree's & Scenics**  
 Heki 2013 Catalogue £6.50 post paid  
 Make your layout stand out  
 with Heki Trees & Scenic  
 Materials Quality at  
 affordable prices  
**Trade  
 Supplied**  
 Order Online or just call to  
 find out about the  
 Biggest and Best  
 range of Scenics on the  
 market today.  
 P.O.Box 2099, Hoekley, Essex, SS5 4UY  
 Tel: 01792 290836 • email: [sales@heki-trees-miniatures.com](mailto:sales@heki-trees-miniatures.com)  
[www.blackwells-miniatures.com](http://www.blackwells-miniatures.com)

**Custom Locos, Ltd Edn Wagons  
 New Hornby, used makes**  
 W: [carriageandwagonmodels.co.uk](http://carriageandwagonmodels.co.uk)  
 E: [carriagew@yahoo.co.uk](mailto:carriagew@yahoo.co.uk)  
 T: 01233 633295 M: 07757 342525

**Model Scenery Supplies**  
 Scatter - Grass - Foliage - Trees  
 Bushes - Turf - Tufts - Buildings - Kits  
 Seafoam - Horsehair - Accessories  
 Plywood - Bespoke Baseboards  
 and much more at online prices!  
[modelscenerysupplies.co.uk](http://modelscenerysupplies.co.uk)

## SIGNALS & LIGHTING

**HORNBY**  
 magazine

**CR Signals**  
 Lights, signals & kits to bring your layout to life  
 N Gauge & OO Gauge  
 • Signals • Lights • Signal & Light Kits  
 • Trackside items • Wire & Accessories  
 For the latest price list and order form  
 Please email [info@crsignals.com](mailto:info@crsignals.com)  
[www.crsignals.com](http://www.crsignals.com)  
 CR Signals 'Birby' 5 The Crescent,  
 Doncaster Road, Rotherham S65 1NL

## STATION FIGURES

**Mike Pett's Supercast OO Model Railway Figures**  
 OO gauge models £1.75 (2 for £3) unpainted, hand painted models £4.50 each P&P £2.00  
 O gauge fireman £5.50 unpainted, hand painted £8.50 P&P £3.50

 New Moriarty joins Holmes & Watson	 Holmes & Watson	 Fireman with Loco Driver	 Sitting Driver (not including seat)
 NEW Brunel	 NEW Station Master & Traffic Worker	 NEW O gauge fireman and driver	 NEW Railway worker & Passenger 00's era

**www.modelrailwayfigures00.co.uk**  
(00 - 200-200)  
 Please make cheques payable to: Mike Pett, 12 Chatham Street, Ramsgate, Kent, CT 11 7PP  
 Tel: 01843 593417 • Mob: 07976 724225 Email: [mikepettphotos@btconnect.com](mailto:mikepettphotos@btconnect.com)

## SCENICS

**07946** *Vintage Transport in Miniature* **07946**  
**499237** 17 Wycombe Street Darlington DL3 7DA **499237**

Model Transport Diorama parts  
  
 Scenic Accessory Suppliers for modellers in 2mm 1:144 and 1:148 scales

**2mm SCALE** [www.vintageminiaturemodels.moonfruit.com](http://www.vintageminiaturemodels.moonfruit.com) **N GAUGE**  
 email [graham.a.eason@gmail.com](mailto:graham.a.eason@gmail.com)

## STATION SIGNS

# STATION SIGNS

You choose the name and we make the signs BR 'Totems', SR Targets, nameboards, destination boards & poster boards. BR regional colours of the 1950s/60s  
[www.stationsigns.co.uk](http://www.stationsigns.co.uk) [admin@stationsigns.co.uk](mailto:admin@stationsigns.co.uk)  
 Telephone 07561 179155

## TOOLS

The Original *Fine Tip* Puts a 0.5mm line or dot of PVA glue precisely where you want it  
*PVA Glue Applicator* Ideal for all card kits. No waste, no mess!

£3.75 Plus P & P  
 01524 - 411183 [www.finetip.co.uk](http://www.finetip.co.uk)

## TOOLS

**PAGES OF TOOLS**  
 Xuron track cutters  
 Layout wire  
 Single micro drill bits  
 Hobby tools and much more....  
[www.pagesoftools.co.uk](http://www.pagesoftools.co.uk)  
[sales@pagesoftools.co.uk](mailto:sales@pagesoftools.co.uk)

## TRANSFERS

**Railtec Transfers**  
 waterslide transfers for all gauges & hobbies  
 Large catalog of UK & Irish rail  
*"In a class of their own and a joy to use."*  
 Pete Waterman, OBE DL  
[www.railtec-models.com](http://www.railtec-models.com)

## WANTED

# Tri-angman

**Specialist in Model Railway**

Tri-ang, Hornby, Bachmann, Wrenn, Minic, etc

**BUY & SELL HARD TO FIND ITEMS & COLLECTABLES**

Find me on [www.tri-angman.co.uk](http://www.tri-angman.co.uk)

Tel: 07966 333605 Email: [laurence@tri-angman.co.uk](mailto:laurence@tri-angman.co.uk)

# Numbers you can trust

All too often advertisers accept publisher's statements on their performance. Our ABC Certificate shows we have been independently audited and gives credibility to support our claim.

Justify your marketing spend and get the exposure you've been promised. As you can see from our ABC Certificate our circulation is 34,022 for the period January to December 2014.

See it, believe, trust it

To advertise, call Tom Lee on 01780 755131 or email [tom.lee@keypublishing.com](mailto:tom.lee@keypublishing.com)

 For more information visit [www.abc.org.uk](http://www.abc.org.uk) or email [info@abc.org.uk](mailto:info@abc.org.uk)

**HORNBY** magazine

# The Locoshed

48 Bury Old Road, Whitefield, Manchester, M45 6TL



Bachmann		Hornby	
32-525X TMC Class 55 D9021 in BR green	£110	R2771 Class 121 Bubble car in BR green	£75
32-4252 Class 24 in RTC Livery Ltd edition	£149	R2462 BF 2-8-0 48151 heavy freight	£119
32-4752 Class 40 D220 /40122 in BR green Ltd edition	£130	R2212 J94 Austerity tank NCB "Whiston"	£75
32-050 Class 42 Warship D817 Foxhound in BR maroon	£75	R2782X Duchess Class City of Sheffield with DCC sound	£219
32-057 Class 42 Warship D870 Zulu in BR Blue	£75	R2723 King Arthur Class No 751 Ettarre in SR	£119
31-185 Jubilee Class 5563 Australia in LMS Crimson	£115	R2398 Fowler 4P 2-6-4 T 42322 in BR Black	£79
31-212 Patriot Class 5541 Duke of Sutherland in LMS crimson	£115	R2313 Princess Class 6204 Princess Louise in LMS Crimson	£119
32-181 Hughes Crab 2-6-0 No 13000 in LMS Crimson	£115	R2XXX TMC Duchess 46246 City of Manchester in BR green	£139
31-976 BR Class 3MT 82005 in Green	£89	R341 A4 Class Sir Ralph Wedgewood in NE Black and LNER Blue	£85 each
32-358 BR Class 4MT 800118 in BR Black	£89	R2776 Class 56302 Wilson Walshe in Fastline Ltd edit	£135
31-962X A4 Class 2510 NE Black Quicksilver Rails Ltd edit	£139	R2405 A1 Class Great Northern in LNER green	£110.00
32-952 Riddles Strd 4MT 76079	£85	R2205 Steamlined Coronation Class City of Birmingham	£125.00
32-800DS Class 47404 Hadrian BR Blue DCC sound	£189	R2572 Class 31 D5640 BR Green syp	£129

### Misc

Heljan O Gauge Deltic D9021 in BR Green £475, Lima OO Irish rail class 201 River Class Plus coaches, Tri-ang TT Class 104 DMU boxed £110, Tri-ang TT Prairie Tank Boxed £69, Kitbuilt OO gauge, Great western Bantam Class 4-4-0 Hotspur and Brunel, LMS Fowler experimental 4-6-0 6399 Fury, Lima O Gauge Fowler 4F and Diesel Shunter. Hornby R794 5 car Inter-City APT, Hornby Pendolino Train set with DCC Controller plus much more.

Its layout construction time again, so if you need any help or advice with any aspect of your project we can help, track laying, electrical scenics and we understand DCC operation.

We stock Gaugemaster, Javis, Woodland scenics, cork and grass rolls, Slaters plasticard and Mek pack, Javis plasticard and foam card sheet, balsawood all the glues and Humbrol paints. We also stock all the Dapol plastic kits as well as the full Metcalfe range, we stock Hornby and Bachmann scenecraft buildings, oxford diecast, Pocketbond and Base toys. We have good stock of new and pre-owned track OO and N gauge plus buildings and accessories.

**Cash Waiting For Quality 2mm N gauge RTR or kitsbuilt / Code 3 Locos and Rolling stock, British, European or continental All the above models are in near mint boxed condition unless otherwise stated.**

All major debit and credit cards accepted as well as Paypal.

Mail order Cheques payable to the Locoshed Please All parcels sent out via Royal Mail 1st Class signed for at £5 per loco, discounts for multiple purchases.

WE ARE INTERESTED IN BUYING QUALITY MODELS SINGLE ITEMS OR COLLECTION ANY GAUGE.

WE CAN ALSO UPLIFT AND REMOVE LAYOUTS IF REQUIRED. REPAIRS AND DCC FITTING / ADVICE SERVICE AVAILABLE.

WE ARE ALSO HAPPY TO SWAP OR TAKE PART EXCHANGE ON ANY ITEM

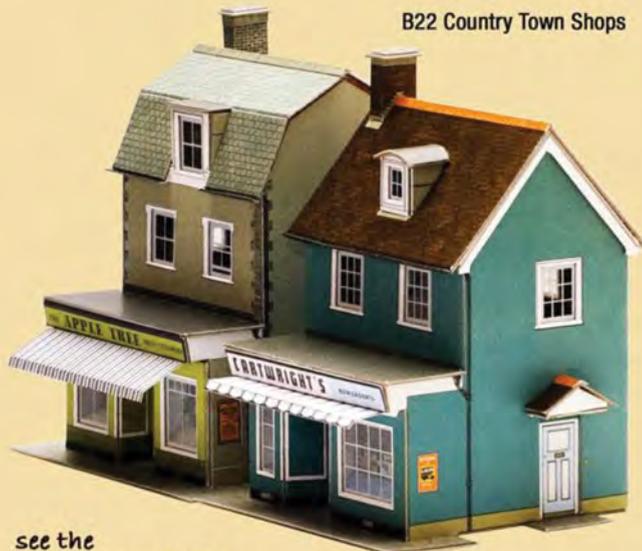
We are open Tuesday to Saturday 10am - 5.45 pm Thursdays until 7pm, Closed Sundays as normally at Toyfairs or model rail shows, we are closed Mondays

Tel: 0161 772 0103 Mobile: 075904 13177 email: [thelocoshed4@aol.com](mailto:thelocoshed4@aol.com)  
 Or visit our new website: [www.thelocoshedmcr.co.uk](http://www.thelocoshedmcr.co.uk)

Fine OO/HO detail from...

**SUPERQUICK**  
 MODEL KITS

B22 Country Town Shops



see the full range of kits and building papers at...

[www.superquick.co.uk](http://www.superquick.co.uk)

Available from all good model shops NOW!

# **WE WANT YOUR Model Railways**



We will buy almost any Railway Collection, large or small. All gauges will be taken, in any condition. We always give an honest price and will collect and dismantle any layout.

Telephone: **01302 371623**

Mobile: **07526 768178**

or email: [anoraksanonymous@googlemail.com](mailto:anoraksanonymous@googlemail.com)

# Along Classic Lines.com

Rail & Bus Models • Visit [www.alongclassiclines.com](http://www.alongclassiclines.com) • Email: [info@alongclassiclines.com](mailto:info@alongclassiclines.com)

We buy and sell all types of New & Pre-owned Model Railway & Bus models. Post & Packing £2.95 per order, delivery by tracked courier. Opening hours Mon to Sat 8-5 Closed Wed, for sales & information please call 0161 614 1099

## NEW HORNBY 2014/15 LOCOMOTIVE.

R3283	Bagnoll 0-4-005 Diesel Shunter, in red and dark grey industrial user livery.....	£27.95
R3286	Class 67 Diesel, 67003 Arriva Trains Blue.....	£39.49
R3257	2 Bil 2 Car EMU in BR Blue.....	£119.49
R3257	2 Bil 2 Car EMU in BR Green.....	£119.49
R3245H	LNER 2-8-2 'Cock O' The North' P2 Class with TTS Sound.....	£149.00
R3245H	4-6-2 Loco, 60163 Tornado BR Blue livery FITTED WITH DCC SOUND.....	£149.49
R3243A	K1 Class 2-6-0 Loco 62027 in BR late black.....	£119.49
R3243	K1 Class 2-6-0 Loco 62024 in BR late black.....	£119.49
R3242	K1 Class 2-6-0 Loco, 62015 in BR early black.....	£119.49
R3236	Class 8 Locomotive 'Duke of Gloucester' late be green.....	£123.49



R3232	Class 315 0-6-0 Tender Locomotive, 65445 in BR late black.....	£105.49
R3231	Class 315 0-6-0 Tender Locomotive, 65336 in BR early black.....	£105.49
R3230	Class 315 0-6-0 Tender Locomotive, 7524 in LNER Black.....	£105.49



R3229	Star Class 4-6-0 Loco, 'British Monarch' BR early green.....	£135.49
R3228	J94 Austerity 0-6-0 Tank loco, No 12 'National Coal Board Ken' in blue, £ 73.49	
R3228	Train Pack - WWII Troop Train Star Class with Clerestory Coaches.....	£149.49
R3208	Schools Class 4-4-0 Loco, 30915 'Brighton' in BR early black large chimney.....	£129.99
R3204	M7 Class 0-4-2 Tank Loco, 245 in LSWR lined green livery.....	£122.49
R3202	A3 Class 4-4-2 Loco, 60103 'Flying Scotsman' BR late green DCC FITTED.....	£149.49
R3194	'Schools' Class 4-4-2 Loco, 30957 'Epsom' BR black large style chimney.....	£121.49
R3190	Thompson L1 4-6-2 Tank Loco, 67777 in BR early black.....	£165.49
R3188	Grasley NZ Class 0-6-2 Tank Locomotive, 69543 in BR black.....	£79.99
R3187	N2 Class 0-6-2 Tank Locomotive, 1744 in Great Northern Railway lined green.....	£49.49
R3183	Class 67 80-Bo Diesel Loco, 67002, Arriva Trains Blue livery.....	£117.00
R3167A	Star Class 4-6-0, 4061 Glastonbury Abbey BR early green DCC FITTED.....	£139.00
R3167	Churchward Star Class 4-6-0, 4061 Glastonbury Abbey BR early green.....	£119.49
R3160a	Bulleid W/C 4-4-2 Loco, 34108 'Willicoman' in BR green, SOUND FITTED.....	£247.49
R3141	Class 60 Co-Co Diesel Loco, 60099 'Tonto Steel' in DB Schenker silver/grey.....	£135.00
R3131	A4 Class 4-6-2 Loco, 4462 'Great Spine' LNER Blue.....	£134.00
R3108	T9 Class, 708 in Southern Railway black with B wheel tender.....	£112.49
R3107	'Treyhound' 4-4-0, 30313 in BR lined black, 6 Wheel Tender.....	£109.99

R3105	Castle Class, 4-6-0 Loco & Tender, 5075 'Wallington' in GWR gr Hawksworth tender.....	£109.49
R3084a	Class 56 Diesel, 56091 'Castle Donnington Power Station' Coal Sector triple grey SOUND FITTED.....	£197.00
R3067	Brush Class 31 Diesel Locomotive, 31256 in British Rail standard blue.....	£59.00
R3063	Midland Railway Compound, 1000 in LMS maroon.....	£75.99
R3060	A1 Class Loco, 60163 Tornado BR lined Apple Green.....	£65.00
R3048	Class 08 Diesel Shunter, 08673 'Piccadilly' Intercity grey.....	£69.00
R3019	Grange Class 4-6-0, 6845 'Paviland Grange' in BR late green (W).....	£124.49
R3017	Patriot Class Loco, 45535 'Sir Herbert Walker KCB' BR early gr.....	£104.50
R3010	King Arthur Class, 'Sir Sagamore SR maunsell gr, 8 Wheel Tender.....	£137.49
R3006	BR (ex GWR) 2-8-0 28xx Class, 3864 in BR early black.....	£104.75
R2921	817/1, 4-6-0 Loco, 61657 'Thorpe Hall' BR early green.....	£119.00
R2922	817/1, 4-6-0 Loco, 61650 'Grimby Town' BR late Green.....	£119.00

## PRE-OWNED HORNBY OO GAUGE

R2170	Merchant Navy Class, 35023 'Holland Afrika Line' BR Green.....	£110.00
R2167	Merchant Navy Class, 35025 'Brookbank Line' BR Green.....	£120.00
R2168	Merchant Navy Class, 35027 'Port Line' BR Green.....	£115.00
R2169	Merchant Navy Class, 35028 'Cun Line' BR Green.....	£105.00
R2194	Merchant Navy Class, 35029 'Ellerman Lines' BR Green NRM Ed.....	£125.00



R2204	Merchant Navy Class, 35020 'Bobby Line' BR Green.....	£120.00
R2310	Merchant Navy Class, 35016 'Elders Fyffes' BR Green.....	£130.00
R2271	Streamlined Coronation Class, 6223 'Princess Alice' LMS Blue.....	£125.00
R2179	Streamlined Coronation Class, 6225 'Duchess of Gloucester' LMS Maroon.....	£120.00
R2531	Streamlined Coronation Class, 6226 'Duchess of Norfolk' LMS Maroon.....	£120.00
R2205	Streamlined Coronation Class, 6225 'City of Birmingham' LMS Maroon.....	£120.00
R2230	Duchess Class Loco, 6230 'Duchess of Berchingham' LMS Maroon.....	£125.00



