



**WIN** A HORNBY CROFTON WORTH £120  
Closing date: April 25 2016

REVIEWED

'O' GAUGE FALCON



# HORNBY

## magazine

Issue 106 April 2016 USA \$12.99 · CAD \$12.99 · AUS \$11.95 · UK £4.20

www.hornbymagazine.com

STEP BY STEP GUIDES

**UNDERGROUND ILLUMINATION**



Add interior lights and sounds to S Stock

**'J50' SOUND**



Installing DCC inside Hornby's new 0-6-0T

**INSPIRATION**



**3 GREAT LAYOUTS** from three eras... 1930s, 1960s, 1990s

# Build this superb '00' scale ROUNDHOUSE

We show you how in just 24 hours!



» 6X4 TRACKPLANS » AUTO-COUPPLINGS EXPLAINED  
» BUILDING ENGLISH ELECTRIC'S GT3 IN '00' » CLASS 73 PROFILE

KEY



# Cobalt Alpha

By DCCconcepts



## Alpha-Power

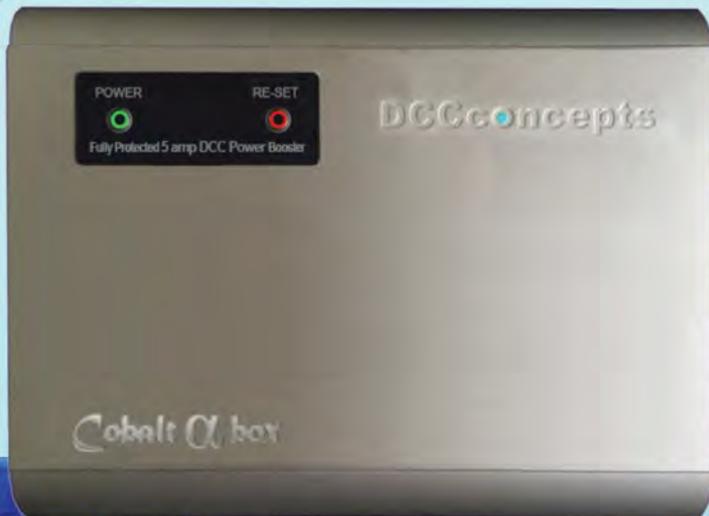
Cobalt Alpha-Power is a top quality Power supply for use with DC or DCC systems and it is also perfect for the Accessory power bus.

Alpha-Power has fast-acting overload protection that will instantly turn power off in the case of significant overload, giving you both audible and visible indication of overload or wiring problems and a reset is simple - Just turn the power switch off and on again.

Properly regulated for consistent results it will deliver a stable 18v DC at 5 amps irrespective of your local mains power levels.

CE and FCC approved and usable with mains voltages from 100 to 240v AC, Alpha Power is suitable for use in most parts of the world.

The natural partner for Alpha-Box, Alpha-Power has both DC output plug and screw terminal connections, so it is also an ideal choice for most DCC systems as well as DC users needing more power.



## Alpha-Box

Initially conceived as a way to bring the magic of Cobalt Alpha to ALL modellers, DC or DCC, Alpha-box really IS something special. In fact we think that Alpha-Box is the best power booster available!

We really wanted maximum cross-brand compatibility so Alpha-box is very versatile ... as a result it's perhaps best described as the "Swiss Army Knife" of DCC power boosters because it offers so much more than ANY other power booster you can buy anywhere.

Alpha-Box has inputs at track power and command bus level plus a powerful 5 amp output that's well protected by fast acting short circuit overload protection. As a result it is the perfect upgrade for ALL brands of DCC start set from Bachmann EZ command to other train-set DCC controllers as well as those from more specialised brands.

NCE users really love it. Power Cab and Power Pro plug straight in, becoming fully "Cobalt Alpha" compatible systems with the addition of 5 amps of very clean track power. Other brand users really like it too... and "interface adapters" are available where needed!

Cobalt Alpha products are DCC compliant & are carefully designed from the ground up to make the wiring of your control panels very simple. Using them can reduce wiring between the control panel and layout to a single cable.

The Cobalt Alpha range and all other DCCconcepts products are distributed world-wide by DCCconcepts Pty Ltd. Our products are also distributed in the UK by Gaugemaster Controls Ltd.



# Alpha Central



It just does NOT get any easier than this!

Cobalt Alpha Central is literally a complete and ready-to-use digital control panel for 12 points... in a box!

It's so simple instructions could read "Unpack-Plug in-Change points"

Alpha Central can be connected directly to any model NCE system - however the other brands are not forgotten. Alpha central will work well with any DCC system at all if used in combination with the very clever Alpha-Box, with the combination adding 5A of clean power AND full digital accessory control to the most basic of starter sets. With Alpha-Box it improves the power & performance of basic systems such as Prodigy & Prodigy Express. They also add the luxury of almost wire-free manual control-panel operation to systems from EZ Command to Z21 or ECoS.

Multiple Alpha-Central units can be linked together to control up 2000+ Accessories and addressing your Accessory decoders becomes incredibly simple once you have installed Cobalt Alpha in ANY of its forms as your DCC control interface.

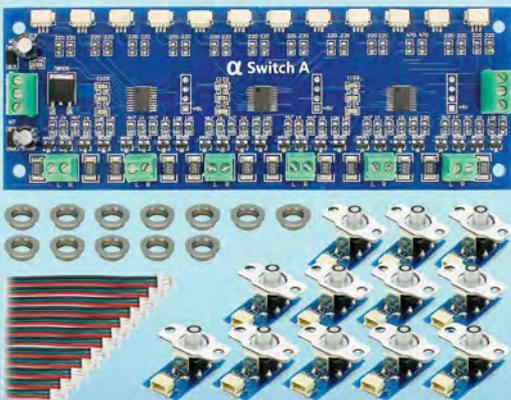
# Alpha

The very Heart of Alpha. Cobalt Alpha interprets commands from ANY momentary switch & turns them into a digital signal.

Cobalt Alpha allows you to connect ANY form of switch from "Stud and Probe" to a simple push-button. Alpha is of course also ideally suited for Cobalt-S Levers and the sophisticated, "Easy-to-connect" Alpha-Switch-D shown below.

No matter what choice you make for your switches, the wiring is greatly simplified and reduced as Alpha will digitise all of the switch commands, meaning that nothing needs long direct wiring. Because of this your ENTIRE Control panel could then need as little as ONE cable to connect it to the layout.

For quality "Mimic" panels without soldering and no complex wiring if any kind, we recommend that you take a look at Cobalt Alpha and Alpha-Switch-D. It really IS as easy as using LEGO!



# Alpha-Switch-D

Cobalt Alpha-Switch-D is a sophisticated but super-easy to install switching system for Mimic panel control of DCC Accessories.

Usable on its own with Accessory decoders that have added switch connections or just combined with Cobalt Alpha itself, it is the SIMPLEST form of Accessory switch wiring you'll find anywhere.

Each switch includes its own indicator LED and connects simply and directly to the control PCB.

Wiring a panel takes no time at all and it really IS as simple as assembling Lego! Full instructions are supplied - we even show you a simple way to create a top quality control panel for them!

The little things really CAN Make a big difference!



A 6-wire curly Cord is often supplied with the appropriate Cobalt Alpha models.

This 6-wire cord is also available as a separate item of course. (The part number is DCD-ACL).

NCE / ROCO users will love it as it can easily replace inconvenient flat cables that are supplied with those DCC system brands as it is much more convenient to use.

Cobalt Alpha makes the wiring of control panels quick and easy!

**DCC** thinking outside the square  
**concepts**

**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, Trevor Jones, Mike Bisset, Richard Smith, Brian Wheelaker and Brian Woolrich.

#### 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:** Liz Ridge  
**Email:** elizabeth.ridge@keypublishing.com  
**Telephone:** 01780 755131  
**Advertising Production:** Louise Talbot  
**Tel:** 01780 755131 **Fax:** 01780 757261  
**Email:** louise.talbot@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  
**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 Publishing Ltd 2016

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 30,846  
newsstand and digital sales.

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

ISSUE  
**106**

# HORNBY magazine

## LATEST OFFERS

See pages 70-71 for full details.

# 52 Durston

Finescale 'OO' is used to great effect on this home and exhibition Great Western layout.



## WE SHOW YOU HOW!

### 26 S-STOCK ILLUMINATION

Mike Wild installs bespoke interior lights and sound to London Transport Museum's recently released 'OO' gauge S-Stock unit.

### 30 TRACK PLANS

Mark Chivers presents a selection of track plans designed to expand on the typical 'OO' gauge train set, but still fit within a typical 6ft x 4ft footprint.

### 34 GT3 - PART 1

Tim Shackleton recreates the experimental gas turbine GT3 'Jet Train' in 4mm scale, gathering together components from several sources along the way.

### 42 LOCH DHU - PART 5

Nigel Burkin shows how to assemble and install delayed-action automatic couplings to simplify shunting movements on the project micro-layout.

### 92 DIGITAL SOUND

Paul Chetter adds DCC sound to Hornby's compact 'J50' 0-6-0T, demonstrating how to make the most of the limited space available.





## FIRST REVIEWS

**p80** Hornby's Collett 'bow-end' carriages for 'OO'



**p74** Heljan's 'O' gauge Falcon



### PLUS...

**74** Oxford Rail's latest 'OO' Adams 'Radial' 4-4-2T, a new 'Super D' 0-8-0 from Bachmann, road vehicles, lineside details, buildings, structures and much more.

## Inside...

- 7 EDITORIAL**  
Mike Wild welcomes you to the new issue of *Hornby Magazine*.
- 8 UPDATE**  
Dapol debuts its Class 121/122, Hornby and Golden Valley Hobbies confirm liveries for their latest 'OO' projects, Oxford Rail unveils its latest 'OO' decorated samples and we reveal new additions to the Great Electric Train Show line-up. Plus you could WIN a Hornby BR Crosti-boiler '9F' 2-10-0 in our latest competition.
- 16 JACKSON BRIDGE**  
Sheffield Model Railway Enthusiasts opted for the Yorkshire Pennines during the 1950s as the setting for this stunning DCC controlled 'OO' scale layout.
- 40 ENQUIRY OFFICE**  
The *Hornby Magazine* team answer your modelling questions and queries.
- 50 HORNBY POST**  
Your views, opinions and responses from the *Hornby Magazine* postbag.
- 52 DURSTON**  
Brian Woolrich looked to the West Country for his impressive 'OO' gauge Great Western Railway exhibition layout set in the mid 1930s.
- 62 24 Hr CHALLENGE**  
Always up for a challenge, the *Hornby Magazine* team undertake a new project to build a fully-operational 'OO' gauge British Railways Western Region roundhouse depot in just 24 working hrs.
- 84 REALITY CHECK**  
The Class 73 electro-diesel represented a versatile go-anywhere locomotive type. With release of the new Dapol model, Evan Green-Hughes looks back at their history.
- 96 OLDSHAW**  
This 'EM' gauge BR Western Region exhibition layout set in the late 1980s/early 1990s packs a lot into a small space, with branch passenger services sharing the single-track line with china and mineral trains.
- 106 RAILWAY REALISM**  
The ability to stop a train when required is fundamental to the safe operation of the railway. Evan Green-Hughes takes a closer look at the fascinating history of braking systems on Britain's railways.
- 110 STAFF PROJECTS**  
Work on *Hornby Magazine*'s 'N' gauge office layout Barenthorpe has gathered pace with scenic changes, installation of point motors and more, as Mike Wild explains.
- 112 READER PROJECTS**  
*Hornby Magazine* presents your latest model building and layout projects.
- 114 SHOW GUIDE**  
Your comprehensive guide to forthcoming events.

**WE'VE GONE SOCIAL!**  
Follow us on your favourite social media sites.  
You'll find the latest news, images and exclusive videos! Search *Hornby Magazine*.





ONLY  
**£17.50**  
 Recommended  
 Retail Price

# Introducing the MX600 decoder

## Legendary motor control

## Premium ZIMO quality

## Exceptional value for money



### 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 all motor types.



### High current ratings

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



### 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 answered the long-standing call for a top quality economy decoder with the launch of the MX600 family. This has been achieved by focusing on what the railway modeller really needs from a basic decoder and omitting superfluous features. Advanced circuitry design has also allowed for a compact single-sided layout, only 2mm in height.*

## NEW MX600 ECONOMY DECODER

- MX600 (Wires), MX600R (8-pin), MX600P12 (PluX12)
- Single-sided 'ultra thin' design 25 x 11 x 2mm
- DCC, DC (Analogue), RailCom™ equipped
- 4 Function outputs (F0f, F0r, F1, F2)
- 0.8 Amp (1.5 Amp peak) motor rating
- Automatic motor regulation and optimization
- High frequency 'silent drive' back-EMF sampling for all types of DC motor including coreless
- 3 & 28-step programmable speed curves
- Signal and distance-controlled stopping
- ZIMO software update capability via track
- 3-year 'repair or replace' manufacturing warranty

# Order yours now! In stock with dealers from early March

Ask for



by name...

ZIMO decoders, sugar cube speakers and accessories are available ONLY from these approved retailers:

RAIL EXCLUSIVE  
01780 470086  
DISTRIBUTOR

DIGITRAINS  
01522 527731  
GOLD

YOUCHOOS  
0844 772 5052  
GOLD

COASTAL DCC  
01473 403764  
SILVER

MR SOUNDGUY  
01983 531443  
SILVER

EDM MODELS  
01904 331973  
SILVER

DCC TRAIN AUTOMATION  
0117 230 8078  
BRONZE

WICKNESS MODELS  
01387 738175  
BRONZE

GARDEN RAIL SPECIALISTS  
01844 345158  
LARGE SCALE ONLY

# WELCOME

## THE EDITOR'S PAGE



**BUILDING** A layout against the clock isn't everybody's first choice for a new project, but it was great fun putting together our first 24hr challenge layout for this issue. We enjoyed every minute of it.

It isn't the first time we've attempted something like this - and it certainly won't be the last either! We wanted to get back to the grass roots of what makes this magazine - and hobby - what it is: building layouts.

Many will be aware of exploits in layout construction through the annual *Hornby Magazine Yearbooks* and Nigel Burkin has also delivered plenty of layout construction material through *Wheal Annah* and *Loch Dhu*. As an editorial team though we needed to get back into layout building for the magazine too.

That is where the 24hr challenge projects come in. They get us back into modelling and producing finished layouts which are well within the reach of anyone.

The plan for the first challenge was driven by accessories - mainly ADM

Turntables' indexing drive turntable and Kernow Model Rail Centre's Cornish roundhouse sections and it goes to show that inspiration for a model can come from anywhere. A single building, carriage, wagon or locomotive is all it needs to get ideas flowing and a new project underway.

Of course this issue isn't just about the challenge. We've brought together a collection of hands-on features covering everything from simple lighting installation for the London Transport Museum S Stock to making auto-couplings and even building a 4mm scale model of English Electric gas turbine prototype GT3.

If you are looking for inspiration then we have plenty of that too with a collection of track plans for 6ft x 4ft baseboards, three stunning layouts and a chance to win a Hornby Crosti '9F' - it might just inspire a few new projects.

The recent Model Rail Scotland event in Glasgow also saw a number of model developments showcased including Dapol's Class 68 and Hornby's 'B12' 4-6-0 for 'OO' together with new samples of Oxford Rail's 'Dean Goods' 0-6-0 and goods wagons which were announced in January (HM105).

The review section is filled with the latest releases from across the spectrum of

modelling interests. Topping the billing is Heljan's 'O' gauge model of Brush prototype *Falcon* together with Hornby's new 'bow-end' Collett carriages.

Also worthy of note is Oxford Rail's second Adams 'Radial' 4-4-2T. The newcomer has pulled out the stops to make this version even better than the first (HM103) with modifications to the chassis, tooling and manufacturing process.

Model railway news never sleeps and as this issue closed for press we were gearing up to visit the Bachmann Showcase 2016 for the launch of the Bachmann 'OO' and Graham Farish 'N' gauge 2016/2017 ranges. We'll be bringing you a full report on this in the next issue of *Hornby Magazine*, but if you can't wait until then visit our website at [www.hornbymagazine.com](http://www.hornbymagazine.com) where we will be hosting details of the new announcements alongside our specially produced video content for this issue.

Happy modelling!

**Mike Wild**  
Editor, *Hornby Magazine*

## ISSUE GUIDE

### COMPETITION

**12** Our exclusive competition offers the chance to win a Hornby BR Crosti '9F' 2-10-0 in 'OO' worth £120.

Turn to page 12 to find out how to enter.

### STEP BY STEP GUIDES

#### UNDERGROUND ILLUMINATION

**26** We show you how to install interior lighting and sound in London Transport Museum's S Stock.

#### 'J50' SOUND

**92** Paul Chetter explains in detail how to install digital control and sound in Hornby's new 0-6-0T.

### INSPIRATION

Three great layouts feature in this issue: Jackson Bridge modelling Yorkshire in the 1960s, Durston set in 1936 on the GWR and Oldshaw on the Western Region in the 1990s.

**SEE PAGES 16, 52 & 96**

### REVIEWED

SEE PAGE 74

## 'O' GAUGE FALCON



The *Hornby Magazine* team takes on a challenge to build a working shed scene in 24hrs or less. Find out how this Western Region theme project was designed, developed and built in our special feature.

### PLUS!

Track plans for 6ft x 4ft baseboards, auto-couplings explained, how to build English Electric gas turbine GT3 in 'OO', Class 73 profile, Staff Projects, Reader Projects, Railway Realism, Show Guide and more.

# HORNBY 'B12' MOVES TOWARDS PRODUCTION



**H**ORNBY has received the first running sample of its forthcoming 'OO' gauge Holden 'B12' 4-6-0 for evaluation by the company's engineers. Announced at the 2015 Warley

National Model Railway Exhibition in November (HM103), it will feature locomotive drive, a tender-mounted 8-pin Digital Command Control (DCC) decoder socket, provision for a DCC speaker and small tension lock couplings in NEM pockets.

The tooling will also cater for detail variations including smooth and riveted smokebox types and fluted and plain coupling rods. Three versions are planned in LNER apple green (Cat No. R3430), BR lined black with early

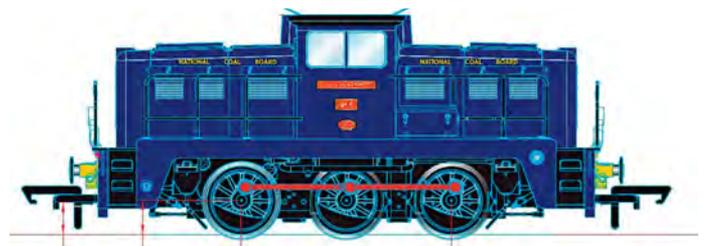
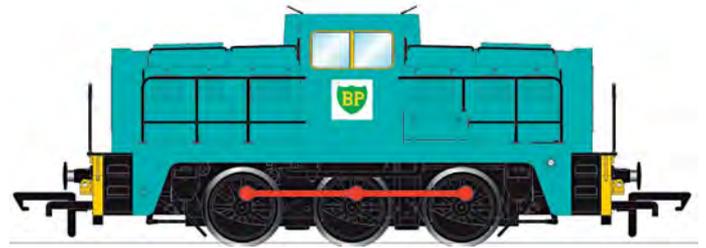
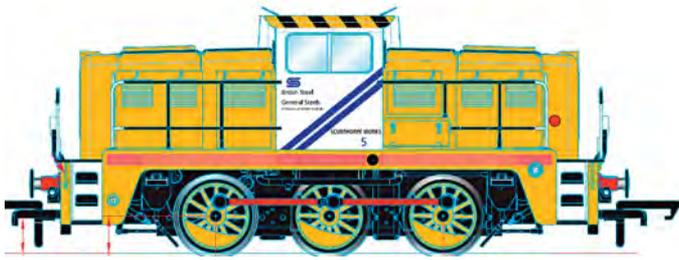
crests (R3431) and BR lined black with late crests (R3432). Priced at £144.99 each, release is expected during the fourth quarter of 2016. **● Visit [www.hornby.com](http://www.hornby.com) for more details.**

## Hornby confirms Peckett liveries

Hornby has issued artwork for its forthcoming 'OO' gauge Peckett 'W4' 0-4-0STs. Three models will form the initial releases as 563 *Dodo* in ex-works Peckett light green (Cat No. R3427), 11 in Manchester Ship Canal green (R3428) and D in Huntley and Palmers light blue (R3429).

Each locomotive will feature a 4-pin Digital Command Control (DCC) decoder socket and small tension lock couplings in NEM pockets. Prices are set at £79.99 per model with release currently scheduled for October 2016. **● Visit [www.hornby.com](http://www.hornby.com) for more information.**





# Golden Valley confirms Janus liveries

Golden Valley Hobbies (GVH) has confirmed the four liveries for its new 'OO' gauge model of the Yorkshire Engine Company 'Janus' 0-6-0 diesel shunter (HM103).

Decoration artwork has been completed for three of the four models in British Steel yellow and white (Cat No. GV2013), British Petroleum light blue (GV2014)

and Port of London Authority dark blue (GV2015) while the fourth, in National Coal Board blue (GV2012), is nearing completion.

Produced by Oxford Rail exclusively for Golden Valley Hobbies, the models will feature a die-cast metal chassis, five-pole skew-wound motor, Digital Command Control (DCC) decoder

socket and NEM coupling pockets. Price and release date are yet to be confirmed.

Four triple-packs of wagons are planned to accompany the locomotives based on Oxford Rail's popular seven-plank open wagon. These will be presented in National Coal Board (GV6012), British Steel (GV6013),

British Petroleum (GV6014) and Port of London Authority (GV6015) colours. Each wagon will feature a different running number in the triple packs.

Priced at £29.99 per pack, a delivery date has yet to be confirmed.

● **For more information visit** [www.goldenvalleyhobbies.com](http://www.goldenvalleyhobbies.com)

# Oxford Rail showcases decorated **SAMPLES IN SCOTLAND**

Decorated samples of Oxford Rail's newly announced 'OO' gauge models (HM105) were on show at Model Rail Scotland in late February. Headlining the stand was a second sample of the GWR 'Dean Goods' 0-6-0 with basic livery colours applied. The model is expected to be released in the third quarter of 2016 priced at £112.95.

Also shown were samples of the LNER 10ton cattle wagon in LNER and BR bauxite, private owner versions of the North British Railway four-plank open wagon and LNER and BR grey North Eastern Railway six-plank open wagons.

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



Above: Decorated LNER cattle wagon.



Below: 'Dean Goods' base colour sample.



Top: Decorated North Eastern Railway six-plank open wagon in BR grey.

Above: Decorated North British Railway four-plank open wagon.



# DAPOL REVEALS 'BUBBLE CAR'



## Revolution Trains forges ahead with Pendolino



Revolution Trains' first ready-to-run 'N' gauge model is edging closer to production following the receipt of a decorated running sample of its Virgin Trains Class 390 Pendolino Electric Multiple Unit (EMU) during February for evaluation.

Available in five-car, nine-car and 11-car sets, along with a two-car intermediate add-on pack, the

model specification includes low friction drive, directional and interior lighting, close coupling within sets, Digital Command Control (DCC) decoder socket and removable front panels.

Prices range from £110 for a DCC ready five-car set to £440 for a factory-fitted DCC sound 11-car model with pre-orders expected

to close at the end of March.

The company's other 'N' gauge projects including the VTG/Greenbrier 100tonne TEA bogie tank wagons and Class 320/321 EMUs are also progressing. The TEA tanks are currently in production while interest in the EMU project has been sufficient to progress plans. Liveries anticipated for

the initial batch include Network SouthEast, London Midland and First Group for the Class 321 and Scotrail for the Class 320.

● Revolution's proposed 'N' gauge Class 21/29 project has been dropped due to low levels of interest in the model.

● Visit [www.revolutiontrains.com](http://www.revolutiontrains.com) for more details.

# FIRST SHOTS

**T**HE FIRST SAMPLE of Dapol's new 'OO' gauge Class 122 'bubble car' has been shown by the manufacturer alongside the first decorated samples of its rapidly developing Vossloh Class 68 Bo-Bo diesel. The Class 122 features separately fitted underframe components and

is now being inspected by the Dapol team. Release dates have yet to be confirmed.

The first Class 68 livery sample to be shown is 68010 in Chiltern Railways colours with further samples of the DRS and ScotRail locomotives due to arrive with the manufacturer during March.

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



Top left: First decorated sample of the Dapol 'OO' gauge Class 68 in Chiltern grey and silver.

Above: First engineering prototype for the Dapol 'OO' Class 122. Images: [www.ehattons.com](http://www.ehattons.com)

## DAPOL HIA HOPPERS



The first batch of Freightliner HIA limestone hoppers from Dapol are due to arrive in March. The models have been produced for 'OO' gauge.

Dapol has now announced that there will be four Freightliner green and two white versions of the model with the arrival of the final decorated samples. Each will feature turned metal wheels, NEM coupling pockets and internal hopper detail.

The models are: 369008 in Freightliner green (4F-026-001), 369052 in Freightliner green (4F-026-002), 369027 in Freightliner white (4F-026-003), 369044 in Freightliner white (4F-026-004), 369002 in Freightliner green (4F-026-005) and 369020 in Freightliner green (4F-026-006). Prices are set at £24.90 per wagon.

● Visit [www.dapol.co.uk](http://www.dapol.co.uk).

## News in brief...

■ Two 'O' gauge limited editions have been commissioned by DCC Supplies using Dapol's soon to be released Class 08 diesel shunter and recently launched Stroudley 'Terrier' 0-6-0T. The Class 08 will be produced as D3101 in BR green with early crests and wasp stripes with a price of £199.95 while the 'Terrier'

will be 'A1X' 2662 in Bulleid black with sunshine lettering priced at £225. Both will be available with the option of sound fitting, increasing the price to £399. Limited to 300 models each, the two specials are expected to be available in the summer.

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



■ Following the high-profile return to steam of the National Railway Museum's (NRM) Gresley 'A3' 4-6-2 60103 *Flying Scotsman* in February, Locomotion Models has announced a new limited edition train pack for its National Collection in Miniature range.

Commissioned from Hornby, each pack will contain a pristine 'OO' gauge model of 60103 *Flying Scotsman* in BR lined green with late crests together with its NRM

support coach BR Mk 1 Corridor Brake Second (BSK) 99953 in BR maroon. The locomotive will feature a gloss finish to its overall decoration, replicating the recently outshopped appearance of the real locomotive.

Priced at £185 per pack, pre-orders are being taken now, with delivery anticipated during July 2016.

● For more information visit [www.locomotionmodels.com](http://www.locomotionmodels.com)

■ 4Ground has added a new 'OO' gauge engine shed to its trackside and waterways range of laser-cut kits. Manufactured from pre-coloured wood fibre and laser board parts, the 4mm scale Hanford single-track

engine shed kit (Cat No. 00-TS-109) measures 270mm x 80mm and is the latest addition to the Hanford range of Great Western Railway inspired building kits. Priced at £42, it is available now.

● [www.4groundtrackside.co.uk](http://www.4groundtrackside.co.uk)

■ Revolution Trains has confirmed that interest in its proposed 'OO' gauge VTG/Greenbrier 100tonne TEA bogie tank wagons has reached the required level for production.

Five single TEA bogie tank wagons will be produced in VTG red, VTG grey, VTG Conoco blue, Freightliner green and DB Schenker EWS

grey, while a similar number of triple wagon packs are also proposed in VTG red, VTG grey, VTG enviro-message blue, DB Schenker EWS grey and Greenergy blue/green.

Currently at the design stage, prices are estimated in the region of £35-£40 per wagon.

● For more information visit [www.revolutiontrains.com](http://www.revolutiontrains.com)

■ Kernow Model Rail Centre has added an additional 'OO' gauge Bachmann Southern Railway (SR)

25ton 'Queen Mary' bogie brake van to its range of exclusive limited edition models. Finished in BR engineers' grey with a light blue band as ADS56289 (Cat No. 33-825X), the model represents the prototype in the late-1980s and early-



1990s when it was utilised for departmental gauging trials and Channel Tunnel construction traffic on BR's Southern Region. Available now, the model is priced at £24.95.

● For more information visit [www.kernowmodelrailcentre.com](http://www.kernowmodelrailcentre.com)

## HORNBY RAILROAD WINNER

■ The winner of HM104's competition to win more than £400 of Hornby Railroad models is Peter Harris from Stansted. Congratulations!

# Advance ticket sales open for...



**D**ISCOUNTED TICKETS offering early entry to the Great Electric Train Show are on sale now offering a saving of £5 on buying tickets on the day. The event on October 8/9 is in its fourth year and will see more than 25 layouts

and 30 traders gather at the British Motor Museum in Warwickshire.

New to the line-up are Soar Valley Model Railway Club's stunning O' gauge layout The Charnwood Forest Branch (HM99/HM100), Tom Couling's Yorkshire-set Poole-in-Wharfedale in 'OO'

(HM104) and Brian Woolrich's GWR through station Durston – see feature on pages 52-59.

These three layouts join the first six announced in HM105: Old Elms Road (HM105), Maxwell Colliery (HM105), Dentdale (HM95), Haymarket Cross (HM59), Goathland (HM99) and St Stephens Road. Further layouts will be revealed in coming issues as the show gets closer.

Full details of the exhibition and advance ticket purchases can be made at [www.grealelectrictrainshow.com](http://www.grealelectrictrainshow.com) while advance tickets can also be purchased by phone on 01780 480404. Advance ticket holders gain entry to the show 30 minutes earlier at 9.30am whilst retaining the benefit of full access to the museum and use of the free courtesy bus from Leamington Spa railway station on the Saturday only.

THE GREAT ELECTRIC TRAIN SHOW 2016	
<b>When:</b>	October 8/9 2016
<b>Where:</b>	British Motor Museum, Gaydon, Warwickshire CV35 0BJ
<b>Times:</b>	Sat 10am-5pm, Sun 10am-4pm (9.30am entry for advance tickets)
<b>Advance tickets:</b>	Adult £9, child £7
<b>Tickets on day:</b>	Adult £14, concession £12, child £9, children under 5 free, family (2+2) £39
<b>Highlights:</b>	25 layouts, 30 trader stands plus demonstrations, redeveloped museum
<b>Facilities:</b>	Refreshments, disabled access, free parking plus free courtesy bus from Leamington Spa station (Saturday only).
<b>Contact:</b>	01780 755131
<b>Website:</b>	<a href="http://www.grealelectrictrainshow.com">www.grealelectrictrainshow.com</a>

GREAT ELECTRIC TRAIN SHOW LAYOUTS 2016 – SO FAR...			
NAME	SCALE	PERIOD	FEATURED
Old Elms Road	'OO'	1950s/1960s	HM105
Maxwell Colliery	'OO'	1990s	HM105
Poole-in-Wharfedale	'OO'	1950s	HM104
Haymarket Cross	'OO'	1960s	HM59
Dentdale	'N'	1960s or 2000s	HM95
Goathland	'OO'	2000s	HM99
Charnwood Forest Branch	'O'	1950s	HM99/HM100
Durston	'OO'	1936	HM106
St Stephens Road	'OO'	1950s/1960s	Yearbook No. 4



Soar Valley MRC's stunning Charnwood Forest Branch (HM99/HM100) is set to impress offering 50ft of 'O' gauge and three-sided viewing.

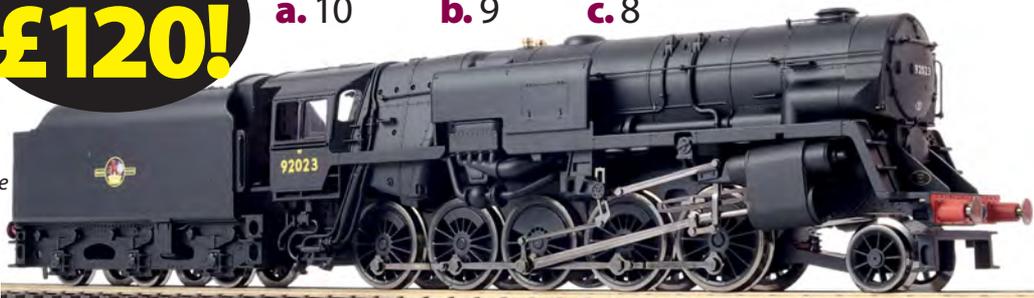
# WIN A Hornby Crosti '9F'!

**WORTH £120!**

**QUESTION:** How many Crosti '9Fs' were built?

- a. 10      b. 9      c. 8

Hornby's 'OO' gauge RailRoad Crosti '9F' models the small class of 10 2-10-0s built between 1954 and 1955 at Crewe Works which were fitted with Franco Crosti boilers. This month *Hornby Magazine* is giving away BR late crest 92023 with smoke deflector, worth £120! All you have to do to enter the competition is answer the following simple question before the closing date of April 25 2016.



### HOW TO ENTER

Send your answer in by visiting [www.hornbymagazine.com](http://www.hornbymagazine.com) and fill in the entry form. Or send your answer, subscriber number (if applicable), and full contact details on a postcard to 'Hornby Magazine 9F competition', Key Publishing, PO Box 100, Stamford, Lincolnshire PE9 1XQ. Alternatively, send the same details by e-mail to [competitions@keypublishing.com](mailto:competitions@keypublishing.com) with 'Hornby Magazine 9F competition' in the subject field.

**RULES:** Strictly no multiple entries. The winner will be the first correct answer drawn at random immediately after the closing date. There is no cash alternative, and no correspondence can be entered into. The competition is not open to employees of Key Publishing

or *Hornby Magazine*. The Marketing Manager's decision is final. The winner will be notified by post, and will be published in HM108. The closing date for entries is April 25 2016 and winners will be notified within a week of the closing date. No purchase necessary.

# EVERYTHING YOU NEED FOR YOUR DIGITAL RAILWAY

## DIGITRAINS

**Just starting out in DCC and not sure what's available?  
Grown out of your system and thinking of upgrading?  
Getting into sound and want to know the best decoders?**

**DIGITAL COMMAND CONTROL (DCC) is one of the fastest growing areas of the model railway hobby.**

As the first new company to set up as a DCC specialist in the UK, DIGITRAINS now has a decade of hard-earned experience to share. Working in all the popular scales, we are here to guide you through the often daunting process of choosing the best equipment.