R2244	Duchess Class Loco, 46238 'City of Cardiff' BR maroon.....	£140.00
R2558	Hawksworth County Class, 1007 'County of Breckwood' BR early black.....	£79.49
R2036	A3 Class, 60075 'St Fruosini' BR Experimental Blue.....	£79.49
R2066	Fowler 4F 0-6-0 Tender Loco, 44331 in BR late black.....	£69.99

R2186B	J13 Class 0-6-0 Tank Locomotive, 1226 in LNER lined Apple Green.....	£49.49
R2064	Dean, Class '2301' 0-6-0 Tender Locomotive, 2468 in Great Western green.....	£75.49
R2745	Schools Class, 902 'Wellington' Southern Railway malachite.....	£89.49
R2975	Britannia Class, 70000 'Britannia' in BR plain unlined black Special Edition.....	£123.00
R2273	B17/4 Class, 61643 'Evertan' in BR late green (point chip to buffer beam).....	£56.00
R2959	BR (ex LNER) L1 Class 2-6-4 FT Tank Loco 67717 in BR Apple Green.....	£115.00
R2548	Grange Class, 6816 'Frankton Grange', BR early black (W).....	£79.00
R2174	County Class (4-6-0) 1022 'County of Northampton' BR early black.....	£79.00
R2726	Rebuilt Patriot Class, 45536 'Private W Wood VC' BR early green.....	£95.00

## NEW HELJAN LOCOMOTIVES

4050	0 Gauge, Class 40 Diesel Loco in BR green with sm yell panel & discs.....	£499.99
8800	AC Railcar in BR green with speed whiskers - NEW.....	£109.49
1503	Class 15 Bo-Bo Diesel Loco, D8233 in BR green SYP.....	£97.50
1601	Class 16 Bo-Bo Diesel Loco, D8400 in BR full green livery.....	£109.00
2320	Class 23 'Body Deltic' Diesel, D5900 in BR gr (ex works), with Discs.....	£105.49
2608	Class 26 Diesel Loco, D5339 in BR gr SYP.....	£92.49
	Class 26 Diesel, New Tooling various in stock.....	£99.00
3410	Class 33/0 Bo-Bo Diesel Loco, All New Tooling various in stock.....	£97.00
4005	Prototype Co-Co Diesel Loco, No D0260 'Lion' in white.....	£109.00
4010	EE Prototype Co-Co Diesel Loco, 'DPZ' original BR plain gr.....	£110.00
8705	Wagon & Maschinenbau Railcar, E79961 in BR green livery in Glass ex works.....	£95.00
89xx	Class 128 DPU, most versions are available, blue/green/red/weathered etc.....	£99.00



NOTE: NEW HELJAN GUY'S FULL RANGE £265.00 AND FULL RANGE OF GAUGE 0 WAGONS/TANKERS NOW IN STOCK

## NEW DAPOL OO LOCOMOTIVES

403005	Class S2 Diesel, D1072 'Western Glory' BR Blue.....	£119.00
403001	Class S2 Diesel, D1029 'Western Legionnaire' BR Maroon SYP.....	£119.00
403007	Class S2 Diesel, D1012 'Western Firebrand' BR maroon.....	£119.00

## NEW DAPOL N GAUGE LOCOMOTIVES

268000	A4 Class 4-6-2 Loco, 60019 'Britann' BR green livery late crest to the tender.....	£110.00
268003	A4 Class, 4-6-2 Loco, 60094 'William Whitelaw', BR blue.....	£110.00
26007005	Panmier Tank 0-4-0PT Loco, L97 in London Transport maroon.....	£69.00

## NEW MURPHY MODELS LOCOMOTIVES

MM0086	Class 071 GM Co-Co Diesel Loco, 086 CIE Orange & Black livery.....	£135.00
mm141A	GM Class 141 Bo Diesel Loco 8141 in Irish Rail Black & orange.....	£105.00

## BACHMANN LOCOMOTIVES OO GAUGE

32-938	Class 150/2, 2 car DMU in Northern Rail livery.....	£149.49
32-928	Class 150/1, 2 car DMU in Provincial livery.....	£149.49
32-927	Class 150/1, 2 car DMU in First Great Western.....	£149.49
31-678	Class 85 Bo-Bo Electric Loco, 85026 in BR blue.....	£121.49
31-266	Motor Luggage Van (MV) in BR green SYP.....	£89.95
31-995	LMS 10000 class co-co Diesel Loco, 10000 in BR Brunswick green.....	£99.95
32-917	Class 47 Diesel Loco, 47745 'London Society for the Blind' in RES red.....	£109.45
31-456dc	Class 47 Diesel, D1667 'Thor' in BR two tone green, DCC Fitted.....	£113.00
31-537	Class 105 2 Car DMU, BR Green SYP destination 'Manchester Victoria & Rochdale'.....	£99.89
32-480dc	Class 40, Diesel Loco D211 'Mountaine' BR green, discs, DCC SOUND.....	£229.99
31-002	Robinson Class 04, 2-8-0 loco 63635 in BR early black.....	£121.49
31-146	D11 Class 4-4-0 Loco, 62662 'Prince Albert' in BR early black.....	£119.49
31-138	D11 Class 4-4-0 Loco, 62662 'horstoun Of Bucklaw' in Br Black.....	£119.49
30-325	First World War Ambulance Train Pack(GWR City Class 4-4-0 Loco City Of Birmingham in khaki + 3 Midland Coaches.....	£149.49
31-087dc	Class 9003 4-4-0 Loco, 3200 in GWR Green.....	£135.49
31-931	LMS Compound 4-4-0 Loco, 1189 in LMS Black.....	£125.00
31-086	GWR Earl Class 4-4-0 Loco, 9017 in BR early black.....	£119.49
25-2014	Special Boxed set, Jubilee and Union Jack Class 47 Limited Edition.....	£29.49
31-150V	Sp Ed two loco set, Jubilee 'Sanspareil & Novelty' in wooden case.....	£225.00
31-150T	Sp Ed set, 'Spanish Armada', Jubilee 'Armada' & 'Howard of Effingham'.....	£225.00
32-254	WD 'Austerity' 2-8-0 Loco, 3085 in LNER plain black livery.....	£110.00
32-200	Class S7xx 0-6-0PT Heavy Panmier Tank Loco, 9643 in Great Western gr.....	£64.49
31-930nr	Midland 10000 Class Compound 4-4-0 Loco, 1000 in Midland lined crimson.....	£130.00
31-952b	A4 Class 4-6-2 Loco 4468 'Mallard' in LNER Garter Blue, DCC Ready.....	£125.00
32-551	A1 Class 4-6-2 Loco, 60158 'Aberdonian' BR late green.....	£115.00
31-050A	J72 0-6-0 Tank Loco 8680 in LNER Apple green.....	£59.49
32-129A	45xx Class Prairie 2-6-2 Tank Loco, 4545 in BR early black.....	£84.49
31-464	C Class 0-6-0 Loco & Tender, 593 in Southern Black.....	£112.95



31-950X A4 Class Loco, 2509 'Silver Link' LNER Grey L/E..... £129.00  
Along Classic Lines stock a wide range of Train and Bus models please call 0161 614 1099 for more information and availability. 18 Card Drive, Urmoston Manchester M41 9HY. Callers strictly by appointment only please

# HORNBY magazine

# ADVERTISERS INDEX

To advertise Contact: Tom Lee Tel: 01780 755131  
Email: [tom.lee@keypublishing.com](mailto:tom.lee@keypublishing.com)

Classifieds: Paige Hayward Tel: 01780 755131  
Email: [paige.hayward@keypublishing.com](mailto:paige.hayward@keypublishing.com)

31 A (Cambridge) MRC	140
A C Models	146
Airbrush Company, The	89
Along Classic Lines.com	153
Alton Model Centre	147
Ancorton Models	136
Andy Lowe Electronics	130
Anoraks Anonymous	152
Ashford Model Supply Centre	147
Association of 16mm Narrow Gauge Modellers	130
B&H Models	126
Bachmann-Europe (W.Britain Ltd)	156
Book Law Publications	125
Bristol Model Railway Exhibition	139
C & L Finescale Modelling Ltd	143
Church Street Models	145
Classic Rail	135
Dapoll Ltd	155
DB Models	138
DCC Concepts Pty Ltd	51
DCC Supplies	151
Digitrains Ltd	6
Durham Trains of Stanley	146
Ellis Clark Trains	144
EMA Model Supplies	146
Epsom & Ewell Model Railway Club	137
Express Models	146
Finescale Model World Ltd	145
Flair Rail	146
Fox Transfers Limited	141
Frizinghall Models & Railways	141

Galactic Models	146
Gas Cupboard Models	146
Gaugemaster Controls Plc	6/17
Ghost-Signs.com	146
Gilbow Holdings Ltd	3
Great Rail Journeys	127
Harburn Hobbies	145
Hatton's Model Railways	115-124
Hereford Model Centre	104
Hornby Hobbies Ltd	2
Invicta Model Rail	141
Jersey Post	105
Kernow Model Rail Centre	132-133
Langley Models	143
Lcut creative	135
Loco Boxes	135
Locomotion	140
Mercian Models	134
Metcalf Models & Toys Ltd	26-27
Model Railway Solutions	135
Model Railways Direct Ltd	40-41
Model Tree Shop, The	128
Modellers Mecca	147
Monk Bar Model Shop	47
Morley Controllers	140
Morris Models	134
Olivias Trains	143
Osborn's Models	147
Oxford Diecast	103
Parkwood Arts Ltd	134
Peedie Models	134

Pennine Models	131
Peters Spares Model Railways Ltd	31
Pooleys Puffers	147
Rail Discoveries	142
Rails of Sheffield	86-88
Ron Lines	149
Roxey Mouldings	135
S & J Models	129
Sawyer models	135
Scale Model Scenery Ltd	135
Scale Scenes	134
South West Digital	137
Special Auction Services	130
Superquik	
The Hobby Shop	134
The Loco Shed	151
The Model Railway Shop	134
The Railway Conductor	139
Timber Tracks	147
TMC Direct	46-47
Train-Tech	143
Vectis Auctions	145
Warners Group Publications Plc	137
Warwick & Warwick	113
Wealistic Models	128
Wicor Models	134
York Model Rail Show	50
York ModelMaking	145
YouChoos	139

# NEXT ISSUE

# FREE

## DCC SOUND GUIDE!

• FREE with the next issue of Hornby Magazine is a 24 page supplement focusing on the art of installing digital sound including expert advice on speaker choice, decoder installation and how sound fitted models work.

# AISTHORPE

Lincolnshire once had a maze of rural railways linking sparsely populated villages. Lincoln and District Model Railway Club chose to model this 'might have been' scene at Aisthorpe in 'O' gauge creating an inspirational 22ft long scenic layout with Great Northern and North Eastern influences.



## STEP BY STEP

# MODEL RAILWAY GRADIENTS

Gradients present a great challenge to the real railway, but in model form they can be a real headache for layout railway builders and locomotives alike - but there is a solution. Next issue Mike Wild begins work on redeveloping Hornby Magazine's office test track for 'N' gauge by building gradients and installing DCC Concepts' PowerBase to take trains to a new level.



# DENTDALE

The Settle and Carlisle line is one of the most famous on the British railway network with its formidable gradients and spectacular scenery. Wayne Webb and Bob Taylor created this freelance model based on its stunning scenery in 'N' gauge. With post privatisation stock in operation we discover how this layout was built.



THE NEXT ISSUE OF  
**HORNBY**  
magazine

is on sale on APRIL 9 2015

**DON'T MISS IT!**

# PLUS

We'll be reviewing all the latest models, reporting the latest news and helping you get the most out of your modelling projects.

# dapol

model railway company

Tel: 01691 774455  
Fax: 01691 778866  
e-mail: sales@dapol.co.uk

www.dapol.co.uk

Dapol Limited, Gledrid Industrial Park, Chirk, Wrexham, LL14 5DG

## 'N' releases in March

### HST Bookset



**2D-019-004** - HST Bookset Class 43 Intercity Swallow Livery 43075 & 43106

**2D-019-002** - HST Bookset Class 43 First Great Western 43177 & 43165

**2D-013-000** - Class 27 BR Blue Livery 27108

**2D-013-000D** - Class 27 BR Blue Livery 27108 DCC

**2D-013-001** - Class 27 BR Green SYP D5401

**2D-013-001D** - Class 27 BR Green SYP D5401 DCC

**2D-013-051** - Class 27 Dummy BR Blue 27203

**2D-013-052** - Class 27 Dummy BR Blue 27212

*All product release dates correct at time of going to press*

## 'OO' releases in March



**4F-032-013** - Rectangular Tank - Yorkshire & Lincolnshire Tar

**4F-032-014** - Rectangular Tank - Yorkshire & Lincolnshire Tar Weathered



**4F-034-011** - 21T Hopper - NCB 131

**4F-034-012** - 21T Hopper - NCB 131 Weathered

*Also released this month include;*

**4F-060-015** - Grampus - BR Black DB990412

**4F-060-016** - Grampus - BR Black DB990412 Weathered

**4F-036-017** - Grain Hopper - GWR Avonmouth

**4F-036-018** - Grain Hopper - GWR Avonmouth Weathered

## 'O' releases in March



**7F-051-017** - 5 Plank - A Bramley

**7F-051-017W** - 5 Plank - A Bramley Weathered



**7F-071-024** - 7 Plank - Ace of Clubs

**7F-071-024W** - 7 Plank - Ace of Clubs Weathered

APPROVED

**DAPOL GOLD**

STOCKISTS

**The following retailers carry stocks of all new monthly products**

ALTON: **Alton Models** tel:01420 542244

ARUNDEL: **Gaugemaster** tel:01903 884321

AXMINSTER: **Buffers Model Railways** tel:01297 35557

AYLSHAM: **Bure Valley Railway** tel:01263 733858

BARROW IN FURNESS: **Crafty Hobbies** tel:01229 820759

BIDEFORD: **Osborn's Models** tel:01237 423453

BRISTOL: **Model Railways Direct** tel:01275 774224

BURTON-ON-TRENT: **The Tutbury Jinny** tel:01283 814777

CAMBORNE: **Kernow Model Railway Centre** tel:01209 714099

CARLISLE: **C & M Models** tel:01228 514689

CHELTENHAM: **Cheltenham Models** tel:01242 523117

HEREFORD: **Hereford Model Shop** tel:01432 352809

KIDDERMINSTER: **DMB/Footplate Models** tel:01562 750076

LIVERPOOL: **Hattons** tel:0151 733 3655

NANTWICH: **Trident Trains** tel:01270 842400

NORTH LANCING: **Morris Models** tel:01903 754850

ROCHESTER: **The Signal Box** tel:01634 826370

SHEFFIELD: **Rails of Sheffield** tel:01142 551436

STROUD: **ANTICS** tel:01453 825381

SHEPTON MALLET: **East Somerset Models** tel:01749 880651

YORK: **Monk Bar Model Shop** tel:01904 659423

# Class 37 Diesel

## N Scale Model Locomotives



**371-166** Class 37/4 Diesel, Railfreight Distribution, No. 37406 'The Saltire Society'



- NEM Couplings & 6 pin decoder socket
- Roof details include air horns & aerials
- Powerful twin flywheel mechanism
- Bi-directional lighting
- NEW tooling variants
- Optional Snowplough fitting



**371-165** Class 37/4 Diesel  
BR Blue Large Logo, No.37407 'Loch Long'



**371-167** Class 37/5 Diesel  
Railfreight Metal Sector, No. 37514



**371-168** Class 37/5 Diesel  
Railfreight Red Stripe, No.37506



**371-169** Class 37/4 Diesel  
DRS, No.37409



Era (8) = 1982 - 1994, Era (9) = 1995 onwards.

features 6 pin DCC Socket. features NEM Couplings.

fitted with directional lighting.

# BACK TO BASICS

Key [www.keypublishing.com](http://www.keypublishing.com)

[www.hornbymagazine.com](http://www.hornbymagazine.com)

## MODEL RAILWAY ESSENTIALS

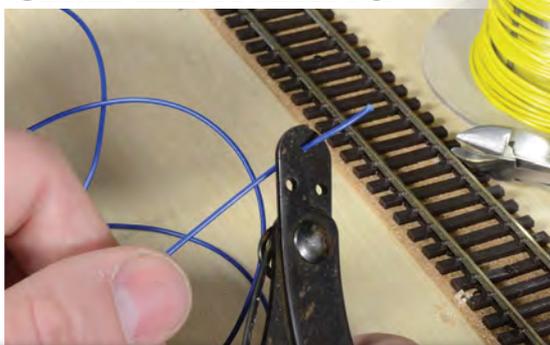
WE  
SHOW  
YOU  
HOW!



**BUILD BASEBOARDS**

**HOUSING A LAYOUT**

**SIMPLE WIRING**



**DIGITAL VS ANALOGUE • TERMINOLOGY A-Z**

# YOUR COMPLETE GUIDE TO LIMITED SPACE MODELLING



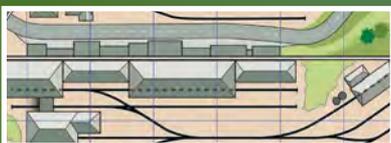
**HORNBY**  
Special magazine

*Hornby Magazine Design Manual* is the perfect publication for those who want to build a model railway but feel that they don't have sufficient space to construct a suitably entertaining scheme.

This new publication from the team behind *Hornby Magazine*, has many ingenious and innovative suggestions as to how you can get around this common problem. Using scale plans, artworks and photographs, this 132-page special magazine gives the modeller everything they need to know to plan, design and build their dream model railway layout.

#### FEATURES INCLUDE:

- Finding the right room for the job
  - **Building the right baseboards**
  - Getting round obstacles
  - **The country branch line**
  - Engine sheds and dioramas
  - **Track, ballast and electrics**
- And much more!



## ORDER DIRECT!

# JUST £5.99 + FREE P&P\*

\*Free 2nd class P&P on all UK & BFPO orders. Overseas charges apply.

Free P&P\* when you order online at  
[www.keypublishing.com/shop](http://www.keypublishing.com/shop)



Call UK: 01780 480404  
Overseas: +44 1780 480404

Monday to Friday 9am-5:30pm

## SUBSCRIBERS CALL FOR YOUR £1.00 DISCOUNT!

# BACK TO BASICS

# Contents

**4-5**

## Housing a layout

Mike Wild discusses the potential spaces for a model railway within the average home.

**6-7**

## Scales and gauges

Mark Chivers highlights the main choices of scale and gauge.

**8-11**

## Building baseboards

Mike Wild shows how to build solid top baseboards.

**12-13**

## Track tips

Top tips for laying track.

**16-19**

## Basic electrics

Mark Chivers explains the principles of model railway electrics.

**20-21**

## Maintenance

How to keep your trains moving reliably.

**22-25**

## DCC vs DC

We pitch the two main control systems side by side.

**26-27**

## Terminology

A-Z of model railway language.

### EDITORIAL

**Editor:** Mike Wild

**Assistant editor:** Mark Chivers

**Sub editor:** Andrew Roden

**Senior designer:** Steve Diggle

### REGISTERED OFFICE

Units 1-4, Gwash Way  
Industrial Estate, Ryhall Road,  
Stamford, Lincs PE9 1XP

### PRINTING

Precision Colour Printing,  
Telford, Shropshire.

### ADVERTISING

Tom Lee

**Email:** tom.lee@  
keypublishing.com

**Tel:** 01780 755131

**Fax:** 01780 757261

### Advertising Production:

Cheryl Thornburn  
Key Publishing Ltd,  
Units 1-4, Gwash Way  
Industrial Estate, Ryhall Road,  
Stamford, Lincs PE9 1XP

**Tel:** 01780 755131

**Fax:** 01780 757261

**Email:** cheryl.thornburn@  
keypublishing.com

### PUBLISHING

**Publisher:** Adrian Cox

**Tel:** 01780 755131

**Fax:** 01780 757261

### Executive Chairman:

Richard Cox

### Managing Director:

Adrian Cox

### Commercial Director:

Ann Saundry

### Sales & Marketing

**Manager:** Martin Steel

PUBLISHING  
**KEY**

**Key Publishing Ltd,**

Units 1-4, Gwash Way  
Industrial Estate, Ryhall Road,  
Stamford, Lincs PE9 1XP

# Finding a HOME for a railway

The average house offers a number of opportunities to house a model railway. **MIKE WILD** assesses the options and points out their pros and cons.

## 1. The garden shed

PROS	CONS
Dedicated railway space	Temperature control
Build it to your specification	Cost of installation
Potential for extension into the garden	Potential for damp
No planning permission required*	Security risk

\* Always check with your local authority before committing to any modifications to your property.

A garden shed can make a great home for a model railway, but it does require planning, thought and a substantial investment. Wooden sheds are readily available but there are variances not just in the overall size but also the timber they are made from and how they are assembled.

Even the most sophisticated wooden outbuildings will need lining internally with insulation and a second 'skin' of either plasterboard or sheet timber. This can be taken further and plastered too for a really smart finish inside. Electrical power will also need to be added to the shed for a model railway and any mains electric installations will need to be carried out by a professional. Security should also be considered carefully – some of this can be overcome by positioning the shed out of view from public roads, but quality locks will be essential to ensure

the safety of your collection.

On the plus side a garden shed allows for a dedicated space for a model railway and for large layouts too. You might even want to extend it into the garden one day for a longer run...



### JOIN A LOCAL CLUB

It is not always possible to build a model railway in your own home, but there is still another option. A local model railway club is a great opportunity to meet likeminded modellers and where club projects mean that you can enjoy building, operating and

detailing a model railway in a social environment. A quick search on the internet or a flick through *Hornby Magazine's Dealer Directory* (issued with HM89) will point you in the right direction of your nearest model railway club or society.



## 2. The loft

The loft space in a property is often used only for storage, but with investment and conversion this substantial space can be converted into a dedicated area for a model railway. This task though is not to be taken lightly. Planning permission will be required for some modifications to the roof structure and use of building trades is essential should you opt for this.

The loft does provide potential for a large

model railway and a dedicated space in a secure location within the home. Do consider access as most lofts are reached via a draw down ladder which isn't always ideal – and particularly when it comes to moving heavy material up for construction of the layout.

If you are serious about developing a large model railway the loft is definitely worth consideration.

PROS	CONS
Dedicated railway space	Cost of conversion and access
Potential for a large layout	Roof truss design
Secure location	Planning permission required
Inside the home	Temperature variations

## 3. The spare room

A spare room in the house is the ideal place for a first starter layout to be built. The costs of setting up are next to nothing meaning that all your funds can be invested directly into building a model railway. Being inside heating is readily available making it comfortable and secure too.

On the down side you might need

to share the spare room with a second purpose and while some spare rooms offer ample space others are best suited to smaller layouts – again this is good for newcomers to the hobby. Also beware of pet fur – it can cause havoc with tiny mechanisms so if you have a dog or a cat it might be worth keeping them out of the railway room!

PROS	CONS
Inside the home	Shared purpose
Comfortable environment	Available size
Minimal set up costs	Spillages on carpet
Secure location	Animal intervention

## 4. The garage

More and more garages are being converted to introduce greater space to homes. Modern cars don't need to be kept undercover and in many cases they won't fit into older style garages anyway.

With this comes an opportunity to create a dedicated area to build a model railway. At its most basic form you could quite literally cover the doors with sheets of timber to stop draughts and start building, but the temperature fluctuations, lack of natural lighting and dust from concrete floors will soon become a problem. A next

simple step might be to paint the garage floor with suitable hard wearing floor paint, reducing the impact of concrete dust.

However, to really make the most of a garage it will benefit from full conversion – although if you live in rented accommodation this is unlikely to be possible. The cost of converting a garage is considerable and while it doesn't require planning permission under most circumstances local traders will be necessary for installation of additional electrics, insulation and stud walling.

PROS	CONS
Dedicated railway space	Cost of conversion
Comfortable environment after conversion	Security risk
Potential for a large layout	Landlord considerations for rented properties
No planning permission required*	Dust from concrete floors
* Always check with your local authority before committing to any modifications to your property.	

### NO ROOM IN THE HOUSE, TRY OUTDOORS...

It's not for the fainthearted but it is perfectly possible to build a model railway in the garden and in all scales from 'OO' gauge upwards. It takes time to establish a firm and level base and a serious amount of maintenance to keep up with track cleaning for each running session and loading up the various train formations you

might want to run. Of course you could combine a garden railway with a shed using the latter as covered storage for the trains reducing the amount of time required to set it up for a running session. However, a garden railway is a seasonal pursuit on the whole and good weather is essential for enjoying all your hard work.

# Scales AND gauges

## 1. 'OO' gauge/4mm: 1ft

This is the most popular British model railway gauge and the models are to 4mm:1ft scale. An impressive, and ever increasing, selection of high quality products including locomotives and rolling stock is available from the main manufacturers as well as a tremendous range of accessories, buildings, kits and more.

'OO' gauge is specific to the UK and utilises 3.5mm:1ft scale ('HO' gauge) track with a gauge of 16.5mm. The correct gauge for 4mm:1ft scale is 18.83mm, so from the start the appearance of track in 'OO' gauge is compromised, not helped by the 3.5mm:1ft scale sleepers on most off the shelf track.

The most comprehensive 'OO' track system available is manufactured by Peco and includes fixed track items, flexible track and a wide range of turnouts. Some items are available fitted with wooden,

concrete or metal finish sleepers to match the prototype.

Many 'OO' layouts face being restricted in size due to available space in a spare room, loft or shed. A fairly basic loop still requires a 6ft x 4ft area while 'L' and 'U' shaped layouts may need more space but take up less room through the use of ingenious track plans and baseboard placement. Elements of compromise are inevitable in 'OO' unless you have a lot of space at your fingertips for scale curves and prototypical train and station platform lengths. A prototypical platform can easily scale out to over 10ft in 'OO'.

The development of Digital Command Control (DCC) equipment, and also DCC sound, has spurred the 'OO' gauge market onwards adding more value to the operation of a model railway through this technology.

Three main scales define the British model railway market. **MARK CHIVERS** reviews the options and offers some finescale alternatives too.



PROS	CONS
Comprehensive range of products	Space limitations
Excellent selection of track types	Limited train lengths
Highly detailed models	Limited station lengths
Easy to handle	Incorrect track gauge
DCC sound play value	Increasing prices

## 2. 'N' gauge/2mm: 1ft

The increased popularity of 'N' gauge – 2mm:1ft scale models on 9mm gauge track – continues, helped by mechanical upgrades and elevated standards of detail which have catapulted it into a different league in recent years. A good selection of track and turnouts is available together with a steadily improving range of accessories.

Whilst 'N' gauge is half the size of 'OO', it actually takes up even less space which means you can get more into the area available enabling realistic train formations and convincing looking stations, with less

compromise. Curves and junctions also appear more authentic in 'N' gauge and the extra space available offers scope for creating striking landscapes and vistas for your model railway to pass through.

A disadvantage to 'N' gauge is its size which can make it awkward to handle. This is particularly important if you have young children as the models may not be as resilient as some of their 'OO' counterparts. Reducing vision can also be a negative factor, as working with a magnifying glass or similar might become frustrating.

PROS	CONS
Realistic curves and train lengths	Reduced level of detail (particularly older models)
Improving availability of products	Large couplings
Good selection of track types	Fiddly parts
Improving detailed ranges	Fewer accessories
Context in landscape	Unsuitable for young children

### COMMERCIAL ALTERNATIVES

While 'OO', 'N' and 'O' gauge have cornered the British modelling market there are other options if you are considering an overseas prototype or just fancy being different and building your own stock.

These include 'OO' scale's near relative 'HO' which features models to 3.5mm:1ft scale running on 16.5mm gauge track. This scale is the preserve of overseas modelling.

Next down the list is 'TT' – 3mm:1ft scale – which was once produced commercially by Triang Hornby. The popularity of 'OO' saw this scale reduced to a minority and now only European models are produced to this scale.

The final commercially available options are the tiny 'Z' gauge – 1.385mm:1ft – and the tiniest of all 'T' gauge which runs on 3mm gauge track.

Both of these tiny scales are dominated by overseas models, although there are suppliers producing British outline models for both scales.

## USEFUL LINKS

■ Double O Gauge Association	<a href="http://www.doubleogauge.com">www.doubleogauge.com</a>
■ N Gauge Society	<a href="http://www.ngaugesociety.com">www.ngaugesociety.com</a>
■ Gauge O Guild	<a href="http://www.gaugeoguild.com">www.gaugeoguild.com</a>



## 3. 'O' gauge/7mm: 1ft

'O' is emerging as an increasingly popular gauge, with a growing selection of ready-to-run products available at reasonable prices. 7mm:1ft models run on 32mm gauge track.

Danish manufacturer Heljan has been particularly prolific, releasing a steady stream of diesel locomotive designs including classes 20, 26, 31, 33, 37, 40, 52 and 55 with more promised, together with matching BR Mk 1 coaching stock and a good selection of wagons on the way too.

Previously 'O' gauge was largely the preserve of kit building, but with more availability as the popularity increases. Ready-to-run track is available, although the selection is not as

comprehensive as that for 'OO' and 'N'.

Space is the biggest constraint as you need plenty of it to gain the full benefit of the highly detailed models available. That detail, however, is exceptional. Locomotives in particular suit the larger scale and truly are miniature replicas of the prototype with plenty of scope for finely moulded bodies and highly detailed cab interiors and underframes.

The size and detail does come at a price, though, with recent diesel ready-to-run models costing around £600 each. Also, given the popularity and the limited edition nature of the 'O' gauge models produced they do sell through quickly.

### NARROW GAUGES

If you have visited any of the Welsh narrow gauge lines such as the Ffestiniog Railway or Vale of Rheidol you might have been smitten by their charm. While narrow gauge modelling has always tended to be a minority compared to standard gauge railways 'OO9' – 4mm scale rolling stock running on 9mm gauge track – has started to receive attention from ready-to-run manufacturers with both Bachmann and Heljan embarking on locomotive projects alongside Peco's development of ready-to-run rolling stock for the scale. If you fancy something large 'O-16.5' – 7mm scale rolling stock running on 16.5mm gauge track – is another option, but requires a high level of dedication to kit and scratch building.

### FINESCALE OPTIONS

If 'OO' gauge isn't fine enough there are alternatives in 'EM' and 'P4' gauge. These use the same 4mm:1ft models as 'OO' gauge but offer accurate track spacing – 'EM' being 18.2mm gauge and 'P4' 18.83mm gauge. Both of these scales require reworking of ready-to-run stock – particularly steam locomotives – or kit building, although in some cases replacement wheelsets are simple replacements for diesel locomotives, carriages and wagons. These scales are for the skilled specialists, although 'EM' seems to be increasing in popularity.

#### PROS

Superb detail  
Realistic models  
DCC sound  
More scope to enhance models

#### CONS

Lots of space needed for lengthy formations  
Higher price of models and accessories  
Limited off the shelf track types  
Sharp curves on smaller layouts

#### ROLLING STOCK AND TRACK MANUFACTURERS

MANUFACTURER	SCALES	WEBSITE
Bachmann	'OO','N','OO9'	<a href="http://www.bachmann.co.uk">www.bachmann.co.uk</a>
Dapol	'OO','N','O'	<a href="http://www.dapol.co.uk">www.dapol.co.uk</a>
Heljan	'OO','O'	<a href="http://www.heljan.dk">www.heljan.dk</a>
Hornby	'OO','N'	<a href="http://www.hornby.com">www.hornby.com</a>
OO Works	'OO'	<a href="http://www.ooworks.co.uk">www.ooworks.co.uk</a>
Peco	'OO','N','O','OO9','O-16.5'	<a href="http://www.peco-uk.com">www.peco-uk.com</a>

# BUILDING

A solid baseboard forms the foundation of every model railway. **MIKE WILD** offers tips and techniques for building simple solid top structures.

# BASEBOARDS

**N**O MATTER HOW SMALL or large, portable or permanent, every model railway will need some form of baseboard and supporting structure to achieve the best results from model locomotives and trains and all the detailing components that go with them.

Like buildings, and the real railway, a sturdy foundation will reap rewards in the future for a layout. If it's too flimsy, track might distort and this can lead to unpredictable running or, in the worst case, a layout which becomes unusable. There are many styles and designs of baseboard. No single design is right for everyone, but the methods remain the same.

Most modellers turn to timber for baseboards. By using the right materials a strong and light board can be built and, depending on your circumstances, they can be designed in a modular format so that a large layout can be dismantled when needed or for exhibition appearances. Alternatively they can be built in as fixtures in the home.

A solid, strong and rigid baseboard is an essential first component of a model railway. This is *Hornby Magazine's* Topley Dale office test track which has baseboards built to the standards described in the step by step guide.

#### READY MADE BASEBOARD SUPPLIERS

■ Elite Baseboards	<a href="http://www.elitebaseboards.net">www.elitebaseboards.net</a>
■ B&R Model Railways	<a href="http://www.bandrmodelrailways.co.uk">www.bandrmodelrailways.co.uk</a>
■ The Goods Yard	<a href="http://www.thegoodsyards.co.uk">www.thegoodsyards.co.uk</a>
■ White Rose Model Works	<a href="http://www.whiterosemodelworks.co.uk">www.whiterosemodelworks.co.uk</a>



## Where to start?

Before starting construction, there are some important questions to ask. How big will the layout be? Will it be permanent or portable? How will it be supported? Where will it be based? And, do you want scenery to rise and fall above the level of the railway?

Size will always be dictated by the space you have available, but the most important decisions are whether it will be portable and if it will have scenery below the level of the railway or just on the same level or above.

A permanent layout could be built simply using 12mm thick chipboard or plywood, but Medium Density Fibreboard (MDF) is less ideal as it is harder to work with due to the fine grain. Plywood combines strength with minimum weight and this makes it ideal for many layouts, something we'll return to a little later on.

Even for small permanent layouts, a timber framework is preferable as it will avoid any chance of the baseboard top warping or distorting due to changes in room temperature or atmosphere. However, chipboard in particular is a strong manufactured board that will remain as a flat surface, so long as it has been stored horizontally prior to purchase.

A portable layout needs to be designed in sections that are manageable. *Hornby Magazine's*

layouts are now always based on 4ft long sections ranging in width from 18in to 2ft and, at the widest, 3ft. These are connected using coach bolts through the end timbers and, by the use of 9mm thick plywood and 69mm x 18mm timber, they are light too. Any number of this style of baseboard can be joined together to form a longer and wider layout so, for example, three 4ft x 2ft baseboards could be bolted together to create a 12ft x 2ft long layout base.

## Solid top

Solid top baseboards are exactly as they sound. Traditionally they have a timber frame with a solid wooden top of either plywood, MDF or Sundeala, and they are often referred to as 'conventional baseboards'.

This style of baseboard has its limitations as scenery has to be on the same level or above the railway so if you are planning a layout with a viaduct or a railway over road bridge they will not be the best choice. However, by including a dropped baseboard in between two solid top boards a viaduct or rail over road crossing can be introduced.

The main advantages of the solid top baseboard are that they are within the ability of anyone who can saw a piece of timber to length, and they require minimal tools and planning.

## TIPS

- When choosing wood for a baseboard top ensure it has been stored flat by the merchant. Wood that is stored standing up has a tendency to warp and twist and this can make it very difficult to work with. The same is true of timber battens.
- Check for large knot holes in the timber as these affect the material's strength. If you buy from a local DIY store it may be necessary to sort through their stock to find the best quality sections on offer. This may take time, but it is time well spent.
- Most mainstream DIY stores, and some local timber merchants, will offer a cutting service at the shop/warehouse. This can save a lot of effort at home as you can purchase board for solid top baseboards cut to your exact dimensions.
- If portability is important then light construction is a must. Plywood between 6mm and 9mm thick is light and strong too, but it will need a timber frame to support it as a baseboard.
- As a rule of thumb measure everything twice before cutting - that way mistakes can be ironed out before wood is cut saving time and money.