We stock a wide range of products as well as offering free advice, a decoder installation service and, we believe, the best DCC 'test drive' facility around.

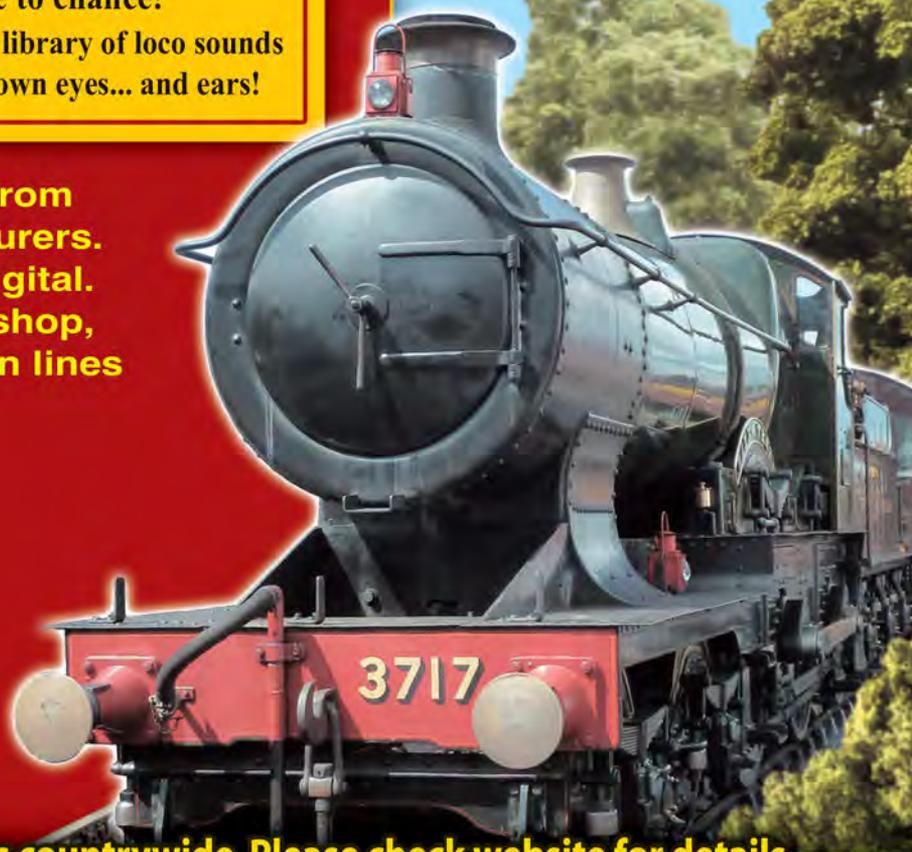
**Don't leave that major purchase to chance!**

**Why not visit our shop? Our comprehensive library of loco sounds can be demonstrated in front of your very own eyes... and ears!**

**We stock 1,000s of products from more than 30 leading manufacturers. And don't worry if you're not digital. We're also a traditional model shop, holding all the major ready-to-run lines**



- **Try before you buy**
- **Expert advice**
- **Great service**
- **Experience**
- **Major brands**
- **Worldwide mailing**



**We regularly attend railway shows countrywide. Please check website for details**

**15 Clifton Street, Lincoln LN5 8LQ  
01522 527731**

**[www.digitrains.co.uk](http://www.digitrains.co.uk)  
[enquiries@digitrains.co.uk](mailto:enquiries@digitrains.co.uk)**

# GAUGEMASTER.com

The Online Home of **The Engine Shed**

## DCC CONTROL



DCC01 Prodigy Express System £149.95



DCC02 Prodigy Advance2 System £279.95



DCC03 Prodigy Advance2 Wireless System £479.95



DCC04 Prodigy Adv2 Backlit Walkaround £129.95



DCC15 Decoder Doctor Decoder Tester £79.95



DCC49 Prodigy DCC Booster Unit 8 Amp £179.95



DCC65 Prodigy Wireless Conversion Set £259.95



DCC68 Spare plug for Prodigy £3.25



DCC71 Prodigy Decoder Tester £9.95



DCC72 8 to 21 Pin Adapter £4.50



DCC77 Prodigy Walkaround Adapter £9.95

GMC-100M0 Single Track O Scale	£84.95
GMC-10LGB Single Track G Scale	£99.95
GMC-10LGB5F Single Track G Scale Fan	£169.95
GMC-P Single Track Simulation	£99.95
GMC-PO Single Track Simulation O Scale	£99.95



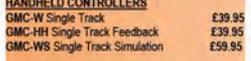
GMC-D Twin Track	£94.95
GMC-DO Twin Track O Scale	£164.95
GMC-DF Twin Track Feedback	£99.95
GMC-DS Twin Track Simulation	£164.95
GMC-TS Three Track Simulation	£174.95



GMC-Q Four Track £169.95



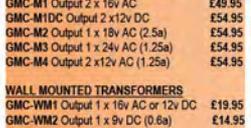
GMC-100 Single Track	£34.95
GMC-100 O Single Track O Scale	£44.95
GMC-100LGB Single Track G Scale	£54.95
GMC-U Single Track Simulation	£44.95
GMC-UF Single Track Feedback	£39.95
GMC-UO Single Track Simulation O Scale	£59.95
GMC-UD Twin Track	£54.95
GMC-UDF Twin Track Feedback	£59.95
GMC-UDS Twin Track Simulation	£69.95
GMC-UTS Three Track Controller Sim.	£79.95
GMC-UQ Four Track	£84.95



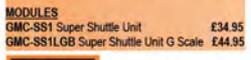
GMC-W Single Track £39.95



GMC-HH Single Track Feedback £59.95



GMC-M1 Output 2 x 16V AC	£49.95
GMC-M1DC Output 2 x 12V DC	£54.95
GMC-M2 Output 1 x 18V AC (2.5a)	£54.95
GMC-M3 Output 1 x 24V AC (1.25a)	£54.95
GMC-M4 Output 2 x 12V AC (1.25a)	£54.95



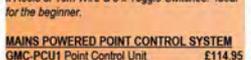
GMC-S1 Super Shuttle Unit £34.95



GMC-S1LGB Super Shuttle Unit G Scale £44.95



GMC-PCU1 Point Control Unit £114.95



GMC-PCU2 Slave Unit for PCU1 £52.95



GMC-COMBI Single Track Controller £39.95



GMC-100M Single Track £84.95

## 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 £5.35  
GMC-PM2 Motor No Switch £4.95  
GMC-PM4 Motor Latching Mechanism £8.25

## UNCOUPLERS

GMC-EM1 N Electro Magnetic Uncoupler £8.95  
GMC-EM2 Coupling Adaptor Fret (20) £4.95  
GMC-TLU OO Tension Lock Uncoupler £10.95

## TRACK

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



GMC-HF1 Single Track Unit £39.95



GMC-HF2 Double Track Unit £49.95

### AXLE-HUNG TRACK CLEANING PADS



GM37 OO/HO Track Cleaning Pads (3) £5.50  
GM39 N Track Cleaning Pads (3) £5.50

## TRACK TESTER



GM52 Multi Scale Track Tester £4.95

## OO SCALE FLEXIBLE TRACK

GM90 900mm N/Silver Flexible Track (100)	£295
GM93 900mm N/Silver Blk Flexi Track (24)	£79.95
GM94 900mm N/Silver Bm Flexi Track (24)	£79.95
GM97 900mm N/Silver Bm Flexi Track (100)	£295
GM19 Code 100 (OO) Rail Joiners (24)	£2.45

## OO SCALE TRACK ACCESSORIES

GM45 OO/HO Re-Railer £5.35  
GM54 OO Buffer Stop £1.85  
BPGM54 OO Buffer Stop (5 Pack) £8.35



GM55 OO LH Buffer Stop £6.95



GM56 OO Buffer Stop Lights (Pack of 2) £9.95

GM13 Pair of Leads (Joiners/Bare Wire)	£4.95
GM66 Hornby Type Track Pins 10mm	£2.60
GM67 Extra Long Track Pins 15mm	£2.60

## N SCALE FLEXIBLE TRACK

GM18 Code 80 (N) Rail Joiners (24) £2.35

## N SCALE TRACK ACCESSORIES

GM46 N Re-Railer £2.95  
GM53 N Scale Buffer Stop £4.50  
BPGM53 N Scale Buffer Stop (Pack of 5) £19.95



GM57 N Lit Buffer Stop on Track £9.25

## OO GREY BALLASTED UNDERLAY SYSTEM

GM114 OO/HO Granite Ballast (500g) £3.55  
GM117 OO/HO Granite Ballast (200g) £2.35



GM200 Flexible Ballasted Underlay (5m) £22.95  
GM204 Point & Crossing Ballasting Kit £7.95

## OO BROWN BALLASTED UNDERLAY SYSTEM

GM111 OO/HO Brown Ballast (500g) £3.55  
GM210 Flexible Ballasted Underlay (5m) £22.95  
GM214 Point & Crossing Ballasting Kit £7.95

## N GREY BALLASTED UNDERLAY SYSTEM

GM115 N Granite Ballast (500g) £3.55  
GM118 N Granite Ballast (200g) £2.35  
GM201 N Flexible Ballasted Underlay (5m) £22.95  
GM205 N Point & Crossing Ballasting Kit £7.95

## N BROWN BALLASTED UNDERLAY SYSTEM

GM113 N Brown Ballast (500g) £3.55  
GM211 N Flexible Ballasted Underlay (5m) £22.95  
GM215 Point & Crossing Ballasting Kit £7.95

## OO SCALE CORK TRACKBED SYSTEM

GM251 3mm Cork Trackbed 4.5 x 50cm (6) £8.95

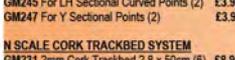


GM252 3mm Cork Plates 15 x 50cm (2) £4.50  
GM240 For RH Sectional Points (2) £3.95  
GM241 For LH Sectional Points (2) £3.95  
GM244 For RH Sectional Curved Points (2) £3.95  
GM245 For LH Sectional Curved Points (2) £3.95  
GM247 For Y Sectional Points (2) £3.95

## N SCALE CORK TRACKBED SYSTEM

GM231 2mm Cork Trackbed 2.8 x 50cm (6) £8.95  
GM232 2mm Cork Plates 15 x 50cm (2) £4.50  
GM225 For RH Sectional Points (2) £3.95  
GM226 For LH Sectional Points (2) £3.95

## SCENICS



GM194 Scenic Starter Pack £24.95

## GENERAL SCENIC MODELLING PRODUCTS

GM100 Mod Roc (2.75m) £4.50  
GM119 Fine Plaster of Paris (1kg) £3.95  
GM130 1/8 Cork Sheet 3' x 2' (60 x 90cm) £6.50  
GM131 1/8 Cork Sheet 3' x 2' (60 x 90cm) £10.50  
GM167 Balsa Bundle 50 x 75 x 228mm £1.95  
GM168 Balsa Bundle 75 x 150 x 450mm £9.95

## 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 £9.95  
GM38 Spring Grass Mat 240cm x 120cm £29.95

## MEADOW MATS



GM140 Meadow Mat - Spring 6mm Grass £8.95  
GM141 Meadow Mat - Meadow 6mm Grass £8.95  
GM142 Meadow Mat - Spring 12mm Grass £11.95  
GM143 Meadow Mat-Meadow 12mm Grass £11.95  
GM147 Meadow Mat - Beige 6mm Grass £8.95  
GM148 Meadow Mat - Beige 12mm Grass £11.95

## STATIC GRASS SYSTEM



GM196 Static Grass Starter Set £9.95  
GM193 Puffer Bottle £4.75  
GM169 Static Grass Glue (250ml) £6.95  
GM170 Spring Grass Flock (30g) £3.15  
GM171 Summer Grass Flock (30g) £3.15  
GM172 Woodland Grass Flock (30g) £3.15  
GM173 Meadow Grass Flock (30g) £3.15  
GM174 Woodland Floor Grass Flock (30g) £3.25

## BUDGET SCATTERERS

GM101 Meadow Scatter (50g) £1.85  
GM102 Mid Green Scatter (50g) £1.85  
GM103 Dark Green Scatter (50g) £1.85  
GM105 Spring Green Scatter (50g) £1.85  
GM108 Earth Brown Scatter (50g) £1.85  
GM109 Black Scatter (50g) £1.85  
GM110 Red Brown Scatter (50g) £1.85  
GM112 Inimition Coal (50g) £2.35  
GM116 Grey Tarmac Scatter (50g) £1.85

## LICHENS & HEDGES



GM160 Light Green Hedgerow (1m) £6.95  
GM161 Dark Green Hedgerow (1m) £6.95  
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) £3.15  
GM151 Fine Dark Green Foliage (30g) £3.15  
GM152 Fine Mid Green Foliage (30g) £3.15  
GM153 Fine Light Brown Foliage (30g) £3.15  
GM154 Fine Brown Foliage (30g) £3.15

## 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 TREE ASSORTMENTS

GM127 N Scale Tree Assortment (10) TBA



GM128 OO Scale Spring Trees (10) £10.95  
GM129 OO Scale Summer Trees (10) £10.95

## 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 Sealoom for Tree Making £19.95  
GM156 Light Green Scenic Leaves (50g) £3.65  
GM157 Mid Green Scenic Leaves (50g) £3.65  
GM158 Dark Green Scenic Leaves (50g) £3.65

## 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

## BRICKWORK

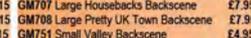
GM30 Plain Stone Wall Grey £9.25  
GM31 Grey Stone Wall & Buttresses £9.25  
GM32 Grey Stone Wall & Arches £9.25  
GM197 Stone Tunnel Wall £7.95  
GM198 Single Tunnel Mouth & Walls £14.95  
GM199 Double Tunnel Mouth & Walls £19.95

## BACKSCENES

GM701 Large Valley Backscene £7.95  
GM702 Large Countryside Backscene £7.95  
GM703 Large Open Field Backscene £7.95



GM704 Large Village Backscene £7.95  
GM705 Large Cloudy Sky Backscene £7.95  
GM706 Large Industrial Backscene £7.95  
GM707 Large Housebacks Backscene £7.95  
GM708 Large Pretty UK Town Backscene £7.95  
GM751 Small Valley Backscene £4.95  
GM752 Small Countryside Backscene £4.95  
GM753 Small Open Field Backscene £4.95  
GM754 Small Village Backscene £4.95



GM755 Small Cloudy Sky Backscene £4.95  
GM756 Small Industrial Backscene £4.95  
GM757 Small Housebacks Backscene £4.95  
GM758 Small Pretty UK Town Backscene £4.95

## 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

## OO/HO SCALE VEHICLE LIGHTING KITS

GM385 Standard Vehicle Kit £12.95  
GM386 Emergency Vehicles Kit (Blues) £14.95  
GM387 Service Vehicles Kit (Orange) £14.95

## N SCALE ROAD SYSTEM

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

## STRUCTURES



OO SCALE FENCING  
GM145 Country Fencing 290mm Length £6.95  
GM146 Garden Fencing 290mm Length £6.95

## OO SCALE LASER CUT KITS



GM451 Wooden Fencing 300mm Length £5.00

TENS OF THOUSANDS OF ITEMS ARE IN STOCK NOW. E & OE.  
WE CAN DELIVER POST FREE TO MOST UK ADDRESSES



**STRUCTURES**

**OO SCALE LASER CUT KITS (Ctd.)**

**GM453 Garden Shed Kit** £6.00

**OO SCALE 'FORDHAMPTON' PLASTIC KITS**

Fordhampton is a bustling market town on a busy mainline running through the rolling South Downs. With both local and express services steaming through, Fordhampton Station serves all kinds of trains from commuters travelling to and from London as well as excursions to the seaside at Brighton! Wherever you are going the station master will be happy to help you get to your destination.

**GM401 Fordhampton Station** £25.50

**GM402 Fordhampton Signal Box** £10.50

**GM403 Fordhampton Footbridge** £17.50

**GM404 Fordhampton Level Crossing** £11.50

**GM405 Fordhampton 60s Estate House** £15.95

**GM406 Fordhampton Locomotive Shed** £19.95  
**GM407 Fordhampton Carriage Platforms** £9.95

**GM408 Fordhampton Village Store or Pub** £17.95

Look out for more additions to Fordhampton as and when planning permission is granted!

**KESTREL DESIGNS**

**N GAUGE PLASTIC KITS**

**GMKD01 House** £4.25  
**GMKD02 Shop** £4.25  
**GMKD03 Bungalow** £3.50  
**GMKD04 Church with Porch** £5.75  
**GMKD05 House/Shop Unit with Glazing** £5.50  
**GMKD06 Two Shop Unit with Glazing** £6.50  
**GMKD07 Four House Unit** £6.50  
**GMKD08 Country Station** £8.50  
**GMKD09 Station Buildings** £5.50  
**GMKD10 Island Platform with Flat Canopy** £8.00  
**GMKD11 Flat Canopy** £5.75  
**GMKD12 Small Signal Box** £6.25  
**GMKD13B Farm Rail Fencing Brown** £3.00  
**GMKD13W Farm Rail Fencing White** £3.00  
**GMKD14 Telegraph Poles** £4.25  
**GMKD15 Windproof Doors & Guttering** £2.75  
**GMKD16 Platforms (2)** £2.25  
**GMKD17 Platform Ramps (2)** £2.25  
**GMKD18 Station Yard Huts** £4.25  
**GMKD19 Weighbridge & Office** £3.25  
**GMKD20 Coal Office** £5.75  
**GMKD21 Level Crossing/Keepers Cottage** £3.00  
**GMKD22 Four Greenhouses** £3.00  
**GMKD23 Two Domestic Garages** £4.50  
**GMKD24 Water Tower** £4.50  
**GMKD25 Corner Shop** £4.50  
**GMKD26 Corner Pub** £4.50  
**GMKD27 Three Storey Townhouse** £5.75  
**GMKD28 Three Storey Town Shop** £5.75  
**GMKD29 Modern Station** £7.75  
**GMKD30 Modern Station Waiting Room** £5.50  
**GMKD31 Station Masters House** £6.25  
**GMKD32 Pair Pre War Semi Det. Houses** £7.00  
**GMKD33 Boilerhouse & Chimney** £6.25  
**GMKD34 Stable Block** £3.75  
**GMKD35 Cow Shed** £3.50  
**GMKD36 Barn** £5.75  
**GMKD37 Farm House** £7.25

**GMKD38 Steel Footbridge** £7.25  
**GMKD39 Modern Industrial Unit** £5.75  
**GMKD40 Modern Fire Station** £7.00  
**GMKD41 Platforms Wide (2)** £3.25  
**GMKD42 Platform Ramps Wide (2)** £2.75  
**GMKD43 Goods Shed** £7.50  
**GMKD1000 Town Station** £16.95  
**GMKD1001 Old Factory with Chimney** £19.95

**N GAUGE LASER CUT KITS**

The same as the ultra detailed OO equivalents (GM451/GM452/GM453) - pack sizes vary from the 4mm versions though

**GMKD51 Wooden Fencing** £5.00  
**GMKD52 Lattice Fencing** £5.00  
**GMKD53 Garden Sheds (2)** £5.00

**N GAUGE VALUE KIT SETS**

**GMKD2000 Station Set** £14.95  
**GMKD2001 Town Set** £12.95  
**GMKD2002 Suburban Set** £14.95  
**GMKD2003 Farm Set** £16.95

**TOOLS**

**MODEL RAILWAY MAINTENANCE**

**GM50 OO/HO Locomotive Wheel Cleaner** £39.95  
**GM47 N Gauge Wheel Cleaner** £34.95  
**GM51 Spare Pads for GM50** £17.95  
**GM49 Spare Pads for GM47** £17.95  
**GM59 N Scale Wheel Cleaner** £15.95

**SOLDERING IRONS & BITS**

**GM680 15W 230V Soldering Iron** £16.95  
**GM681 25W 230V Soldering Iron** £18.95  
**GM682 40W 230V Soldering Iron** £23.50  
**GM685 15W No.8 Tip** £3.50  
**GM686 15W No.8 Tip** £3.75  
**GM687 25W No.8 Tip** £3.75  
**GM688 25W No.7 Tip** £3.75  
**GM689 25W No.8 Tip** £3.75  
**GM690 40W No.8 Tip** £3.75  
**GM691 40W No.7 Tip** £3.75  
**GM692 40W No.8 Tip** £3.75

**SOLDERING ACCESSORIES**

**GM01 Low Wt Solder 70 degrees (20g)** £4.25  
**GM02 Solder 180 degrees (20g)** £3.95  
**GM03 White Metal Flux** £5.95  
**GM04 Brass Flux** £5.95  
**GM05 Non Acid Safety Flux** £6.25  
**GM06 Solder Wire 145 Degrees** £4.85

**SWITCHES**

**GM501 Slide Switch DPDT** £1.65  
**GM502 Slide Switch DPDT (C/Off)** £1.65  
**GM503 Toggle Switch SPST** £2.30  
**GM504 Toggle Switch DPDT** £2.60  
**GM505 Mini-Toggle DPDT (C/Off)** £3.10

**GENERAL MODELLING TOOLS**

**GM08 Modelstrip (115mm)** £6.95  
**GM26 Track Rubber** £3.15  
**GM27 Jumbo Track Rubber** £5.75  
**GM600 A2 Cutting Mat** £14.95  
**GM601 A3 Cutting Mat** £9.95  
**GM602 A4 Cutting Mat** £4.95  
**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)** £3.95  
**GM610 Double Ended Pin Vice** £5.75  
**GM611 Sawset 1 w/ Scalpel Handle** £9.50  
**GM613 Trim-away Knife** £3.75  
**GM614 S/S Scalpel & Blades** £4.95  
**GM615 Plastic Scalpel & Blades** £5.50  
**GM616 Cutting Knife & 5 Blades** £6.25  
**GM617 Pick-Up Tool** £3.00  
**GM618 Magnifier Tweezers** £3.00  
**GM621 Locking forceps Curved** £4.25  
**GM624 Swivel Top Pin Vice** £2.75  
**GM625 Curved Tweezer R/Action** £2.25  
**GM626 Straight Tweezer R/Action** £2.25  
**GM627 Blunt End Tweezer R/Action** £4.25  
**GM629 Cutting Discs (10)** £4.95  
**GM630 Screw Top Mandrels (3)** £3.25  
**GM631 Slitting Discs (10) & Mandrel** £5.75  
**GM632 Budget Needle File Set** £3.00  
**GM633 Glass Fibre Pencil 4mm** £3.75  
**GM634 4mm G/Fibre Refills (10)** £4.50  
**GM635 2mm G/Fibre Refills (10)** £3.75  
**GM636 2mm G/Fibre Refills (5)** £5.75  
**GM638 Cutting Broaches 0.6-2.0** £5.75  
**GM640 Archimedian Drill Stock** £7.75  
**GM641 HSS Jobrs Drills 0.5 (5)** £5.50  
**GM642 HSS Jobrs Drills 0.8 (5)** £6.25  
**GM643 HSS Jobrs Drills 1.0 (5)** £6.25  
**GM644 HSS Jobrs Drills 1.2 (5)** £6.25  
**GM645 HSS Jobrs Drills 1.5 (5)** £6.25  
**GM646 HSS Jobrs Drills 1.8 (5)** £3.75  
**GM647 HSS Jobrs Drills 2.0 (5)** £3.50  
**GM648 Microbros Drills 0.3-1.6** £5.75  
**GM649 Microbros HSS Twist Drill Bits 0.8-1.0** £10.95  
**GM650 HSS Jobrs Drills 0.3 (5)** £3.95  
**GM651 HSS Jobrs Drills 0.4 (5)** £3.95  
**GM652 HSS Jobrs Drills 0.6 (5)** £3.95  
**GM653 HSS Jobrs Drills 0.7 (5)** £3.95  
**GM654 HSS Jobrs Drills 0.9 (5)** £3.95  
**GM655 Spare Blades for GM614** £2.50  
**GM656 Spare Blades for GM616** £2.50  
**GM660 Pick n Place Twin Pack** £7.75  
**GM664 Economy Sprue/Plastic Cutter** £4.50  
**GM666 Clip On Magnifying Eye Glass** £6.50  
**GM669 Pin Pusher with Depth Stop** £9.95  
**GM670 Deluxe Paintbrush Set** £9.95

**WIRE**

**GM10 Wire Red/Black/Green (10m of each)** £5.95  
**GM11BK Wire Black 7 x 0.2mm (10m)** £2.15  
**GM11BL Wire Blue 7 x 0.2mm (10m)** £2.15  
**GM11BN Wire Brown 7 x 0.2mm (10m)** £2.15  
**GM11GN Wire Green 7 x 0.2mm (10m)** £2.15  
**GM11GR Wire Grey 7 x 0.2mm (10m)** £2.15  
**GM11O Wire Orange 7 x 0.2mm (10m)** £2.15  
**GM11P Wire Pink 7 x 0.2mm (10m)** £2.15  
**GM11R Wire Purple 7 x 0.2mm (10m)** £2.15  
**GM11RW Wire Red 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 Green Wire 7 x 0.2mm (100m)** £7.95  
**BPGM11GR Grey Wire 7 x 0.2mm (100m)** £7.95  
**BPGM11O 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  
**BPGM11RW 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)** £4.55  
**GM14 Crimped Pin Terminals (6)** £2.95  
**GM15 Ring Terminals (6)** £1.95  
**GM16 Pair Connecting Leads (Pin/Pin)** £4.95  
**GM28 Crocodile Clips Red/Black Pair** £1.65  
**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 PS6 6-Way Din Plug-Socket** £2.95  
**GM77 12-Way Poly Terminal Block** £1.95  
**GM89 Pack of 5 Amp Fuses (5)** £2.65

**LIGHTING**

**GM61 Micro LED White (4)** £7.95  
**GM62 Micro LED Red (4)** £7.95  
**GM63 Micro LED Blue (4)** £7.95  
**GM64 Micro LED Orange (4)** £7.95  
**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)** £3.95  
**GM72 Grain of Wheat Bulb 12v Green (5)** £3.95  
**GM73 Grain of Wheat Bulb 12v Orange (5)** £3.95  
**GM69 GOW 12v Yellow (100)** £49.95  
**BPGM70 GOW Bulb 12v Red (100)** £49.95  
**BPGM71 GOW Bulb 12v Clear (100)** £49.95  
**BPGM72 GOW Bulb 12v Green (100)** £49.95  
**BPGM73 GOW Bulb 12v Orange (100)** £49.95  
**GM80 LED Red 3mm 12v (5)** £2.25  
**GM81 LED Red 3mm 12v (5)** £2.25  
**GM82 LED Yellow 3mm 12v (5)** £2.25  
**GM83 LED Green 3mm 12v (5)** £1.95  
**GM84 LED Red 5mm 12v (5)** £1.95  
**GM85 LED Yellow 5mm 12v (5)** £1.95  
**GM76 Resistor 1K Ohm for LEDs (10)** £1.60

**MAGNETS**

**GM86 Small Magnets (10)** £5.50  
**GM87 Medium Magnets (10)** £5.75  
**GM88 Large Magnets (10)** £6.00  
**GM98 3v Bulbs (10) & Capacitors (5)** £5.95  
**GM99 Pack of Reeds & 5 Magnets** £13.95

**UNIVERSAL RELAY SWITCH**

**GM500 Universal Relay Switch (Single)** £5.25  
**BPGM500 Universal Relay Switch (3)** £13.95

**GM353 CATALOGUE**

128 Page Full Colour Catalogue

**£3.95**

**ELECTRICS**

**GM354 2015 NEW ITEMS BROCHURE**

28 Pages. Free from your local dealer or direct from us.

**GM506 Mini-Toggle DPDT** £2.70  
**GM507 Mini-Toggle SPST** £2.40  
**GM508 Mini-Toggle DPDT** £2.40  
**GM509 Mini-Toggle SPDT (C/Off)** £2.40  
**GM510 Mini-Toggle for Point Motors** £2.65  
**GM511 Mini-Toggle for G Point Motors** £3.60  
**GM512 Push to Break Black (5)** £5.95  
**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 8 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)** £12.95  
**BPGM502 Slide Switch DPDT (C/Off) (25)** £12.95  
**BPGM503 Toggle Switch SPST (25)** £34.95  
**BPGM504 Toggle Switch DPDT (25)** £42.95  
**BPGM505 Mini-Toggle DPDT (C/Off) (25)** £44.95  
**BPGM506 Mini-Toggle DPDT (25)** £42.95  
**BPGM507 Mini-Toggle SPST (25)** £34.95  
**BPGM508 Mini-Toggle SPDT (25)** £34.95  
**BPGM509 Mini-Toggle SPDT (C/Off) (25)** £39.95  
**BPGM510 Mini-Toggle for Point Motors (25)** £44.95  
**BPGM513 Push to Make Black (25)** £9.95  
**BPGM514 Push to Make Blue (25)** £9.95  
**BPGM515 Push to Make Green (25)** £9.95  
**BPGM516 Push to Make Red (25)** £9.95  
**BPGM517 Push to Make White (25)** £9.95  
**BPGM518 Push to Make Yellow (25)** £9.95

**GM10 Wire Red/Black/Green (10m of each)** £5.95  
**GM11BK Wire Black 7 x 0.2mm (10m)** £2.15  
**GM11BL Wire Blue 7 x 0.2mm (10m)** £2.15  
**GM11BN Wire Brown 7 x 0.2mm (10m)** £2.15  
**GM11GN Wire Green 7 x 0.2mm (10m)** £2.15  
**GM11GR Wire Grey 7 x 0.2mm (10m)** £2.15  
**GM11O Wire Orange 7 x 0.2mm (10m)** £2.15  
**GM11P Wire Pink 7 x 0.2mm (10m)** £2.15  
**GM11R Wire Purple 7 x 0.2mm (10m)** £2.15  
**GM11RW Wire Red 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 Green Wire 7 x 0.2mm (100m)** £7.95  
**BPGM11GR Grey Wire 7 x 0.2mm (100m)** £7.95  
**BPGM11O 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  
**BPGM11RW White Wire 7 x 0.2mm (100m)** £7.95  
**BPGM11Y Yellow Wire 7 x 0.2mm (100m)** £7.95

**GM12 Pair Connecting Leads (Pin/Bare Wire)** £4.55  
**GM14 Crimped Pin Terminals (6)** £2.95  
**GM15 Ring Terminals (6)** £1.95  
**GM16 Pair Connecting Leads (Pin/Pin)** £4.95  
**GM28 Crocodile Clips Red/Black Pair** £1.65  
**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 PS6 6-Way Din Plug-Socket** £2.95  
**GM77 12-Way Poly Terminal Block** £1.95  
**GM89 Pack of 5 Amp Fuses (5)** £2.65

**LIGHTING**

**GM61 Micro LED White (4)** £7.95  
**GM62 Micro LED Red (4)** £7.95  
**GM63 Micro LED Blue (4)** £7.95  
**GM64 Micro LED Orange (4)** £7.95  
**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)** £3.95  
**GM72 Grain of Wheat Bulb 12v Green (5)** £3.95  
**GM73 Grain of Wheat Bulb 12v Orange (5)** £3.95  
**GM69 GOW 12v Yellow (100)** £49.95  
**BPGM70 GOW Bulb 12v Red (100)** £49.95  
**BPGM71 GOW Bulb 12v Clear (100)** £49.95  
**BPGM72 GOW Bulb 12v Green (100)** £49.95  
**BPGM73 GOW Bulb 12v Orange (100)** £49.95  
**GM80 LED Red 3mm 12v (5)** £2.25  
**GM81 LED Red 3mm 12v (5)** £2.25  
**GM82 LED Yellow 3mm 12v (5)** £2.25  
**GM83 LED Green 3mm 12v (5)** £1.95  
**GM84 LED Red 5mm 12v (5)** £1.95  
**GM85 LED Yellow 5mm 12v (5)** £1.95  
**GM76 Resistor 1K Ohm for LEDs (10)** £1.60

**MAGNETS**

**GM86 Small Magnets (10)** £5.50  
**GM87 Medium Magnets (10)** £5.75  
**GM88 Large Magnets (10)** £6.00  
**GM98 3v Bulbs (10) & Capacitors (5)** £5.95  
**GM99 Pack of Reeds & 5 Magnets** £13.95

**UNIVERSAL RELAY SWITCH**

**GM500 Universal Relay Switch (Single)** £5.25  
**BPGM500 Universal Relay Switch (3)** £13.95

**GM353 CATALOGUE**

128 Page Full Colour Catalogue

**£3.95**

**GM354 2015 NEW ITEMS BROCHURE**

28 Pages. Free from your local dealer or direct from us.

**GAUGEMASTER Limited Edition News**

**dapal N SCALE**

**DAGM220 C166 DB Schenker - £89.95**  
66 001 IN STOCK (LAST FEW)

**DAGM231 IC Executive Pristine £69.95**  
73 142 Broadlands - ETA Jan 2016

**DAGM232 First GBRT - £69.95**  
73 141 Charlotte - ETA Jan 2016

**DAGM233 South West Trains - £69.95**  
73 235 - ETA Jan 2016

**DAGM234 Southern Livery - £69.95**  
73 202 - ETA Jan 2016

**DAGM235 Pullman - £69.95**  
73 101 The Royal Alex - ETA Jan 2016  
(DAGM230 is already pre-sold out)

**dapal OO SCALE**

**Pullman Class 73 101 - £139.95**  
DAGM100 The Royal Alex  
DAGM101 Brighton Evening Argus  
300pcs of each only - ETA Nov 2015

**RANGES STOCKED**

- Airfix
- Antex
- Atlas
- Bachmann
- Berko
- Busch
- Capital Transport
- Carrera
- Cartrix
- Classix
- Dapol
- DCCconcepts
- Deluxe Materials
- DM Toys
- Dornaplas
- EFE
- Faller
- Fleischmann
- FlySlot
- Gaugemaster
- Graham Farish
- Harburn Hamlet
- Heljan
- HMRS Transfers
- Hobbytrain
- Hornby
- Humbrol
- Ian Allen
- Jagerndorfer
- Kadee
- Kato
- Kestrel Designs
- Kibri
- Knighthwing
- LGB
- Lifelike
- Lightcraft
- Marklin
- Mehano
- Metalcafe
- Middleton Press
- Miniis
- Minitrains
- Modelcraft
- Model Scene
- MRC
- Ninco
- Noch
- NSR
- Oxford Diecast
- Oxford Rail
- Parkside Dundas
- Peco
- Piko
- Plastruct
- Pola
- Preiser
- Racer
- Railmatch
- Ratio
- Revell
- Roco
- Rokuhan
- Rotacraft
- Scalextric
- Scenix
- Seep
- Seuthie
- Sideways
- Slaters
- Slot It
- Slotwings
- Spraycraft
- Springside
- SRC
- Superquick
- Tiny Signs
- Tracksetta
- Train Tech
- TrainSave
- Trumpeter
- Trix
- Viessmann
- Vollmer
- Vulcan Slot
- W & T
- Walthers
- Wiking
- Wills
- Xuron

CONTACT US FOR A FREE PRICE LIST

HUGE BREADTH OF STOCK, VISIT OUR WEBSITE FOR LIVE STOCK INFORMATION

# Jackson BRIDGE

Four members of the Sheffield Model Railway Enthusiasts set out to build a model railway inspired by Yorkshire's Pennine scenery. **RICHARD SMITH** and **BRIAN WHEELAKER** explain how this 'OO' exhibition layout was planned, built and operated.