## TOOLS

- Set square
- G clamps
- Hand saw
- Mitre block
- Electric jigsaw
- Screwdriver
- Electric drill
- Drill bit set



The solid top also means that the baseboard can be built without knowing exactly where the track or other features will be placed and the size of the layout can be set before track planning starts in some cases. If you want a bit of flexibility, they're a good choice.

Depending on their size and the types of wood used, solid top boards can become heavy to move, but by using light materials such as 9mm thick plywood and a 69mm x 18mm timber frame the weight can be kept down, particularly if each board is limited to a maximum of 4ft in length.

A supporting timber frame underneath the baseboard surfaces gives each board rigidity and strength – essential for a smooth running, reliable model railway. Choose planed – or prepared – timber which has been dried before purchase, but be aware that the dimensions are nominal for planed timber and there may be differences between individual lengths. If you do come across this situation ensure that the top of the frame is at the same level – the bottom of the frame is less critical and the odd couple of millimetres difference won't cause any problems.

There are different thicknesses of timber to choose from but alongside 9mm plywood for the surface we have standardised on 69mm x 18mm planed timber for *Hornby Magazine's* layouts.

Plywood is one of the best materials available

for solid top baseboards. It comes in a variety of thicknesses and due to the way it is manufactured it is also very strong. It is more expensive than some other manufactured boards, but, as a rule, you pay for what you get when it comes to plywood.

This type of board accepts track pins easily using a pin hammer to tap them home and it is easy to cut with either a hand saw or electric jigsaw.

### Joining and aligning

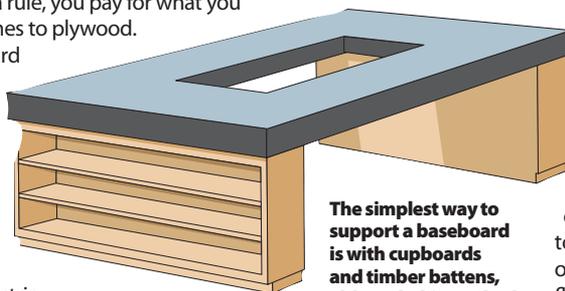
When a layout is split over two or more baseboards they need to be joined and aligned accurately. It is essential that good and consistent alignment is achieved at every join to ensure that trains will cross the joins without derailments and that the scenery doesn't have large gaps in it.

If the baseboards are to be permanently fixed in place, each section can simply be screwed together, but if the layout is to be portable then a means of alignment will be required. Coach bolts and split hinges have been used for many

years by model railway builders, but cabinet and pattern maker's dowels can be used to provide more accurate alignment, particularly for smaller scales and finer tolerance gauges such as 'EM' and 'P4'.

All baseboards, however wide or narrow, will need at least two points of alignment. This could consist of two dowels and one coach bolt, but to avoid any chance of the board joints flexing, two dowels and two coach bolts are preferable. If one coach bolt is used on its own, then the two baseboards will easily twist out of alignment.

Coach bolts were once the primary choice, but regular removal and insertion causes the hole in the baseboards to wear leading, ultimately, to poor alignment. Coach bolts are available in a variety of lengths and diameters and different heads and various nuts are available including square, hexagonal and wing nuts. The latter are easier to tighten by hand whereas the other variants will require either a spanner or a socket.



**The simplest way to support a baseboard is with cupboards and timber battens, although this method does have limitations for larger layouts and it isn't practical for portable models.**

### OPEN FRAME

The term open-frame covers a multitude of baseboard designs. The common factor is that there is no surface covering the whole of the baseboard frame. Instead the surface material is cut to the shape of the trackbed and associated areas. By raising the trackbed on supports, the lineside scenery can rise and fall as required around the railway offering a more natural finish to a layout than a conventional solid top board.

This system does offer a lot of flexibility, but imposes the need to plan exactly in advance. Unlike a solid top baseboard large changes cannot be made without revising the baseboard structure and, as a result, the open frame baseboard is often used by those with greater woodwork skills, although they could be tackled by anyone with planning and patience. Open frame and solid top boards can be mixed together without any problems, but, again, planning is essential.

Once the frame is built, risers can be added to support the trackbed above the level of the frame. With open frame boards the track height can be set at any level and, if you are feeling adventurous, gradients can be installed too with planning. Most open frame boards use plywood for the trackbed for the same reasons it is widely used on solid top baseboards.

### TIP

**The right tools are essential for baseboard construction. A solid workbench, tenon saw or an electric jigsaw are invaluable if you are building a number of baseboards and a set square and tape measure are essential for all baseboard projects.**

### BUILDING A SOLID TOP BASEBOARD



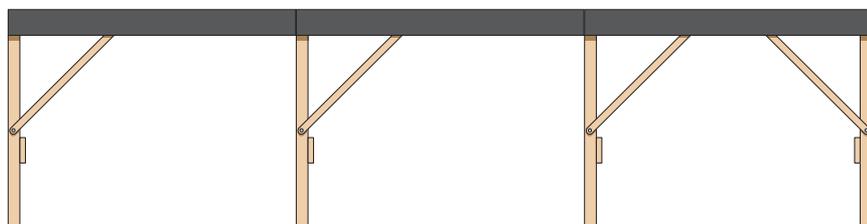
**1** Building solid top baseboards is a simple process, which can be made even easier with the right materials. Using a pre-cut piece of 9mm plywood 1,827mm x 606mm – roughly equal to 6ft x 2ft – we reduce wood cutting to a minimum for this baseboard. Four lengths of 69mm x 18mm timber are also needed to make the baseboard frame. Start by measuring two pieces for the sides of the frame. Mark a line across the width of the timber 1,827mm from the end using a tri-square for accuracy.



Having marked the two side pieces the redundant ends can be cut off using either a jigsaw or a handsaw. Take care when using these tools to ensure a straight cut across the timber.



**3** With the ends of the side timbers cleaned up with sandpaper they can be fitted to the top. Using 3.5 x 35mm long screws the two sides of the frame were attached to the plywood top using an electric screwdriver for ease.



For a solid top baseboard with folding legs, only one board will need two pairs. Additional boards can then feature one pair of legs and then attach to the previous board 'piggyback' style.



Trestles can be used in a similar manner to folding legs. One trestle will need to be positioned under each baseboard joint and at the outer ends.

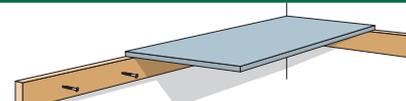
Brass hinges can be used for a simple and quick way to align boards. By fitting the hinge halves either side of a joint, the centre pin can be knocked out using a nail and replaced with a length of metal rod, bent over at the top to stop it falling through the hinge.

Cabinet and pattern maker's dowels provide highly accurate alignment, but coach bolts will also be required, as the dowels offer no means of securing baseboards together.

### Baseboard builders

If you really don't want to build your own baseboards that isn't a problem as there are a number of specialists who make bespoke model railway baseboards to order including White Rose Model Works, The Goods Yard, Elite Baseboards and more. These specialists will build baseboards to suit your needs taking the hassle out of building your own supporting structure for a model railway.

### SUPPORTING A BASEBOARD



Batts screwed to a wall can form a useful support for a permanent layout.

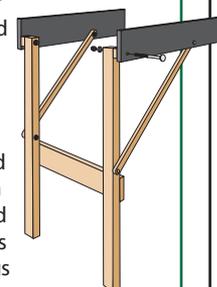
All baseboards, no matter which design principles they follow, will need a means of support to keep them off the floor. Keeping a layout away from the floor reduces the effect of dust and dirt.

Many layouts run along one or more walls in their space and **batts** fastened to a wall provide a simple and effective way of supporting at least one side of a model railway. The front edge can be supported in a number of different ways. Timber legs either 2in x 1in or 2in x 2in are the usual choice and these can be screwed to the baseboard frame for permanent layouts. Another alternative for home based layouts is to use **bookcases** to support areas of the baseboard, but these can restrict underside access, so this method is best used sparingly.

Portable and movable layouts require a different approach. With this type of baseboard the legs need to be easily transportable and collapsible. The most common solutions are to use legs that fold into the baseboard or separate trestles.

With **folding legs** common practice is for

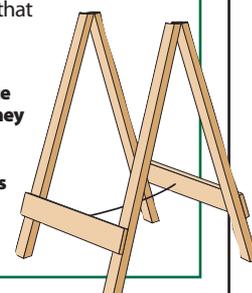
one baseboard to have four legs, one at each corner, and for the other baseboards to have only two. The four-legged baseboard is erected first and then the other baseboards are joined to it, the legless end of each baseboard being supported by its neighbour – known as 'piggy-back'. The folding legs will need a diagonal brace to keep them in position when they are folded down. This is usually a length of timber which either bolts to the baseboard structure or uses a hinge to fix into place. Each pair of legs will also need at least one cross brace to keep them aligned.



For portable layouts, folding legs are a good choice. They can be designed to swing up inside the baseboard for transport.

**Trestles** are a useful way of supporting a layout. They can either be purchased ready-made from DIY stores or made from hinges and timber. Each trestle is free-standing and at least two will be needed to support a single board layout. For larger layouts built from several baseboards a trestle can be positioned under each baseboard joint. Each trestle consists of two pairs of legs that are hinged together. A means of stopping them moving apart is needed, which can be as simple as a piece of string or a brace that bolts in place.

Trestles are a firm favourite with exhibition layouts. They can be purchased ready-made or built to fit from hinges and timber. Trestles are free standing and separate from the main baseboards.



To make the end timbers for the frame, measure the space between the two outer timbers carefully at each end. We have found that the distance usually varies by a couple of millimetres from the original cutting of the plywood top.



Having measured and cut the end pieces, they can be pushed into place and fixed to the outer frame timbers with screws. It will make this job easier if you drill a pilot hole through the side timber ends to accept the screws and save splitting the wood.



Having measured the braces for the centre of the baseboard they were marked up using a tri-square, tape measure and pencil before being cut to length.



Before fitting the cross braces three 8mm diameter holes were drilled at each end of each brace for wires to be fed through. Doing this now saves a headache later. 3.5 x 35mm screws were used to fix the cross braces to the baseboard frame sides.



To complete the baseboard, screws were added through the baseboard surface into the end and cross braces to provide a rigid and sturdy base for the layout. This model will be supported by a pair of our standard trestles, but could equally be supported by drawers or simpler straight legs.

# 10 TOP TIPS

# TRACK LAYING

Well laid and reliable track is essential for an enjoyable model railway.

**MIKE WILD** offers *Hornby Magazine's* top ten tips for laying track.



PIN IT

3

Track pins are available in a variety of sizes and diameters – the finer they are the better they look, but this means they are much more difficult to tap into the baseboard. We prefer to use Peco's ST-280 track pins which are a larger diameter but much easier to work with. Always use a pin hammer to tap the pins home – don't be tempted to use a full size hammer as it will more than likely damage your track!

CUT IT

4

Set track pieces don't require any cutting as they are designed to pre-set sizes and geometry and fitted with rail joiners too. However, flexible track can be cut to length and made to fit specific areas and offers a more realistic track flow. To cut it you will need either a junior hacksaw, razor saw or a minidrill with a cutting disc. Take care to protect your eyes if you are using a minidrill as the cutting discs can fracture if they catch or get too hot during cutting.

1

UNDERLAY



An underlay such as cork or specially designed foam products makes a big difference to the operation and appearance of a model railway. As well as providing sound deadening, underlay will also allow creation of a realistic ballast 'shoulder' should you go down the loose ballasting route. Our choice is always 1/16in cork sheet cut down to the width of the sleepers after track laying.

2

RAIL JOINERS



Picking the right rail joiners for your track is essential – different sizes are available for different scales and also for the different rail profiles. When fitting rail joiners always ensure that both rails are fully aligned in the joiner – use pliers to ease them into position and leave a small gap, no more than 1mm, to allow for expansion of the rails.

5

FLEXIBLE TRACK JOINTS



Joining lengths of flexible track takes a little more work than set track items. Rail joiners are supplied separately and in order to fit them the chairs need to be cut off the first sleeper to make a small gap for the joiner to sit in below the rail. To do this turn the track on its side and, using a craft knife with a sharp blade, carefully slice the chairs off. Rail joiners can then be slid onto the track end.

## USEFUL LINKS

MANUFACTURER	WEBSITE	PRODUCT RANGE
Hornby	<a href="http://www.hornby.com">www.hornby.com</a>	Set track and flexible track range for 'OO'
Bachmann	<a href="http://www.bachmann.co.uk">www.bachmann.co.uk</a>	Set track range for 'OO' and 'N'
Peco	<a href="http://www.peco-uk.com">www.peco-uk.com</a>	Set track range for 'OO', 'N', 'OO9' and more plus flexible track range for 'OO', 'N' and 'O'
C&L Finescale	<a href="http://www.finescale.org.uk">www.finescale.org.uk</a>	High fidelity track systems for 'OO', 'EM' and 'P4' plus point kits and copper-clad strips
SMP	<a href="http://www.marcway.net">www.marcway.net</a>	High fidelity track systems for 'OO', 'EM' and 'P4' plus point kits

Smooth running track will result in an enjoyable model railway. This layout was laid with Peco code 75 finescale track using readily available off the shelf points.



6

## JOINING TRACK TO POINTS

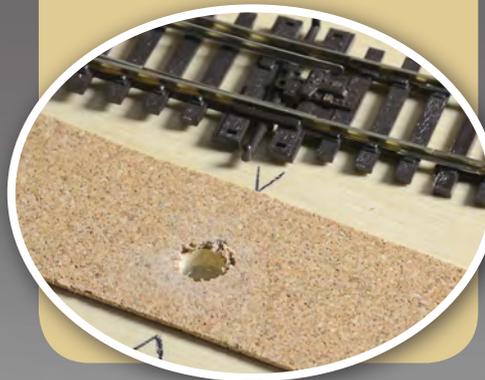


To join two lengths of flexible track to a point requires a small modification to allow the sleepers to fit together. All you have to do is cut the first three sleepers down at an angle – the first against the rail chair, the second a third of the way from the chair to the outer edge and the third two thirds of the way from the chair to the outer edge. With these three small cuts done two lengths of flexible track can comfortably be connected to large and medium radius points.

8

## POINT MOTOR HOLES

If you are planning on adding point motors for hands free point operation the tracklaying stage is the time to consider it as you will need a hole underneath the centre of the point. Here, for Peco's PL-10E (extended pin solenoid point motor) we have drilled an 8mm diameter hole underneath the centre of the point. Once this is done the point is prepared for point motor installation, but you can come back to it at any time in the future without having to disturb the track.



## BASEBOARD JOINTS

If you are building a portable layout – or you want to be able to keep your layout when moving house – you will need to be able to cut the track at the baseboard joint. This isn't quite as simple as pinning it down either side and cutting it as the fixings will be weak. For a

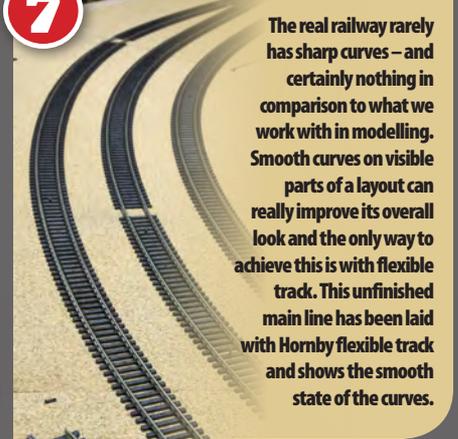
strong joint we use strips of copper-clad board cut to match the width of sleepers – with the copper covering scored through on each side to stop short circuits – and pin it down either side of a baseboard joint. These copper sleepers are then soldered to the rails forming a strong fixing point. If your track curves across a baseboard joint add a larger number of copper-clad sleepers then cut through them with a cutting disc in a minidrill after completing the soldering process. Once this is all complete you will then need to add dropper wires either side of the baseboard joint to transmit power across the break.



9

7

## SMOOTH CURVES



The real railway rarely has sharp curves – and certainly nothing in comparison to what we work with in modelling. Smooth curves on visible parts of a layout can really improve its overall look and the only way to achieve this is with flexible track. This unfinished main line has been laid with Hornby flexible track and shows the smooth state of the curves.

10

## WEATHERING IT!



Weathering makes all the difference to the appearance of model railway track and can transform it. Rather than just weathering the rail sides, we take a blanket approach to the first stage of track weathering using Humbrol No. 29 brown spray paint. Having covered the point blades with masking tape – essential if you are to spray paint your track – the whole track formation is sprayed brown. Once it has dried the railheads need to be cleaned with a track rubber to remove paint from them and your track will look much more realistic. Further weathering colours can be added to the rail sides too for greater realism.





Tel: **0151 733 3655** [info@ehattons.com](mailto:info@ehattons.com)  
364-368 Smithdown Road, Liverpool, L15 5AN

Phones Open 7am to 9pm Mon to Thu 8am to 6pm Fri & Sat 10am to 4pm Sun  
Shop Open 8am to 6pm Mon to Sat 10am to 4pm Sun

13,000+ items available on [www.ehattons.com](http://www.ehattons.com)

### Step 1: Planning



The first stage in building your model railway is planning the design and layout of your track. To help you we stock a range of planning books, DVDs and CD-ROMs from Hornby and Peco, all available at [www.ehattons.com](http://www.ehattons.com):

- R8145 Hornby TrackMaster CD-ROM
- STP-OO Peco OO gauge Setrack plan book
- IN-1 Peco N gauge Setrack plan book
- SYH01 Peco "Shows You How" Layout planning
- SYH06 Peco "Shows You How" Making a start in OO



SYH01



R8145



STP-OO



Analogue controllers



DCC controllers



Point motors & switches



DCC decoders



Cables & Wires

### Step 2: Track

We stock the complete range of Hornby and Peco track in OO, N and O gauges in 1st, 2nd, 3rd and 4th radius. We also have the entire range of points and curves in both insulfrog and electrofrog, setrack and finescale, rigid and flexible. At [www.ehattons.com/OOtrack](http://www.ehattons.com/OOtrack) you'll find everything you need to turn your designs into reality.