PHOTOGRAPHY, MIKE WILD.



**L**AYOUTS are conceived in many different ways. Some are drawn up on scrap paper in the local or inspired by endless hours of spotting at the local station. For our little group the conception was simply listening and talking to club members' ideas.

For some 10 years we have had a layout in the club called Dale Road, now dismantled to make way for the next

project. Dale Road had been built by three of the four involved with Jackson Bridge as well as other members and it had been the first proper layout built for many involved. It was a testbed for new ideas and it made an appearance at the Sheffield Model Railway Enthusiasts (Sheffield MRE) show once in a while. Other members had sound-fitted Digital Command Control (DCC) locomotives and listening to them got the cogs turning for our 'what if' layout. >>

## STATISTICS

<b>Owner:</b>	Sheffield MRE
<b>Scale:</b>	'OO'
<b>Length:</b>	16ft
<b>Width:</b>	2ft
<b>Track:</b>	Peco code 100
<b>Control:</b>	DCC, NCE Powercab
<b>Period:</b>	North Eastern Region, late 1950s

 **Gresley**  
**'J39' 0-6-0**  
**64838 draws a rake**  
**of flats loaded with**  
**new tractors across**  
**the junctions at**  
**Jackson Bridge.**



## THE PLAN

Jackson Bridge is a small and characterful village south of Huddersfield in West Yorkshire - in the area well known for the long-running TV series *Last of the Summer Wine*. The two valleys to the north had lines built by the Lancashire & Yorkshire Railway which opened to Holmfirth in 1850 and Meltham in 1869. An old Ordnance Survey map showed a short branch line not far from Hazelhead. Further research suggested this line was opened by the Manchester Sheffield & Lincolnshire Railway which

we believe was to serve a local colliery.

If this line had been extended - albeit down a steep gradient with costly engineering works - it would have emerged at Jackson Bridge. The line could have continued to Huddersfield with a junction provided at either Thongsbridge or Brockholes. The line would have been a useful minor route from Manchester and Stockport to Huddersfield, Halifax and Bradford.

Although Meltham and Holmfirth lost their passenger services before the fall of Beeching's axe, our supposed link

would have saved passenger services at Jackson Bridge until final closure in 1965. This is the back story for our 'what if' layout set in West Yorkshire.

Our usual layout planning methods don't just consist of standing around listening to models making a noise. Most people would plan the track layout, basic structures and scenery first and only then build the baseboards. We did not do it this way. Space in the clubrooms limited us to a 16ft run but this wasn't a problem as we wanted something easy to erect and dismantle that could fit in





**Above:** A 'J39' shunts the goods yard as a Scammell Scarab exits across the river.

**Left:** An Ivatt '2MT' 2-6-2T departs with a short parcels working while a BR '4MT' 2-6-4T waits in the terminus platform with a passenger working for Huddersfield.



our cars to transport to exhibitions.

Wanting to take our modelling skills up a notch particularly in regards to the scenery, we needed enough space to do the Pennine landscape justice. The layout would also have to occupy two operators, offer shunting while allowing other trains to run and offer continuous working. Viewing sections were to occupy as much space as possible so fiddle yards were to be minimal.

DCC sound was a must have, offering sound effects such as buffering up and flange squeal. Not all club members wanted steam and whistle sounds on club nights so the layout would have to be wired for both analogue and DCC operation.

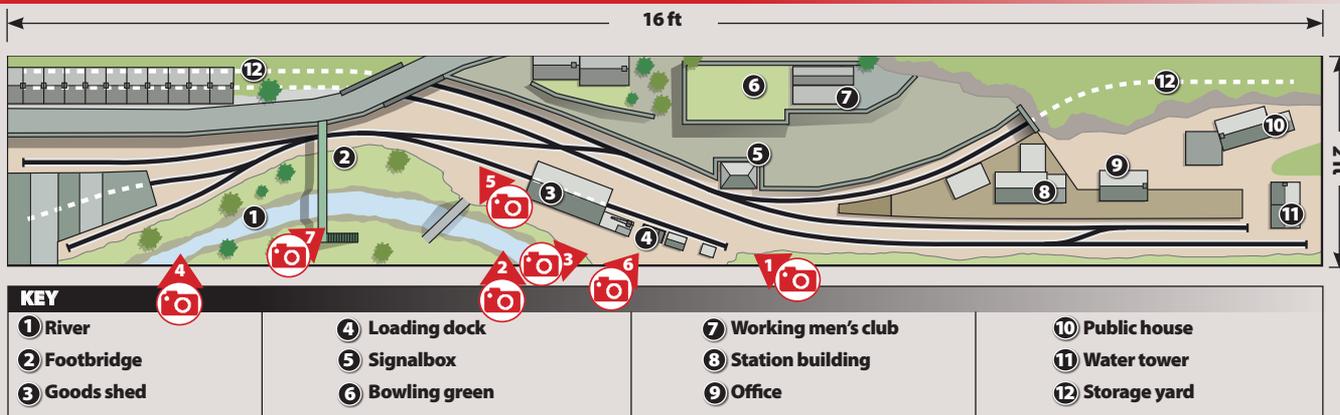
There are currently eight DCC sound locomotives that belong to two members of the team. Any other additions would be expensive to the rest of us so it is very unlikely that there would be any additions.

## CONSTRUCTION

Unfortunately this is the area which led to something of a downfall for me. Four 4ft x 2ft baseboards were built with the frames made of 3in x 0.5in softwood with 9mm plywood tops. 2in x 2in softwood was used for the legs which tightly slot between the sideframes before being secured with coach bolts and having cross members added for rigidity. There are three sub-boards which lean onto a main board before also being secured with bolts. The viewing height is set at 3ft 6in to avoid backache during construction and at exhibitions. We finally used 3mm hardboard at around 10in high for the backscene.

Having built all the solid top boards we started working on the trackplan and basic >>>

## JACKSON BRIDGE TRACK DIAGRAM (Not to scale)



scenery heights. Then ideas began forming about including a river. How was I going to add a river having already built the boards?

### SCENERY

The landforms are made up from polystyrene and covered in plaster painted brown. A couple of huts are leftover items from elsewhere. The pigeon loft is a bought item from Harburn Hobbies but the rest of the buildings are scratchbuilt from good quality picture framing card faced with Slaters plasticard.

Windows and doors are mainly Peco, with some from Kestrel, Ratio and Dornaplas. All buildings were scaled up from 80 photographs taken on site. The station is based on that at Brockholes but without the upper storey, now a private house. The water tower is also based on the structure there. The goods shed is still standing at Honley and is now a bus servicing depot. The factory has elements taken from the mill in Jackson Bridge while the pub, working men's club, cottages and houses are also to be found there.

The mill and the three-storey houses we were told dated from the 1820s. This individual terrace of houses once had weavers' hand looms in them. They were also used as Clegg's, Pearl's and Howard's houses in *Last of the Summer Wine*. The White Horse public house has similarly been spotted as Clegg's local in a few episodes.

The buildings are placed not in actual relation to each other but in the space available to portray a Pennine landscape. This might upset some but since there was never a railway in any case, we felt entirely justified in doing so. Parts from Airfix/Dapol are used in the signalbox, road bridge, footbridge and factory water tower. Weathering is by pastel crayons rubbed on with the finger and then sprayed >>

*"We needed enough space to do the Pennine landscape justice."*

**RICHARD SMITH**



**4** Right: 'J39'  
64848 shunts  
the tractor factory  
sidings collecting  
new vehicles  
for onward  
movement.

**5** Below:  
Gresley 'K3'  
2-6-0 61823  
approaches with  
a through goods  
as a Cravens  
DMU departs for  
Huddersfield.



with hair lacquer to avoid smudging.

The station platform is a card framework covered with card from packets of cereal and is largely unpainted as we think the colour is fine as it is. The rock faces are from plaster, carved and painted appropriately. The river and stream are the well-ried layers of varnish over a dark brown base colour – that's how we resolved that issue! The weir is made from corrugated plasticard and the flat stones from torn card. The irregular stones are different grades of ballast and grit taken from bins for use on the road in winter. Some white detailing was put on top of the varnish using gouache paint.

Wizard Models (Model Signal Engineering) provided parts for the point rods, gantry signal and yard lamps. Other

lamps, action figures and other detailing parts are from Langley and Ratio. Ground cover is a mixture of teddy bear fur, hanging basket liner and old-style carpet underlay. Trees are heather twigs with foliage, ballast and other scatter material from Woodland Scenics. The brambles are from horsehair. The backscene consists of photographs taken in the hills above Jackson Bridge and stitched together using computer software.

### TRACK AND CONTROL

The track used is Peco Streamline code 100; all the points used are large radius Peco code 100 from the live frog range. Although this not 100% accurate for British track, once ballasted, painted and weathered it looks the part. Track was laid directly onto the boards to achieve a flat

look typical of many branch lines with no apparent ballast 'shoulder'. Points and signals (main aspects only rather than the shunt signals) are operated via the wire in tube method with one electrically operated Dapol signal just by the tunnel mouth.

### ROLLING STOCK

For exhibitions rolling stock is confined to the bread and butter locomotives to be found on such a branch line – there are no big 'Pacifics' here. However, club nights are a different matter. Locomotives are all from Bachman and Hornby and run very well as long as the wheels and track are kept clean. They are lightly weathered and detailed, as is the coaching and freight stock. Typically, freight and passenger trains from Huddersfield terminating at Jackson Bridge





 Above: The home team is winning at Jackson Bridge bowling green.

 Below: With a mixture of Thompson and BR Mk 1 stock behind a Gresley 'V3' 2-6-2T crosses onto the main line on a through working.



**SEE IT AT...**  
**SHEFFIELD MRE**  
**EXHIBITION**  
**MARCH 19/20 2016**  
**BIRKDALE SCHOOL, OAKHOLME**  
**ROAD, SHEFFIELD S10 3DH**  
**WWW.SHEFFIELDMODELRAILWAYENTHUSIASTS.COM**

consist of suburban non-corridor coaches hauled by a Fairburn '4MT' 2-6-4T, 'Black Five' 4-6-0 and Ivatt '2MT' 2-6-2T. Trains from the Manchester end provide some Eastern Region variety with 'J39' 0-6-0s, 'V3' 2-6-4Ts and 'K3' 2-6-0s. We also have Diesel Multiple Units from both regions. The new Thompson and Gresley suburban coaches by Hornby will find a ready home at Jackson Bridge too in the future. Our factory turns out tractors, paying homage to the Meltham branch where there was a David Brown factory. Flat trucks are pushed in to emerge later with a tractor on board. The door is operated by pulling on fishing line and has a flashing welding light from Express Models to make it look as if something is happening.

### THE FUTURE

We have yet to install a remote uncoupling system and are experimenting with different versions. We are also working towards a timetable sequence to provide some purpose and variety. In reality of course, a branch such as this would only have one goods train per day and the same locomotives and coaches time and time again. We are aiming for a sequence that will avoid repetition for the onlooker as well as operators. As a starting point we have a timetable provided by a member who is a signalman on the rail network. We can offer no excuses therefore if we have our signalling wrong!

We are considering the possibility of amending the period we have set the layout to allow a little more flexibility on locomotive types available for exhibition. There is a new layout under construction in the clubrooms too and we may also be able to link Jackson Bridge to this in the future, which would provide greater flexibility on how the layout is operated. If a link is not possible we may have to rethink the fiddle yards which have proven a little more restrictive than anticipated: this would also help by reducing the stock handling during exhibitions.

All in all the layout has proved very reliable and for the most part is enjoyable to operate. There are still a few kinks to work out - mostly around an automatic uncoupling method and getting the main signals on the platform to work more reliably - but we would say the layout is there or thereabout complete. 

# CARD MODELLING - HAVE YOU TRIED IT?

If you haven't, you will be amazed at just how technical and sturdy Metcalfe kits can be and a real pleasure to build.

Shown here is the inside of our PO238 wayside station kit with the many layers and inner components that make our kit the most sturdy on the market.



## Wayside Station

Contains laser cut detailing.

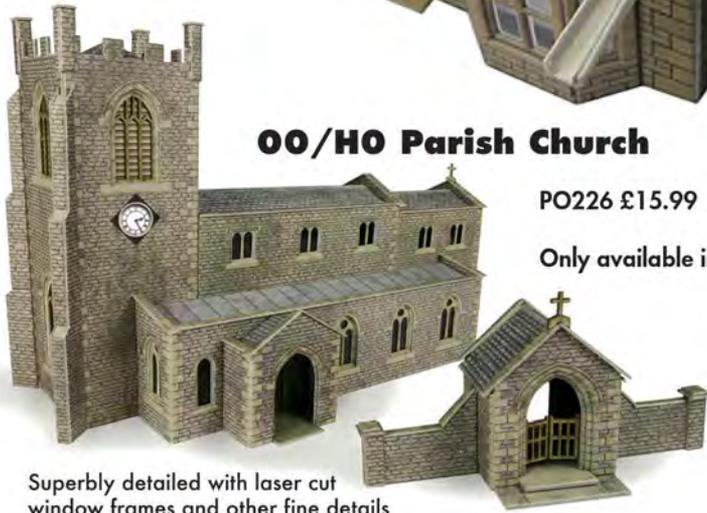


N scale PN138 £9.50  
00 scale PO238 £16.99

## 00/HO Parish Church

PO226 £15.99

Only available in 00



Superbly detailed with laser cut window frames and other fine details

## 00/HO GWR Signal Box

PO330  
£14.99

Only available in 00 scale



## Retaining Wall

Available in stone or red brick styles. Match up with the bridge and tapered walls shown below.

N Brick PN145 £8.99  
N Stone PN144 £8.99  
00 Brick PO244 £11.99  
00 Stone PO245 £11.99



## Railway Bridge

N Brick PN146 £11.99  
N Stone PN147 £11.99  
00 Brick PO246 £13.99  
00 Stone PO247 £13.99

## Tapered Retaining Walls

The two walls in this kit can be made into a ramp for use with the bridge as shown.

N Brick PN148 £8.99  
N Stone PN149 £8.99  
00 Brick PO248 £12.99  
00 Stone PO249 £12.99

## Single Track Engine Shed



Red Brick Style N scale PN931 £10.99 00 scale PO331 £15.99  
Stone Style N scale PN932 £10.99 00 scale PO332 £15.99

## Metcalfe Ultra-Fine Glue Applicators

Pack of three bottles. For precise and controlled flow of liquid glue. Essential when gluing fine and small components

MT907 £3.75



Follow us

@MetcalfeModels1



find us on



Facebook

See the rest of our range of N & 00 scale kits at:

**metcalfemodels.com**

**Mail Orders to:**

Metcalfe Models & Toys Ltd.  
Bell Busk, Skipton. BD23 4DU

**Tel: 01729 830072**

POSTAGE (UK ONLY)

Up to £19.99 £2.50 Thereafter £4.50

Phone or write for free brochure.

# METCALFE

## Card Construction Kits



### Low Relief Timber Frame Shop Front

A touch of nostalgia for the high street. This type of building can still be found on lots of shopping streets. Contains laser cut detailing.

Available in 00 only  
PO421 £8.00  
N scale out soon.



### Low Relief Department Store

An intricate period department store with optional doors that can be fitted either end of building or in centre units. Add on extra kits to make a truly authentic large city style shop.

Available in 00 only  
PO279 £13.99

N scale out soon.



### Small Factory

N scale PN183 10.99  
00 scale PO283 £13.99



**PLEASE NOTE:**  
N Scale versions of the three factory buildings shown here vary in design.

The models shown here are the 00 kits.

### Factory Boiler Entrance & House

N scale PN184 £12.99  
00 scale PO284 £13.99



A collection of add-on buildings to enhance the Small Factory and Warehouse kits.

### Warehouse

N scale PN182 £10.99  
00 scale PO282 £13.99



Can be built as complete stand alone building or split into low relief as shown here.

### Single Track Tunnel Entrances

Each pack contains two entrances.



N scale PN143 £7.25  
00 scale PO243 £8.25

### Platform Kiosk



00 scale PO517 £5.75  
N scale PN817 £5.50

### Signal Box Set

Code PN133  
£9.00

This set is only in N scale.



### Platform Canopy



N scale PN940 £16.50  
00 scale PO340 £14.99

Finely detailed laser cut canopy kit.  
**NOTE:** 00 Scale 4 bay  
N Scale 8 bay as shown

**Visiting Skipton?** You will find the full range of Metcalfe kits at Craven Model Centre, Mount Pleasant, Skipton High Street, BD23 1JZ

### Wooden pavilion

No village green or sports field should be without one.

00 scale PO410 £6.50  
N scale PN821 £5.50



# UNDERGROUND

# ILLUMIN

With the addition of passenger compartment lights the S8 unit takes on a much more realistic appearance – and all for only one hour's work. The headlights are controlled via a Gaugemaster Omni 21-pin DCC decoder fitted onto the model's factory installed decoder socket.

**GO ONLINE!**  
VISIT [WWW.HORNBYMAGAZINE.COM](http://WWW.HORNBYMAGAZINE.COM)  
TO SEE THIS IN ACTION

# ATION

Train-Tech has produced a bespoke set of interior lighting and sound units to enhance the London Transport Museum S Stock 'OO' gauge unit. **MIKE WILD** shows how to install them to make this attractive ready-to-run unit even better.

**T**RANSPORT FOR LONDON'S underground stock always has its interior lights on whether they are running above or below ground. The 2015 released S8 unit which was produced for the London Transport Museum by Bachmann had exterior lighting but nothing for the interior. That can now be corrected quickly and easily with this specially designed kit by Train-Tech.

This is more than just a lighting kit. Firstly it has been designed with ease of installation in mind. It requires no soldering and goes further than just illuminating the passenger compartments – it adds spark effects to the driving cars as well as the warning sounds played by the units for opening and closing of its sliding doors.

The process of installation is, just as the manufacturer suggests, simple. Remove the body from each vehicle as described in the instruction sheet, clip in a battery to each lighting strip and fix them to the roof with your choice of contact adhesive or Blu Tack.

The sound unit has been neatly designed to minimise its impact on the passenger compartment – in fact so good is its position that we struggled to get an image that shows its appearance above the windows after installation.

The spark effect LEDs, which connect to pre-assembled connections on the driving car lighting strips, can be very simple to fit too. However, we decided to improve upon their appearance which adds a few minutes' extra work to the process. Once you know how the parts go together there is no reason why the entire train couldn't be equipped with lighting in under an hour.

The step by step guide shows the process of installation from start to finish making this unit ready to go to work underground. [View](#)

**WHAT WE USED**

PRODUCT	MANUFACTURER	CAT NO.	PRICE
S Stock four-car set	Bachmann	39-990	£280
S Stock four-car light and sound set	Train-Tech	CL151	£89

**STEP BY STEP INSTALLING LIGHTS AND SOUND IN S STOCK**

Beginner **SKILL LEVEL** Intermediate Advanced

**1** The Train-Tech lighting kit for the S Stock unit comes with all you need to equip a four-car unit. Additional strips are available to equip further carriages.

**2** To power up each of the lighting strips clip in one of the supplied coin batteries and the lights will turn on. They are automatically configured to turn off after a certain period of inactivity to conserve battery life.

**3** The centre trailer cars are the simplest to equip. Unclip the body from the chassis by running a fingernail along the bottom edge of the body. Use business cards to assist in keeping the body away from the chassis clips if necessary.

**4** The lighting strips are designed to fit into S Stock carriages – and they do, perfectly. This is a lighting strip fitted into the roof using contact adhesive.

## STEP BY STEP INSTALLING LIGHTS AND SOUND IN S STOCK

Intermediate  
Beginner **SKILL LEVEL** Advanced



**5** With the room lights turned on the effect of the new lights is subtle but effective. They give a realistic cool white light to the interior.



**6** Next is the second centre trailer. This has been fitted with the light and sound module in the same way as the previous carriage. The sound module operates using Train-Tech's motion sensors to operate only when the train comes to a stand.



**7** Once installed the speaker is barely visible – we had to really stoop down to get this angle showing the speaker through the windows.



**8** Turning to the driving cars – both follow the same process – the first job is to release the body from the chassis. Remove the two screws at the rear either side of the coupling...



**9** ... followed by the single screw ahead of the leading bogie. This will allow the body and chassis to separate easily for work on the interior.



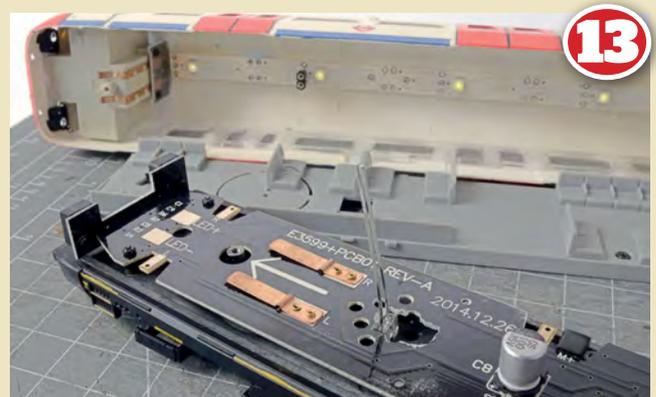
**10** Next, to make the installation as neat as possible we need to remove the seating unit. Three small crosshead screws hold this in place.



**11** With the seating unit removed we are ready to add the new internal components consisting of a lighting strip and a separate LED powered by the strip to represent sparking on the collector shoes.



**12** The LED legs plug into this connector on the lighting strip. Check which way round the LED operates first before moving onto the next stage – this is important as the LED will only work one way round.



**13** To make the installation neat and tidy and keep the LED as hidden as possible we extended the holes in the speaker cover with a drill and file. Take care doing this modification as the work comes very close to one of the tracks on the Printed Circuit Board.



A District Line S7 enters West Brompton on January 25 2016 heading for Edgware Road. These new trains are a radical upgrade from the previous sub-surface stock on the London Underground network. *Mike Wild*

**14**



The LED is fixed in place with Blu Tack for ease of movement and the speaker holes are covered with black insulation tape to ensure that any light from the LED only emits under the chassis.

**15**



To minimise obstruction into the passenger compartment two 1.5mm diameter holes were drilled in the centre of the speaker cover rather than removing this part altogether as suggested in the instructions.

**16**



The disadvantage of not removing the speaker cover is fitting the body back on and correctly locating the LED legs into the connector on the lighting strip. Care and adjustment of the leg angles made this straightforward.

**17**



Underneath, the LED head pokes through the central speaker hole in the chassis. This neat installation is totally invisible when the model is on the track but accurately creates a sparking effect – a common sight with London Underground stock.

**18**

Now finished, the motor coach is ready to be added to the centre trailers leaving a repeat of the process for the other car to be done to complete the train. Simple but effective.



**USEFUL LINKS**

• The S Stock and lighting kit are available from the London Transport Museum shop. Visit [www.ltmuseumshop.co.uk](http://www.ltmuseumshop.co.uk)

# BIG PLANS for small spaces

Train sets are a great starting point for creating a model railway layout. **MARK CHIVERS** shows how they can be expanded easily to increase their interest and fun – and all within 6ft x 4ft.

**A** TRAIN SET offers a great entry point to model railways, usually including a basic oval of track together with a locomotive, selection of rolling stock and sometimes accessories such as platforms or buildings.

Over time additional track can be added enabling the basic oval to become something a little more impressive, perhaps with a continuous double loop and a few sidings. Space limitations, particularly in modern houses, also have to be taken into consideration and often this results in the model railway layout being limited in size. This is fine until you want to improve on the basic train set layout – do you go for a bigger baseboard or do you make better use of the one you already have?

The transition doesn't always have to be huge – it could be as simple as adding a few extra sidings or an extra storage loop to allow you to have more than one or two trains on your layout at a time.

The following selection of 'OO' gauge track plans have been designed to take the train set concept forward whilst still maintaining a typical 6ft x 4ft footprint for the baseboard. Each offers something a little more exciting than the standard continuous loop scenario and most rely on standard sectional track components.

Peco 'OO' gauge code 100 track has been used throughout the designs, which is fully compatible with standard Bachmann and Hornby sectional track included with train packs and sets. In some cases, lengths of flexible track have also been used to help

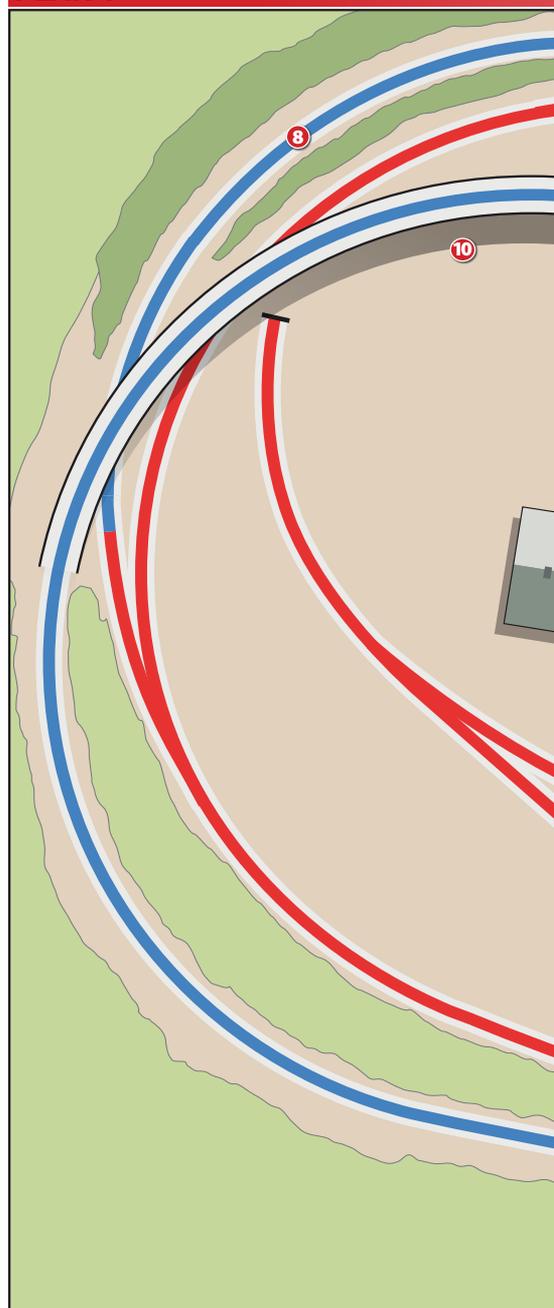
transitions on some curves and these will require cutting to length with track cutters. In addition to being available in yard lengths, flexible track is also a cost-effective alternative to using standard sectional track pieces.

Three of the designs retain continuous loop operation with variations, while there is also a self-contained end-to-end style depot layout which could be adapted for steam or diesel operation. In 'OO', a 6ft x 4ft space is very quickly swallowed up so if you have more room available these plans could easily be adapted to suit your needs.

A modicum of building skills may also be required as two of the designs feature elevated track sections for extra operational interest. That said, a selection of useful off-the-shelf accessories is available to help overcome any concerns you may have in creating an elevated track section on your layout such as Hornby's inclined piers (Cat No. R658), elevated track support set (R909) and high level piers (R659). These elements combined with other products in the range such as the company's girder bridge kit (R657), for example, could be used to support the elevated track sections as they pass over the lower tracks.

Whilst fictional in nature, these track plans are aimed primarily at having fun and seeing what can be achieved on a 6ft x 4ft baseboard. Each has been designed to feature something different to the norm whether it's the sweeping upper level of Plan 1, the tightly formed hidden storage loop in the centre of Plan 2, the locomotive depot scene of Plan 3 or the raised branch line station section of Plan 4.

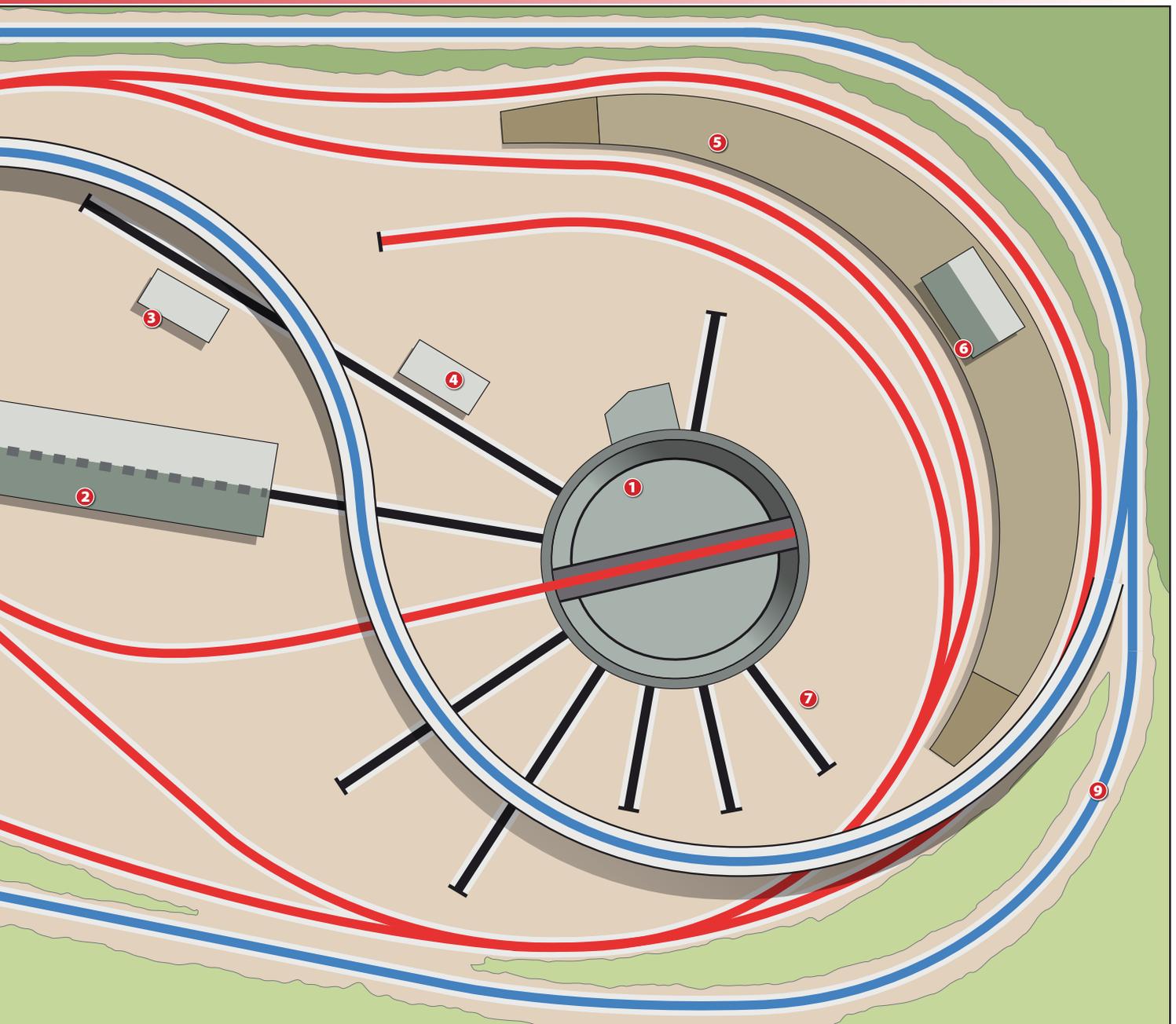
PLAN 1



**P**LAN 1 is ambitious but fun, as it features a single continuous circuit with passing loop, station, locomotive depot and turntable on the lower level as well as single track elevated section which gradually rises around the edge of the baseboard before sweeping back above the locomotive depot and regaining the single track section. Whilst track intensive, just seven points are required.

This scheme offers plenty of potential with its operating turntable and the visual drama of a train running on the elevated section. To achieve this, however, thought needs to be given to the gradient of the elevated section to enable your locomotive fleet to climb it successfully as well as the length of trains likely to be operated: otherwise it could become frustrating if locomotives slip to a stand. Placement of elevated section supports above the locomotive depot also requires careful planning to prevent fouling the turntable sidings beneath.

The electrics for this layout also need consideration as the elevated section



### PLAN 1 - WHAT WE USED

PRODUCT	MANUFACTURER	CAT NO.	QUANTITY
Turntable	Hornby	R070	x1
Flexible track, yard length	Peco	SL-100	x4
Curved right-hand point	Peco	SL-86	x1
Small radius left-hand point	Peco	SL-92	x1
Medium radius right-hand point	Peco	SL-95	x1
Standard straight	Peco	ST-200	x6
Double straight	Peco	ST201	x9
Short straight	Peco	ST202	x2
Second radius standard curve	Peco	ST-225	x5
Second radius double curve	Peco	ST-226	x20
Second radius half curve	Peco	ST-227	x1
Third radius standard curve	Peco	ST-230	x1
Third radius double curve	Peco	ST-231	x3
Curved double radius right-hand point	Peco	ST-244	x2
Curved double radius left-hand point	Peco	ST-245	x2

**NOTE:** All track components listed are with code 100 rail.

creates a reverse loop which feeds back on itself - and will require wiring accordingly (see Nigel Burkin's feature in HM103 on Digital Command Control reverse loops).  
The largest single outlay for this layout will

be the turntable. For illustration purposes we have included the Hornby version (Cat No. R070), although there are alternatives available including 'OO' gauge examples from ADM Turntables, Dapol, Heljan and Peco.