### Step 3: Electrics

Whether it's analogue control or DCC we have a great range of controllers to help run your model railway. We also stock a huge range of switches and point motors from manufacturers such as Peco, Hornby, Gaugemaster, DCC Concepts and Expo. We also have a fantastic range of DCC decoders from a whole range of manufacturers, including Bachmann, Hornby, DCC Concepts, Gaugemaster, Lenz and NCE. To find out more visit [www.ehattons.com/electrics](http://www.ehattons.com/electrics).

### Step 4: Techniques

For everything from painting, weathering and masking, to filling, soldering and kit building, Hatton's have all the tools and products you'll need in order to master all the techniques required for putting together your model railway. Whether you're constructing buildings from scratch or painting and weathering your locos and stock, you'll find a great selection of modelling tools and products online and in store.



### Step 5: Scenery



Scenery helps bring your layout to life and at [www.ehattons.com/OOscenics](http://www.ehattons.com/OOscenics) you'll find everything you need to help you to add realism to your project. We offer a great range of scenic and modelling items from all the leading manufacturers such as Woodland Scenics, Bachmann, Hornby, Javis and Busch.



Hedges & Trees



Ballast & Scatter



Grasses & Walls

### Step 6: Buildings & Structures

You can add the finishing touches to your layout with buildings, signals and other scenic items such as turntables, level crossings and lights. We have hundreds of different products in all gauges from all the leading manufacturers, including Bachmann's Scenecraft and Hornby's Skaledale ranges - find them on [www.ehattons.com](http://www.ehattons.com).



### Step 7: Locos & Stock

When you've finally built your layout, the track and ballast are down, the wiring is in place, it's set up for analogue or DCC, and the scenery is in place with all the buildings and lighting and other finishing touches that make it unique, the final step is to get your locos and rolling stock running.

Whether they're straight from the box and onto the track, or whether you want to add some extra detail and finishing touches to your locos, coaches, wagons and trucks, Hatton's have everything you need to help you get the right look and feel for your model railway.

We also have a great range of products that will help you to service and maintain your locos and rolling stock. Everything from lubrication and oiling, rolling roads and loco lifts, through to cleaning tools and products. At [www.ehattons.com](http://www.ehattons.com) you'll find everything you need to keep your model railway running smoothly.



Track cleaners



Rolling roads



Servicing kits

# DCC decoders & DCC Fitting Service

*Hatton's*

Est. 1946



## Want your loco DCC fitted?

Our DCC fitting experts can now fit DCC decoders to your locos for you prior to despatch.

**Service available on New and Pre-owned items for OO & N gauge locos (where possible)**

Simply add the relevant DCC Fitting Service (below) when placing your order with us **online**, on the **phone**, or in the **post**



## DCC is easy as 1, 2, 3 . . .

STEP 1: **D**ecide on your loco

STEP 2: **C**hoose your DCC decoder(s)  
(Decoders sold separately)

STEP 3: **C**hoose the relevant DCC fitting service

We will then fit your loco, test it to our strict standards, and ship it out as normal.

## DCC Fitting Service Prices

Fit 8 or 21 pin decoder(s) into DCC Ready items:

SrvDCCFitReady01	1 decoder	£12
SrvDCCFitReady02	2 decoders	£17
SrvDCCFitReady03	3 decoders	£21

Solder decoder(s) into DCC compatible items:

SrvDCCFitComp01	1 decoder	£17
SrvDCCFitComp02	2 decoders	£22
SrvDCCFitComp03	3 decoders	£26

## Upgrading existing stock? No problem!

### Easy 5 Step Process:

1. Download a form from [ehattons.com/dccfitting](http://ehattons.com/dccfitting)
2. Send us your locos (see below for postage options)
3. Our experts fit & test the items
4. Locos are checked & we phone you for payment
5. We send the DCC fitted loco back to you

### POSTAGE OPTIONS:

You can send your locos to us in whatever way is best for you

- Send them yourself
- We collect them for £10 with City Link
- We email/post you a £5 label for each box

Phone opening times  
Mon to Thu 7am-9pm  
Fri & Sat 8am-6pm  
Sun 9am-5pm

Shop opening times  
Mon to Sat 8am-6pm  
Sun 10am-4pm

## Building a Model railway?

We hope you have been inspired by what you have seen and you now want to get going on that layout you always wanted, or another one for that space in your spare room. Whatever your inspiration there is a product for you at Hatton's Model Railways.



The items featured in this advert are just a sample of what we have to offer. You can view our entire range of **over 13,000** modelling & layout items, locos, rolling stock, diecast vehicles and plastic kits at [www.ehattons.com](http://www.ehattons.com), or for any further advice send us an email at [info@ehattons.com](mailto:info@ehattons.com) or give us a call on **0151 733 3655** and one of our customer service team will be happy to help you out.

We are proud to be attending the Alexandra Palace Model Rail Show on 28th & 29th of March 2015.

**LONDON FESTIVAL OF RAILWAY MODELLING**  
ALEXANDRA PALACE, N22 7AY

In Association with The Model Railway Club

We will be offering on-the-day fittings for locos purchased at the event.

We carry a great range of 6, 8 & 21 pin decoders from the following manufacturers:

DCC concepts



**UK P&P £4**

Tracked & Signed For

**All locos fully tested before despatch**

[www.ehattons.com/dccfitting](http://www.ehattons.com/dccfitting)

# BASIC

All model railways no matter how big or small will need a power supply to operate. **MARK CHIVERS** explains the basics of model railway wiring and shows how to connect power to the rails.

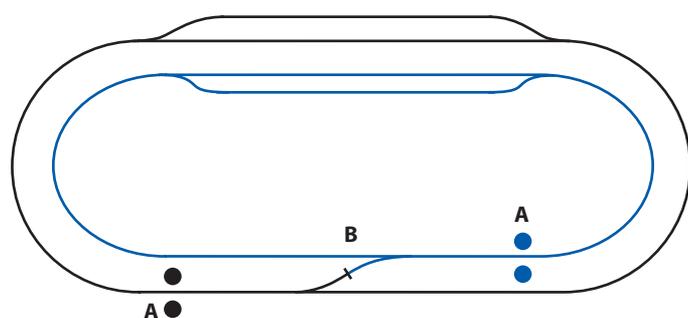
# ELECTRICS

### DIAGRAM 1

This double circuit diagram is designed for use with insulated frog points and is quite simple requiring two track feeds (A) to be installed at the toe of each set of points, one for the inner and one for the outer circuit. By feeding power to each circuit separately they will be capable of being controlled independently under analogue control. Under Digital control both track feeds can be connected back to the same output on a DCC controller base unit.

Back to analogue and these power connections should each

be fed back to switches on a control panel or to separate power controllers. To prevent an electrical short circuit between the two loops, insulated rail joiners need to be inserted on both rails between the points at the junction (B). This setup will allow trains to run independently on each circuit with the insulated frog points controlling and isolating power to the station loops. Incidentally, by carefully setting the power controllers to both circuits at the same speed, a smooth transition between the inner and outer circuits can be achieved.



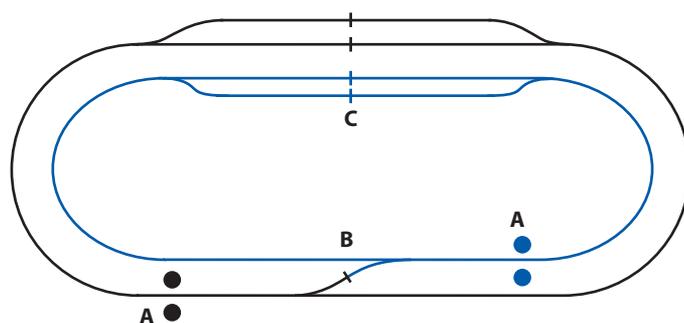
### DIAGRAM 2

This diagram is similar to the previous Diagram 1, but is designed for use with live frog points. These differ in that the frog 'vee' is also formed of metal rail and so electrical continuity is improved with less chance of locomotives stalling.

This does, however, add a complication as extra section breaks need to be placed round the layout to prevent electrical power being fed back through the frog at the trailing ends of points and causing a short circuit. To do this we have to introduce additional insulated

plastic rail joiners to the circuit. Track feed connections have been kept at the same positions (A) together with insulated rail joiners to both rails at the junction (B).

The main difference on this plan is the addition of four insulated section rail joiners - one on each rail within the station loops (C) to prevent short circuits. These insulated joiners are required under both analogue and digital operation when using live frog points and without them a layout like this simply won't work.

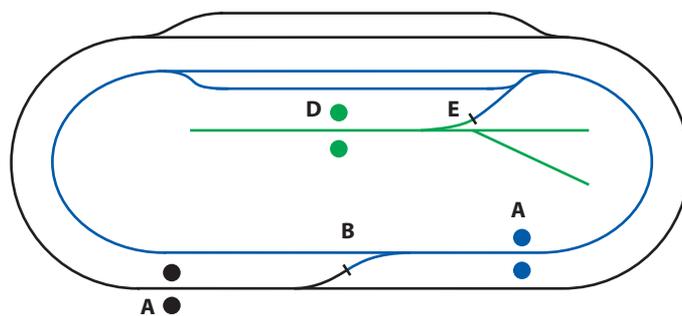


### DIAGRAM 3

For extra operational variety, a headshunt with two kickback sidings has been added to the basic insulated frog twin circuit. Whilst the two main circuit track feeds (A) remain the same, a third (D) is installed at the toe of the point in the headshunt. This will enable the sidings and headshunt to operate independently of the two circuits with installation of a third analogue controller, allowing you to shunt the yard, for example, while trains run on the main lines. Alternatively the

power feed for the headshunt could be connected to the same controller as the feed for the inner circuit meaning that only two controllers are needed for basic analogue operation. Under digital control all three power connections can be connected back to the base station - the decoders in locomotives taking care of which locomotive moves.

Another insulated section break is required to both rails between the station area and head shunt (E) to ensure this operates without issue.



**O**NCE YOU HAVE DECIDED on a trackplan for your layout, the next step is to consider how you are going to power it. This can be a daunting task, particularly if electronics aren't your strong subject, but it doesn't need to be and a few simple steps and some basic knowledge will help you along the way.

A good starting point is to gather together a selection of suitable tools such as wire strippers, side cutters and some 7/0.2mm multi-core wire in a selection of colours. This wire is ideal for model railway use and is formed of seven individual strands of 0.2mm diameter wire within the plastic insulation.

The next consideration is whether to use analogue or digital control. Analogue control is easy to set up, and with most model locomotives designed to run from a 12V DC power source, it's simple to use too. The system works by varying the power voltage to the track to control the speed of a locomotive. This is achieved by using the throttle control on the unit and switching the track polarity to operate

a train in forward or reverse.

Digital Command Control (DCC) is different in that it feeds a constant voltage to the track and uses this to transmit information to locomotives and accessories which is interpreted by onboard decoders. These then set the speed and direction which a locomotive will follow.

Whichever control type you decide, both will require a series of track feeds to be connected before they will operate. Reliable electrical wiring is important: done properly it should reward you with trouble-free running for many years. If it's not done so well you may endure frustrating times ahead.

### Insulated or live points

Another important consideration is the use of insulated (or 'dead') frog points or live frog points. Insulated frog points feature a small plastic frog or 'vee' where the two exit tracks diverge. This, in effect, isolates power to one route while powering the chosen direction. Live frog points are different in that they feature a continuation of the metal rail to form

the 'vee' and this helps to improve electrical continuity, which particularly suits short wheelbase locomotives. This type of point does require sections of the layout to be insulated as power can be fed back along the opposite side of the 'vee' to the route set, and potentially conflict with track power of the opposite polarity, causing a short circuit.

Irrespective of control type, when installing track feeds always place them at the toe of points for the flow to work as expected and consider which rail will be connected to the positive feed wire and which will be connected to the negative return wire. Work as neatly as possible, decide on a colour code for the track wiring and stick to it as it will help to trace short circuits or faults should they occur.

The following diagrams show a number of insulated frog and live frog scenarios with associated track power feeds and isolated section breaks. Whilst primarily designed for analogue operation they are equally suitable for digital operation too, with simpler power connections requiring just one controller and no switches. ■

#### DIAGRAM 4

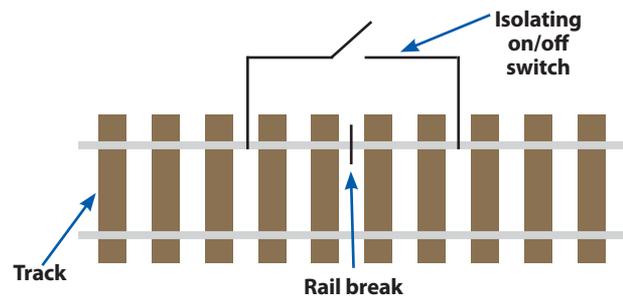
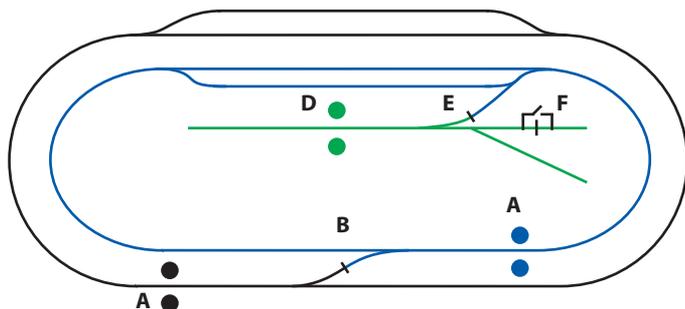
A major difference between DCC and analogue control is the ability to control more than one locomotive on the same track. DCC offers the flexibility to stable locomotives wherever

you wish, while on analogue controlled layouts you will need to decide where you wish to stable locomotives and create isolated sections.

A point, either insulated or live

frog, can be used to create an isolated section by setting the point against the line you want to deprive power to, but for more than one locomotive on a track a simple on/off switch per isolated

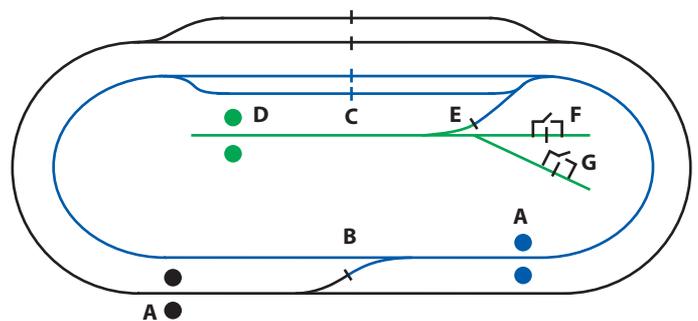
section will suffice (F), as shown. To create an isolated section you will need to create a break in one of the running rails and then connect wires either side of the break (see below).



#### DIAGRAM 5

For clarity, this diagram shows how to achieve the same setup using live frog points with the addition of an extra isolated section in a second siding (G) – the main difference being the inclusion of insulated rail joiners on the main line loops as per **Diagram 2**. Depending on the length of the siding you could add more isolated sections for

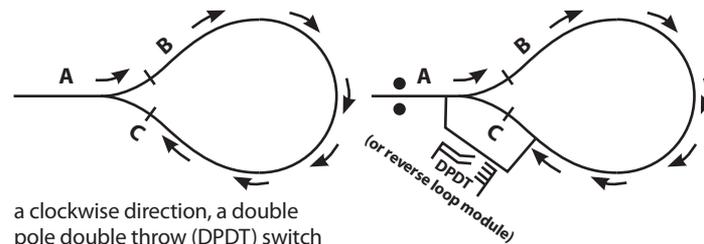
more operational flexibility if you wish. Remember to measure your longest locomotive and ensure the length of each isolated section accounts for this. Track feeds remain as before (A/D) together with insulated rail joiners inserted to both tracks at the inner and outer circuit junction (B), station loops (C) and head shunt area (E).



#### REVERSE LOOPS

A reverse loop is a track configuration which allows trains to turn back on themselves. They are particularly popular as storage areas on layouts with a number of double-ended sidings forming the loop. However, there is potential for a short circuit with a reverse loop.

Seen here in its simplest form, as the train moves from the single track (A) to the loop (B) in



a clockwise direction, a double pole double throw (DPDT) switch is set for that section but the train must stop before reaching the isolated break (C). Once the

point is changed to allow access to the single track (A) for the return journey, the switch is changed for

that section (C) and power restored to the track, remembering that the controller must be set in the reverse direction.

For DCC users there are specific reverse loop modules available which take the complexity out of reverse loops and deal with the electrics for you, delivering smooth operation into and back out of the loop without the train having to stop.

# TRACK FEEDS

Track feeds should be connected to the control panel or power controllers in similar fashion to each other to ensure the polarity to each rail remains the same. For ease and clarity when installing the feeds, use one colour for the feed wire

and another for the return wire on each circuit and feed all wires back to the appropriate terminals on the respective control panel switches or power controllers, treating each circuit the same. A colour code will pay dividends if you need to trace

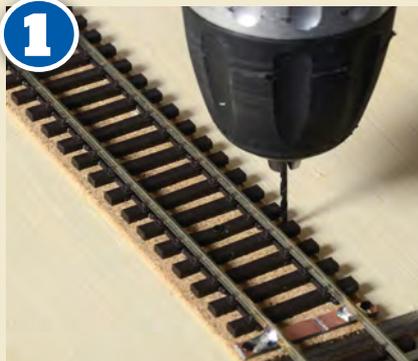
faults or short circuits in the future.