### KEY

- 1 Turntable
- 2 Locomotive shed
- 3 Coaling stage
- 4 Water tower
- 5 Platform
- 6 Waiting room
- 7 Turntable road
- 8 Risers
- 9 Raised section
- 10 Elevated section

### USEFUL LINKS

ADM Turntables	<a href="http://www.admturtables.co.uk">www.admturtables.co.uk</a>
Bachmann	<a href="http://www.bachmann.co.uk">www.bachmann.co.uk</a>
Dapol	<a href="http://www.dapol.co.uk">www.dapol.co.uk</a>
Hornby	<a href="http://www.hornby.com">www.hornby.com</a>
Peco	<a href="http://www.peco-uk.com">www.peco-uk.com</a>

## PLAN 2

**P**LAN 2 adds an inner circle to the basic double track continuous loop. This tight first radius circuit could be used for stock storage or as a means of extending the passage of a train, providing scope to run trains from the outer sidings to those situated in the

centre of the layout by means of all three loops. As this inner loop comprises mainly first radius curves, you will need to be selective with the locomotives and rolling stock which operate on this section.

Whilst formed mainly of sectional track components, some flexible track has also

been used to achieve the angles required for the inner loop and the curve leading up to it. Eleven points and a short crossing are required to complete the plan.

Originally intended to be hidden by a landscaped hill section with tunnel mouths at both entry/exit points, the first radius inner loop could also be useful for stabling short wheelbase freight trains between shunting duties.

Elsewhere, the two main loops can be operated independently of each other while an interesting operating schedule would enable goods wagons to be transported from each set of sidings to another and so increase the operating potential of this plan.

PLAN 2 - WHAT WE USED			
PRODUCT	MANUFACTURER	CAT NO.	QUANTITY
Flexible track, yard length	Peco	SL-100	x2
Small radius right-hand point	Peco	SL-91	x6
Small radius left-hand point	Peco	SL-92	x3
Small radius crossing	Peco	SL-93	x1
Standard straight	Peco	ST-200	x10
Double straight	Peco	ST-201	x3
Short straight	Peco	ST-202	x1
First radius standard curve	Peco	ST-220	x1
First radius double curve	Peco	ST-221	x8
First radius half curve	Peco	ST-222	x1
Second radius standard curve	Peco	ST-225	x2
Second radius double curve	Peco	ST-226	x10
Second radius half curve	Peco	ST-227	x1
Third radius standard curve	Peco	ST-230	x1
Third radius double curve	Peco	ST-231	x11
Curved double radius right-hand point	Peco	ST-244	x1

**NOTE: All track components listed are with code 100 rail.**

KEY	
1	Hidden loop/storage
2	Sidings
3	Platform
4	Waiting room
5	Subway steps
6	Tunnel portals

## PLAN 3

**P**LAN 3 utilises the 6ft x 4ft footprint of all the other layouts but differs in that it is a self-contained end-to-end operation featuring a locomotive depot as its main focus. At the top of the plan there are two hidden storage sidings to keep locomotives and any rolling stock 'off scene'. A retaining wall backscene and overbridge mask these two sidings from general view.

To maximise the available space, three double-slip crossings are utilised to ensure locomotives can easily shunt to and from the depot and turntable. Just seven turnouts are required.

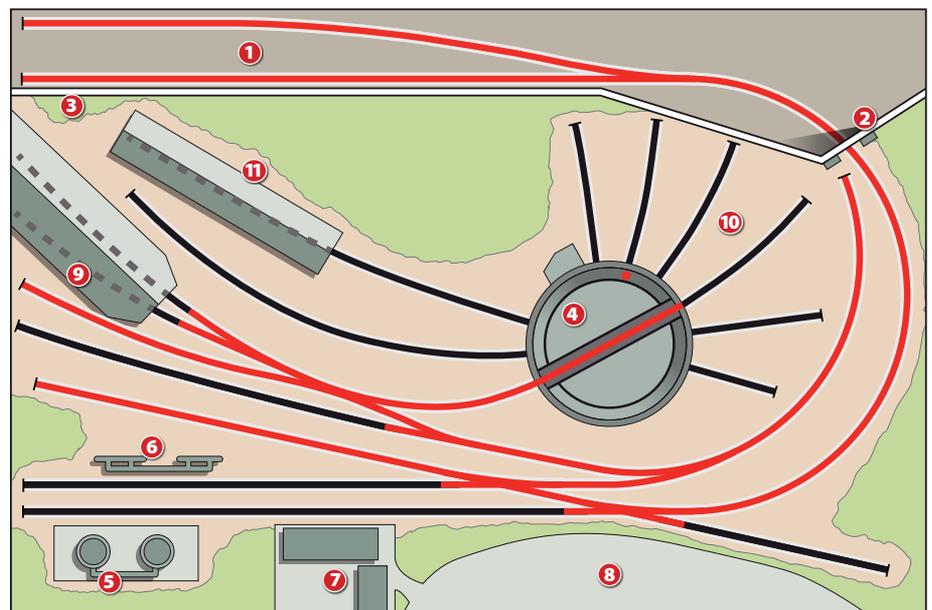
For this scheme we've assumed it to be a diesel locomotive depot with fuel storage tanks and inspection sheds but it could equally be customised for steam era modelling with coaling stages, ashpits and a water tower. Locomotive stabling sidings formed from flexible track radiate from the turntable while additional sidings are provided in the lower section of the plan which could accommodate fuel tank wagons and internal user box vans, offering plenty of scope to display your models.

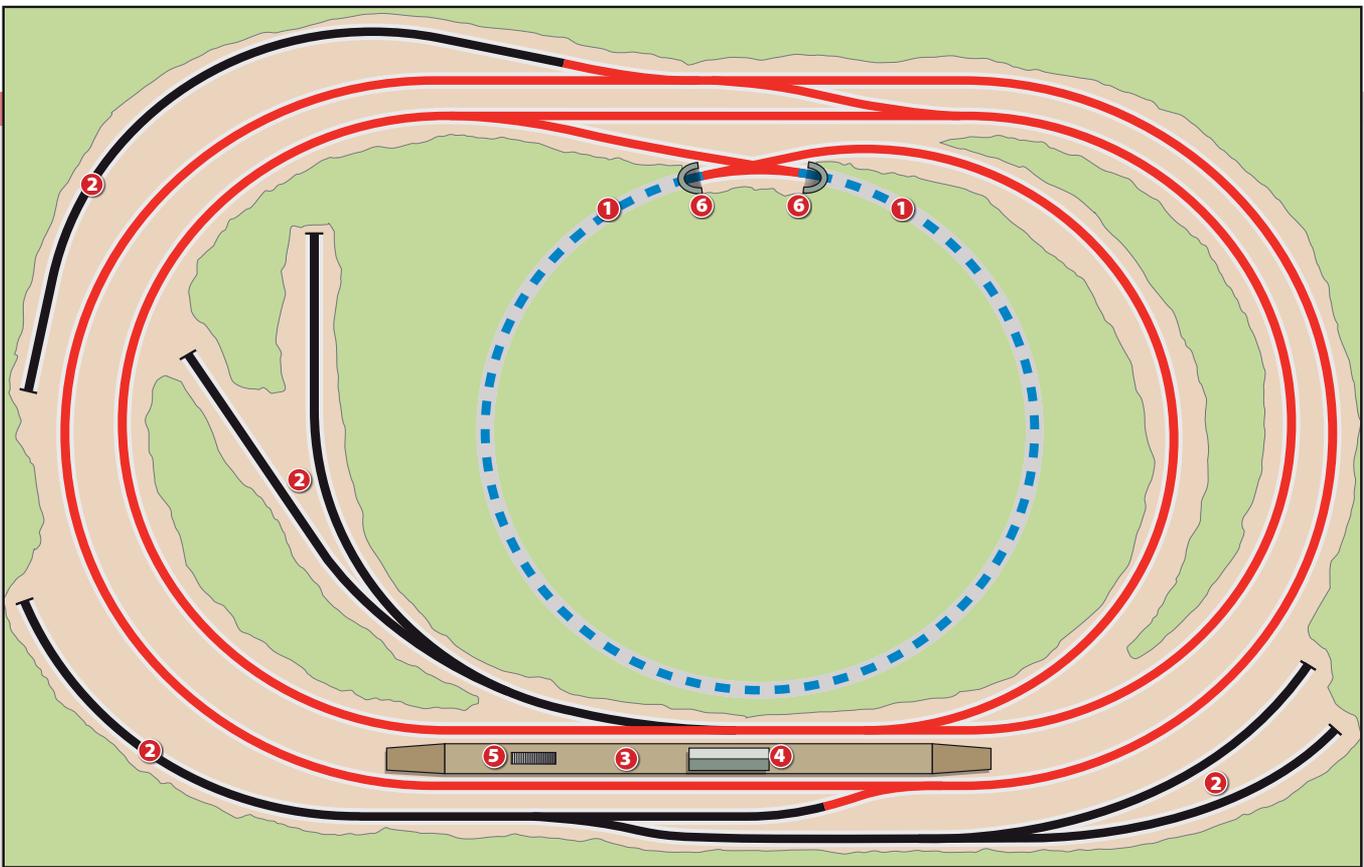
As with Plan 1 one of the largest outlays with this plan will be the turntable. We have included the Hornby version (R070).

KEY	
1	Hidden storage yard
2	Bridge
3	Retaining wall/backscene
4	Turntable
5	Fuel tanks
6	Fuelling point
7	Offices
8	Car park
9	Maintenance shed
10	Turntable roads
11	Inspection shed

PLAN 3 - WHAT WE USED			
PRODUCT	MANUFACTURER	CAT NO.	QUANTITY
Turntable	Hornby	R070	x1
Flexible track, yard length	Peco	SL-100	x9
Double-slip crossing	Peco	SL-90	x3
Small radius right-hand point	Peco	SL-91	x2
Medium radius right-hand point	Peco	SL-95	x1
Standard straight	Peco	ST-200	x3
Double straight	Peco	ST-201	x2
Short straight	Peco	ST-202	x4
Long straight	Peco	ST-204	x3
Second radius standard curve	Peco	ST-225	x1
Second radius double curve	Peco	ST-226	x6
Second radius half curve	Peco	ST-227	x1
Curved double radius right-hand point	Peco	ST-244	x1

**NOTE: All track components listed are with code 100 rail.**





## PLAN 4

**P**LAN 4 is a split-level layout with double track continuous circuits, storage, a main line station and a branch line station on the upper level.

The main line station features three platform faces, one of which can also host a branch line shuttle train. However, the branch line also has a main line connection enabling trains to cross between both sections.

The elevated section of this plan requires an additional station and goods yard area to be constructed above the lower level and would effectively require its own baseboard, linked to an inclined section to gain the necessary height from the lower level. An island-style station platform is envisaged for this station, with a run-round loop on one of the tracks for extra flexibility. A goods yard with three sidings is also included. The upper section could be extended across further to provide some additional buildings or sidings if required.

Twelve points are required for this plan, including a double-slip and three-way turnout for the branch station.

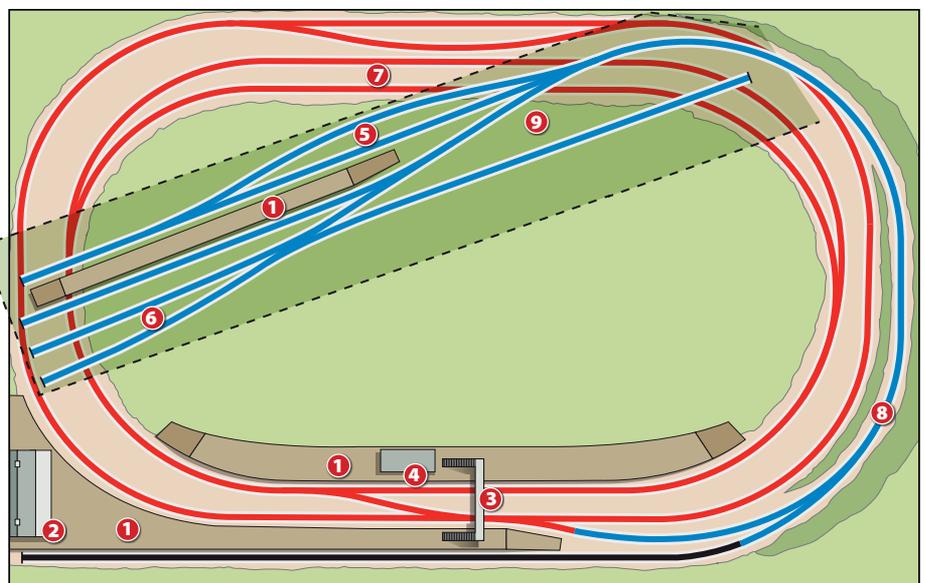
This is probably the most complex of the four schemes as the upper section will need to be carefully planned particularly to allow for point motor clearances to ensure they don't interfere with the operation of trains on the loops below.

KEY	
1	Platform
2	Station building
3	Footbridge
4	Waiting room
5	Run round loop (branch line)
6	Goods yard sidings
7	Storage loops
8	Risers to branch line station
9	Elevated section

### PLAN 4 - WHAT WE USED

PRODUCT	MANUFACTURER	CAT NO.	QUANTITY
Flexible track, yard length	Peco	SL-100	x10
Double-slip crossing	Peco	SL-90	x1
Small radius right-hand point	Peco	SL-91	x4
Small radius left-hand point	Peco	SL-92	x1
Medium radius right-hand point	Peco	SL-95	x1
Medium radius left-hand point	Peco	SL-96	x1
Three-way medium radius point	Peco	SL-99	x1
Standard straight	Peco	ST-200	x4
Special short straight	Peco	ST-203	x1
First radius standard curve	Peco	ST-220	x2
First radius double curve	Peco	ST-221	x4
First radius half curve	Peco	ST-222	x2
Second radius standard curve	Peco	ST-225	x2
Second radius double curve	Peco	ST-226	x15
Curved double radius right-hand point	Peco	ST-244	x2
Curved double radius left-hand point	Peco	ST-245	x1

**NOTE:** All track components listed are with code 100 rail.





# GT3

PART  
ONE

RECREATING THE **'JET TRAIN'** IN 4mm scale

Ready-to-run manufacturers have stayed clear of experimental gas turbine GT3 and there is no complete kit available.

**TIM SHACKLETON** combined components from a wide variety of sources to create his own set of parts for this extraordinary prototype.

GT3 ran around 15,000 miles of trials – many of them on the old Great Central Main Line into Marylebone – but it never worked a service train. This is a rare high-level view of the engine running into Aylesbury Town station in the late summer of 1961.

**I**F YOU'VE only taken up railway modelling in the last 20 years, the chances are you've never built a scale model locomotive – or even considered the possibility. There's no real need since so many high quality ready-to-run models have become available. The only exception is if the object of your desire isn't available off the shelf – or if you actually fancy the idea of building a locomotive of your own, purely for pleasure and fulfilment.

This model of gas turbine prototype GT3 fulfilled both criteria for me. I'm far more of a locomotive builder than a buyer but there is no complete kit for this particular locomotive. So instead I had to create my own using my debit card and powers of persuasion. The core ingredients are the Golden Arrow resin mouldings for the locomotive and tender bodies, which are basic but substantially accurate. To this I added the etched brass GT3 detail set produced privately by Ian Macdonald of Huddersfield – initially for his own use but subsequently made available to other modellers – and a bespoke nickel silver chassis commissioned from High Level Kits that I hope will be commercially available soon.

That was just the start. I'll itemise in turn the various add-on parts that I felt were necessary to build a model of GT3 to the kind of standards I aspire to. It's easy enough to find the correct buffers and things if you have a lifetime's modelling experience behind you, but it's not so simple when you're starting afresh and don't know what to look for or where to find it. Phrases like 'the buffers and vacuum pipes came from my spares box' are so vague and so intrinsically useless that they ought to be banned by law. But if you follow what I do – it just takes a bit of care and forethought – there's always the possibility that one day you might like to try your hand at something similar. 

## TOOLS MATERIALS

- » Tools and materials
- » Pin vice
- » Electric mini-drill
- » Micro drill bits from 0.75mm–2.5mm
- » Model filler
- » Face mask
- » Needle files
- » Craft knife
- » Hold & Fold
- » Soldering iron
- » Solder
- » Super glue
- » Rivet press
- » Epoxy adhesive

Tim on...

# GT3's construction

**Q** WERE you worried that a manufacturer like Heljan might bring out a ready-to-run model of GT3?

**A** THE pleasure for me is always in building my own models, especially when they feature unusual prototypes. I've never been particularly bothered when models that I've built from kits or scratch have subsequently been covered by the major manufacturers – it's happened many times over the years. In some cases I've chosen to build my own even though a proprietary model was already available.

**Q** HAVE you basically created your own kit here?

**A** THAT'S it in a nutshell. American modellers do this all the time – bodyshell from here, cab from there, mechanism from somewhere else entirely, details and decals from many different manufacturers, all spliced together into a model of something that otherwise isn't commercially available. They don't have a huge range of locomotive kits in the US, so they improvise.

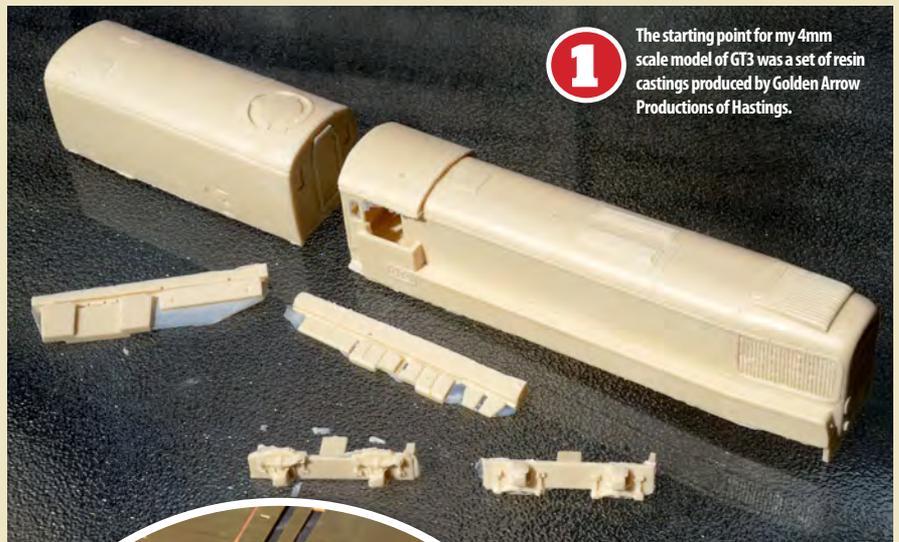
**Q** HOW did you know where to source all the components?

**A** THERE'S no complete kit of GT3, just a bodyshell from Golden Arrow Productions. One advantage of having been a model builder all my life is that I know where to find things that might be suitable. Alan Gibson does the wheels (they're the same as those on a BR '5MT' 4-6-0 and I was able to commission a chassis from High Level Kits. A bit of research on the internet led me to Ian Macdonald who did the detail etches. By this time GT3 fan John Isherwood of Cambridge Custom Transfers had come on board and he produced the graphics.

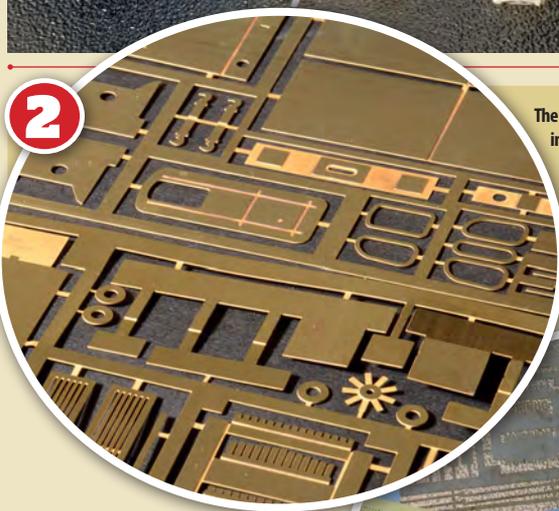
**Q** WHY not use a Hornby 'Black Five' chassis, or one for a BR Standard tender?

**A** BECAUSE they're not right for GT3. There's an ongoing myth that GT3 and its tender were built on the chassis of a BR '5MT'. The wheelbase is completely different – a GWR 'Manor' 4-6-0, on the other hand, has the correct axle spacings but the wheel diameter and profile aren't suitable. The tender has a different wheelbase to the BR 'Standard' type – the axleboxes and springs are the same but that's as far as it goes. For convenience, though, modellers have tended to use off-the-shelf chassis for GT3 despite their shortcomings – for instance, one of the most distinctive features of GT3 was its enormous coupling rods, which are totally unlike those on any other UK locomotive. I had to get these specially etched, along with the rest of the chassis. If you want an accurate model, you have to build your own frames. That's not as difficult as it sounds, as we'll see in the final part of this article.

## STEP BY STEP BUILDING GT3's BODYSHELL



**1** The starting point for my 4mm scale model of GT3 was a set of resin castings produced by Golden Arrow Productions of Hastings.



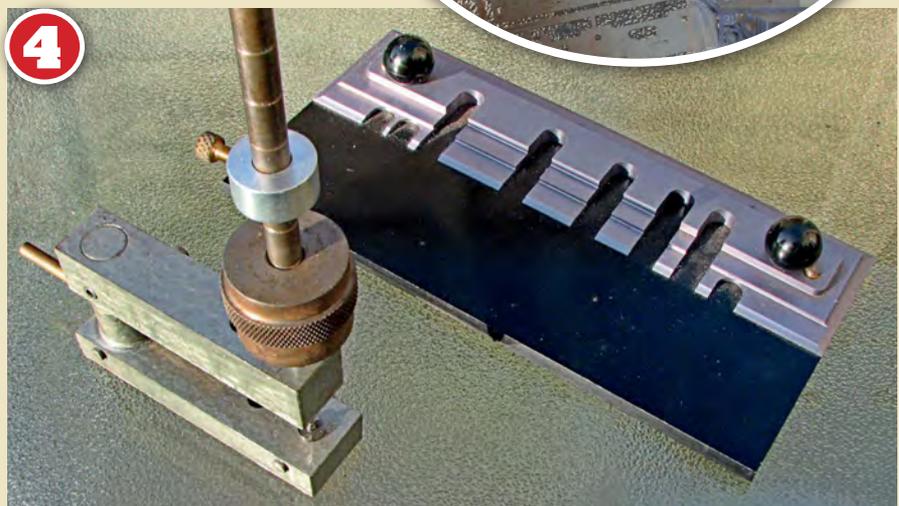
**2**

The Golden Arrow bodyshell is reasonably accurate in dimensional terms but it doesn't have the finesse associated with modern Computer Aided Design generated components. Ian Macdonald produces a comprehensive set of etched brass detail parts that will transform the basic mouldings and help turn them into a true scale model.



**3**

To build GT3 I was basically creating my own kit, adding an etched chassis kit that I commissioned from High Level Kits. The wheels – with the correct rim profile and number of spokes – came from Alan Gibson and the very complete set of graphics was a collaboration with John Isherwood of Cambridge Custom Transfers.



**4**

I've never been a great one for acquiring specialist modelling tools – a power drill and a soldering iron are the only true essentials – but these are two I wouldn't be without for any project that involves working with sheet materials. The rivet press on the left enables me to form crisp, consistent bold head detail, while the Hold & Fold is far more practicable (and accurate) than pliers for creating neat bends. These things repay their initial cost many times over.



GT3's first public appearance was at an exhibition of modern motive power held in the goods yard at Marylebone station. There are a number of official views of the event but this image dated May 13 1961 was clearly taken by a visitor.

**5**

Working resin with drills and files creates clouds of airborne particles that will irritate your nose, throat and eyes. Wear a proper respirator mask.



**6**

Apart from a little flash and the odd bump, the Golden Arrow castings are smooth. You can do the initial clean up using emery boards, finishing off with successively finer grades of sanding stick – I use the ones from the Adam Wilder range. Any cavities caused by air bubbles in the moulding process can be filled with Squadron green putty.



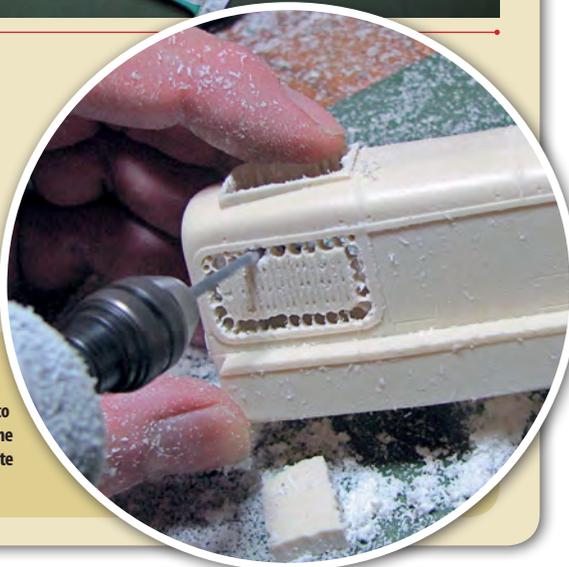
**7**



Much of the moulded detail needs to be removed so it can be replaced by altogether finer etched components from the Ian Macdonald kit. The first step is to chain-drill around the edges using a 1mm bit in a power drill running at its slowest speed setting.

**8**

You can then switch to a bigger drill bit – 2.5mm in this case – to join up the holes. You can see the need for a face mask – this white dust gets everywhere.



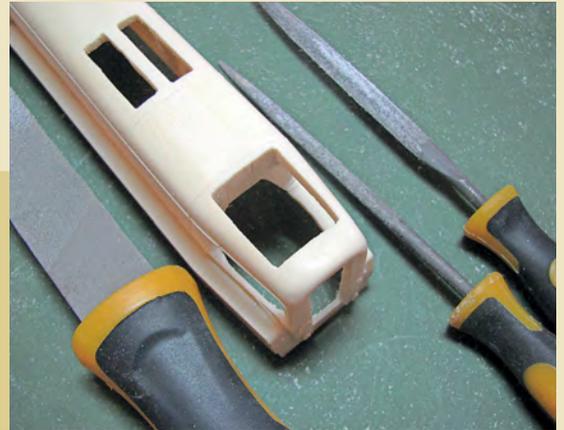
## STEP BY STEP BUILDING GT3's BODYSHELL

Intermediate  
Beginner **SKILL LEVEL** Advanced

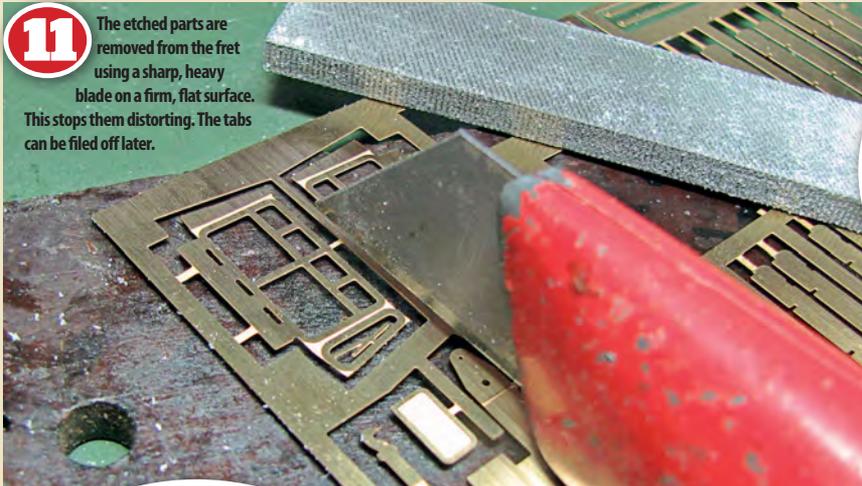


**9** The resulting holes can be cleaned up by hand using fine files. Resin is very easy stuff to work, so be careful not to take off too much material.

**10** The final stage is to clean up the edges and check that they are square. Once the etched detail components have been formed to shape I can test the fit and make any small adjustments that are necessary. In the meantime, give the resin parts a good scrub in household cleaner.



**11** The etched parts are removed from the fret using a sharp, heavy blade on a firm, flat surface. This stops them distorting. The tabs can be filed off later.



**12**

Parts can be folded using flat-nosed pliers but I prefer to use a Hold & Fold – a specialist bending tool that damps the component firmly in place. Slide a blunt, heavy duty blade under the part and lever it up to make the fold.



**13** Some parts require multiple bends - and you need to work out what order to fold them in or you'll quickly tie yourself up in knots! The different-sized jaws of the Hold & Fold provide great flexibility.



**14** The bends are reinforced with a fillet of solder. They are always on the inside of the component out of view, but I still try and do the job as neatly as possible. Soldering is a messy business and the parts will need to be scrubbed clean of flux before they can be fixed in place on the model.

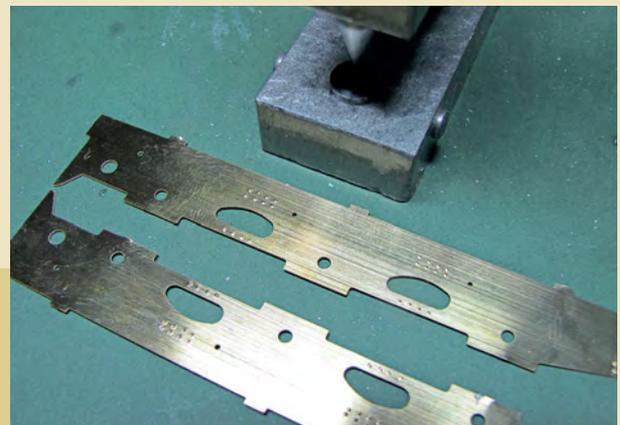


**15**

Carefully file the resin until the etched detail components are an exact fit – a touch of filler is inevitable but if you make a good job of it, there's much less work to do later. I glued the parts in place with Loctite PowerFlex, my preferred cyano adhesive. Supplied in gel form, it can be applied with great precision.



**16** The rivet detail on the tender sideframes is best created using a proper rivet press. The alternative is to use some kind of scribe but it's not as precise or consistent.

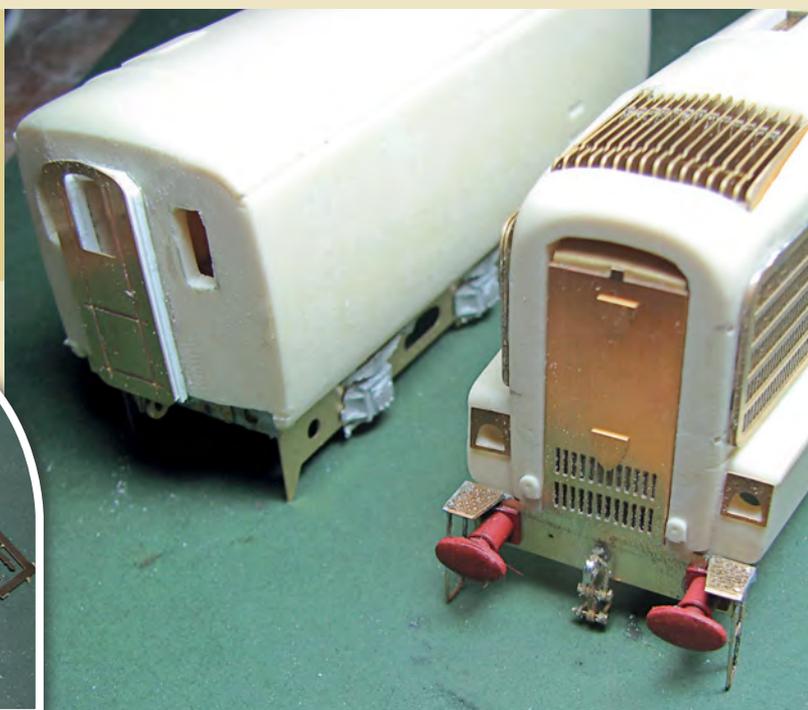
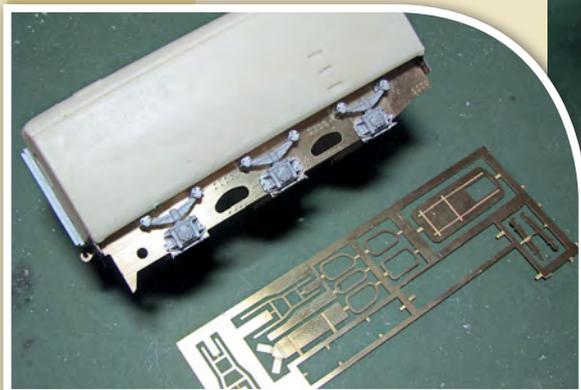




Next time we'll look at building the chassis and gearbox for GT3 before painting and weathering the completed model. In the meantime, this truly extraordinary image shows the almost complete locomotive being hauled around the Rugby area in the late spring of 1959. It is presumably in transit to or from the Testing Station, rather than undergoing running trials. Its tender and outer casing had not yet been delivered so the fuel supply came from the 12ton tank wagon coupled to the drawbar. The rearmost '8F' is in steam but how far GT3 was capable of propelling itself we don't know. With a temporary cab roof in place, the figures on the footplate look like BR engine crew rather than the white-coated engineers one might have expected.

**17** The tender axlebox castings come from the Alan Gibson range and are held in place with a five-minute epoxy adhesive. This gives you time to make small adjustments and make sure they're all perfectly in line.

**18** That resin dust gets everywhere and there are still a few blips and blemishes to sort out but Ian Macdonald's superb detail etchings are really starting to create the distinctive look of GT3, especially around the front end. Comet Models offers a suitable oval buffer in lost-wax brass, catalogue number LS28. For the tender I used Alan Gibson BR-pattern 16in buffers (G4903).



**19** GT3 had handrails just like a steam locomotive and I reproduced them using Alan Gibson's 0.45mm straight brass wire and medium-length handrail knobs. The knack is to thread all the knobs on to the wire first and then fit them individually into holes drilled into the bodyshell. If you make the holes slightly oversize – say 0.75mm – this allows you to adjust the handrails into perfect alignment.

## TIP

Sourcing the right materials to complete a model like GT3 is all about finding a quality source. Names like Alan Gibson Workshop and Comet Models have been in the business for year's and know how to make quality parts.

### USEFUL LINKS

Golden Arrow Productions	<a href="http://www.goldenarrow.me.uk">www.goldenarrow.me.uk</a>
Ian Macdonald Etches	<a href="mailto:ian@nmacdonald.co.uk">ian@nmacdonald.co.uk</a>
High Level Kits	<a href="http://www.highlevelkits.co.uk">www.highlevelkits.co.uk</a>
Alan Gibson Workshop	<a href="http://www.alangibsonworkshop.com">www.alangibsonworkshop.com</a>
Cambridge Custom Transfers	<a href="http://www.cctrans.org.uk">www.cctrans.org.uk</a>
Comet Models	<a href="http://www.cometmodels.co.uk">www.cometmodels.co.uk</a>

# Enquiry office

THE HORNBY MAGAZINE TEAM ANSWERS YOUR MODELLING QUERIES AND QUESTIONS

## HOW TO

### How to cut plastic sheet



**Q** I want to start using plastic sheet from the Wills range to develop surfaces in my goods yard. What is the best method for cutting this material, as it looks quite thick.

*James Wright, by e-mail.*

**Mike Wild replies:** Cutting any plastic sheet needs to be tackled correctly, otherwise you will find your knife veering off course or, worse still, catching a finger by accident. First of all mark the cutting line in pen on the reverse side of a textured sheet. Position a steel ruler along the line – preferably a safety ruler to keep fingers out of harm's way – then score lightly along the pen line. Repeat light scoring of this line against the ruler three or four times to establish the cut line then continue scoring repeatedly until you are three quarters of the way through the material. At this point you will be able to snap the plastic leaving a neat straight edge ready for cleaning up with fine sandpaper or a sanding board.

## THE KNOWLEDGE

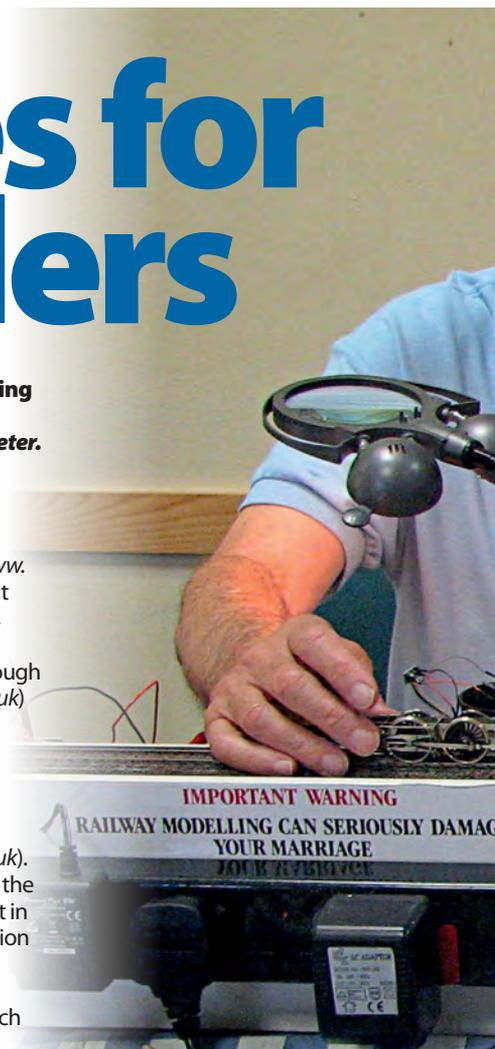
# Courses for modellers

**Q** Are there any courses teaching basic modelling skills such as soldering, kit building and airbrushing?

*Chas Parsons, Exeter.*

**Tim Shackleton replies:** Modelling courses are a great way of learning new skills and expanding your interest in the hobby with the help of some of the best known tutors in the hobby. Pendon Museum in Oxfordshire ([www.pendonmuseum.com](http://www.pendonmuseum.com)) offers one-day courses throughout the year. They're open to everyone, especially beginners, and a broad range of subjects is offered – from kit construction to control systems. Located near Gainsborough in Lincolnshire, Hobby Holidays ([www.hobbyholidays.co.uk](http://www.hobbyholidays.co.uk)) offer a range of one- and two-day workshops with the emphasis on the technical side of modelling. Overnight accommodation is available if required.

Amongst the best-known – and longest-established – modelling courses are those at Missenden Abbey in Buckinghamshire ([www.missendenrailwaymodellers.org.uk](http://www.missendenrailwaymodellers.org.uk)). There are two 'long weekends' each year – one in spring, the other in autumn – as well as a week-long summer retreat in August. These are residential courses, with accommodation provided at the Abbey. Subjects range from locomotive building, track construction, weathering and scenics to digital sound, DCC, electronics and new technologies such as CAD and laser-cutting.



## THE RIGHT STUFF

### Building security

**Q** I've purchased a number of resin buildings from the Bachmann Scenecraft and Hornby Skaledale ranges and wish to fix them to my baseboards. What glue should I use for this?

*David Parker, by e-mail.*

**Mike Wild replies:** We've always used the same type of glue to fix resin buildings to the *Hornby Magazine* layouts – Evostick contact adhesive. This provides a strong, resilient bond which has stood the test of time



both on our office and exhibition layouts. The exhibition layouts also stand up to the rigours of travelling in the back of vans proving the strength of our chosen contact adhesive.

## LEARNING CURVE

### Real run-rounds

**Q** Watching archive footage of locomotives running round their trains at branch termini, the operation looks much simpler than the complicated shunting moves often seen on model railways. What's the correct procedure? We'd like to get it right on our family 'OO' gauge layout, a typical small Great Western Railway branch terminus.

*Sue Ambler, Cheltenham.*

**Tim Shackleton replies:** Operating practices were primarily concerned with (a) safety and (b) minimising the effort involved for the crew. Where there was a run-round loop with a crossover at the buffer-stop end, the usual sequence was for the train to stop clear of the points so passengers could detrain. The locomotive would then

**ASK THE TEAM...** Send your questions to [hornbymagazine@keypublishing.com](mailto:hornbymagazine@keypublishing.com) or write to: Enquiry Office, Hornby Magazine, Key Publishing PO Box 100, Stamford, Lincolnshire PE9 1XQ.

**MIKE WILD**

Hornby Magazine's editor is always working on something whether it is a sound installation or a new project and knows his way around layout construction.

**MARK CHIVERS**

Hornby Magazine's assistant editor has an eye for detail together with a wide ranging knowledge of modern traction and train formations across the eras.

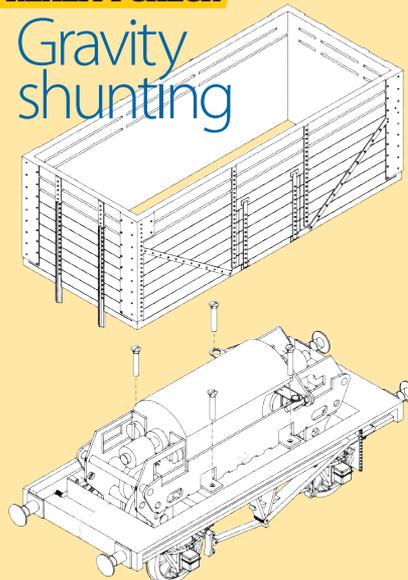
**TIM SHACKLETON**

Hornby Magazine's contributor has a lifetime of modelling experience building, detailing and weathering rolling stock of all kinds and much more.



**REALITY CHECK**

## Gravity shunting



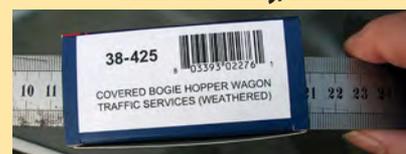
**Q** How can you shunt wagons by gravity, the way they used to be moved around in marshalling yards and goods depots? I remember watching this in my local yard but I've never seen it on a model.  
*W. Cousins, Chelmsford.*

**Tim Shackleton replies:** High Level Kits ([www.highlevelkits.co.uk](http://www.highlevelkits.co.uk)) offers the FlyShunter, a kit for a compact mechanism that will fit into any 4mm scale ('OO') van or high-sided open wagon, enabling it to be used like a locomotive. The FlyShunter can be controlled independently of the train engine, propelling a raft of wagons as if by gravity. This system is ideal for DCC operation. Shipley Model Railway Club's well-known exhibition layout, Leicester South (HM79), uses these kits to replicate the effect of rope shunting.

**KNOW HOW**

## Opening time

**Q** It may sound like a daft question, but how do I open the boxes that ready-to-run models come in without tearing the end flaps?  
*Andrew Stokely, Warmminster.*



**Tim Shackleton replies:** Slide a flat steel rule under the flap and push it through to the other side, then lever the flap up. It's as simple as that.



uncouple and move slowly down to the 'stops'. The points would be changed and then the locomotive reversed on to the loop and up to the facing crossover at the other end, where it would halt at the ground signal. The points would be changed and the locomotive would be signalled over the

crossing and on to the platform road. It would stop clear of the crossover and then, still under the control of the signalbox, back down on to its train and couple up. It was convenient for everyone if the train could depart from the same position where it had come to a halt.

# Loch Dhu **PART FIVE** AUTOMATIC

**S**HUNTING IS THE SOLE OPERATING mode for micro-layouts like Loch Dhu Distillery – there's little room for anything else. The wagons are left at the exchange siding and collected by the distillery 'Pug' to be transported over a short branch to the distillery yard.

Loch Dhu Distillery was never conceived as an exhibition layout, even though it is easily portable. With minimal main line operations, together with shunting operations in the distillery yard to place wagons at the appropriate buildings, an operating session does not need to be long and involved.

When complete it will become a relaxing way to spend an hour at the end of a busy day and a simple operating session could consist of the 'Pug' making one run to the exchange siding to drop off empty malt hoppers and return with empty vans and an occasional 16ton mineral wagon loaded with coal. It would shunt those

in the distillery yard before heading back to the shed to drop its fire before using residual steam in the boiler to move it into the shed. Job done!

Such operations can be made even better by using a delayed action auto-coupling system and that is exactly what has been installed using the Spratt and Winkle system.

## CHOOSING A SYSTEM

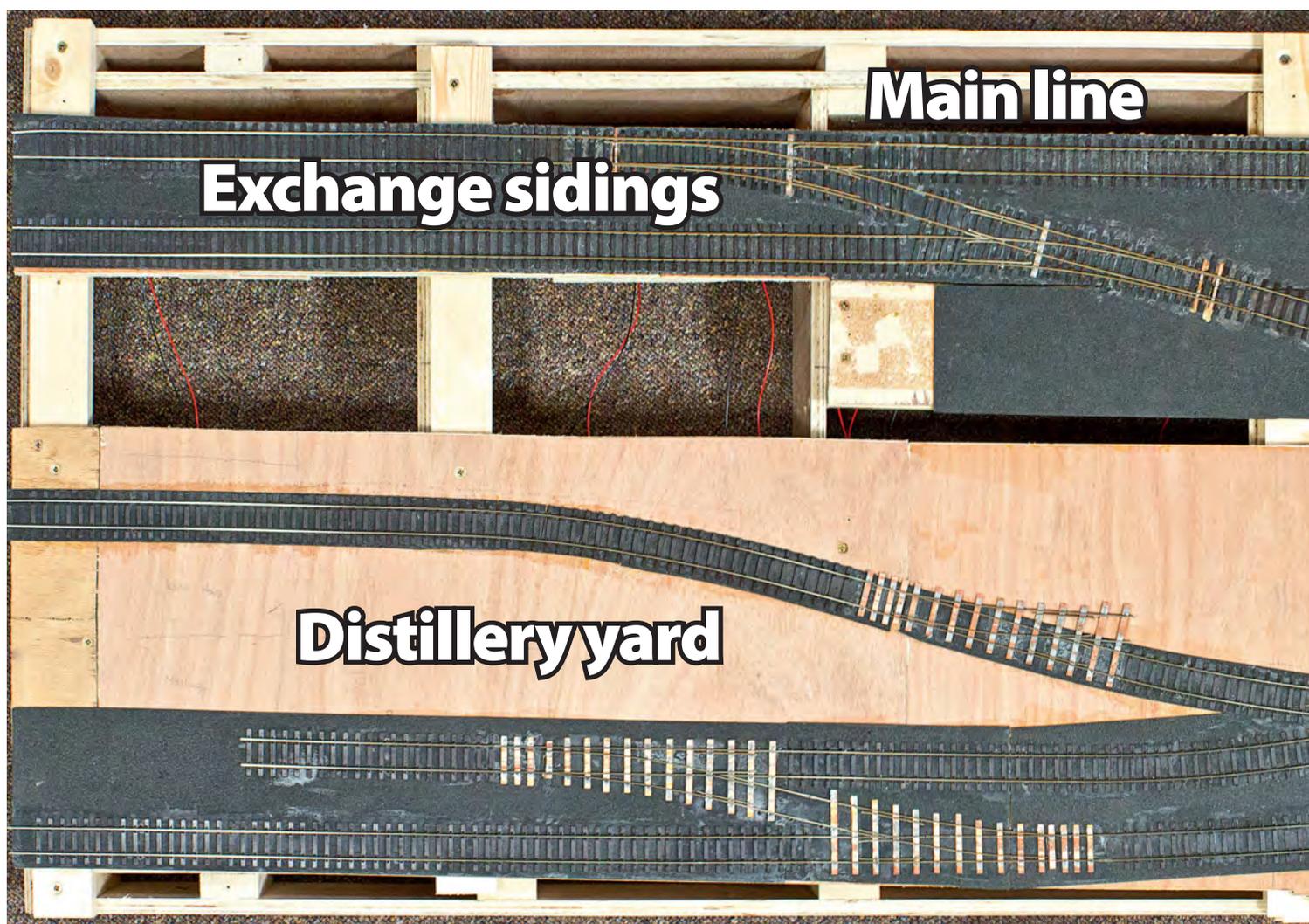
Shunting means choosing an auto-coupling system to suit both the stock, operations and the locomotives employed on the layout. The distillery has just the one 'Pug' and a handful of wagons. A small layout such as Loch Dhu cannot possibly hope to host a vast fleet of wagons, as tempting as all those 12t van kits truly are!

The choice of 1960s BR as a time for the layout era means that the layout concept is a geographical and time step away from my usual modelling haunts. The major benefit of this is that the stock is 'captive' on the layout which

means I can experiment with a coupling system different to that used on my other projects.

The choice of system needs to be simple to equip vehicles with, offer hands-off coupling and uncoupling, allow bufferbeam detail and snowploughs to be fitted to main line locomotives, operate with hidden uncoupling magnets and offer delayed action. It also had to be suitable for operation on the sharp curves in the distillery yard. This all lead to selecting the Spratt & Winkle couplings.

These brass couplings have been around for many years and Model Signal Engineering's (MSE) Spratt & Winkle couplings ([www.wizardmodels.co.uk](http://www.wizardmodels.co.uk)) are a firm favourite with fine scale modellers for compact and shunting layouts with few or no long bogie vehicles. They are frequently used on pre-group and early 'Big Four' era layouts where fixed wheelbase passenger coaches are more common. They fulfil all of the criteria for this project, depending on the version used,



Shunting is the primary focus of the Loch Dhu Distillery. **NIGEL BURKIN** selects an automatic coupling system for the developing project layout and shows how to install it.

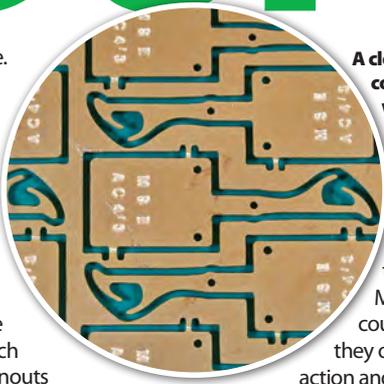
# COUPLINGS

and are relatively inexpensive. I like them because they are easy to install and are very forgiving – adjustments are easy to make after fitting.

There are various versions of Sprat & Winkle couplings available, some of which are designed for layouts with curves easier than four-foot radius and one type suitable for a layout which has small diverging angle turnouts with correspondingly harsh curvature.

It is important to read the descriptions on the manufacturer's website to ensure that you choose the correct type. Contact Wizard Models for advice if you have any doubts as to the suitability of any type of coupling for your application.

Starter packs are available for those who wish to give them a try before wholeheartedly committing



**A close-up view of the AC4/3 coupling arm/paddle etch which were chosen for use with the stock allocated to Loch Dhu. They enable operation on track curvature as sharp as 2ft radius and provide delayed action uncoupling.**

to the system. I selected the Mark 3 delayed operation couplings for Loch Dhu because they offer the all-important delayed action and would work on the sharp curves in the confines of the distillery yard.

The starter pack consists of 32 couplings, four magnets and all of the necessary soft iron, nickel-silver and brass wire to complete installation. Even though the pack was described as a starter pack, the 32 couplings would be more than enough for the dozen wagons currently used on the layout and with a couple

to spare for some kit building fun later on.

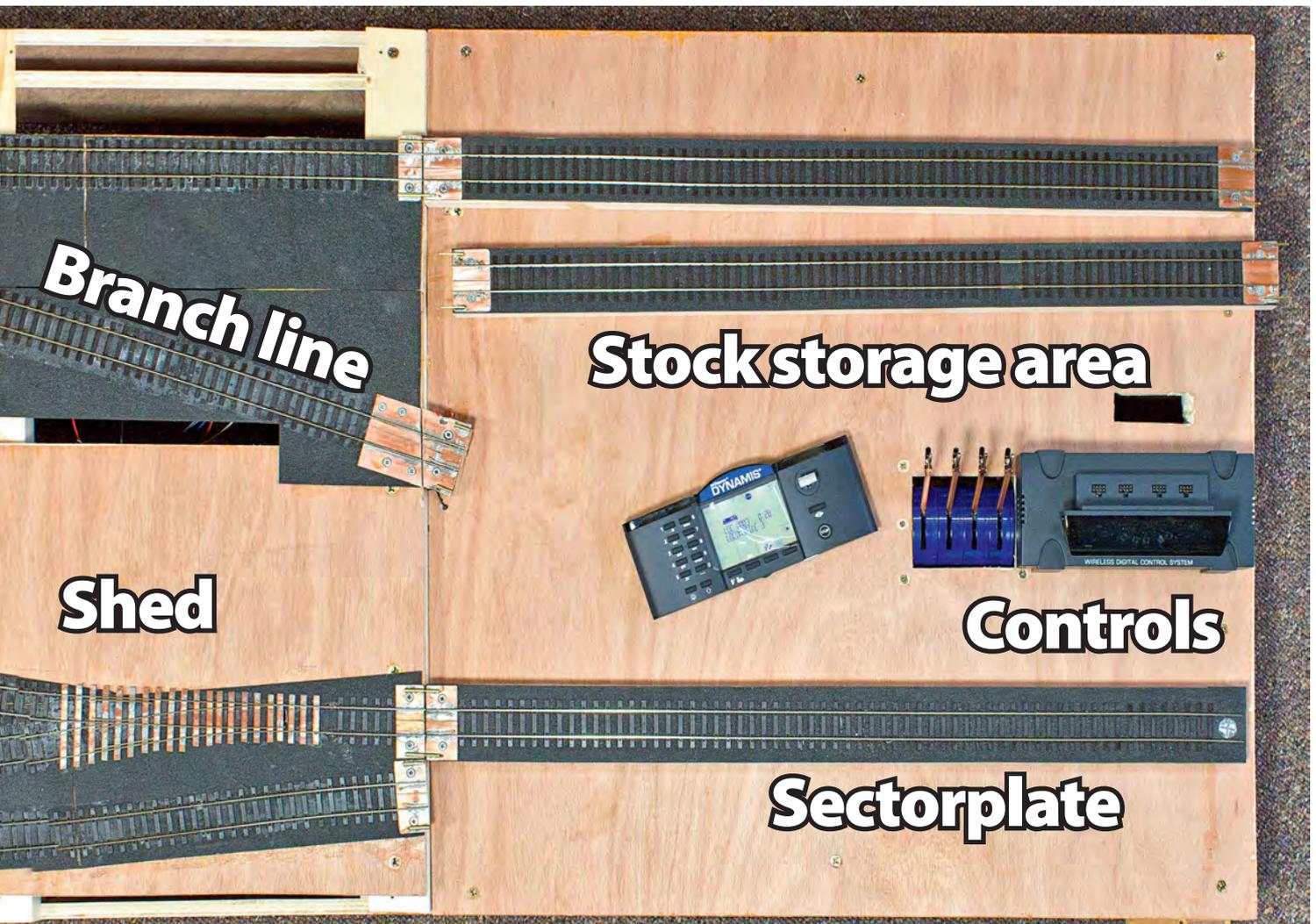
In addition to the starter pack, I invested a further £6 in a pack of 32 mounting plates (MP4) to see how they work and how they make installation easier.

The step-by-step guides with this feature explain how these couplings can be fitted in different styles.



## PAINTING

■ I did not paint the couplings fitted to Loch Dhu Distillery's wagons during the writing of this article so they could be clearly seen in photographs. The coupling assemblies will be primed and painted during weathering. They can be weathered with the same colours as the rest of the wagon underframe if desired. Note that the use of metal blackening should be done after soldering but before the iron dropper links are fitted to avoid rusting!



## TOOLS AND MATERIALS

- » Cyanoacrylate adhesive (CA glue)
- » CA glue accelerator
- » Grade 600 and 1200 wet and dry paper
- » 0.45mm diameter brass wire
- » 0.45mm diameter nickel-silver wire
- » Off-cuts of 20, 40 and 60thou styrene
- » 145 degree solder and flux
- » Jewellers screw driver set
- » Jewellers files
- » Soldering iron
- » A selection of HSS twist drills
- » Pin vice
- » Fine-nose pliers
- » Tweezers: straight and locking
- » Modelling knife and spare blades
- » Steel ruler
- » Fibre scratch pencil for burnishing brass
- » Scissors or Xuron etch shears
- » Piece of wood
- » Wooden clothes pegs

## SETTING UP THE LAYOUT

Delayed action uncoupling really adds to the fun of operating a compact shunting layout but is reliant on the right placing of uncoupling magnets. Delayed action coupling systems do not require as many uncoupling magnets as straightforward uncoupling systems.

Whilst each individual layout is different, a rule of thumb is to locate magnets at the throat of yards and in places where a single magnet location will serve two or more tracks. Experimentation will help determine the best magnet locations for your layout design.

The magnets provided in the starter kit are quite large and should be fitted with the long axis parallel with the rails. They can be fitted under the track if scale thickness sleepered track is used, such as the C&L Finescale track laid on Loch Dhu Distillery. Heavier 'OO' gauge track such

as Peco Streamline may result in the magnets being buried too deep to catch the three-link droppers. In that case, it may be necessary to cut a slot in the sleepers to accommodate them.

An alternative is to use small cylindrical rare earth magnets which are powerful enough to catch the dropper links but small enough to be fitted between the sleepers and ultimately hidden in the ballast. I chose to use cylindrical magnets 3mm diameter and 2mm thick fitted to shallow holes of 3mm diameter drilled in the surface of the baseboard. The magnets were used in pairs after some experiments showed that one would not have sufficient strength to catch the dropper links when inserted under the ballast. The first is pushed into the hole, with the second happily clamping itself to the first so it sits at the surface of the underlay foam. A spot of CA glue secures both to the layout.

## TIPS FOR GOOD ASSEMBLY

- Soldering is by far the best method of assembly when using MP4 mounting plates.
- The loop of brass wire is soldered to the mounting plate using the etch marks as a guide.
- To avoid soldering work use the direct fitting option. For that you will need a pin vice and a selection of micro-drills instead of MP4 mounting plates.
- Burnish all of the brass components on both sides whilst they are still attached to the etched sheet and use a lower temperature solder (145 degree or similar) together with a good quality flux for assembly.
- Hold the mounting plate with a wooden clothes peg to avoid burning your fingers. Remember to wash flux off the completed mounting plates before use.
- It is important to fit the wire coupling loops accurately whether you plan to use mounting plates or not. The narrowest part of the coupling shank must be the part that is stopped by the wire coupling loop or the coupling hook will not be correctly positioned.
- Sprat & Winkle couplings are simple to assemble using normal work bench tools and easy to adjust once fitted.

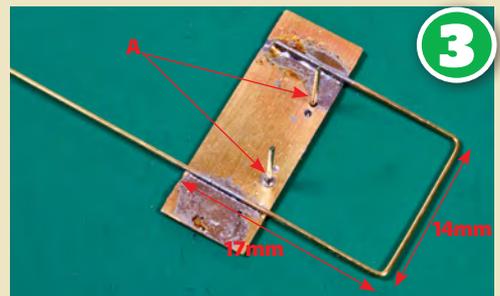
## STEP BY STEP SPRAT & WINKLE COUPLING ASSEMBLY USING MOUNTING PLATES



**1** Burnish the brass components with a fibre scratch pencil before snipping up the etch to remove traces of tarnish and grease. Burnishing helps to make soldering quicker, easier and ensures a good bond is achieved.



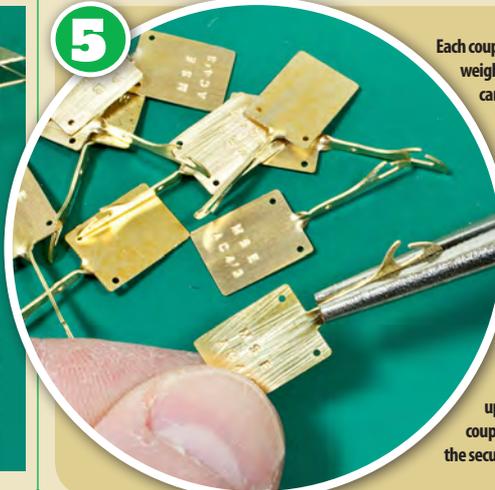
**2** Mounting plates with nickel-silver wire 'staples' measuring 8mm wide and with legs 6mm long fitted to the outer pair of holes and secured with solder.



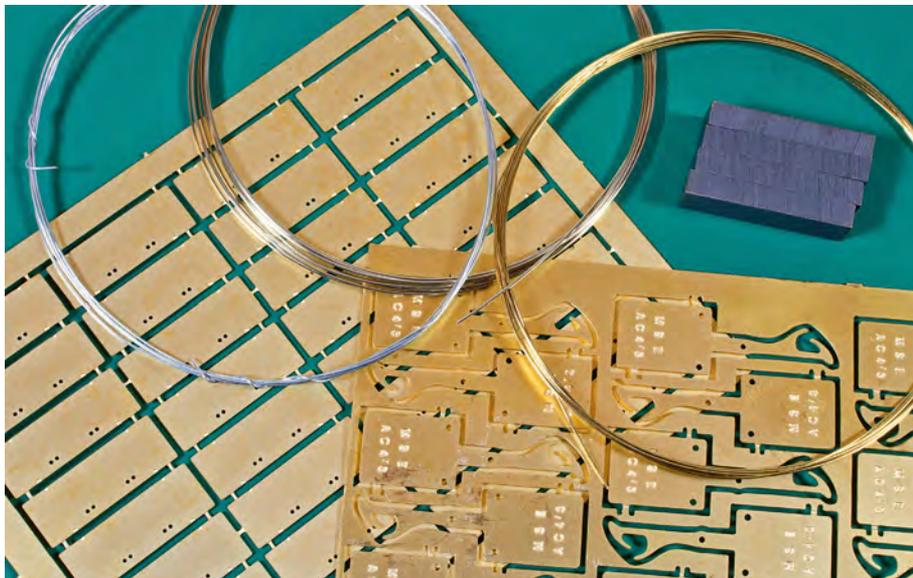
**3** Preparation of mounting plates continues with the fitting of a coupling loop consisting of 0.45mm diameter brass wire. The coupling itself will be slotted over the ends of the wire 'staple' previously soldered to the mounting plate (A).



**4** The mounting plates were all completed as one batch ready for shaping of the coupling hook.



**5** Each coupling hook and counter-weight 'paddle' etch is carefully cut from the fret, cleaned with a file and shaped by twisting the hook shank at right-angles to the counter-weight paddle. It is then bent slightly to the right so it clears adjacent couplings when in operation. It is also bent down, (hook opening uppermost) so the coupling can rotate about the securing staple.



A great way to experiment with MSE Sprat & Winkle couplings is to try a starter pack. They contain everything you need to equip enough wagons to see how they work and to try the delayed uncoupling action. The picture shows the contents of the S/AC4/3 starter pack including wire, magnets and the etched couplings themselves. The MP4 mounting plates shown to the left of the pictures are sold separately.

Two pairs of the small rare earth magnets were used in each uncoupling location, spaced apart by one or two sleepers. Two pairs are needed to catch both three-link droppers of adjacent wagons to enable uncoupling. If only one pair was used, only one coupling will be activated. A lineside marker will be needed to identify magnet positions once the track is painted and various surfaces applied to the distillery yard.

### OPERATION

Sprat & Winkle couplings are easy to use during shunting operations. They will engage like any other tension lock type coupling when wagons are pushed together. The design of the hook, which has its opening facing uppermost, prevents unintentional uncoupling then a cut of wagons is either propelled or hauled over magnet position. »

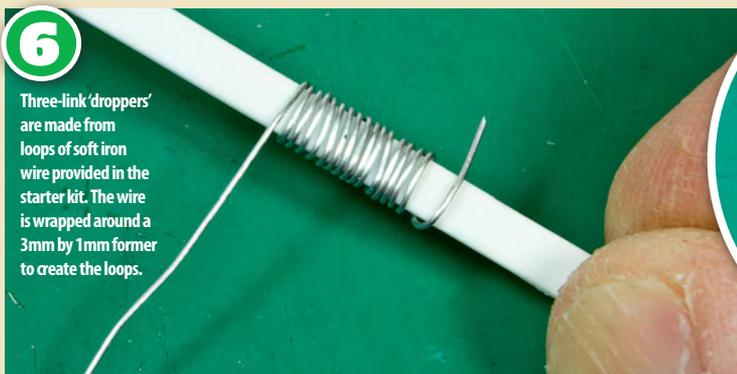
### FITTING TIPS

Maintaining a consistent height is key to the reliable operation of any coupling system and the Sprat & Winkle design is no exception. I chose to use one of two mounting positions described in the kit instructions on my models: the 'lower method' where the wire coupling hook is 12mm from the rail. Having settled on the lower mounting method, I had to keep three points in mind when fitting the coupling assembly to wagons:

1. The point at which the coupling hook makes contact with the wire loop should be the narrowest part behind the hook.
2. The height of the wire coupling hook should be positioned (by bending it) so it is horizontal and 12mm above the top of the rail.
3. The wire coupling loop should be fitted so it is in line with the buffer faces.

It helps to make a height gauge to sit on the track and allow wagons to be rolled up to it for checking. The gauge need not be a complicated affair as long as the top of it is 12mm from the top of the rail and it is level. To make things easier, cut a notch in the top to clear the coupling shank.

Cyanoacrylate adhesive (CA glue) is perfect for attaching the coupling assembly to the model, taking care not to inadvertently stick the paddle to the mounting plate. Finally, the action of the coupling can be modified further by adding weight to the counter weight paddle with a small blob of solder.



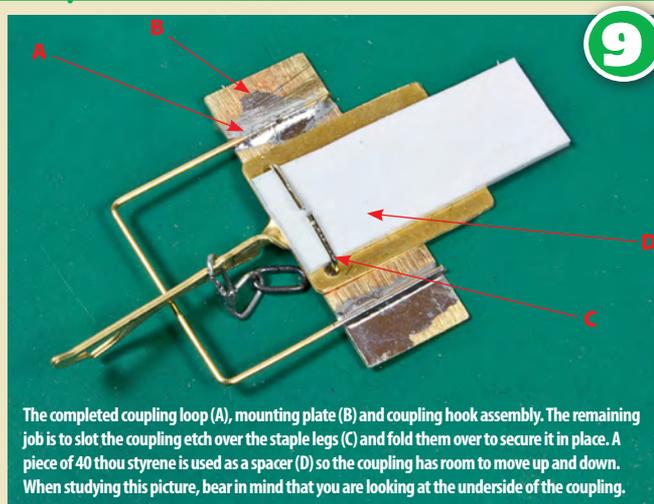
Three-link 'droppers' are made from loops of soft iron wire provided in the starter kit. The wire is wrapped around a 3mm by 1mm former to create the loops.



A sharp scalpel is used to carefully cut through the loops to release them from the former. These are strung together to make droppers that will be attracted by uncoupling magnets.



Each set of three-link droppers is fitted to the coupling arm by threading the first loop through the hole located at the base of the shank adjacent to the paddle.



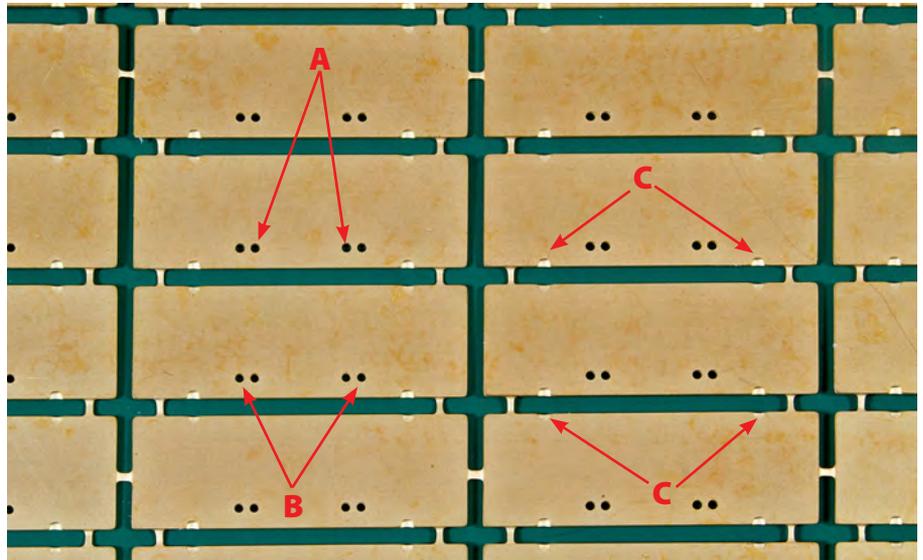
The completed coupling loop (A), mounting plate (B) and coupling hook assembly. The remaining job is to slot the coupling etch over the staple legs (C) and fold them over to secure it in place. A piece of 40 thou styrene is used as a spacer (D) so the coupling has room to move up and down. When studying this picture, bear in mind that you are looking at the underside of the coupling.