There are a number of power connection options available with Hornby and Peco offering commercial products. Peco's pre-wired rail joiners are particularly useful and avoid the need for

soldering. If you are confident with a soldering iron, each track feed wire should be carefully soldered to the respective rail, ensuring you keep the soldering iron away from the plastic sleepers – see step by step guide below.

## SOLDERING POWER FEEDS TO RAILS

1

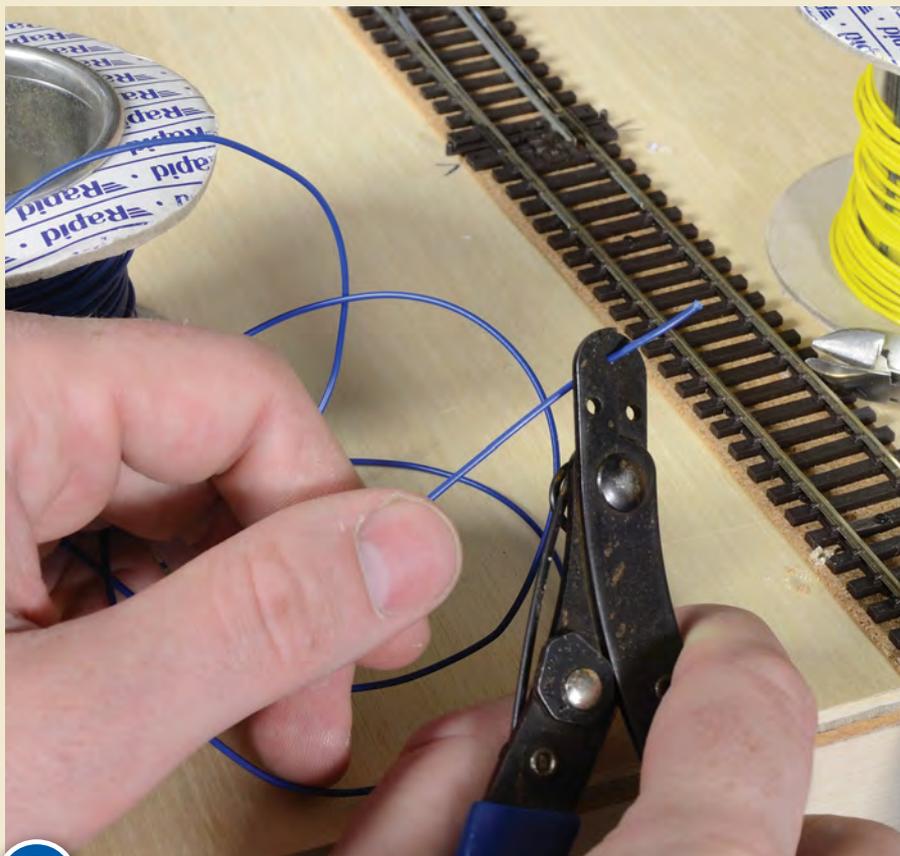


Here we are using 7/0.2 multi-core wire to add power connections to a section of track - that's seven strands of 0.2mm diameter wire inside the plastic insulation. Multi-core wire is by far the best and most reliable option for model railway wiring as it withstands bending and flexing infinitely better than single core wire. To allow the wire to pass through the baseboard drill a 2mm hole at each wiring location.

2

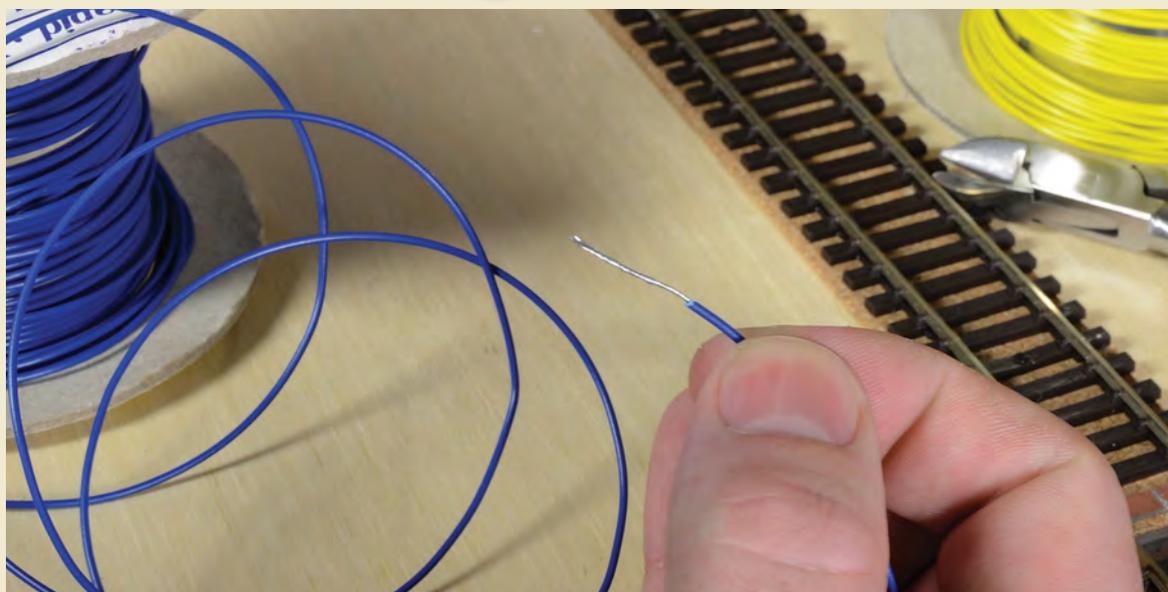


Having drilled holes for the first wires the next step is to prepare the wires for soldering to the rail sides. You will need two wire colours – we used blue for the near rail and yellow for the far rail – plus a pair of wire strippers and a set of side cutters.



3

Bare the end of the wire to be soldered to remove the insulation. We remove around 15mm-20mm so that it is easier to conceal the wire during ballasting.

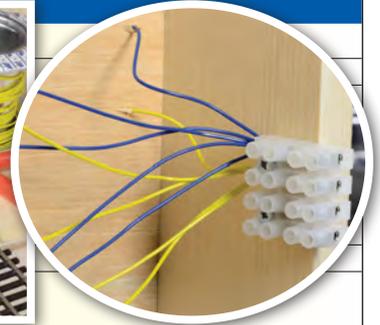


4

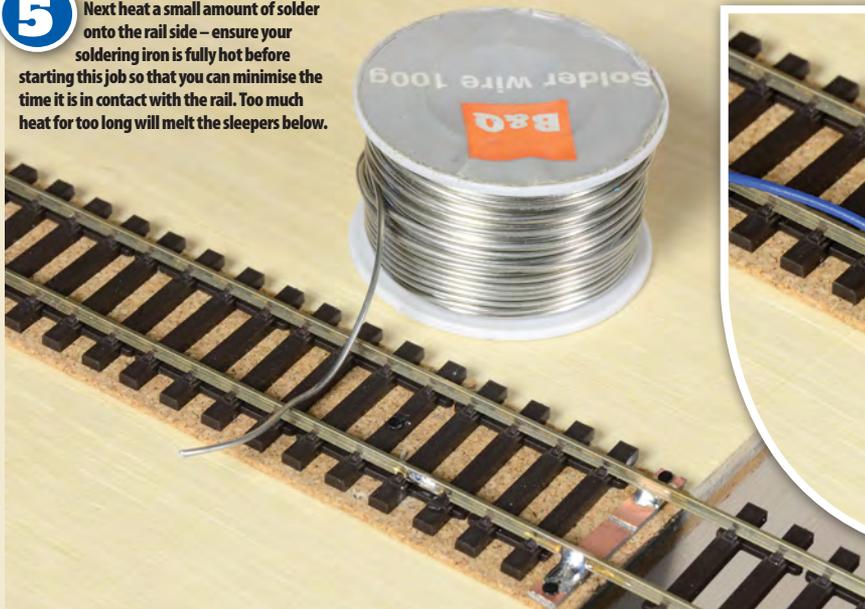
Having stripped the insulation twist the strands of multi-core wire together to form a 'single' wire. This can now be tinned by heating up a small amount of solder onto the wire which helps it bond to the rail more effectively.

## USEFUL EQUIPMENT

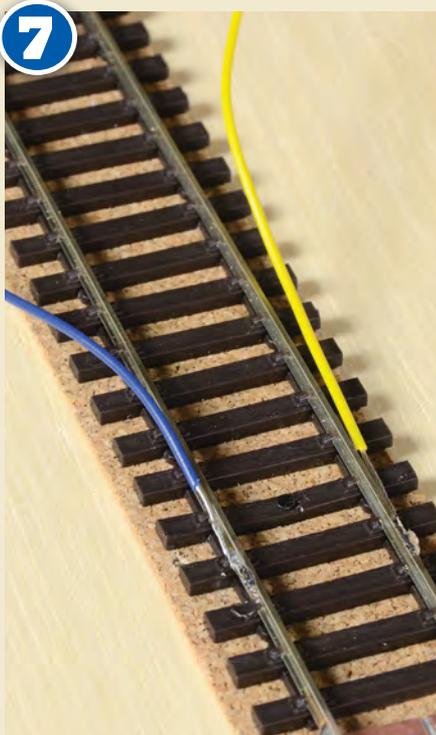
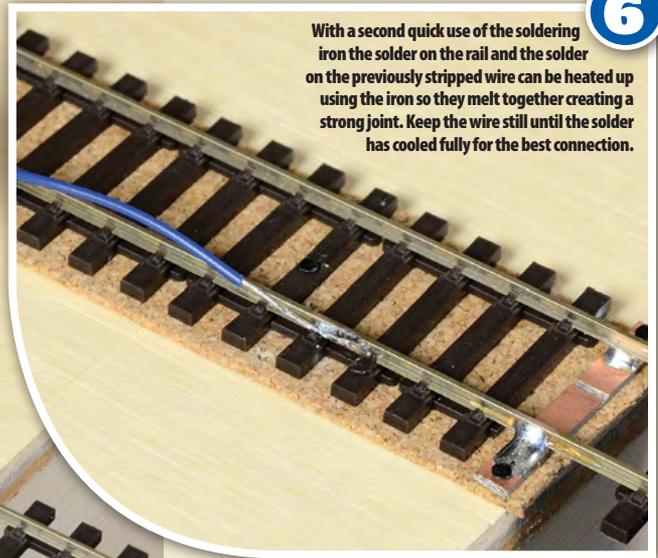
TOOL	PURPOSE
7/0.2mm multi-core wire	Layout wiring
Electric drill and 2mm drill bit	Drill holes in baseboard for power feed wires
Insulating rail joiners	Create insulated section breaks
Plug-in terminal blocks	Connect wires between baseboard joints
Soldering Iron	Solder power feeds to rails
Solder	Bond wire to rails
Switches	Power on/off and DPDT section switches
Wire strippers	Remove insulation from wire ends
Wire cutters	Cut lengths of wire



**5** Next heat a small amount of solder onto the rail side – ensure your soldering iron is fully hot before starting this job so that you can minimise the time it is in contact with the rail. Too much heat for too long will melt the sleepers below.



**6** With a second quick use of the soldering iron the solder on the rail and the solder on the previously stripped wire can be heated up using the iron so they melt together creating a strong joint. Keep the wire still until the solder has cooled fully for the best connection.



The same process can now be repeated for the opposite rail at this location to add a yellow wire to the right-hand rail. The wires were then cut from their reels, deliberately over length so that we had more than enough wire to reach the planned terminal block underneath the board.



The wires can now be threaded through the 2mm diameter holes made earlier.



Pull them through from underneath and once complete they should be virtually invisible, except under close scrutiny.

# Maintenance

The Tidy Track system from Woodland Scenics includes the 'rail tracker' cleaning head, handle and pads which can be used in various configurations to clean 'OO', 'N' and 'O' gauge track. It is highly effective and the handle makes it easier to reach awkward places on a layout.

**I**F I HAD A POUND for every time I had been asked how I keep our exhibition layouts running so smoothly I'd be much better off! The fact is there is no secret formula or special remedy - it just comes down to cleaning.

Maintenance is an essential part of keeping any model railway running and it doesn't matter how big or small, or simple or how complex it is, if you have dirty track or dirty wheels on your locomotives it won't perform to its best. This doesn't have to be a problem though and it is very simple to keep the rails clean using readily available products.

The first, and essential, step is to always ensure that the layout is free from dust and debris. A household vacuum cleaner will do a superb job of removing heavy dirt and dust, but always use one carefully around a model railway as they have a habit of removing items that you don't want them to!

## Rail cleaning

When it comes to track cleaning there are many products on the market ranging from simple track rubbers through to all in one machines which will actually clean your layout for you while they run around it. There are conversion kits for brake vans to add cleaning rollers, but to get started in keeping your trains running all you really need is a simple means of cleaning the rail heads and cleaning locomotive wheels.

The most basic form of maintenance comes in the form of a track rubber to clean railheads and a wheel cleaning brush to keep locomotive wheels spotless and ready for action. However, for something a little more sophisticated Woodland Scenics, part of the Bachmann portfolio, produces the Tidy Track system which consists of rail cleaning pads, track cleaning fluid and a specially designed handle to support the 'rail tracker' which holds the cleaning pads. This set is very effective and we were quite shocked and impressed by just how much dirt it removed from the railheads of our regularly cleaned office test tracks... so much so that the Woodland Scenics cleaning kit has been added to our essential cleaning kit for exhibition layouts.

There are other products which are essentials



In service the Woodland Scenics Tidy Track 'rail tracker' makes quick work of cleaning rails.



The Peco wheel cleaning brush is a long standing piece of equipment. The brass brush supplies power to one side of a model and the metal prong to the other to rotate a model's wheels during cleaning.



The simplest and most economical method of cleaning rails is a track rubber such as this. A number of manufacturers make these including Gagemaster and Peco. Be careful using them around points as they can leave debris behind if used intensively.

for us too. We never leave home for a show without a bottle of Deluxe Materials Track Magic formula which aids conductivity. We use this both to keep point blades clean as well as in small quantities to keep locomotive pick-ups clean too.

## Wheel cleaning

Locomotive wheels need to be scrupulously cleaned - it's no good having clean rails if the wheels of your models are caked in black dirt. Again there are multiple options and we've had various successes with different wheel cleaning apparatus. An old favourite is Peco's longstanding wheel cleaning brush which can

be connected to track power and used to turn the wheels of a locomotive. The brass headed cleaning brush makes short work of stubborn dirt, but this process always requires a model to be inverted.

There are a number of wheel cleaning devices designed to have models stood on top of them and recently Woodland Scenics has introduced its Roto Wheel Cleaner with designs for both 'OO' and 'N' gauge. Having trialled the 'N' gauge version we can highly recommend these designs as they are very useful and simple to use - and particularly if you have a large fleet of locomotives.

To keep the trains moving means keeping rails and wheels clean and mechanisms in fine fettle. **MIKE WILD** explains how he keeps *Hornby Magazine's* models and layouts in full running order.

# Performance



## USEFUL LINKS

■ Gaugemaster	<a href="http://www.gaugemaster.com">www.gaugemaster.com</a>
■ NYE Lubricants	<a href="http://www.newgateonline.com">www.newgateonline.com</a>
■ Peco	<a href="http://www.peco-uk.com">www.peco-uk.com</a>
■ Woodland Scenics	<a href="http://www.bachmann.co.uk">www.bachmann.co.uk</a>

The Woodland Scenics Tidy Track Roto Wheel Cleaner is a simple and effective means of cleaning locomotive wheels. Versions have been produced for 'OO' and 'N' gauge – this being the 'N' gauge wheel cleaner.



Deluxe Material Track Magic is a product that goes everywhere with our exhibition layouts. It is ideal for cleaning points blades and locomotive pick ups in all scales.



Gaugemaster produces this handy wheel cleaning station for 'OO' and 'N' gauges. Metal clips connect it to the track to pick up power and rotate a model's wheels.

All models will benefit from light oiling from time to time, but always do this sparingly – too much oil can be just as bad as none at all. Use oils specifically designed for model applications – don't be tempted to nip in the garage and pick up a can of 20W50!



## Lubrication

Like any mechanical device model railway locomotives will benefit from light oiling from time to time. The majority of new models come pre-oiled from the factory meaning that you won't need to worry about this straightaway – that is unless you are working in 'N' scale where some manufacturers' locomotives require oiling before first use.

Lubrication always needs to be done sparingly. A tiny drop of light model oil will do far more good for a locomotive's mechanism than making it swim in oil – and besides, any excess oil will soon be deposited on visible parts of the model,

your track and anywhere else it feels like going. A little bit of oil goes a long way, especially in our small scale models.

Most locomotives will need periodic oiling of the geartrain, although modern lubricants have long lives inside models, while steam locomotives will benefit from very light oiling of the main pivot and movement points in their valve gear.

The choice of oils again is varied, but for starters a light model oil such as that produced by Fleischmann is a good all in one choice while if you are a serious modeller with a large fleet of hard working models the NYE Lubricants Hobbyist Lubricant Kit is an excellent choice

containing oil suitable for plastic and metal gears as well as a plastic compatible grease. A large number of manufacturers produce suitable oils so it is worth shopping around for your final choice.

## Reliability

The result of a well maintained railway with clean rails, clean wheels and carefully lubricated mechanisms is a layout which will perform reliably each and every time you want to enjoy it. Without these basic steps towards the upkeep of a layout it could become frustrating to operate. With the right tools and materials the process is quick and the results speak for themselves. 

# DCC VS DC

When planning a layout it is important to consider the control system you wish to use. **MARK CHIVERS** analyses the analogue and digital options facing layout builders today.

Digital Command Control has risen rapidly in popularity with modellers of all ages and, while its application is suited to any layout, it is particularly useful on shed layouts as it negates the need for wiring individual sections to stable locomotives.