# AUTOMATIC COUPLINGS

To uncouple, the train is bunched to take up the slack and that action will allow the magnet to work against the counterweight paddle to pull the coupling arms down from the wire coupling loop. The uncoupled wagons can be pushed together and propelled to any desired location on the layout. The couplings will only re-engage when the train is pulled away from the uncoupled wagons and subsequently pushed together again.

## WHAT'S NEXT FOR LOCH DHU DISTILLERY?

Having fitted the coupling system, fine-tuned the track and electronics; work on the back drops, layout framing, fascias and topography can commence. Some experimentation with LED lighting strips shows that they will simplify the layout lighting boxes. It is also time to start work on the distillery buildings, including a kiln house, maltings and bonded warehouses. The compact nature of the layout means that some of the warehouse structures will be low relief structures making the most of the space available. Watch this space! [Hobby](#)



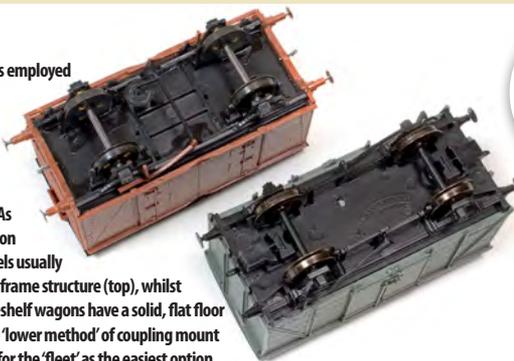
Mounting plates are optional and are not included in the starter packs. They are designed to make coupling installation simpler. Two sets of holes are provided for wire loops which are used to fit the couplings. The holes are spaced for 3mm scale (A) and 4mm scale (B) together with etched markers to show where the wire coupling loop should be attached with solder (C).

## STEP BY STEP INSTALLING SPRAT & WINKLE COUPLINGS ON GOODS WAGONS

Intermediate  
Beginner **SKILL LEVEL** Advanced

**1**

Of the wagons employed on the Loch Dhu layout, there are essentially two types of underframe. As a generalisation kit-built models usually have an open frame structure (top), whilst many off-the-shelf wagons have a solid, flat floor (bottom). The 'lower method' of coupling mount was adopted for the 'fleet' as the easiest option.

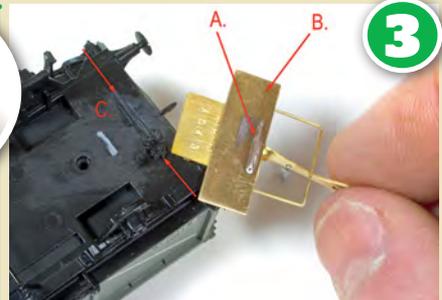


**2**

The first step in fitting the couplings is to prepare the underframe. A Bachmann 16ton mineral wagon with the flat floor underframe mounting is prepared with a file to create a flat mounting area.

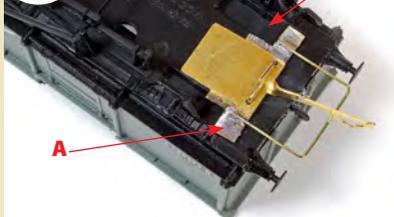


**3**



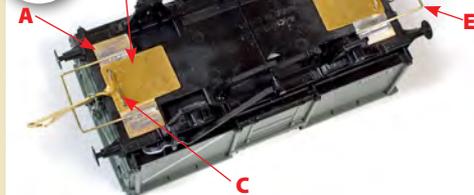
The soldered 'staple' (A) fitted to the mounting plate (B) will prevent it from sitting hard against the underside of wagon floors. A slot is cut into the floor to accommodate the top of the staple (C).

**4**



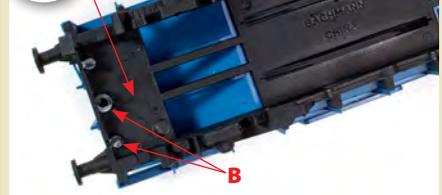
The mounting plate (A) can be trimmed in the event that it either interferes with the wheels or brake gear or both. The wheel recess in this Bachmann underframe is a good guide as to whether the mounting plate will foul the wheels (B).

**5**



A completed installation which will be typical for the majority of models of small pre-nationalisation and BR standard wagons. Points to note include the mounting plate (A); coupling and 'paddle' (B); securing staple fitted with at least 1mm of slack to allow the coupling to move (C); three-link dropper of soft steel wire (D) and the brass coupling loop fitted level with the buffers (E).

**6**



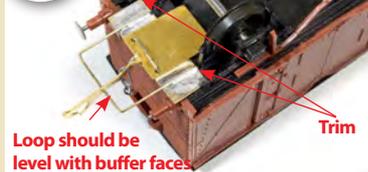
The couplings work on a variety of different wagons of differing wheelbase lengths. The Bachmann grain wagon has an open frame (A) which has to be fitted with a styrene mounting block as an attachment point for the coupling assembly. The original tension lock coupling mounts are snapped away (B).

**7**



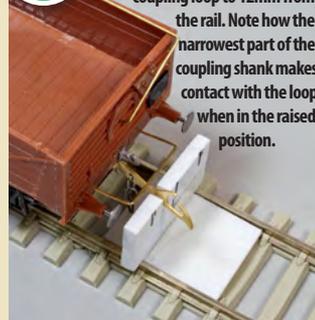
Despite having an open underframe, the grain hopper is very easy to equip with a Sprat & Winkle coupling. In all cases, no matter what the wagon length, ensure that the front of the wire coupling loop is level with the buffer faces.

**8**



Loop should be level with buffer faces. The typical 12ton van underframe of Parkside Dundas kits is easy to equip with a Sprat & Winkle coupling using the lower method. This wagon needs a mounting block of 40thou styrene pieces to which the mounting plate can be glued. Test fitting shows that some material has to be trimmed from the mounting block to clear the brakes.

**9**



Make up a simple height gauge from styrene strip to set the wire coupling loop to 12mm from the rail. Note how the narrowest part of the coupling shank makes contact with the loop when in the raised position.

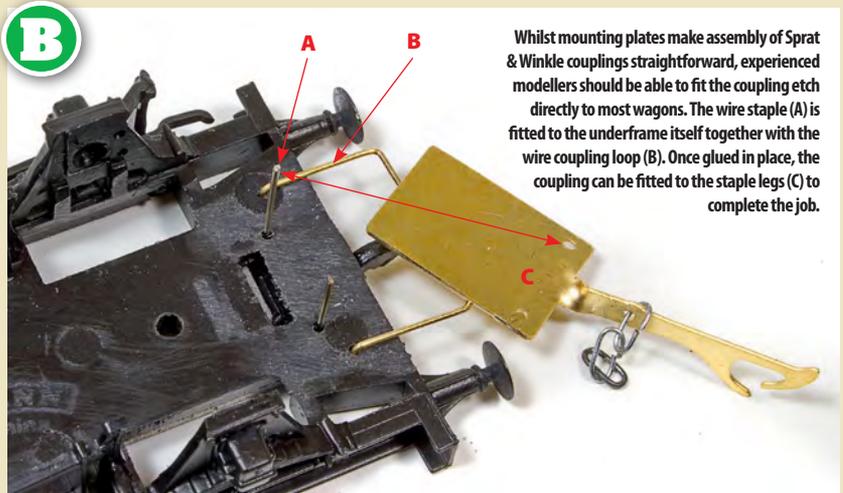
**10**



Sprat & Winkle couplings are simple to adjust and fit as long as they are correctly put together. It is essential that the coupling loop is level with the buffer faces when the assembly is fitted to the wagon.



**A** Direct fitting to wagons involves drilling holes to accommodate the wire coupling loop and the coupling itself. A coupling arm/paddle etch is used to correctly locate the holes for the staple wires.

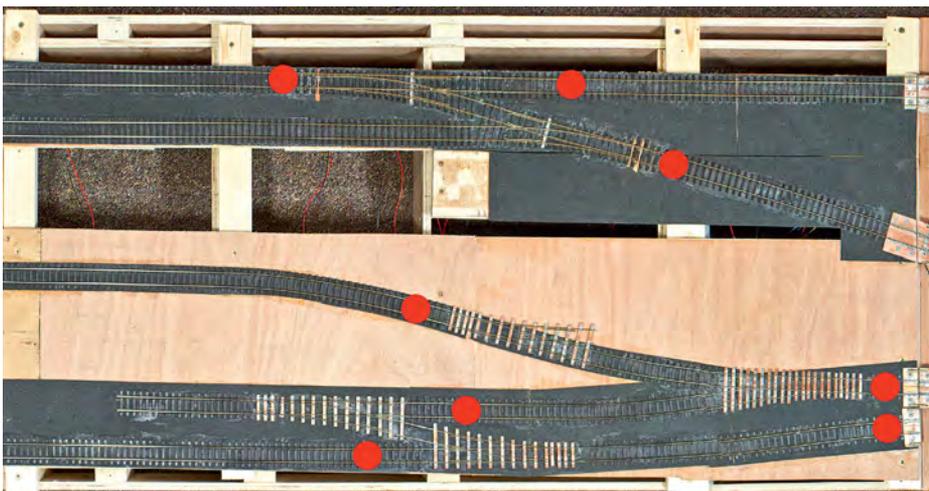


Whilst mounting plates make assembly of Sprat & Winkle couplings straightforward, experienced modellers should be able to fit the coupling etch directly to most wagons. The wire staple (A) is fitted to the underframe itself together with the wire coupling loop (B). Once glued in place, the coupling can be fitted to the staple legs (C) to complete the job.



**C** A piece of 40thou styrene ensures that a gap of at least 1mm between the coupling paddle and the staple is achieved during fitting to allow the coupling arm to move freely up and down. This packing piece is removed once the coupling is set up to allow the coupling to operate correctly.

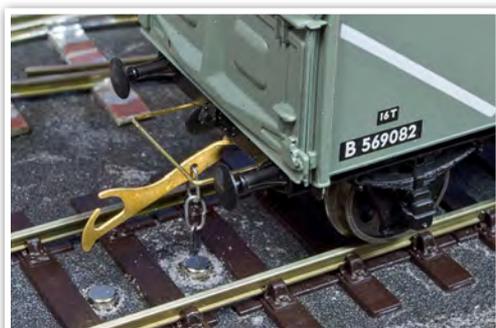
# Magnet installation



Magnet positions were determined after pushing wagons around on the layout and working out where uncoupling is most likely to be needed.



I chose to use small and cheap rare earth magnets for uncoupling, buried in the trackbed and secured with superglue. Two pairs were needed for each uncoupling position separated by one sleeper width. This meant that at uncoupling both three links would be directly above a magnet.



The magnet grabs the three link loops and pulls the coupling arm down against the counter weight action of the paddle.



This picture shows the uncoupling of two wagons with the three link droppers being attracted by one of the magnet pairs.

## NEXT TIME



Loch Dhu returns in HM108, on sale May 12 2016 when Nigel Burkin continues with construction of this compact shunting layout.



# MODEL RAILWAYS DIRECT

www.modelrailwaysdirect.co.uk

## Model Railways Direct Ltd

Retail Unit 2,  
Phoenix Way  
Portishead,  
Bristol, BS20 7GP

Tel 01275 774 224

sales@modelrailwaysdirect.co.uk

## Opening Hours

10am - 5pm  
Tuesday to Saturday  
Closed Bank Holidays



### ANY SCALE



Fine Ballast **£3.12** ~~£4.15~~

- WB70 Fine Ballast Iron Ore
- WB71 Fine Ballast Dark Brown
- WB72 Fine Ballast Brown
- WB73 Fine Ballast Buff
- WB74 Fine Ballast Light Grey
- WB75 Fine Ballast Grey
- WB76 Fine Ballast Cinders



Medium Ballast **£3.12** ~~£4.15~~

- WB77 Medium Ballast Iron Ore
- WB78 Medium Ballast Dark Brown
- WB79 Medium Ballast Brown
- WB80 Medium Ballast Buff
- WB81 Medium Ballast Light Grey
- WB82 Medium Ballast Grey
- WB83 Medium Ballast Cinders
- WB94 Medium Ballast Grey Blend **£5.97**



Coarse Ballast **£3.12** ~~£4.15~~

- WB84 Coarse Ballast Iron Ore
- WB85 Coarse Ballast Dark Brown
- WB86 Coarse Ballast Brown
- WB87 Coarse Ballast Buff
- WB88 Coarse Ballast Light Grey
- WB89 Coarse Ballast Grey
- WB90 Coarse Ballast Cinders



Earth Colours **£4.69** ~~£6.25~~

- WC1216 Liquid Pigment White
- WC1217 Liquid Pigment Concrete
- WC1218 Liquid Pigment Stone Grey
- WC1219 Liquid Pigment Slate Grey
- WC1220 Liquid Pigment Black
- WC1221 Liquid Pigment Raw Umber
- WC1222 Liquid Pigment Burnt Umber
- WC1223 Liquid Pigment Yellow Ocher



Earth Colours Undercoat **£5.97** ~~£7.95~~

- WC1228 Liquid Pigment Undercoat Green
- WC1229 Liquid Pigment Undercoat Earth



Coal **£3.12** ~~£4.15~~

- WB92 Coal Mine Run
- WB93 Coal Lump



Fine Turf **£2.55** ~~£3.40~~

- WT41 Fine Turf Soil
- WT42 Fine Turf Earth
- WT43 Fine Turf Yellow Grass
- WT44 Fine Turf Burnt Grass
- WT45 Fine Turf Green Grass
- WT46 Fine Turf Weeds



Coarse Turf **£2.55** ~~£3.40~~

- WT60 Coarse Turf Earth
- WT61 Coarse Turf Yellow Grass
- WT62 Coarse Turf Burnt Grass
- WT63 Coarse Turf Light Green
- WT64 Coarse Turf Medium Green
- WT65 Coarse Turf Dark Green



Blended Turf **£4.88** ~~£6.50~~

- WT49 Blended Turf Green Blend
- WT50 Blended Turf Earth Blend



Underbrush **£3.72** ~~£4.95~~

- WFC134 Underbrush Olive Green
- WFC135 Underbrush Light Green
- WFC136 Underbrush Medium Green
- WFC137 Underbrush Dark Green
- WFC138 Underbrush Forest Green
- WFC139 Underbrush Forest Blend



Bushes **£3.72** ~~£4.95~~

- WFC144 Bushes Olive Green
- WFC145 Bushes Light Green
- WFC146 Bushes Medium Green
- WFC147 Bushes Dark Green
- WFC148 Bushes Forest Green
- WFC149 Bushes Forest Blend



Clump Foliage **£4.88** ~~£6.50~~

- WFC682 Clump Foliage Light Green
- WFC683 Clump Foliage Medium Green
- WFC684 Clump Foliage Dark Green



Foliage **£3.72** ~~£4.95~~

- WF51 Foliage Light Green
- WF52 Foliage Medium Green
- WF53 Foliage Dark Green
- WF54 Foliage Conifer Green
- WF55 Foliage Early Fall Mix
- WF56 Foliage Late Fall Mix



Foliage Clusters **£6.72** ~~£8.95~~

- WFC57 Foliage Clusters Light Green
- WFC58 Foliage Clusters Medium Green
- WFC59 Foliage Clusters Dark Green



Fine Leaf Foliage **£11.44** ~~£15.25~~

- WF1130 Fine Leaf Foliage Dark Green
- WF1131 Fine Leaf Foliage Medium Green
- WF1132 Fine Leaf Foliage Light Green
- WF1133 Fine Leaf Foliage Olive Green
- WF1134 Fine Leaf Foliage Dead Foliage
- WF1135 Fine Leaf Foliage Fall Mix



Tree Armatures **£10.13** ~~£13.50~~

- WTR1120 Deciduous Trees 3/4" to 2"
- WTR1121 Deciduous Trees 2" to 3"
- WTR1122 Deciduous Trees 3" to 5"
- WTR1123 Deciduous Trees 5" to 7"
- WTR1124 Pine Trees 2.5" to 4"
- WTR1125 Pine Trees 4" to 6"



Realistic Tree Kits **£9.57** ~~£12.75~~

- WTR1111 Deciduous 3/4" to 3" Med Green
- WTR1112 Deciduous 3" to 7" Med Green
- WTR1113 Pine 2 1/2" to 6" Forest Green



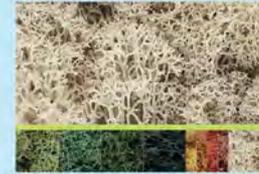
Earth Colour Kit **£12.19** ~~£16.25~~

- WC1215 Earth Colour Kit



Water **£8.97** ~~£11.95~~

- WC1206 E-Z Water **£8.97** ~~£11.95~~
- WC1211 Realistic Water **£14.97** ~~£19.95~~
- WC1212 Water Effects **£10.69** ~~£14.25~~



Lichen **£7.13** ~~£9.50~~

- WLI161 Lichen Spring Green
- WLI162 Lichen Light Green
- WLI163 Lichen Medium Green
- WLI164 Lichen Dark Green
- WLI165 Lichen Autumn Mix
- WLI166 Lichen Natural



Field Grass **£3.12** ~~£4.15~~

- WFG171 Field Grass Natural Straw
- WFG172 Field Grass Harvest Gold
- WFG173 Field Grass Light Green
- WFG174 Field Grass Medium Green



Flowering Foliage **£2.44** ~~£3.25~~

- WF176 Flowering Foliage Yellow
- WF177 Flowering Foliage Purple



Adhesives & Accessories

- WS190 Scenic Glue **£5.44** ~~£7.25~~
- WS191 Scenic Cement **£5.44** ~~£7.25~~
- WS192 Scenic Sprayer **£3.12** ~~£4.15~~
- WS194 Canister Shaker **£3.12** ~~£4.15~~
- WS195 Hob-e-Tac Adhesive **£3.94** ~~£5.25~~



WC1203 Plaster Cloth **£7.13** ~~£9.50~~

**25% OFF**  
**WOODLAND SCENICS**  
Ends 30<sup>th</sup> April 2016 Discounted prices shown in red

**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 2016 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. All savings shown against MSRP. Full terms and conditions shown on our website.



**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.

\*Free UK Delivery excludes some areas including NI, Highlands & Islands



**LIVE STOCK INFO**



# MODEL RAILWAYS DIRECT

www.modelrailwaysdirect.co.uk

## Model Railways Direct Ltd

Retail Unit 2,  
Phoenix Way  
Portishead,  
Bristol, BS20 7GP

Tel 01275 774 224

sales@modelrailwaysdirect.co.uk

## Opening Hours

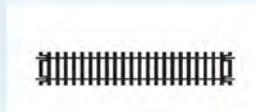
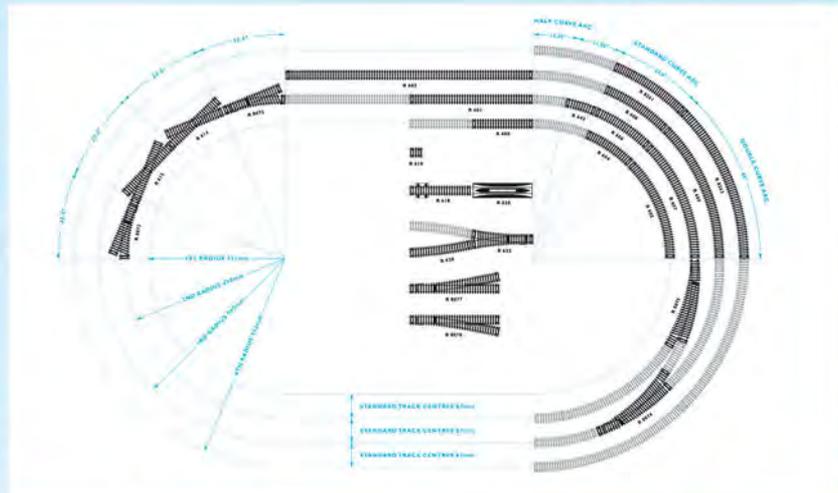
10am - 5pm  
Tuesday to Saturday  
Closed Bank Holidays



## OO GAUGE



# Track & Accessories



### Straight Track

R600	Standard Straight	£1.40	£1.20
R601	Double Straight	£2.20	£1.87
R603	Long Straight	£3.25	£2.77
R610	Short Straight	£1.15	98
R618	Isolating Track	£8.10	£6.89
R620	Re-railer & Uncoupler	£5.15	£4.38



### Power

R602	Power Connecting Clip	£1.99	£1.70
R8242	Digital Connecting Kit	£2.99	£2.55
R8201	Track Link Wire Pack	£5.99	£5.10
R8206	Power Track	£5.99	£5.10
R8241	Digital Power Track	£5.99	£5.10



### Curved Track

R604	1st Radius Curve	£1.95	£1.66
R605	1st Radius Double Curve	£2.45	£2.09
R606	2nd Radius Curve	£1.65	£1.41
R607	2nd Radius Double Curve	£2.30	£1.96
R643	2nd Radius Half Curve	£1.45	£1.24
R608	3rd Radius Curve	£1.99	£1.70
R609	3rd Radius Double Curve	£2.65	£2.26
R8261	4th Radius Curve	£2.30	£1.87
R8262	4th Radius Double Curve	£3.10	£2.64
R628	Curve for use with Y Point	£2.15	£1.83



### Track Accessories

R207	Track Pins	£3.00	£2.55
R617	Uncoupling Ramp	£3.10	£2.64
R8087	Track Rubber	£2.45	£2.09
R8244	Uncoupler Unit	£3.15	£2.68
R910	Fishplates (12)	£2.49	£2.12
R920	Insulated Fishplates (12)	£1.55	£1.32



### Points & Crossings

R8072	Left Hand Point	£9.60	£8.16
R8073	Right Hand Point	£9.60	£8.16
R8074	Left Hand Curved Point	£14.85	£12.63
R8075	Right Hand Curved Point	£14.85	£12.63
R8076	Y Point	£10.65	£9.06
R8077	Left Hand Express Point	£14.85	£12.63
R8078	Right Hand Express Point	£14.85	£12.63
R614	Left Hand Diamond Crossing	£10.99	£9.35
R615	Right Hand Diamond Crossing	£10.99	£9.35



### Inclines

R658	Incline Piers	£14.99	£12.75
R659	High Level Piers	£8.99	£7.65
R660	Trackside Wall Set	£26.99	£22.95
R909	Elevated Track Support Set	£10.20	£8.67



### Bridges & Viaducts

R180	3 Arch Viaduct	£21.99	£17.60
R189	Brick Bridge	£9.99	£8.00
R499	River Bridge	£18.99	£15.20
R657	Girder Bridge	£16.99	£13.60
R8008	Grand Suspension Bridge	£52.99	£42.40



### Flexible Track

R621	Flexible Track	£3.20	£2.72
R8090	Semi-Flexible Track	£3.85	£3.28



### Level Crossings

R636	Double Level Crossing	£23.75	£20.19
R645	Single Level Crossing	£14.65	£12.46
R8259	Automatic Level Crossing	£16.99	£14.45



### Underlay

R626	Point Underlay Sheets (4)	£4.99	£4.25
R638	Underlay Roll (5m)	£12.45	£10.59



Hornby R8223  
Track Extension Pack C  
£20.40 ~~£23.99~~  
You Save 15%



### Accessories

R083	Buffer Stop	£1.99	£1.70
R394	Hydraulic Buffer Stop	£6.25	£5.32
R537	Trackside Fence	£8.50	£7.23
R574	Trackside Accessories	£15.45	£14.93



Hornby R8217  
Hornby TrakMat  
Does not include track, train or accessories  
£12.75 ~~£14.99~~  
You Save 15%



Hornby R8224  
Track Extension Pack D  
£31.45 ~~£36.99~~  
You Save 15%



### Signals

R169	Home Junction Signal	£12.99	£10.40
R170	Distant Junction Signal	£12.99	£10.40
R171	Home Single Signal	£9.99	£8.00
R172	Distant Single Signal	£9.99	£8.00
R406	Colour Light Signal	£24.99	£20.00



Hornby R8221  
Track Extension Pack A  
£12.75 ~~£14.99~~  
You Save 15%



Hornby R8225  
Track Extension Pack E  
£17.00 ~~£19.99~~  
You Save 15%



### Turntable

R070	Electrically Operated Turntable	£74.99	£63.75
------	---------------------------------	--------	--------



Hornby R8222  
Track Extension Pack B  
£21.25 ~~£24.99~~  
You Save 15%



Hornby R8226  
Track Extension Pack F  
£21.25 ~~£24.99~~  
You Save 15%

EXPORTS  
VAT  
FREE

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

Prices valid for 28 days from magazine publication date 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.



UK POSTAGE £3.99  
(Flexible Track £7.95)  
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.



LIVE  
STOCK  
INFO



# Mk 1s working on

Class 31 D5586 passes Hornsey with a rake of BR Mk 1 57ft non-corridor carriages as it heads towards London King's Cross in April 1967.

John Chalcraft/Railphotoprints.co.uk



## Heljan's 2-8-0 chassis should be better



You've been far too lenient in your review of the Heljan 'O2' (HM105). Regarding the derailing, this should never be possible on normal track.

Scratchbuilders know the need to ensure that the bulk of the weight is carried on the leading and trailing coupled axles and has his own way of dealing with it. The chassis should then be capable of running on its own without leaving the track. If a 'sample' can't do this, it should be returned and the design problem rectified before the model is sold.

What makes all this worse is that the Heljan Beyer-Garratt had a similar design fault.

**Chris Barclay, Wavendon,  
Buckinghamshire.**

# 'widened lines'



I FOUND the article by Evan Green-Hughes in HM103 about the history of the BR Mk 1 carriages very interesting.

I also have a copy of the excellent book *British Railways Mk 1 Coaches* by Keith Parkin. It is interesting in that the non-corridor suburban coaches were built on both short 57ft and also long 63ft underframes.

One thing I found particularly interesting is that the Eastern Region had the 57ft coaches which it needed for the Moorgate via City 'widened lines' services. Apparently these coaches were to Metropolitan Line loading gauge as the roof ventilators were spaced further apart from the roof centreline, this apparently allowing them to get round the tight curves going down the York Road tunnel and also the Hotel Curve tunnel, both steeply graded.

In diesel days before Moorgate station was rebuilt the platforms would only accommodate a Class 31 at the buffer stops and a five-coach train. This gave just enough space for another Class 31 to take the train back to King's Cross. For the same reason, when these services went over to Diesel Multiple Unit (DMU) operation only the short 57ft Craven DMUs were allowed to go on that route. I think that services that used the main line/suburban platforms at King's Cross could use the longer framed coaches but possibly they kept to the 57ft coaches so that a long

one didn't get marshalled into a widened lines service by mistake.

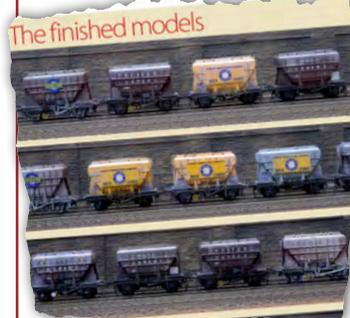
I think the same situation applied to the services on the Midland Main Line from St Pancras in that I think that the route was better for clearances to Moorgate via the City widened lines, but again when DMUs were put in place of locomotive-hauled stock they again were restricted to 57ft underframe units.

Suburban services out of St Pancras main line would not have this problem of tunnels. The other City service operated by the Eastern Region was to Broad Street via the Cannonbury Curve and Dalston Junction. I don't think there were any special restrictions on what stock could use that route.

Funnily enough, the electric stock that went down to Moorgate on the 'Bedpan' service was of a normal length and this didn't seem to have any problems with tunnels down to Moorgate or even the curve round to the Southern Region at Farringdon. The only thing the driver had to remember at Farringdon was that if they were going round the corner they had to make sure that the pantograph was lowered as this was the changeover point from 25kV overhead wires to the trackside 750V DC third-rail supply. The 25kV wires have since been extended to St Paul's Thameslink station as far as I know and this is where the changeover happens today.

**J E Kirby, London.**

## A WELSH SPELLING LESSON



I refer to your article 'Two-Bob' Presflo in HM104. On p44 you refer to 'construction traffic to Trawsfynnyd' which should be spelled – Trawsfynydd. On p45 you refer to the 'APCM distribution depot at Penyfford' which should be spelled Penyffordd.

In Welsh the double-d is pronounced as the soft 'th' in English. The actual distribution centre was at Padeswood (Tunnel Cement) near Penyffordd.

So, a little Welsh spelling lesson for you! Keep up with the good work in your articles.

**Gareth Gruffydd, Morfa Nefyn, Pwllheli.**

## 'LONG BLACK FROGS' OR SOMETHING ELSE?

Whilst I found the article on expanding power classifications very interesting (HM105), I have to confess to being a bit confused as to what LBF means. Load Bearing Force? Long Black Frogs?

**Malcolm White, by e-mail**

*Malcom, 'lbf' is an abbreviation for pound-force. This is the traditional measure of tractive effort for steam locomotives. (MW)*

# 'NEW AGE' KIT CONUNDRUM

Tim Shackleton's articles on producing fleets of wagons that look every inch like their weatherbeaten prototypes is truly amazing. His feature articles on grain wagons (HM99) and Presflo cement wagons (HM104) reflect the real world of 50 years ago superbly with its infinite variety of colour and form that ready-to-run manufacturers strive to match.

We have seen much progress by ready-to-run models over the last few years. Bachmann's series of china clay wagons, aided by custom versions from Kernow, have gone a long way to help modellers create realistic trains



for the Cornish china clay belt.

There is one significant area where ready-to-run has slipped backwards compared to the Airfix kits of 50 years ago and that is in the area of details to be added to a model.

Many ready-to-run wagons and most passenger coaches now come with a plastic bag of 'bits' or, more properly, details. However, I

have yet to see one of these 'super rolling stock kits' arrive with any instructions or exploded diagram. Such are reserved to apparently only accompany locomotives.

Now where does that little piece of plastic that comes with my Bachmann Presflow fit? I guess I'll have to go and buy a secondhand unmade Airfix kit to find out! And how and where am

I supposed to fit all those strips of black plastic that came with my beautiful Hornby Maunsell coaches? Which one goes where? Does length matter? No sole bar holes and no fixing lugs to guide me with these 'new age' kits!

The quality is there, we just need to know where to fit the extra pieces.

**Mark Collier, by e-mail.**

# Durston

*It could only be the GWR for **BRIAN WOOLRICH**, who used finescale 'OO' to great effect in this home and exhibition layout set in the West Country.*

**PHOTOGRAPHY, TREVOR JONES.**



Collett '2251'  
0-6-0 2271 heads  
a Bristol bound through  
freight past the signalbox  
and the goods shed.



**L**OOKING BACK I suppose it all started when I was introduced to steam locomotives at preserved lines as a child. That got me into railway modelling and over the years several 'OO' gauge layouts were put together in my bedroom. At this time, like many youngsters, I acquired an eclectic mix of items just because I liked the look of them. All this had to be broken up as I left home after university and started work.

I initially ended up in Oxfordshire. One of the childhood interests was the Great Western Railway (GWR) and being here contributed to me focusing on the GWR for future modelling. Volunteer work for the Great Western Society at Didcot exposed me to the real thing for reference and inspiration. I joined the local model club in Abingdon where I found others with similar leanings. The usual

interruptions of marriage and children then occurred which meant I had to settle for involvement in building and exhibiting club layouts. What other time I had was spent building stock for a future project.

Another job and house move to Kent presented me with modelling space and eventually more time to indulge in the hobby. My thoughts turned to what I wanted from a layout of my own. I had learnt a lot from Abingdon and now Canterbury club layouts and tried to incorporate the best ideas.

### PLANNING THE LAYOUT

The available space was the converted loft serving as a guest bedroom. Using the diagonal across this room allowed me an end-to-end layout 16ft x 2ft. As it was also intended for exhibitions the layout was split into four 4ft sections and could be taken down and stored in a corner when the space was needed for guests.

### STATISTICS

<b>Owner:</b>	Brian Woolrich
<b>Scale:</b>	'OO'
<b>Length:</b>	16ft
<b>Width:</b>	2ft
<b>Track:</b>	SMP code 75 with Marcway points
<b>Control:</b>	Analogue
<b>Period:</b>	GWR, 1936

There are and have been many excellent GWR branch line terminus layouts, but I decided I wanted to do something else. I settled on a through station on a mostly single-track secondary route but capable of handling Route Availability red locomotives. I chose the mid-1930s as I consider this period to be the zenith of rail travel in Britain.

I narrowed the time period down to 1936, primarily because the 'Star' 4-6-0 I had was >>



only correct for this year. It also allows me to run a mix of both Great Western and 'shirtbutton' liveries for variety. Although this sounds restrictive, if a particular item could have existed at this time I am happy to run it. After some deliberation a fictional cross-country line emerged linking Bristol, Cirencester, Stow and Stratford with Birmingham. The name Durston was an amalgam of Dursley and Wooton with no connection to the station of the same name in Devon that I subsequently found!

I required certain operational features. First and most important was a station acting as a passing point on the single line, providing the opportunity for trains to pass through the scene and appearing to be actually going somewhere. However, allowing for a storage yard at either end only 8ft of scenic section remained. I had to compromise and so the layout represents the eastern approach to the station and, in a frequently used ruse, only the ends of the platforms are modelled.

The goods yard features alongside the running line exiting the station. Also included for added interest were a bay platform for a branch service, which is supposed to diverge from the main line further to the east, and a locomotive shed for stabling the yard shunter. Cassette type storage yards were envisaged to maximise



**02** Churchward 'Star' 4-6-0 4064 Reading Abbey passes Durston East signalbox and the 'Pannier' shunting a loaded 'Macaw B' in the yard with an express for Birmingham. This particular 'Star' was regularly seen in the Bristol area at the time. It would however be withdrawn in the following year to be rebuilt as a 'Castle', although retaining the same name.

train lengths and reduce stock handling.

From the beginning the intention was to permit the addition of an extra board incorporating the main station. Although it would not be possible to put up at home in this form, I surmised the scene would be more complete and better balanced between on and off stage areas.