# The case for digital

**D**IGITAL COMMAND CONTROL is a sophisticated model railway control system which allows multiple locomotives to operate on the same track or circuit. It has been developed over the past 15 years and whilst it has its detractors there is no escaping the fact that digital is a massive growth area of the model railway hobby.

DCC technology delivers a constant supply of power to the track whilst also transmitting electronic signals to a locomotive decoder, determining the speed at which it should operate.

Defined standards have been created by the National Model Railroad Association in America to ensure that the different manufacturers' systems are compliant with the same basic principles of operation. DCC is just as well suited to large layouts and as it is small and it is particularly useful for shed layouts where multiple locomotives can be stabled on the same track without the need to install section switches.

One of the great advantages of DCC is that an entire layout with multiple tracks can be operated using just one DCC controller as the same control device can also operate points and signals as well as locomotives. Plus individual features on locomotives such as headlights and, where a sound decoder is

fitted, sound functions can be operated too.

In order for a locomotive to operate on a DCC layout it requires a small microchip called a decoder. This decoder acts as a go-between for the locomotive's functions and the controller meaning that signals sent from the controller are interpreted by the decoder to make a model move, turn the lights on or emit sounds. Each one has its own unique address which allows the controller to communicate with specific locomotives. This same principle applies to accessories powered by DCC where electrical signals are transmitted through the track or wiring to call upon items around the layout to perform an action.

Locomotive decoders are also constantly evolving, some incorporating 'stay-alive' technology which stores enough power in on board circuitry for a locomotive to continue running even if it loses contact with the track momentarily. Most models are supplied DCC ready, just requiring installation of an appropriate DCC decoder allowing modellers to make their choice of decoder.

At present there are three main types of decoder for the British market – 6-pin, 8-pin and 21-pin decoders. All perform the same basic functions – control of a locomotive – but some have advanced capabilities in terms of the number of elements they can control on a locomotive. Sound decoders too are available

in the same formats.

The play value alone of DCC is proving particularly popular amongst modellers, and of all ages too, as it enhances the value of a model railway by increasing realism to new levels. You do have to ensure that track is scrupulously clean, however, as dirt can block the digital signals from reaching the locomotive.

Demand for digital sound is increasing and manufacturers have recognised this with provision being made in most new models for installation of a speaker as well as a decoder. Hornby has also developed its own new budget DCC sound decoder in a bid to make sound more affordable and encourage newcomers to the subject. Hornby's Twin Track Sound range, for example, offers DCC sound fitted 'OO' gauge models at less than £100 – a comparative after market high-end sound decoder can cost anywhere from £80-£120 for 'OO' scale.

DC or DCC is a personal choice; there are advantages and pitfalls with both systems. Price can be a factor, with many suggesting that going digital is more expensive. The largest outlay is likely to be on locomotive decoders. With so many options to choose from, you can start with something basic and then move on to more sophisticated systems in the future as your confidence grows. ■



## DIGITAL COMMAND CONTROL

### PROS

- Controls the locomotive, not the track
- Operate locomotives, signals, points, sound and light functions from the same controller
- Control multiple locomotives simultaneously
- Simplified wiring and fewer or no isolating sections required
- DCC sound and constant light capability
- Adjustable control settings
- Fully automated computer control possible
- Compatible with mobile phone/tablet apps to control the layout
- Play value – puts you in the cab

### CONS

- Additional equipment required (decoders/boosters)
- Not all models are easily converted to DCC
- Cost of converting a large fleet can be high
- Different decoder socket configurations depending on model (4-pin/6-pin/8-pin/21-pin)
- Programming routines for locomotive control settings can be involved
- Sensitive to short circuits and dirty track

# The case for

**A**NALOGUE – OR DIRECT CONTROL (DC) – has been the foundation of model railway control from the very beginning. It is a simple to operate analogue system feeding regulated power to the tracks: the more you increase the throttle on the controller, the more power is applied to the track and the quicker the locomotive runs.

All manufacturers' models are designed to operate on 12v DC straight from the box, even DCC fitted versions. The main limitation with DC control, though, is that it powers the track and not the train, which invariably limits operation to one locomotive at a time. To move forward and have multiple track operating you will need multiple controls to do so.

For example if you have a twin track main line – one running clockwise, one anti-clockwise – then you will need one controller for each track powered from a transformer. There are controllers with built in transformers, but there are also separate handheld units which require

a transformer to link them with a mains supply. It is essential not to connect mains power direct to the track – it will destroy models and potentially cause injury to the operator too!

Take things a step further and your layout could for example feature a twin track main line, as before, and a depot area. This could now occupy three different controllers – one for each of the main lines and one for the depot area so that all three sections can be operated independently.

This opens up the main problem for most new railway modellers – electricians. Once you have stepped beyond a simple single controller circuit you will start to need to understand some basic principles of wiring to allow such progression as multiple controllers with the ability to control the same piece of track through switching and installation of section switches to improve the flexibility and control of a model railway.

This all combines to step towards the need

## CURRENT (ANALOGUE) CONTROL

### PROS

- Tried and tested system
- Simple intuitive manual operation
- More power = more speed and vice versa
- Plug in and play
- Universal standard – all locomotives designed to run on DC

### CONS

- Power controls the track not individual locomotives
- Supports just one locomotive in use at a time per controller
- Complicated wiring
- Isolating sections may be required
- Functions such as lights only work when power controller increased



# analogue

for a control panel which is essentially a bank of switches, often with a mimic diagram of the track layout, which allows the operator to control which parts of the layout are fed power from the track. At the same time this panel can be used to install additional switches to operate points and signals on DC. You can take all of this much further and add features such as Light Emitting Diodes (LEDs) to illuminate the route a train will take and more.

Just like DCC you don't have to start out immediately with an all singing, all dancing cab control analogue layout – you could start simply with a single controller and a circuit of track and build upon it in stages allowing you to develop knowledge of model railway wiring

as your layout develops.

In short the big downside of analogue is the need to install a substantial amount of wiring to maximise the system's flexibility, but the method of control also means that lights on locomotives and carriages only illuminate when power is turned up on the controller and equally that the new breed of sound locomotives can be exploited for their potential with analogue.

That said, analogue is a much more cost effective starting point than DCC and there is no reason that the two systems cannot be operated side by side – although not on the same circuit of track – during the development of a layout.

Whilst it isn't as advanced as Digital Command Control, analogue control systems offer much in the model railway control stakes and it are highly popular both for home and club layouts. ■

**Analogue control has been the foundation of model railway control from the very beginning. Its simple method of applying power to the track make it cost effective, but an element of electrical knowledge is needed to move forward beyond its basic principles.**



# A-Z

**HORNBY**  
magazine

## of model railway **TERMINOLOGY**

There are hundreds of terms used in model railway language. This is *Hornby Magazine's* guide to the basics to get you started.

### A

**AC** Alternating Current. Electric current which reverses direction at rapid regular intervals.  
**Accessory decoder** Fixed location digital decoder that controls signals, point motors and other accessories.  
**Address** Identifying number for DCC fitted locomotive or accessory decoder.  
**A1A-A1A** Diesel locomotive wheel arrangement. Two six-wheeled driving bogies, centre axle unpowered.  
**Airbrush** Air powered paint spraying device.  
**Amp** Unit of measurement for electric current.  
**Analogue control** Conventional train control using voltage regulation and reverse polarity.

### B

**Back to back** Measured distance between the inside edges of two wheels on an axle.  
**Backscene** Printed or painted rear fascia on a layout.  
**Ballast** Crushed stone chippings used to form trackbed. Aids drainage and stability on the real railway.  
**Baseboard** Flat base for building a layout, usually assembled from wood.  
**BCK** Corridor Brake Composite.  
**BG** Gangway Brake.  
**B-B** Diesel-hydraulic wheel arrangement. Two four wheeled bogies, axles on each driven by cardan shafts.  
**Bo-Bo** Electric and diesel-electric locomotive wheel arrangement. Two four-wheeled driving bogies each axle driven by individual traction motors.  
**Bogie** Wheel unit on locomotives and rolling stock.  
**Boiler** Cylindrical vessel filled with heat tubes used to create steam.  
**Bolster wagon** Flat open wagon featuring horizontal bolsters to keep load proud of wagon floor.  
**Box van** Closed wagon for transport of goods.  
**Brake van** Vehicle fitted with brakes which can be applied from within, usually located at the end of a train.  
**BR** British Railways, formed in 1948.  
**Branch** Railway line which diverges from the main line.  
**Brick paper** Modelling paper printed with scaled brickwork.  
**BSK** Corridor Brake Second.  
**Buckeye** Type of inter-vehicle coupling unit, designed for simple

automatic coupling and uncoupling.  
**Bullhead rail** Identical rail profile for upper and lower section of rail.  
**Bufferbeam** Metal beam which supports buffers, couplings and pipework at each end of locomotive and rolling stock.  
**Buffers** Metal extensions found at each end of a railway vehicle, designed to absorb impacts.  
**Bufferstop** Device to prevent rail vehicles passing the end of a section of rail.

### C

**Cab control** Analogue layout wiring of sections allowing it to be switched between controllers.  
**Cameo** Small highly detailed modelling scene.  
**Cantrail** Area above the doors on each side of a railway vehicle to which the roof is attached.  
**Cassette** Type of fiddle yard device. Movable storage unit designed to hold a specific length of train off scene.  
**Catch point** Railway safety device featuring a single trailing point blade. Designed to protect the main line from runaway vehicles.  
**Catenary** Overhead wires that supply power to electric trains.  
**C-C** Diesel-hydraulic wheel arrangement. Two bogies, each with three axles driven by cardan shafts.  
**CCT** Covered Carriage Truck.  
**CDU** Capacitor Discharge Unit. Provides short pulses of high output power for solenoid point motors.  
**Check rail** Short piece of rail in points/turnouts to guide wheels accurately through the frog.  
**CK** Corridor Composite.  
**Co-Co** Diesel locomotive wheel arrangement. Two six-wheeled driving bogies with each axle driven by its own traction motor.  
**Colour light signal** Electrically powered signal fitted with coloured bulbs or LEDs, usually combinations of red, yellow and green.  
**Command station** Control hub of a DCC operated layout.  
**Consisting** Two or more locomotives operating together using the same DCC address.  
**Continuous loop** Most common type of railway layout, which operates in a full circle or oval.  
**Contact adhesive** Glue specifically designed to create strong solid bonds and capable of sticking to itself.  
**Controller** Provides regulated power control for a model railway layout.

**Cork sheet** Suitable for track laying use as it absorbs noise. Available in a choice of thicknesses.  
**Couplings** Means of linking one railway vehicle to another.  
**Craft knife** Precision cutting knife suitable for modelling.  
**Crossover** A pair of turnouts/points on parallel lines allowing trains to cross from one track to another.  
**CR** Caledonian Railway.  
**Cutting** Trench-like shape with sloping walls and railway line running along the base.  
**CV** Configuration Variable. Programmable DCC decoder settings.

### D

**DC** Direct Current. Electric current which flows at a constant state.  
**DCC** Digital Command Control. Model railway digital control system.  
**DCC Booster** Provides extra power rating to the track to improve DCC signals.  
**DCC fitted** Model supplied with factory fitted DCC decoder.  
**DCC onboard** Model supplied with factory fitted DCC decoder.  
**DCC ready** Model supplied with DCC decoder socket only.  
**DCC sound fitted** Model supplied with factory or supplier fitted DCC sound decoder and speaker.  
**Decoder** Printed circuit board for operating model railway locomotives and accessories.  
**DEMU** Diesel Electric Multiple Unit.  
**Diorama** Highly detailed model scene, non working.  
**Distant signal** Railway signal which cannot display a danger aspect. Displays a caution that next signal may be at danger.  
**DMU** Diesel Multiple Unit.  
**Double slip** Narrow diamond crossing featuring four sets of point blades and allowing great flexibility in operation.  
**DPU** Diesel Parcels Unit.  
**DPDT** Double pole double throw electrical circuit switch.  
**Dry brushing** Technique using an almost dry paintbrush to enhance detail or weather a model.

### E

**Embankment** Raised area of earth for maintaining or changing height of a railway line where terrain fluctuates.  
**Embossed styrene** Sheets of polystyrene (plastic) embossed with

scale stone, brick or corrugated etchings.

**EMU** Electric Multiple Unit.  
**End to end** Type of model railway layout which operates from one end to another and back again.  
**Engine Shed** Building used to maintain and sometimes store locomotives. Also known as **Motive Power Depot**.

### F

**Feather** Series of route indicator lights attached to colour light signals at junctions.  
**Fiddle yard** Storage area on a layout.  
**Firebox** Used as a heat source to create heat in the tubes of the boiler. Fired by coal or oil depending on the locomotive design.  
**Fishplates** See **Rail joiners**.  
**Fitted goods** Freight train comprising wagons which are all fitted with air or vacuum brakes controlled by the driver.  
**FK** Corridor First.  
**Flanges** Lip on locomotive and rolling stock wheel sets to prevent them from derailing.  
**Flexible track** Lengths of track which can be gently bent to create curved or straight formations.  
**FO** Open First.  
**Frog** Crossing point of two rails on a set of points/turnout, also known as the 'vee' or 'crossing'.  
**Function output** Used to control functions on DCC locomotives or coaches such as lights or sound files.

### G

**Gantry signal** Elevated metal bridge featuring several signals spanning multiple tracks.  
**Gauge** Distance between the running rails on a length of track.  
**GCR** Great Central Railway.  
**GER** Great Eastern Railway.  
**GNR** Great Northern Railway.  
**Ground frame** Series of levers for controlling turnouts/points, usually in station yards or remote locations.  
**GUV** General Utility Van.  
**GWR** Great Western Railway.

### H

**Headshunt** Short length of track for releasing a locomotive from its train without fouling the main line.  
**HR** Highland Railway.  
**HST** BR built 125mph passenger

train introduced in the 1970s and still in service today.

## I

**Insulated rail joiner** Plastic clips used to connect track together to create isolated sections.

**Intercity** Or Inter-city: BR's long-distance services between the 1960s and mid 1990s.

**Island platform** Single platform located between two running lines.

## K

**Kit-built** Model built using parts supplied in kit form.

## L

**Lamp irons** Metal brackets for fixing head and tail lamps on locomotives.

**LBSCR** London Brighton & South Coast Railway.

**LED** Light Emitting Diode.

**LMS** London Midland & Scottish Railway.

**LNER** London and North Eastern Railway.

**LNWR** London & North Western Railway.

**Loading gauge** Defines the maximum height and width for railway vehicles and their loads.

**Lower quadrant** Semaphore signal arm pivots downwards to indicate 'off' to drivers.

**LSWR** London & South Western Railway.

## M

**Main track** DCC term for operational railway layout.

**Mikado** Steam locomotive with a two wheel leading pony truck, eight driving wheels and a two wheel trailing truck. Expressed as 2-8-2.

**MLV** Motor Luggage Van.

**Mogul** Steam locomotive with a two wheel leading pony truck and six driving wheels. Expressed as 2-6-0.

**MPD** Motive Power Depot for locomotive servicing, stabling and preparation.

**MR** Midland Railway.

**Multimeter** Electronic measuring instrument for testing voltage, current and resistance.

## N

**NBR** North British Railway.

**NEM coupling** Model railway coupling and coupler pocket device, produced to defined standards.

**NMRA** National Model Railroad Association (USA).

**NSE** Network SouthEast.

## O

**Ohms** Unit of measurement for electrical resistance.

**Open wagon** Open wagon for transport of goods.

## P

**Pacific** Steam locomotive with a four wheel leading bogie, six driving wheels and a two wheel pony truck. Expressed as 4-6-2.

**Pannier tank** GWR designed steam locomotive with 'pannier' style tanks either side of the boiler.

**Passing loop** Point on a single track line where two trains can pass, often at a station.

**Plaster bandage** Plaster impregnated gauze used to form hills and similar structures.

**Platform** Raised trackside area at stations for passenger use when boarding/alighting trains.

**Point motor** Motor designed to remotely operate points/turnouts.

**Polarity** Positive and negative current flow directions on a layout.

**Poly cement** Polystyrene adhesive suitable for model plastic kits. Effectively 'welds' plastic/styrene.

**Pony truck** An undriven axle leading or trailing a locomotive's driving wheels.

**Power bus** DCC layout power supply cable with dropper wires feeding the track at regular intervals.

**Prairie** Steam locomotive with a two wheel leading pony truck, six driving wheels and a two wheel pony truck. Expressed as 2-6-2.

**Programming track** DCC term for track which is separate from the rest of a layout, used for programming locomotive CVs.

**Prototype** Full size railway subjects.

**Push-pull** Train featuring carriage with driver's cab at one end and a locomotive at the other, capable of pushing the formation in one direction and pulling it in the other.

## R

**Rail chair** Holds the track in place on the railway sleeper.

**Rail joiner** Metal clips used to connect track together for electrical continuity. Also known as fishplates.

**Rapido coupling** Standard 'N' gauge ready-to-run couplings.

**RB** Restaurant Buffet.

**Ready-to-run** Off-the-shelf model designed to work straight from the box.

**Regional Railways** Division of BR which operated most non Intercity or London commuter trains from 1982 until privatisation in the 1990s.

**Re-railer** Guides locomotive and rolling stock wheels back on the track.

**Reverse loop** Loop which allows a train to change direction without having to reverse. Usually requires a reverse loop module installing to prevent an electrical short circuit under DCC control.

**Rolling road** Device for running-in models off-track featuring a series of rollers and supports.

**Roundhouse** Railway depot situated round a central turntable.

**Route setting** Series of points operating together to form a defined route on a layout.

**Run round** Movement of a locomotive from one end of the

train to the other in preparation for a return journey.

**RUO** Restaurant Open Unclassed.

## S

**Saddle tank** Curved profile water tank positioned over the top of the boiler on tank engines.

**Scatter material** Ground foam material used for creating model earth, foliage and grass.

**Scissors crossover** 'X' shaped track formation formed of crossovers in different directions.

**Scratchbuilt** Model constructed using parts fabricated by the builder.

**Screw link** Type of coupling formed of chain links and screw device to draw vehicles together.

**Sector plate** Type of fiddle yard device which pivots from one end in an arc.

**SECR** South Eastern & Chatham Railway.

**Shunting** Operation to manoeuvre and sort railway vehicles into a complete train.

**Side cutters** Diagonal pliers suitable for wire cutting.

**Side tank** Cuboid water tanks positioned either side of the boiler.

**Signalbox** Building containing signal and point levers for controlling all rail movements.

**Single slip** Similar to a double slip, although only featuring two sets of point blades.

**SK** Corridor Second carriage.

**Sleeper** Rectangular support for railway tracks and to keep the rails in gauge. Wooden, concrete or metal.

**'Sleeper' train** Overnight passenger train with coaches fitted with beds for sleeping passengers.

**SO** Open Second carriage.

**Solebar** Longitudinal beam area on either side of a rail vehicle on which the body is mounted.

**Speaker enclosure** Plastic sealed unit designed to enhance DCC speaker output.

**Speed steps** DCC power control increments. The more steps you have, the smoother the speed transition. Equally divided into 14, 28 and 128 steps, depending on controller setting.

**SR** Southern Railway.

**Stabling point** Servicing area for locomotives and/or rolling stock.

**Static grass** Fine fibres in varying shades and lengths, used to replicate model grass textures.

**Stop signal** Railway semaphore signal which controls entry to a block section ahead.

**Styrene sheet** Polystyrene plastic sheet used for modelling projects. Available in a variety of thicknesses.

**Superglue** Very strong quick setting adhesive, ideal for quick fixes on a layout.

## T

**Tank engine** Self contained short range steam locomotive.

**Tender** Vehicle for carrying fuel and water positioned behind a steam locomotive.

**Tender engine** Locomotive and tender designed for medium and long distance range depending on size and design.

**Tension lock coupling** Hook and bar coupling type fitted as standard on 'OO' gauge models.

**Terminal block** Plastic blocks with screws used to join sections of electrical wire together.

**Third-rail** Form of electric current collection for EMUs using a raised additional rail rather than overhead wires.

**Three-link** Type of coupling formed of a three-link chain.

**TOPS** Total Operations Processing System – the basis for rolling stock numbering from the 1970s to the present day.

**Track rubber** Eraser-like object specifically designed for cleaning the surface of running rails to improve electrical conductivity and maintain operation.

**Transformer** Electronic device that converts AC supply to DC. Used for powering accessories on layouts.

**Traverser** Type of fiddle yard device for moving entire train formations between tracks without handling.

**TSO** Tourist Open Second.

**Turnout** Section of track to switch a train from one line to another. Also referred to as points, or switches.

**Turntable** Revolving rail deck used for turning steam locomotives and other vehicles.

## U

**Uncoupling ramp** Piece of track fitted with a spring loaded ramp designed to lift model railway couplings.

**Underframe** Framework of wood or metal supporting the main locomotive or vehicle body structure.

**Upper quadrant** Semaphore signal arm pivots upwards to indicate a clear route ahead to drivers.

## V

**Volts** Unit of measurement for electrical voltage.

## W

**Water column** Trackside standpipe for replenishing water in steam locomotives.

**Water tower** Substantial water storage tank for same purpose.

**Weathering** Method of making models look more realistic using subtle colours to replicate the effects of dirt, weather and other use.

**Well tank** Water tank positioned between the frames of a steam engine.

**Wheel arrangement** Description of the wheel assembly of a locomotive by type, position and connection.

**Wire strippers** Tool designed to strip the insulation from wire.

**Wye** Turnout in the shape of a 'Y' which allows trains to be directed left or right. at a junction.

FOR OUR FULL RANGE OF PRODUCTS – VISIT [www.keypublishing.com/shop](http://www.keypublishing.com/shop)



## Hornby Magazine Yearbook 7 - Collector's Edition

In this seventh edition of the Hornby Magazine Yearbook the North Eastern Region of British Railways is the prime source of inspiration for a layout build which features the unique atmosphere of a branch line railway system built in 'OO' gauge by Hornby Magazine's Editor Mike Wild. In this Yearbook we will guide you through the process of building a model railway showing how this layout - Shortley Bridge and Felton Cement Works - has been developed from the Operation Build It! terminus station which featured as a series build in the magazine. Hardback, 128 pages. Also available as a bookazine for just £6.99 - see website or call for details

**JUST**  
£17.99

CODE: B455



## The Modern Railway 2015 Book

The Modern Railway includes a comprehensive directory of over 2450 suppliers and businesses involved in keeping the UK industry in operation. This section has comprehensive contact information including website addresses and email details, making this publication an essential tool for today's railway professional. Hardback, 208 pages.

**JUST**  
£25.00

Code: B456



### Hornby Getting Started DVD

This feature-packed DVD contains the basic information you need to start building a model railway and it shows Bay Street and Dalby Wood. Illustrating key decisions for building your own layout, such as track plans, rolling stock, scales and gauges, control systems and buildings. Region 2 DVD, Running time 100 minutes

Price £14.49

Code: DVD613

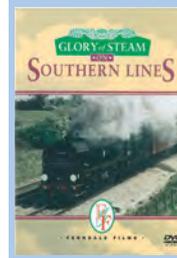


### Hornby - Baseboards, Track-laying and Wiring DVD

The second volume of the Hornby Magazine DVD. In this informative and entertaining programme we look at the various stages of building a model railway, from the construction of the baseboards to the running of the first trains. This DVD will guide you through the various aspects of building a railway in miniature. Region 2 DVD, Running time 80 minutes

Price £14.49

Code: DVD614



### Glory of Steam on Southern Lines DVD

Recorded throughout the last decade, this film recreates the experience and the Glory of Steam on Southern Lines. Region 2 DVD, Running time 45 minutes

Price £8.99

Code: DVD634

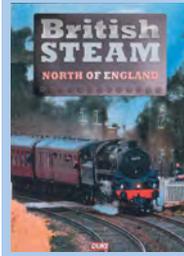


### Ages of Steam - The Jazz Age DVD

Using footage from the last quarter of a century, this programme looks at the way this final form was refined by some of the most famous engineers of their time, right up to the last steam locomotives built for main line service in the country. This is The Jazz Age, examining the locomotives of the 1920s. Region 2 DVD, Running time 50 minutes

Price £11.99

Code: DVD675



### British Steam in the North of England DVD

In this programme, using film shot over the last quarter of a century, we reflect upon the development of steam and celebrate our great railway heritage. Region 2 DVD, Running time 48 minutes

Price £11.99

Code: DVD658



### British Steam in the 1960's & 1970's DVD

During the final decades of steam locomotive operation on British Railways, keen amateur photographers captured fascinating footage of the end of an era. This programme brings you some of these unique movies, including steam workings at Clapham Junction, the Great Central Line, Stanier Pacifics on the West Coast Main Line and much, much more. A real treasure trove of steam gems. Region 2 DVD, Running time 120 minutes

Price £11.99

Code: DVD670



### Gas Lamps 4mm scale - 3 pack

Three lamps and extension posts, LEDs and LED control circuit board  
GLGWR3 - GWR/Western brown  
GLMR3 - LMS/London maroon,  
GLSR3 - SR/Southern green,  
GLPL3 - Plain black - unpainted

£31.95 (RRP £39.95)



### Wagon load kits - N Gauge and OO Gauge

Each kit includes four sheets of A5 material for wagon load boards, two glue applicators and full instructions and will provide enough load for up to 30 wagons (N gauge) or 15 wagons (OO gauge).

Price £13.99

### N Gauge

- MOD19 - Ballast Limestone (pristine)
- MOD20 - Steam Coal
- MOD21 - Iron Ore
- MOD22 - Limestone
- MOD24 - Variety pack (Limestone, coal, iron ore)

### OO Gauge

- MOD14 - Ballast Limestone (pristine)
- MOD15 - Steam Coal
- MOD16 - Modern image coal
- MOD17 - Iron Ore
- MOD18 - Limestone
- MOD23 - Variety pack (Limestone, coal, iron ore)

For our full range of products visit us at: [www.keypublishing.com/shop](http://www.keypublishing.com/shop)

**Stove R in '00' Ready-to-run 4mm scale. Ex-LMS six-wheel passenger brake**

- HM003 BR unlined crimson (1948-1956)
- HM004 BR unlined maroon (1956-1968)
- HM005 BR unlined parcels blue (1969-1970s)

**SAVE 10%**

**NOW £25.65**  
rrp £28.50



**GB Railfreight Class 66 – Limited Edition**

No. 66745 Modern Railways The First 50 Years -



Modern Railways  
The first 50 years

Key Publishing have commissioned Bachmann Europe to produce this exclusive model, which is limited to just 504 certificated units. The model features working head and tail lights and is fully DCC compatible. Each model includes a pair of etched brass name plates.

Price £119.95 CODE: LOCO7

**Save £10 on the price shown**  
enter code ROMOD7 at the checkout page

**Hornby '00' Gauge Gresley 'B-17/6' 61662 Manchester United**

**SAVE 10%**

The Gresley 'B17' 4-6-0 came about through the need to introduce a powerful 4-6-0 steam locomotive to haul heavy passenger trains on the Great Eastern section of the LNER. A number of 'B17/6' 4-6-0s were named after high profile football clubs including the subject of our new limited edition, 61662 Manchester United.



Price £115.19

Code: LOCO6



**Binders**

Hornby Magazine Binder – holds up to 10 issues. Keep your favourite magazines in pristine condition.

£8.50

Code: HMBINDER

**Back Issues**

A range of back issues are available

visit [www.hornbymag.com/issues.asp](http://www.hornbymag.com/issues.asp)



**Postage and Packaging**

ORDER VALUE	UK & BFPO		Europe		USA		Rest of World	
	2nd Class	1st Class	Surface Mail	Airmail	Surface Mail	Airmail	Surface Mail	Airmail
Up to £10	Free	£3.99	£2.99	£3.99	£2.99	£4.99	£3.99	£4.99
£10.01-£19.99	Free	£3.99	£2.99	£4.99	£2.99	£5.99	£4.99	£5.99
£20.00-£34.99	Free	£3.99	£4.99	£8.99	£4.99	£9.99	£5.99	£9.99
£35.00-£49.99	Free	£4.99	£4.99	£12.99	£4.99	£13.99	£6.99	£13.99
£50.00-£99.99	Free	£4.99	£4.99	£16.99	£4.99	£17.99	£7.99	£17.99
£100+	Free	£4.99	£6.99	£22.99	£6.99	£23.99	£8.99	£23.99

All prices correct at time of going to press. Terms and conditions apply, see [www.keypublishing.com/shop](http://www.keypublishing.com/shop) for full details.

**HOW TO ORDER**



**TELEPHONE: (UK) 01780 480404 (OVERSEAS) +44 1780 480404**  
Monday to Friday 9.00am until 5.30pm



**VISIT:**  
[www.keypublishing.com/shop](http://www.keypublishing.com/shop)



**COMPLETE/PHOTOCOPY THE FORM BELOW AND FAX TO: (UK) 01780 757812 (OVERSEAS) +44 1780 757812**



**COMPLETE THE FORM AND POST TO:**  
Key Direct,  
PO Box 300,  
Stamford, Lincs,  
PE9 1NA, United Kingdom

102/15

**MAIL ORDER FORM**

**PAYER'S DETAILS**

Title ..... First name .....  
Surname .....  
Address .....  
.....  
Postcode..... Country .....  
Email address  
.....

**DELIVERY DETAILS (IF DIFFERENT)**

Title ..... First name .....  
Surname .....  
Address .....  
.....  
Postcode..... Country .....

Item code	Quantity	Price
Sub Total		
P&P		
Grand Total		£

**PAYMENT METHODS**

Payments are accepted by cheque, Postal Order, Credit Card and US Dollar check. Payments by credit or debit card will be shown on your statement as Key Publishing Ltd and debited in UK Sterling. Use local currency as a guide as prices are subject to currency exchange rate fluctuations.

I enclose a cheque/check for £ ..... or US \$..... made payable to Key Publishing Ltd

Please debit my Mastercard  Visa  Maestro (UK Mainland only)

□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □

Expiry date Security Code (last 3 digits on reverse of card)

MMYY □ □ □

Signature ..... Today's date .....

Key Publishing will hold your details to process and fulfil your order. Occasionally we may wish to contact you to notify you of special offers on products or events. If you do not wish to receive this information please tick here  or mention when calling.



# HORNBY

magazine

**WIN A HORNBY 'HALL' TRAIN PACK WORTH £200**

# HORNBY

magazine

Issue 93 March 2015 USA \$12.50 - CAD \$11.99 - AUS \$10.95 - UK £3.95

## EAST COAST IN THE LOFT

Main line and branch line action in Scotland modelled in 4mm scale.

**REVIEWS**

**GWR '64XX' & 'Hall' in '00'**

**PLUS...**

- New Farish '4F' in 'N'
- Heljan GUV and BG in 'O'
- BR 20ton hopper in '00'

**HOW TO**

- Weathering with washes
- Titled train formations
- Static grass basics

**FEATURES**

- Croydon North Street Southern suburbs in the 1990s
- Steam on the Cambrian Steam on the coast in the 1950s

**DIGNITY**

**DARTON BANK**

The famous Devon Banks modelled in 'O' gauge

**DIGITAL CONTROL**

**GARRATT UPGRADE**

How to install realistic sound

**WEATHERING**

**BRUSH MA**

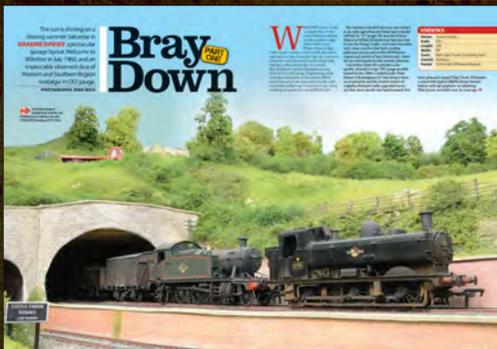
Transition era dies

**PLUS COAL FORMATION**

**UPDATE**

- OXFORD RAIL REVEALS '00' SCALE
- 'N' GAUGE PENDOLINO PROJECT

**JUST £3.95**



For our latest subscription deals visit

Hornby Magazine takes a unique approach to model railways with both the relatively inexperienced and the seasoned modeller in mind. Unique step-by-step guides offer modellers hints and tips on how to get the most from the hobby. The very best photography and all the very latest news inspire and inform modellers of all abilities.

Hornby Magazine is dedicated to promoting this most rewarding of hobbies, introducing it to newcomers and those returning to the hobby. It is written by enthusiasts for enthusiasts - the editorial and publishing team are all active modellers who care passionately about the hobby.

## ALSO AVAILABLE IN DIGITAL FORMAT:



## DOWNLOAD NOW

**FREE APP**

with sample issue

IN APP ISSUES £2.99



SEARCH **HORNBY MAGAZINE**

Available every second Thursday of the month from **WHSmith** and other leading newsagents

### AVAILABLE ON:



Available on

**BlackBerry**



Available on

**kindle fire**



Available on

PC, Mac & Windows 8



Available on

**iTunes**



Available on the

**App Store**



Available on

**Google play**

Requirements for app: registered iTunes account on Apple iPhone 3G, 3GS, 4S, 5, 6, iPod Touch or iPad 1, 2 or 3. Internet connection required for initial download.

Published by Key Publishing Ltd. The entire contents of these titles are © copyright 2015. All rights reserved. App prices subject to change. Prices correct at time of going to press.

Available on PC, Mac, Blackberry, Windows 8 and kindle fire from **pocketmags.com**

[www.hornbymagazine.com](http://www.hornbymagazine.com)

# DYNAMIS ULTIMA<sup>®</sup>

NEW WIRELESS DIGITAL CONTROL SYSTEM FROM BACHMANN

Be part of the digital revolution at [www.dynamisdcc.com](http://www.dynamisdcc.com)

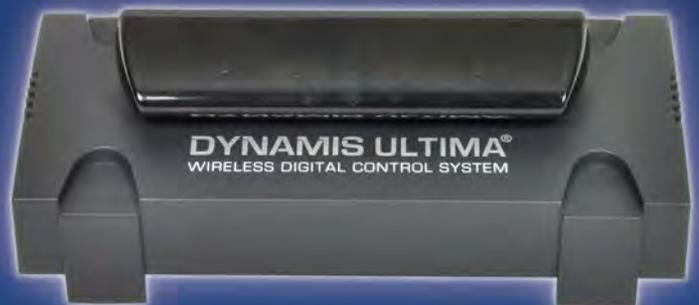
Introducing a new level of sophistication in Digital Command Control (DCC) systems from Bachmann.

Combining the features of Dynamis with the Pro Box and more, Dynamis Ultima is the ideal system with which to begin your DCC adventure. Unlike the Pro Box before it, Dynamis Ultima is not an extension pack: it is a complete DCC system and is suitable for the beginner and the experienced DCC user alike.



## 36-504 Dynamis Ultima DCC System

- USB COMPUTER INTERFACE
- RAILCOM<sup>®</sup> COMPATIBLE
- BOOSTER CONNECTIONS
- TRANSFORMER FOR ALL GAUGES
- WIRELESS DIGITAL CONTROL
- CONTROL OF MULTIPLE TRAINS
- CONTROL OF UP TO 100 ACCESSORIES
- SUPPORTS ADVANCED AND UNIVERSAL CONSISTING



NOW SHARE THE EXPERIENCE WITH YOUR FRIENDS - UP TO 4 HANDSETS CAN BE USED AT ANY ONE TIME!



INSTRUCTIONAL VIDEOS  
AVAILABLE ONLINE AT:  
[www.dynamisdcc.com](http://www.dynamisdcc.com)

Bachmann Europe Plc. Moat Way, Barwell, Leicestershire. LE9 8EY

[www.bachmann.co.uk](http://www.bachmann.co.uk)

**BACHMANN**  
EUROPE Plc  
A Bachmann Product