## CONSTRUCTION

In 2010 a sketch of the final design was sent to a friend who turned this into a full size plan using planning software Templot. Individual boards were then designed so that points were away from supporting members and other obstructions. Baseboards were constructed from birch ply



**04** Collett '5205' 2-8-0T 5224 clanks past passengers waiting on the platform for the next connecting service. 'Small Prairie' 5557 exits the engine shed to top up with coal and water prior to its next duty. Both these engines were recorded around Bristol in the mid 1930s.



incorporating an integral backboard and box beams along the front and back edges for strength. These beams also provide sockets for the 'H' frame softwood legs to fit into.

The layout is stabilised with a fold-up 'X' brace (an idea borrowed from the Abingdon club) that forms a solid base for the first baseboard to be erected. Solid tops of 6mm plywood form the trackbed with 12mm plywood ends. All wood was acquired from and cut to size by a local timber merchant to ensure accuracy. The boards are aligned using metal dowels and connected with spring clips for speed and convenience. One thing I had learnt was you could never find the right nut and bolt at the end of a show! The clips are mounted on the inside edge of the box beams so they are out of sight and when pairs of boards are put together for transit they don't get snagged. A curtain attached using press studs - in GWR green of course - completes the presentation.

Once the boards were complete attention turned to tracklaying. Plain track is SMP code 75 bullhead, which is authentic for the period. Matching live frog pointwork was bought from Marcway. All track was laid on 2mm cork so the ballast shoulders and drains are modelled. The ruling radius for running lines is 4ft and the minimum is 3ft.

No fishplates have been used: instead



One of the yard staff waves to the driver of Collett '2251' 0-6-0 2271 as it takes a short parcels train destined for Stow out onto the main line.

every individual piece of rail has a wire dropper soldered to tag strip to ensure electrical continuity. Circuits are colour coded by their function and recorded to aid fault finding. Point operation is by Tortoise slow action motors, using one of the built-in switches for frog polarity and the other for a mimic system. The

first trains ran in early 2013 and only a few minor faults had to be fixed. As it happened Wills had recently released its point rodding system, so I decided to try this to improve the realism of the trackbed. Signal wire posts and pulleys were also added at this stage. Then the track was ballasted in the usual way with fine granite on the running lines and fine cinders in the goods yard. Finally, general weathering and oil patches where engines tend to stop were added. After a thorough clean further test running followed until all was working satisfactorily.

## SCENERY

The basic ground forms were created using Celotex insulation foam obtained from DIY stores. This was sealed with a layer of paper tissue and diluted PVA and left to harden. A photographic backdrop from ID Backscenes was selected that depicted the edge of a town, becoming more rural towards the right-hand side.

Ground cover was created from Woodland Scenics scatters and foliage, plus static grass products from Noch and Realistic Modelling Services. The yard was paved in embossed plastic granite setts. Trees are Woodland Scenics trunks covered with the same firm's foliage material. Fencing, buffer stops, ground signals, various figures, telegraph poles and a gradient board complete the lineside details.

Several of the structures were built from kits where appropriate, including the signalbox and cattle dock (altered with a brick base) from Ratio and the yard crane, weighbridge and the overbridge disguising the single line exit from Wills. The water crane is an old Mike's Models kit and the coaling platform was scratchbuilt from balsa and card. Other more specific structures were scratchbuilt from foamboard, plasticard and embossed brick sheet, including the retaining walls behind the bay platform. The goods shed is based on the one from the old Henley-in-Arden station and the engine shed is a shortened version of Branches Fork Junction in Wales. The footbridge forming the other storage yard exit and the platform canopy were scratchbuilt from planked plasticard and >>





The tarpaulin is being untied in preparation for unloading of the North Eastern open wagon beside the yard crane. GWR 'S7XX' 0-6-0PT 8731 busies itself collecting wagons for the next outbound freight whilst in the background a passenger train pulls away from its station stop.



The driver of '57XX' 8731 talks with the yard shunter about the next moves, once the 'Prairie' blocking the way has returned to the shed. Behind them a passenger train slows for its stop at the platform.



microstrip. Other details such as the token exchange apparatus, animals, vehicles, platform lamps and benches are from Mainly Trains, Langley and Coopercraft.

The two starting signals are constructed from MSE parts mounted on brass bases that allow removal if required. At the time of writing they do not work but it is intended to make them operate using servos including simulated 'bounce'.

## ELECTRICS

The layout runs off good old analogue cab control. It's what I have come to understand, so I didn't see the point in changing. A homemade ventilated wooden box houses two double transformers safely down on the floor. Each output is individually fused and has an indicator to help trace any problems. Two Gaugemaster handheld feedback controllers are used to run the trains.

The Tortoise point motors run from two half wave rectified DC supplies created from one of the 16V AC outputs using diodes. In this way the wiring is simplified and the voltage to the motors is halved so that blade speed is reduced. A similar arrangement feeds bi-colour LEDs indicating which controller is powering each section, mounted as a mimic system on the panel. As mentioned earlier these LEDs also show the selected route via the switches on the point motors.

## ROLLING STOCK

The 'Collett Goods', '5205' 2-8-0T and '57XX' 0-6-0PT are detailed/modified ready-to-run models. The 'Small Prairie' is the original Lima body lowered to the correct height and on a scratchbuilt chassis with Romford wheels. The 'Star' and '48XX' 0-4-2T are detailed Finecast and K's kits respectively, running on Comet chassis and Romford wheels. The '48XX' was the first locomotive kit I built and is still a favourite. All engines are

weathered and have etched name and numberplates, crew, lamps, real coal, fireirons and fallplates for tender engines.

Accurate coaching stock for this period is not common off the shelf. The 'B Set' and Autotrailer are detailed/modified ready-to-run and the Toplights are etched brass kits. A clerestory brake was created from a Hornby coach body with 247 Developments replacement etched sides and Comet bogies. A Collett 'bow-end' brake started life as a Hornby model augmented with Comet underframe, ends and bogies. Brown vehicles are represented by a Dapol 'Siphon G' converted to an electrically lit example and a 'Monster' van constructed from an etched brass kit.

The vast majority of the goods stock are kits from Coopercraft, Ratio and Parkside, with the occasional white metal kit or detailed ready-to-run model.

All stock is fitted with delayed action Sprat & Winkle couplings enabling hands free shunting. Again all stock is weathered to some degree.

## OPERATION

Train services consist of through passenger trains between Bristol and Birmingham as well as some express and other stopping services. Connections along the branch are provided by the autotrailer. Tail traffic such as a horsebox is sometimes attached and detached. There are through freight trains to and from Bristol docks as well as local ones arriving and departing the yard and from the branch. Some parcels traffic also traverses the line.

The cassette style storage yards allow trains to use the full length of the board. These are aluminium angle glued to 9mm MDF bases. Metal wiper contacts >>>



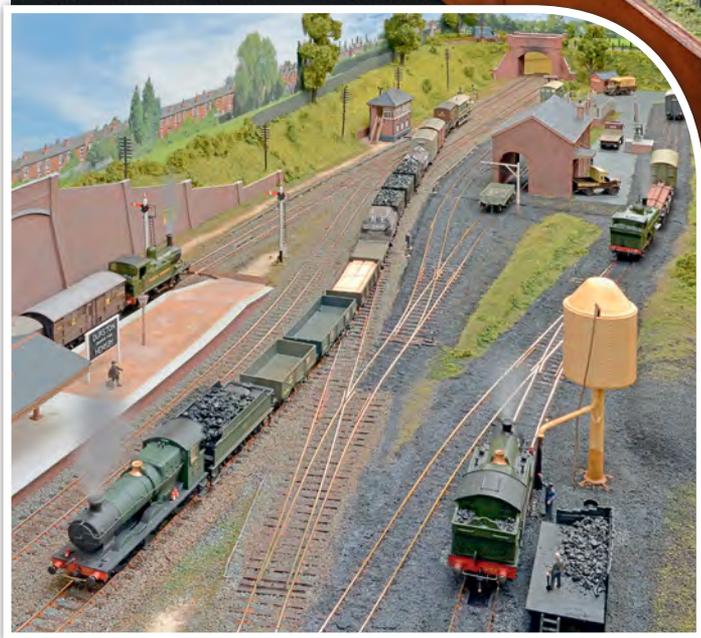
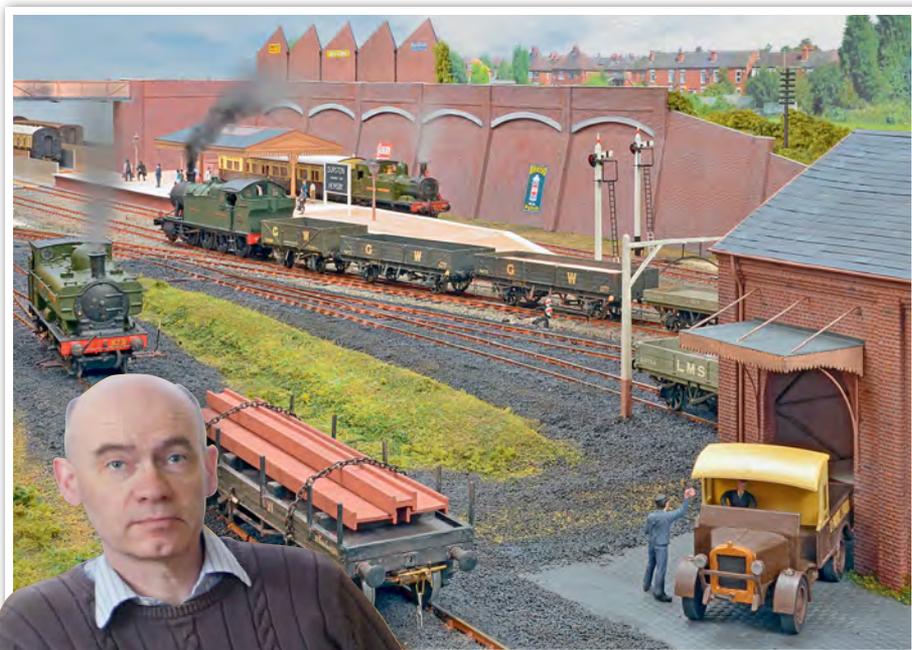
'48XX' 0-4-2T 4812 accelerates the Hemsby branch auto away from the station, having picked up the single line token, past the cattle dock and some sheep waiting to be loaded into an empty wagon.

transmit power to the cassette units as they are slid into position. At the station end one also serves as the run-round and headshunt for the goods yard.

Durston made its debut at the Canterbury club exhibition in January 2014. It was fully operational and the scenics were largely complete but the level of detailing was not as advanced as now. The layout is currently available for exhibition bookings in the south east of England. Please make contact via the City of Canterbury Model Railway Society website ([www.ccmrs.co.uk](http://www.ccmrs.co.uk)).

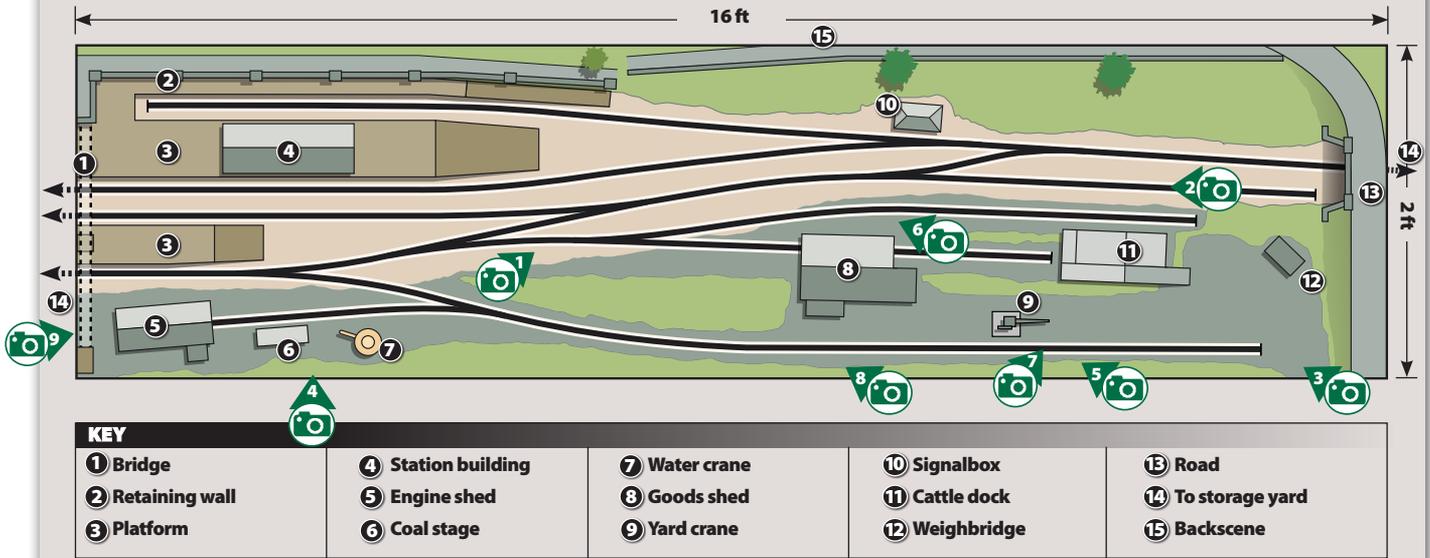
### WHAT'S NEXT?

Apart from installing the signal operating mechanisms, other jobs on the horizon are to expand the stock roster, primarily locomotives and coaching stock. Then there is the extension board to include the rest of the station, a parcels bay and the run-round for the goods yard. As you can see, there is plenty to keep me occupied for some while to come! [Feb 2016](#)



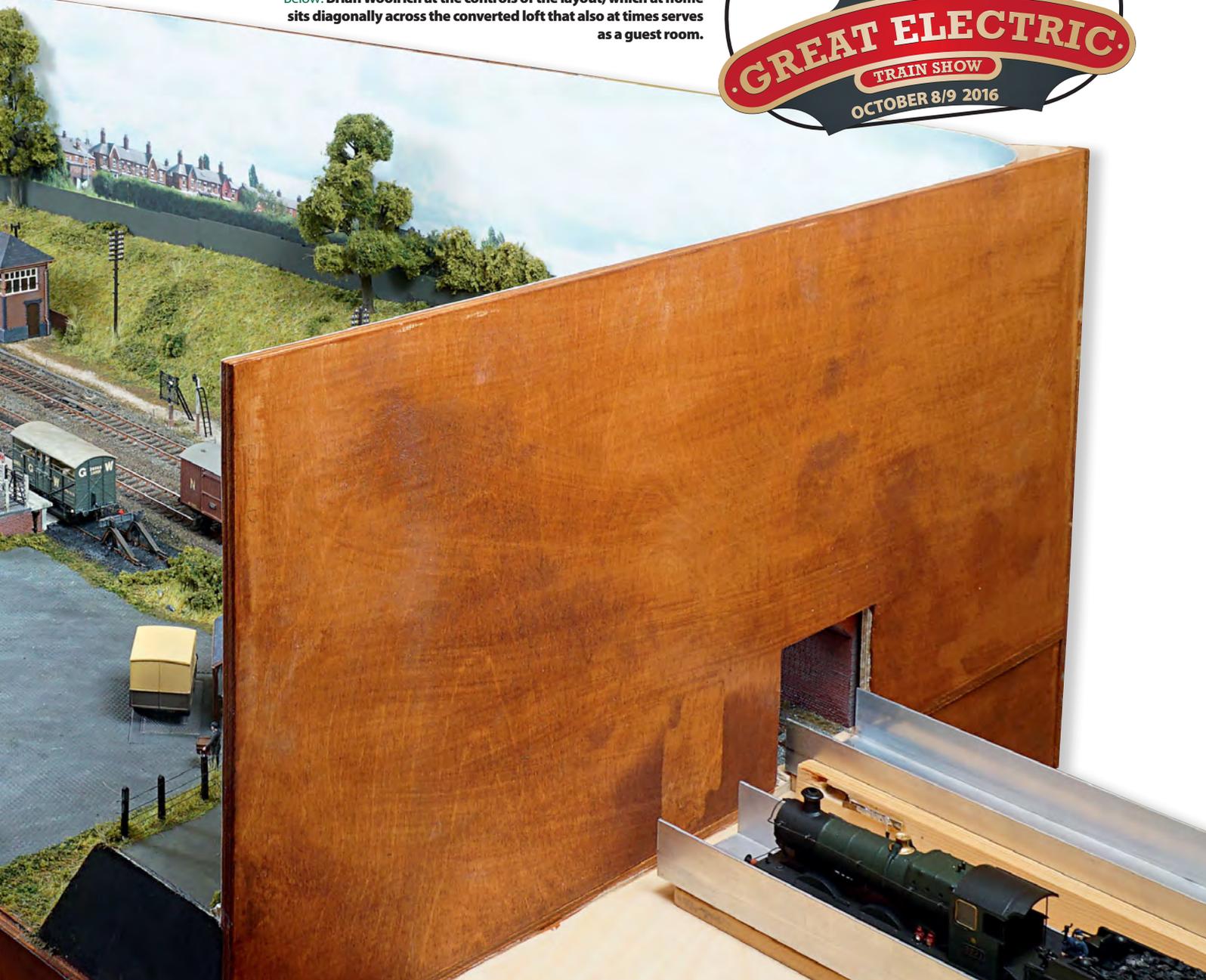
 Left: '2251' 2271 hauls a mixed freight past the 'Prairie' being watered at the service area. In the bay platform is '48XX' 0-4-2T 4812 with its autotrailer, plus an empty horse box and a Beetle to be ferried up the branch.

## DURSTON TRACK DIAGRAM (NOT TO SCALE)



 Top left opposite page: A '5205' 2-8-0T heads a westbound goods through Durston as the autotrain simmers in the bay. The lorry driver discusses his best route before leaving to make his deliveries.

Below: Brian Woolrich at the controls of the layout, which at home sits diagonally across the converted loft that also at times serves as a guest room.







# The

# R 24 Hr CHALLENGE U N D

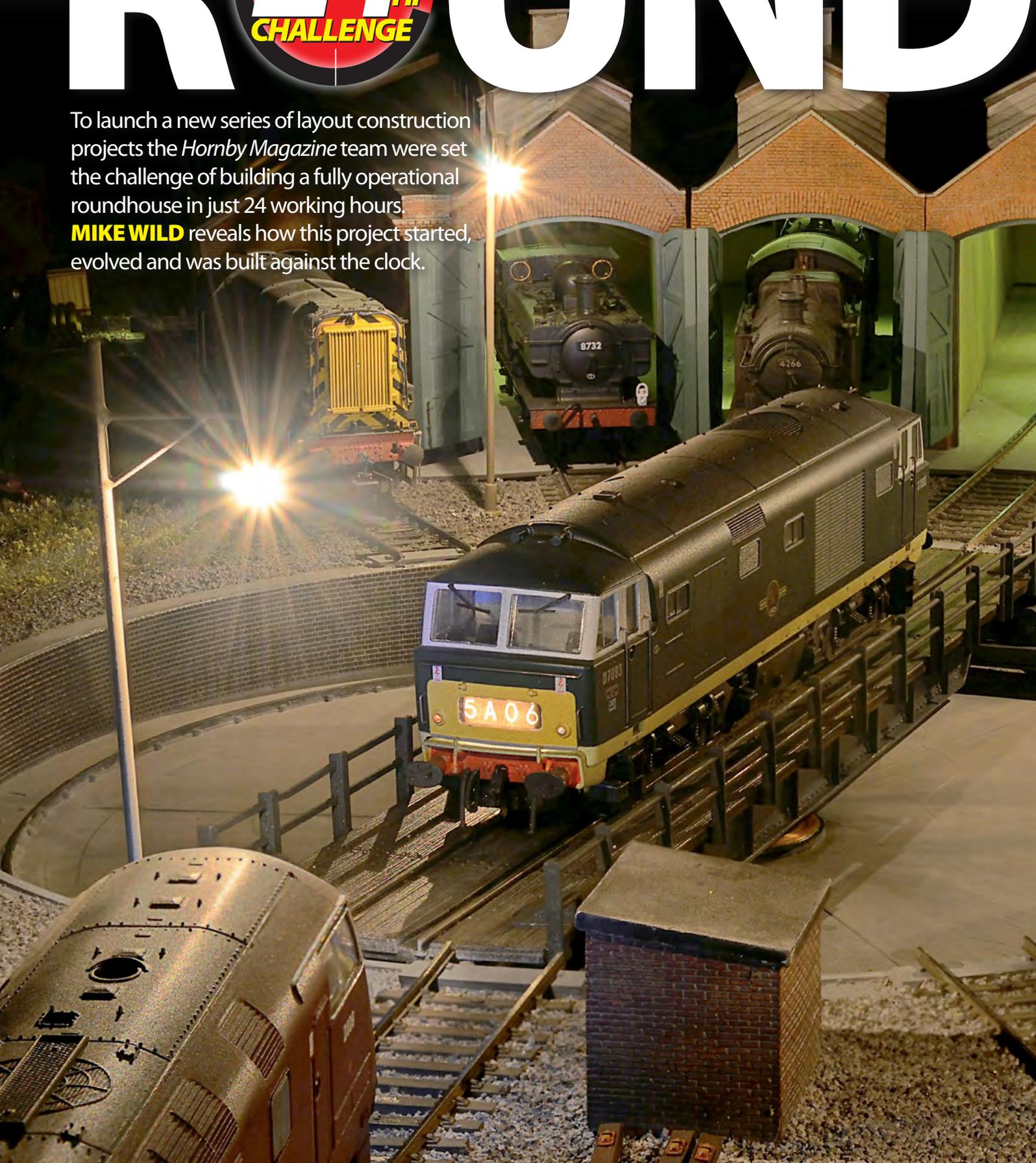
THE BUILDERS



**MIKE WILD:** *Hornby Magazine* editor and prolific layout builder. Mike likes to get a build done quickly and effectively. He knows his way around timberwork as much as wiring and track laying.

To launch a new series of layout construction projects the *Hornby Magazine* team were set the challenge of building a fully operational roundhouse in just 24 working hours.

**MIKE WILD** reveals how this project started, evolved and was built against the clock.





**MARK CHIVERS:** *Hornby Magazine's* assistant editor is no stranger to layout building and specialises in the detail elements of the project, taking a model from bland to interesting with great skill and dexterity.

# HOUSE



A 'Hymek' is turned while a 'Warship' waits to enter the depot for stabling. This entire scene was built in under 24 working hours.

**R**AILWAY CONSTRUCTION is what makes us tick. We love nothing more than to dig into a new project, whether it is as simple as adding bufferbeam detail to a new locomotive through to installing sound or even building a brand new project from scratch.

There is a great sense of achievement in building a new layout but it has always been clear on talking to newcomers that time tends to be an issue along with space. However, in our world neither of these elements are reasons not to start on a railway project as both can be overcome – and that is why we set out to build this brand new depot scene in 'OO' gauge in just 24 working hours!

We wanted to do something different and the idea of a timed challenge made the prospect all the more enticing. The last time we had done something like this was when we built Ashland (HM51) in a weekend at the *Hornby Magazine LIVE!* in Hartlepool event in 2011. For that build we had a team of three and a number of constraints to work with – including not being able to use power tools due to the proximity of the public – but the project was a great success and by 3pm on the Sunday afternoon of the show we had a fully assembled, completed model railway running trains through a new 9ft long scenic section.

For this 24hr project we had a closed workshop to work in giving us free rein to use whatever equipment we needed from the unit in order to build the model quickly and stress free.

## THE PLAN

We wanted to create a model which used materials from a wide variety of sources. It had to fit within a 4ft x 3ft footprint - partly because there was a spare sheet of 9mm plywood in the workshop - and it had to be interesting too. Ideally it needed >>

# 24 Hr CHALLENGE

to be able to be added on to an existing project and at the same time have the ability to become part of a larger future layout too.

So, the idea of a depot scene emerged. 4ft x 3ft didn't offer a huge amount of space – and we were certainly never going to be able to model every single feature of a depot – but it did offer plenty of scope. One of the catalysts for this build was ADM Turntables' impressive indexing drive turntable which comes pre-built onto a Peco turntable well. The idea of a roundhouse held great potential, so ideas began to develop.

A quick search on the internet and in our storage unit turned up all that we needed to get cracking with the build. Buildings offer a hint of St Blazey depot in Cornwall through the use of Kernow Model Rail Centre's roundhouse segments while other features included Old Oak Common-inspired sidings around the turntable and a simple set of sidings along the front of the depot. The final plan would model just the quarter roundhouse that we had in mind together with locomotive storage leaving the facilities for coal, ash disposal, maintenance and diesel fuel to stand off scene out of sight.

But what about the timescale? Would it be possible? Could our team of two really build this entire scene in just 24 working hours? Clearly it wouldn't be possible to do it in 24 hours straight (not least because of drying times)

PAINTS AND POWDERS WE USED		
Grey Primer acrylic, 14ml tin	Humbrol	1
Grey Primer aerosol	Halfords	473-116
Dark Earth acrylic aerosol	Humbrol	29
Dark Wooden Stock acrylic, 22ml tin	Lifecolor	UA729
Wood Cold base colour acrylic, 22ml tin	Lifecolor	UA717
Light Wooden Stock acrylic, 22ml tin	Lifecolor	UA728
Shadow Rust acrylic, 17ml tin	MIG Ammo	A.MIG-043
Ultrafine white powder	DCC Concepts	DCW-GRY
Ultrafine mid gray powder	DCC Concepts	DCW-GRY

but a quick draft of a possible plan based on four or five work sessions, allowing time for glues to dry in between, meant that on paper at least what we were proposing was certainly possible – we just had to get on with it!

## THE BUILD

Having prepared the workshop and set up enough lighting to put the Blackpool Illuminations to shame Mark Chivers and I got to work. The starting point was naturally to build the baseboard. A basic sketch of what we were to build on a sheet of A4 paper and a few pencil marks on the sheet of plywood were the guide for the basic build.

First up we trimmed the sheet of plywood to size reducing its width by 6in to create a final baseboard size of 4ft x 2ft 6in. The position for the ADM turntable adapter – a handy device which allows the turntable to be lowered out of the baseboard – was marked on the board next and a hole cut out using a jigsaw for speed and convenience. All the edges were cleaned up using an electric sander allowing us to go on to create the frame from 69mm x 18mm softwood.

The opening for the turntable adapter was framed with the cross-members of the baseboard with a second sub-frame added inside to offer the insert maximum stability. The adapter section's surface was made from 12mm MDF while our baseboard top was 9mm plywood which meant

that the sub-frame had to be fitted precisely 3mm lower than the main baseboard frame for accurate alignment of the surfaces.

A set of temporary legs were cut from the same 69mm x 18mm softwood as the baseboard frame and screwed to ends of the layout. They were braced with the offcut of plywood from the original baseboard surface piece giving us a strong and rigid working area.

Baseboard construction was by far the quickest element of the project and it took just 39 minutes start to finish to build the entire baseboard from scratch until it was fully assembled with legs and the turntable adapter.

With the first phase complete we then moved on to a final mock-up. The turntable was loosely positioned in the adapter, the buildings removed from their boxes and a couple of yard lengths of track used to get our bearings.

One of the great time saving factors of the build was the use of the ADM turntable. This is supplied ready built and fitted to the manufacturer's impressively quiet and reliable indexing drive system. All we had to do was 'drop' it into place, add the final details and paint it. The indexing system means that the turntable always remembers the position of each track once programmed, and it has the ability to be configured to any position within its 2,400 plus step range.

As the centrepiece of the model this set the position of all other >>>

# TOOLS

- » Handsaw
- » Tape measure
- » Pencil
- » Tri-square
- » Electric screwdriver
- » Electric drill
- » 2.0mm, 2.5mm, 3.0mm and 8.0mm drill bits
- » Electric jigsaw
- » Electric sander
- » Craft knife
- » Cutting mat
- » Steel ruler
- » Sanding boards
- » Wet and dry paper
- » DCC Concepts track cutters
- » DCC Concepts wire strippers
- » Side cutters
- » Soldering iron (25watt)
- » Screw driver (crosshead)
- » Jewellers screw driver (bladehead)
- » Plastic tubs

# THE BUILD



**Above:** Three, two, one... go! The starting point for the 24hr challenge – sheet timber, ADM Turntables' turntable and adapter, a collection of buildings, tools and materials.

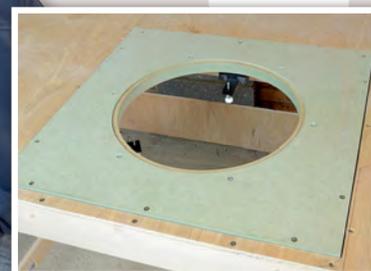


**Right:** Cutting and assembly of the single 4ft x 2ft 6in baseboard took just 39 minutes start to finish!

Mike cuts the opening for the ADM turntable adapter in the baseboard surface with an electric jigsaw.



**Below:** The turntable adapter sits on a separate sub-frame within the baseboard which was later adjusted so the boards matched in height.



Hydraulics fill the storage lines as a Collett '2884' 2-8-0 draws onto the turntable to start its duties.



Above: Mocking up the scene on the newly completed baseboard.



Right: Track laying advanced rapidly using Peco code 75 track with turntable programming being carried out at the same time.

Right: Mark cuts and shapes the plasticard to make the shed hardstanding while Mike completes the wiring underneath for the power bus.





items on the layout. Initial mock-ups saw track cut to length quickly and conveniently with DCC Concepts track cutters and loosely positioned in the roundhouse sections. The track supports from the Peco turntable kit were temporarily fixed in place with Blu Tack – one of our greatest tools – while we made sure that what we had in mind really was going to work.

Satisfied with the initial layout we then set to work on track laying and turntable indexing at the same time. Mark tackled the turntable setup as I laid the tracks to it making for a spirited period of teamwork. Soon we had all 12 tracks pinned down around the turntable and ready for the starting of wiring. Again we split our efforts – Mark finished off the turntable as I started adding wire droppers to the tracks inside the buildings so that once the turntable was fully set up Mark could move on to create the ‘concrete’ hardstanding that would sit below the buildings. At this point I’d moved to wiring other sections of the layout spending the rest of the first day sat below the baseboard adding the power bus for the Digital

Command Control (DCC) feed and joining all the wires from the tracks to their relevant terminals.

At the end of the first day we’d put in a little over 5hrs 30mins, but happily we achieved a great deal. The baseboard was built, track laid and wiring tested - and we’d even started on the scenery too. Now we were ready to push forward on day two to take the layout to the next level.

### DETAILING

The second day of the build was, on paper at least, far less productive. We’d made such good progress on the first that really everything after that was going to be slow! Our main tasks were preparation and base detailing. Mark continued to cut and shape the plasticard sections for the hardstanding while I turned attention to paintwork.

First on the list was painting the turntable well which was done with Humbrol grey primer (No. 1) which was followed in stages with spraying of Humbrol Dark Earth (No. 29) on to the track formation to weather the rails and sleepers.

We’d removed the turntable at this stage to allow more convenient working methods and negate the need to mask any area of the layout during spray work. This worked greatly to our advantage as while one area of paint was drying another was being painted. Acrylics were used throughout for their claimed 10-minute drying time.

Cork was laid under the hardstanding to raise it to the level of the sleeper ends and while

Mark completed the installation of the plastic panels Redutex self-adhesive bricks were added to the turntable well side. This super product makes the job of adding realistic brick finishes simple – it can be cut to size with scissors and the self-adhesive nature of this product means it is very clean to use too. Perfect for a build like this.

The final job of day two was ballasting. This was essential to finish no matter what as it provided the basis for all future detailing of the layout. Using a mixture of Woodland Scenics fine and medium blended grey ballast – with more of the fine in the mix – the whole layout was covered with ballast where appropriate with both of us working on opposite ends of the model for quick progress. Behind the depot and at the rear of the workshop Green Scene fine turfs were used to create the basic grass ground cover while chinchilla dust was used for the road entrance behind the water tower. All of the buildings had been glued down with contact adhesive prior to ground cover application to ensure they were bedded neatly into the scenery.

### LET THERE BE LIGHT!

Brainwaves are the sort of thing which shouldn’t happen halfway through a timed project, but with less than 12 hours of build time elapsed ideas started forming. We could do more, but what could we do better given the time available? Interior and yard lighting was the obvious answer. >>

Churchward ‘42XX’ 2-8-0T 4266 moves round to the exit road at the roundhouse.



### PRODUCTS WE USED

PRODUCTS	MANUFACTURER/SUPPLIER	CAT NO.
Cornish roundhouse segments (x5)	Kernow Model Rail Centre	44-007Z
Cornish roundhouse outer walls	Kernow Model Rail Centre	44-008Z
GWR water tower	Kernow Model Rail Centre	44-097Z
Side office/workshop	Bachmann	44-174
Boiler house	Bachmann	44-059
Corrugated metal shed	Bachmann	44-558
Brick lineside hut (x2)	Bachmann	44-0025
Corrugated iron workshop	Hornby	R9810
Buffer stops (x8)	Peco	SL-40
Code 75 metal rail joiners	Peco	SL-110
Code 75 insulated rail joiners	Peco	SL-111
Yard lamps, 110mm (x6)	Layouts 4U	YL5
Indexing turntable	ADM Turntables	n/a
Turntable adapter kit	ADM Turntables	n/a
Fine and medium turf, various greens	Green Scene	Various
Autumn 6.5mm static fibres	MiniNatur	006-33
Winter 4.5mm static fibres	MiniNatur	004-34
Winter 6.5mm static fibres	MiniNatur	006-34
Fine blended grey ballast	Woodland Scenics	B1393
Medium blended grey ballast	Woodland Scenics	B1394
Code 75 flexible track (x12 yards)	Peco	SL-100F
Code 75 medium left point	Peco	SL-E196
1.0mm plastic sheet (x5)	Evergreen	509040
1/16in cork sheet (x1)	Gaugemaster	GM130
Yellow LEDs (x17)	DCC Concepts	LED-PW3
Cobalt IP digital point motor	DCC Concepts	DCP-CB11P
Redutex engineers brick sheet	DCC Supplies	076LD814
0.33mm nickel silver rod	Albion Alloys	NSR033

# THE BUILD



Left: As the layout is DCC controlled all tracks have separate power feeds which go back to the main power bus.



Above: Even on a quick build testing is essential – we still want everything to run smoothly when finished. A Bachmann Class 37 is used to check clearances with the new plastic inserts.

**GO ONLINE!**  
VISIT [WWW.HORNBYMAGAZINE.COM](http://WWW.HORNBYMAGAZINE.COM)  
TO SEE THIS IN ACTION



**Above:** Creating the hardstanding around the shed was a long process, but worth the effort.



**Above:** Mark finishes the hardstanding while Mike details the turntable well. The track has been sprayed with Humbrol No. 29 to weather it.

**Right:** Even with the basics in place the scene is developing rapidly in the middle of the second day.



# 24 Hr CHALLENGE

Happily all the components we needed for the building interior lights were already to hand, but yard lamps needed to be sourced before the final build session at the end of the week. So on day three our first port of call was to raid the *Hornby Magazine* stores to collect together 10 strips of 0.33mm nickel silver rod, five DCC Concepts LED circuit boards from its super value lighting packs and 15 yellow LEDs from the same source to provide lighting for the engine shed buildings. We were hoping that this combination would result in a soft yellow glow to the interiors and we weren't disappointed.

The strips of Albion Alloys nickel silver rod were cut to length to fit in the upper roof section of each shed building and three LEDs were soldered to them in series taking care to ensure that the positive and negative leads were connected to the correct sides. These were then connected to the LED circuit boards provided with DCC Concepts lamp super value packs.

Meanwhile Mark was hard at work with the paintbrush giving the roof of each building two coats of grey paint to stop light bleeding through the cream coloured resin casting. Once these were drying the 'concrete' hardstanding was weathered with a combination of white and darker limestone weathering powders from DCC Concepts to give this

Taking inspiration from Old Oak Common a 'Warship' and 'Hymek' stand side by side on the stabling lines.



area a more realistic finish.

Once the roofs were fully dry the lighting strips were taped to each building using electrical tape which provided a quick, clean and fuss free means of securing these lightweight items. Each one was then connected to a pair of multi-core wires – red for positive, green for negative – and two holes were drilled through the baseboard at the back of each shed to allow the wires to pass through the board to a connector block.

The results were superb and inspired us to get cracking with other detail elements of the build to ensure that we had enough time to add a set of yard lamps on the final day.

Again we split our efforts. Mark added the railings to the turntable deck and finished the detail painting of this central feature while also taking on detail painting of spare lengths of rail, sleepers, wheels and other finishing items for the depot scene.

Meanwhile I was airbrushing the track formation with Geoscenics black concentrate – heavily diluted – before tackling a first layer of static grass to the scene using a Noch Grasmaster. This transformed the layout from a barren and bare depot

## GLUES AND TAPES WE USED

- Evostick PVA
- Evostick contact adhesive
- Deluxe Materials Plastic Magic
- Loctite precision superglue
- Black electrical tape
- Tamiya low tack 10mm masking tape

instantly giving it much greater realism. More was needed though, but we had drying times to wait for again so for the final job of the day the doors were added to the sheds before we turned the lights off.

## THE COUNTDOWN

By now 18 of our 24 hours' build time had passed but we were on the home straight. One final push would see us through to the point of completion and happily all the materials we needed were now here and ready to use.

First priority was a second layer of static grass as we needed to add more depth to the grass during the same day. This done we moved on to the yard lamps. These are from Layouts 4U and while they served our purpose perfectly we wanted to change their colour from gloss black to 'timber' brown. So, a spare piece of timber had six



A Collett '2251' 0-6-0 is turned towards the empty shed road at the end of the day.

2.5mm holes drilled through it so we could mount the lamps onto it temporarily for spraying. With the paint dry the lenses were cleaned of paint by scraping them with a craft knife making the lamps ready to install around the yard. These were done quickly by drilling 3mm diameter holes and fixing them in place with contact adhesive.

While the glue dried on these the grass was given its third treatment by using hairspray to add final detail textures consisting of Green Scene and Woodland Scenics turfs.

The lamps were now firmly seated on the layout so I set to work wiring them up underneath while Mark

# THE BUILD



Above: Ballast is Woodland Scenics fine and medium blended grey applied loose and then fixed in place with diluted PVA.



Below: At the end of day two the entire board had its first layer of ground cover – an important achievement.

Right: Static grasses from the MiniNatur range and Green Scene fine turfs have been used to add detail to the basic ground cover.



Left: The hardstanding was weathered with DCC Concepts white and mid grey weathering powders for a realistic finish.



got on with the final detailing adding boxes, pallets, spare wheelsets, tools, figures and more. Happily, we have a large collection of such paraphernalia which travels with *Hornby Magazine's* exhibition layouts and Mark has a great eye for making the most of this collection.

This brought construction to a close as the final wires were connected to the yard lamps and the layout was powered up for the first time as a completed model. It was 1.38pm on the final day of the build and the roundhouse challenge was complete. A little over 22 hours had elapsed and we were within our challenge timeline. The

result is a busy and compact depot scene with the of a turntable as its centrepiece. It has been a pleasure to build and a great challenge to take on – and will doubtless be the catalyst for future projects.

We hope you enjoying seeing what we have created. Visit [www.hornbymagazine.com](http://www.hornbymagazine.com) to see time lapse videos of the model under construction and footage of the completed model in action. Plus, we'll be going into detail to explain how the ADM Turntable was installed and set up in a future issue. Watch this space for more on this and more 24hr challenges... we can't wait for the next one! [Ethan](#)

#### USEFUL LINKS

<b>ADM Turntables</b>	<a href="http://www.admturtables.co.uk">www.admturtables.co.uk</a>
<b>Albion Alloys</b>	<a href="http://www.albionalloys.co.uk">www.albionalloys.co.uk</a>
<b>Bachmann</b>	<a href="http://www.bachmann.co.uk">www.bachmann.co.uk</a>
<b>DCC Concepts</b>	<a href="http://www.dccconcepts.com">www.dccconcepts.com</a>
<b>DCC Supplies</b>	<a href="http://www.dccsupplies.com">www.dccsupplies.com</a>
<b>Deluxe Materials</b>	<a href="http://www.gaugemaster.com">www.gaugemaster.com</a>
<b>Evergreen</b>	<a href="http://www.ehattons.com">www.ehattons.com</a>
<b>Green Scene</b>	<a href="http://www.green-scene.co.uk">www.green-scene.co.uk</a>
<b>Hatton's Model Railways</b>	<a href="http://www.ehattons.com">www.ehattons.com</a>
<b>Hornby</b>	<a href="http://www.hornby.com">www.hornby.com</a>
<b>Humbrol</b>	<a href="http://www.humbrol.com">www.humbrol.com</a>
<b>Kernow Model Rail Centre</b>	<a href="http://www.kernowmodelrailcentre.com">www.kernowmodelrailcentre.com</a>
<b>Layouts 4U</b>	<a href="http://www.layouts4u.net">www.layouts4u.net</a>
<b>Lifecolor</b>	<a href="http://www.airbrushes.com">www.airbrushes.com</a>
<b>MIG Ammo</b>	<a href="http://www.migjimenez.com">www.migjimenez.com</a>
<b>MiniNatur</b>	<a href="http://www.mininatur.de">www.mininatur.de</a>



**Left:** The opportunity to add interior lighting to the shed was too good to miss – especially as we were doing so well with time. The lighting strips are made from three DCC Concepts yellow LEDs, two strips of Albion Alloys 0.33mm nickel silver rod and a DCC Concepts LED control board.



The soft yellow glow of the shed lights suits the era perfectly.

**Right:** The roof of each roundhouse segment was painted grey to stop light bleed and the LED strips were fixed to the roof with electrical tape.

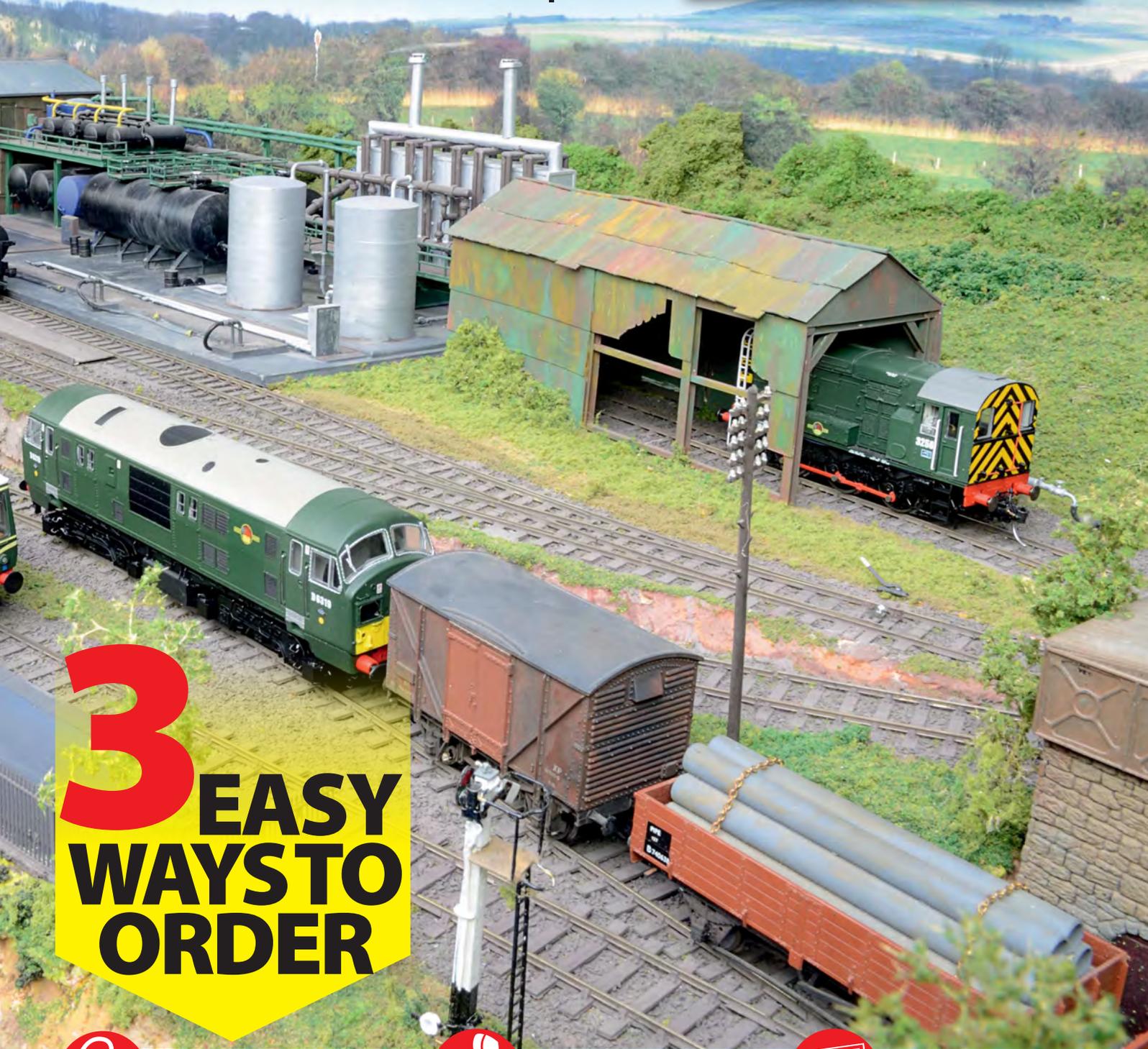


Almost complete! The roundhouse doors are hung while the layout waits for the yard lamps to be installed and final detailing.

# FREE GIFT

When you take out a 2-year  
or Direct Debit subscription

**HORNBY**  
magazine



**3** EASY  
WAYS TO  
ORDER



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



# HM2000 Controller

## The Ultimate Analogue Controller

- A complete transformer and speed control unit with built-in control for two separate trains
- Power output is 2 amps with compensation to regularise speed under varying conditions of load
- Positive off rotary speed control cuts all power when the knob is turned to zero. Features include forward and reverse switch, plus LED indicators for mains supply and output power
- Outputs include non-variable AC and DC power for point motors and other powered accessories.

Available to buy now from [www.hornby.com](http://www.hornby.com) and Hornby stockists



# EXCLUSIVE FIRST EDITIONS

Limited Editions with Endless Appeal

**BURTON CORPORATION**



26329  
GUY ARAB II UTILITY

**LINCOLNSHIRE ROAD CAR**



38125  
BRISTOL VRT

**HEBBLE MOTOR SERVICES**



24331  
30' BET BUS

**BEXLEYBUS**



28828  
LEYLAND TITAN

**PLYMOUTH CITY TRANSPORT**



15111  
LEYLAND NATIONAL MKI LONG

**RAIL EXPRESS PARCELS**



22914  
BEDFORD TK BOXVAN

**ARRIVA LONDON**



31910  
RML ROUTEMASTER

**ALDER VALLEY NBC**



24108  
BEDFORD TK DROPSIDE

**OXFORD BUS COMPANY CITYLINE**



28829  
LEYLAND TITAN

**NORTHUMBRIA**



17231  
LEYLAND NATIONAL

**LONDON TRANSPORT**



34112  
AEC RT BUS

**RIBBLE**



15720  
PLAXTON PANORAMA

**BURTON CORPORATION**



26329  
GUY ARAB II UTILITY

**BRITISH RAILWAYS**



23406  
BEDFORD TK 2 AXLE FLATBED

**ROYAL BLUE NBC**



12123  
HARRINGTON CAVALIER

Exclusive  
First  
Editions

To Find EFE Stockists or to Buy Direct Stop Off At  
**exclusivefirsteditions.com**

Exclusive  
First  
Editions

# 'O' gauge Falcon takes flight

Brush prototype *Falcon* is a firm favourite and now we have the chance to own this stunning locomotive in 'O' gauge through Heljan's latest release.

**MIKE WILD** runs the rule over this impressive 7mm scale diesel.

In 'O' gauge the imposing proportions of *Falcon* are captured to a tee.





#### THE DETAILS

<b>Manufacturer:</b>	<i>www.heljan.dk</i>
<b>Cat No:</b>	5351
<b>Description:</b>	Brush prototype D0280 <i>Falcon</i> , BR two-tone green
<b>Scale:</b>	'O'
<b>Price:</b>	£699.00
<b>Era:</b>	5/6
<b>DCC:</b>	Suitable for conversion
<b>Couplings:</b>	Working screw links



*“Falcon is amongst the most popular of the Type 4 diesel prototypes.”*

**MIKE WILD**

**T**WIN MAYBACH ENGINES, 68ft 10in long and 2,880hp all add up to one thing – 115tons of Brush diesel-electric prototype *Falcon*. Delivered in 1961 to BR for tests this locomotive emerged from Brush Works in Loughborough in a striking lime green and chestnut brown livery and carrying the number D0280.

The twin engine Type 4 was Brush's first answer to the BR design panel's requirement for a new standard design for the category. However, the fact that it had twin engines soon made it outdated as new more powerful single power units became possible.

*Falcon* saw service on the Eastern, Midland and Western Regions during its initial testing and after a period in works it was taken into revenue stock by BR in 1965 when it was allocated to the Western Region at Bristol Bath Road depot. By now it carried BR two-tone green and operated alongside the 'Western' hydraulics. It was later purchased outright by BR, overhauled at Swindon Works and brought back into traffic in 1970 carrying BR blue with full yellow ends. It continued in service until 1975 and was later disposed of in 1976, bringing to an end to the *Falcon* story. >>



## THE MODEL

Happily in model form *Falcon's* distinctive appearance has been preserved for posterity twice now by Heljan – first in its highly popular 'OO' gauge model and now by this imposing 'O' gauge, 7mm:1ft scale, production.

Heljan has a fine reputation for creating quality models of British diesels in 'O' gauge with a back catalogue which includes the Class 33, 40, 52 and most recently the Class 60 (HM103). All have been produced in limited numbers, but *Falcon* is even more limited. Just 750 pieces have been made across the three liveries making this an already prized product. Fortunately, we were able to get our hands on one for review via Heljan – we couldn't miss the opportunity to see one of these models first hand.

The long slab-sided design of *Falcon* is surprisingly full of character and Heljan has recreated

that beautifully. From all angles it captures the looks and style of the real locomotive and with a high standard of fit and finish too. Features to look out for include the fine turned metal sprung buffers, directional lighting, detailed cab interior (although it will benefit from a little detail painting and a crew) working roof fans, twin motor drive and a separately fitted *Falcon* crest mounted on the bodyside.

Separately fitted handrails and grabrails are fitted all round while the model also comes with fully detailed bufferbeams straight from the factory. Central on these are screw link sprung couplings which are fully operational.

The bodyside grilles are neatly moulded while the roof fan grilles are separate etches. The underframe features authentic renditions of the bogie side frames and fuel tank designs making this a powerful package on the detail front.

Our sample was delivered in BR two-tone green as carried by D0280 between 1965 and 1970. This version is limited to just 300 models.

Application of the paint was excellent throughout with crisp edges to the yellow warning panels, neatly printed headcode panel letters and numbers together with pristine paint finishing on the body and roof.

## PERFORMANCE

All of Heljan's 'O' gauge diesels come equipped with a twin motor chassis and *Falcon's* is similar in style to the recent Class 60 (HM103) which opens up greater space inside the model. With its 4kg weight *Falcon* is a heavy locomotive and its performance is helped by this. Straight from the box our sample ran smoothly and quietly offering fine control of the motors which were perfectly matched to realistic speeds. Flywheels are fitted to the motors and this helps in the model's silky-smooth performance. Drive is to the outer axles of each bogie leaving the centre axle free for current collection only.

Our test circuit calls for negotiation of second radius 'O' gauge curves which the model handled comfortably when running light. Loading it up with a seven-coach train proved to be no contest for *Falcon's* power when underway -



Detailed cab interior.

Gearbox and bogie mount.

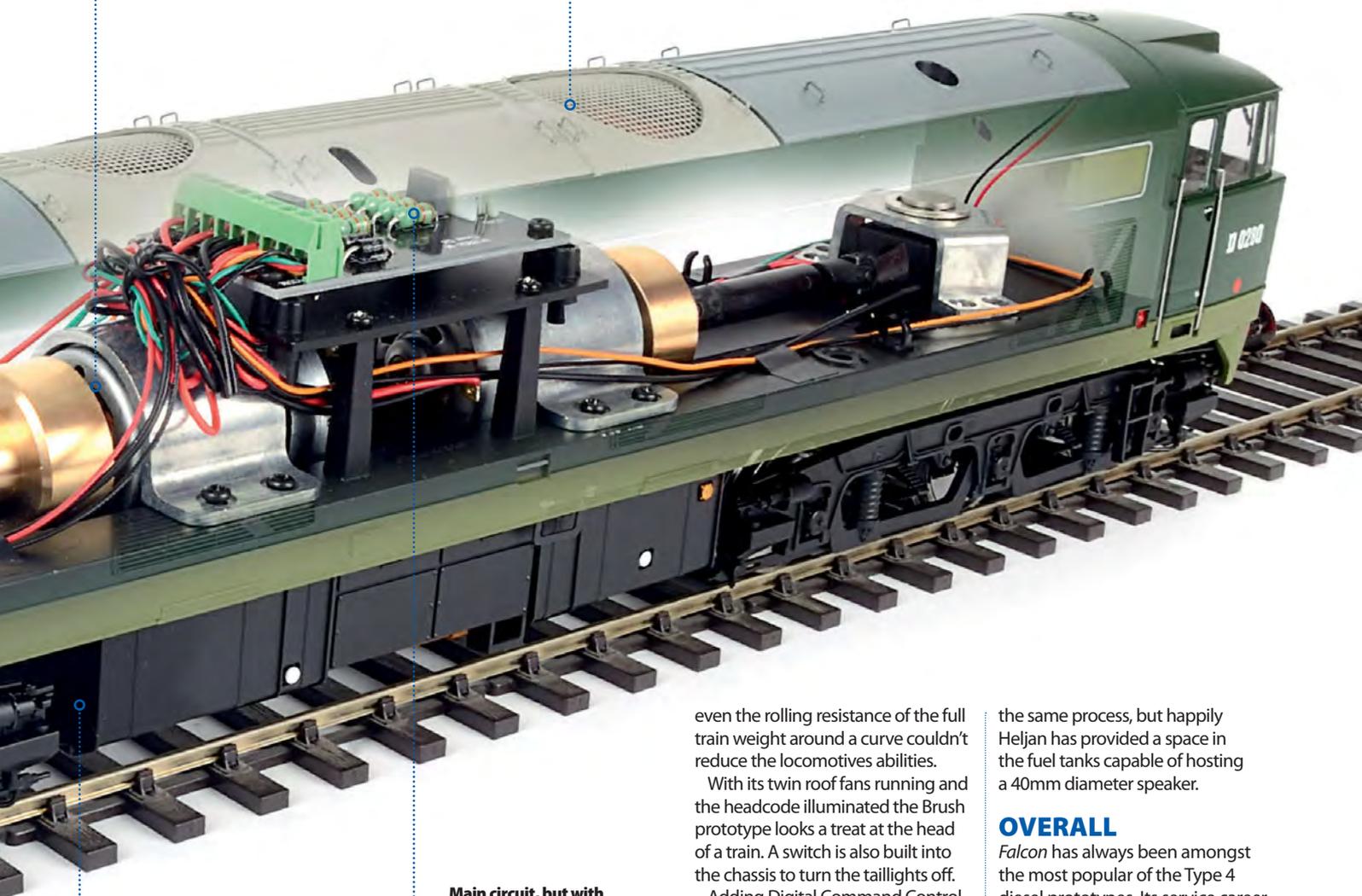


The long slab-sided body is given relief by beautifully executed grilles and detailing.



Twin motors with heavy brass flywheels.

Working roof fans driven by separate motors.



Main circuit, but with no DCC socket.

Three-axle bogies with the outer axles powered.

even the rolling resistance of the full train weight around a curve couldn't reduce the locomotive's abilities.

With its twin roof fans running and the headcode illuminated the Brush prototype looks a treat at the head of a train. A switch is also built into the chassis to turn the taillights off.

Adding Digital Command Control (DCC) should be straightforward, but will require a suitable large scale decoder to provide enough power for the motors. Installation of a decoder is best seen as a replacement of the central Printed Circuit Board, as there is no form of DCC decoder socket provided in the model. Sound will require

the same process, but happily Heljan has provided a space in the fuel tanks capable of hosting a 40mm diameter speaker.

## OVERALL

Falcon has always been amongst the most popular of the Type 4 diesel prototypes. Its service career with BR gave rise to a greater following than some others with shorter lives and it continues to attract great attention today in model form. Heljan's new 'O' gauge model of D0280 is a fantastic tribute to this fine machine and one which we are certain will be a sell out success. (MW)

'OO' GAUGE

THE DETAILS	
<b>Manufacturer:</b>	www.oxfordrail.com
<b>Cat No:</b>	OR76AR002
<b>Description:</b>	Adams '0415' 4-4-2T 30584, BR lined black, early crests
<b>Price:</b>	£99.95
<b>Era:</b>	4
<b>DCC:</b>	DCC ready, 8-pin socket
<b>Couplings:</b>	Small tension locks in NEM pockets

# REVISED



**T**HE FIRST OXFORD RAIL ready-to-run Adams 'Radial' 4-4-2Ts touched down in November 2015 (HM103) and while it was certainly a welcome addition to the impressive Southern Railway locomotive stable for 'OO' it received a mixed response in the wider market. However, Oxford Rail has released a new, and upgraded, version of the model in this second incarnation.

Delivered as 30584 in BR lined black with early crests on the side tanks this model really looks the part – not least in the fact that it has black handrails and a black smokebox door dart. These small changes make a big difference to how the model looks, although silver handrails have been retained on the leading edge of the water tanks and at the cab where contemporary images suggest these should also be black.

The quality of this production model is also greatly improved with Oxford Rail having made minor adjustments to the tooling and its manufacturing process including a change to ensure that the tool boxes either side of the smokebox are fitted flush with the footplate. Livery application is neatly done throughout with a subtle satin black base colour finished off with neat and complete lining, crests and bunker side numbers.

Our initial tests with the first release, 30583 (HM103), were limited in time, but happily we have been able to put this sample of 30584 through its paces fully with endurance performance being evaluated alongside the basics. Firstly and most importantly the stiffness of the original chassis design has been resolved so the model has a small amount of vertical movement in the front bogie. This has been achieved

'OO' GAUGE

## A Bentley beauty from Oxford

Augmenting the Oxford Diecast range of 1:76 scale model vehicles is this new issue of the Bentley T2 four-door saloon. Depicting a late 1970s registered vehicle, our sample is finished as KCX 480S in gloss Masons black relieved by a gold stripe on each side. Neat touches include brake lights and indicators picked out as well as Bentley badges, white-walled tyres, satin black bumpers and plush cream interior. A striking release from Oxford Diecast. (MC)

THE DETAILS	
<b>Manufacturer:</b>	www.oxforddiecast.co.uk
<b>Cat No:</b>	76BT2003
<b>Description:</b>	Bentley T2 saloon, Masons black
<b>Price:</b>	£4.95
<b>Era:</b>	7



# 'RADIAL'



by shortening the length of the front of the bogie marginally so that uneven track or changes of gradient can be accommodated by the model without it losing traction. The driving wheel flange depth has also been reduced to improve their appearance. We found that throughout our tests the model coped perfectly well with a range of medium and large radius code 75 points and also easily handled second radius curves.

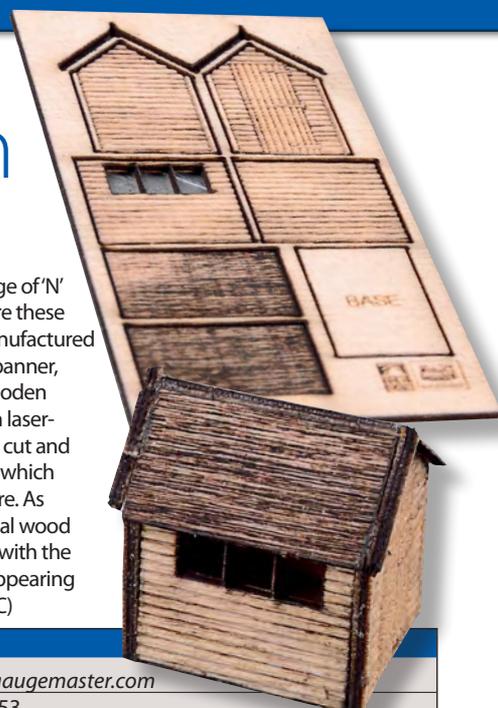
An 8-pin DCC decoder socket is fitted to 30584, as with 30583, with limited space available for those wishing to install digital sound.

Oxford Rail has responded superbly well to commentary on its first 'Radial' and while the changes may only be small, but they have made a big difference to how it looks and runs. It makes this version of the 'Radial' highly attractive – and especially with its sub £100 price tag. (MW)

## 'N' GAUGE

### Garden sheds

New to Gaugemaster's range of 'N' gauge scenic accessories are these laser-cut garden sheds. Manufactured under the Kestrel Designs banner, each pack contains two wooden garden sheds presented on laser-cut frets. Each part is neatly cut and held in place with tiny tabs which are easily removed, with care. As each part is formed from real wood the final effect is authentic with the overlapping wood effect appearing particularly convincing. (MC)



#### THE DETAILS

<b>Supplier:</b>	<a href="http://www.gaugemaster.com">www.gaugemaster.com</a>
<b>Cat No:</b>	GMKD53
<b>Description:</b>	Laser-cut garden sheds x2
<b>Price:</b>	£5
<b>Era:</b>	Any

## 'OO' GAUGE

### 4Ground laser-cut fencing

4Ground's range of laser-cut card kits is bolstered by this fine pack of 4mm scale wrought iron spear point railings and gates. Packs contain three frets of laser-cut card parts consisting of 13 86mm lengths of fencing together with a selection of single and double gates. Precision cut and standing 14mm high, all parts are pre-painted black and can also be cut to size. Simple and effective. (MC)



#### THE DETAILS:

<b>Manufacturer:</b>	<a href="http://www.4groundtrackside.com">www.4groundtrackside.com</a>
<b>Cat No:</b>	OO-TE-124
<b>Description:</b>	Wrought iron spear point railings with gates
<b>Price:</b>	£9
<b>Era:</b>	Any

## 'OO'/O' GAUGE

### Posters to shout about

New from Hollar Models are these packs containing miniature Metal Box and Ribble Cement wagon posters. Available in 4mm and 7mm scales, these new posters represent the full-size versions applied to some BR vans and containers carrying both companies'

products in the 1950s and 1960s. Computer-printed on self-adhesive labels, each 7mm scale pack contains 15 posters while the 4mm scale packs contain 38 Ribble Cement and 40 Metal Box posters respectively. Neatly printed and simple to use. (MC)

#### THE DETAILS:

<b>Supplier:</b>	<a href="http://www.parksidedundas.co.uk">www.parksidedundas.co.uk</a>
<b>Cat No:</b>	HR19/HR20
<b>Description:</b>	4mm Ribble Cement/Metal Box wagon posters
<b>Cat No:</b>	HR719/HR720
<b>Description:</b>	7mm Ribble Cement/Metal Box wagon posters
<b>Price:</b>	£3 per pack
<b>Era:</b>	4/5



# GWR Collett 'BOW-END' COACHES

Hornby's eagerly awaited 'OO' gauge Great Western Railway Collett 57ft 'bow-ended' corridor coaches arrived in February – but are they worth the wait? **MARK CHIVERS** takes a closer look.

**T**HESE distinctive carriages were introduced from 1925 for use on the Great Western Railway's (GWR) main line express passenger services and remained in use until the mid-1960s. A few survived into departmental use beyond that date. Riding on distinctively short 7ft single bolster bogies they brought a new level of comfort to long-distance services and even considered the needs of apprehensive passengers passing between carriages while on the move with a reduction in the depth of the corridor connections.

Built at the GWR's Swindon Works, the 'bow-ended' stock catered for left and right-hand corridor versions of vehicles enabling trains to be marshalled so that the interior corridor orientation could be kept the same throughout the formation.

Announced in mid-2015 (HM97) Hornby's new range features five different carriage designs including a Diagram 95 four-compartment Corridor Brake Third (BTK) with right-hand corridor, Diagram 95 four-compartment BTK with left-hand corridor, Diagram C54 Corridor Third (TK), Diagram E127 Corridor Composite (CK) with right-hand corridor and Diagram E127 CK with left-hand corridor. Each of the new coaches is available in 1930s GWR chocolate and cream and 1950s BR carmine and cream.

For review we received a sample of each vehicle type. They boast a wealth of separately applied detail

and exquisite decoration. Close inspection reveals individual door handles and handrails together with crisply moulded hinges and doorstops. Accurate vestibule ends feature moulded steps, conduit, separate pipework, painted vestibule door plus neatly moulded corridor connections and supports. Fine cantrail guttering which extends slightly, as it should, at each end of the vehicles is also modelled.

The roof has crisply moulded panel lines, roof ventilators, carriage destination board fittings and four finely moulded roof handrails used by staff when changing the destination boards. These were a later arrangement, the build originally featuring two longer grab rails mounted centrally.

Hornby's attention to detail extends to the correctly oriented corridors on the BTK and CK models

which enables an authentic rake to be assembled with guard's compartments correctly set at each end and the interior corridor running on one side throughout.

Decoration is sublime on all versions with an evenly applied satin paint finish in GWR chocolate and cream or BR carmine and cream. The GWR models also feature a white roof, double gold and black lining, gold painted handles and





## THE DETAILS

<b>Manufacturer:</b>	<i>www.hornby.com</i>
<b>Cat No:</b>	R4679
<b>Description:</b>	GWR Collett 57ft Corridor Third 4548, GWR chocolate and cream
<b>Cat No:</b>	R4680
<b>Description:</b>	GWR Collett 57ft Corridor Brake Third (R/H) 5131, GWR chocolate and cream
<b>Cat No:</b>	R4681
<b>Description:</b>	GWR Collett 57ft Corridor Brake Third (L/H) 5132, GWR chocolate and cream
<b>Cat No:</b>	R4682
<b>Description:</b>	GWR Collett 57ft Corridor Composite (L/H) 6520, GWR chocolate and cream
<b>Cat No:</b>	R4683
<b>Description:</b>	GWR Collett 57ft Corridor Composite (R/H) 6519, GWR chocolate and cream
<b>Cat No:</b>	R4684
<b>Description:</b>	BR Collett 57ft Corridor Third W4857W, BR carmine and cream
<b>Cat No:</b>	R4685
<b>Description:</b>	BR Collett 57ft Corridor Brake Third (R/H) W5091W, BR carmine and cream
<b>Cat No:</b>	R4686
<b>Description:</b>	BR Collett 57ft Corridor Brake Third (L/H) W5092W, BR carmine and cream
<b>Cat No:</b>	R4687
<b>Description:</b>	BR Collett 57ft Corridor Composite (L/H) W6030W, BR carmine and cream
<b>Cat No:</b>	R4688
<b>Description:</b>	BR Collett 57ft Corridor Composite (R/H) W6029W, BR carmine and cream
<b>Price:</b>	£39.99 each
<b>Scale:</b>	'OO'
<b>Era:</b>	3 and 4/5
<b>Couplings:</b>	Small tension locks in NEM pockets



**Hornby's new Collett 'bow-end' carriages have been released in BR carmine and cream and GWR chocolate and cream liveries. Detailing is excellent throughout.**

'mahogany' or Indian red droplights. The BR era models feature a grey roof and lined cream band sandwiched between the upper and lower carmine body colour. Crisply printed lettering, numbers, class designations, smoking/no smoking window labels and, on the pre-nationalisation models, GWR coat of arms complete the handsome appearance. The underframe is well defined

with plenty of rivets, full length running boards, truss frames, battery boxes, dynamo, brake reservoir, accurate bogies and brake shoes in line with the wheels. It also features turned metal disc wheels in the 7ft bogies and separately fitted tie bars between the axleboxes.

Small tension lock couplings in NEM pockets are fitted as standard while a separate pack containing a pair of Hornby's

close couplers, two plain carriage destination roofboards and two different vestibule end boards is also included with each vehicle. We did note that some of the NEM pockets were a tight fit for the coupling shanks on our samples.

Each model is nicely weighted and ran freely whilst on test although there was a slight tendency for 'bounce' between vehicles when fitted with standard tension locks.

This was easily remedied using the supplied close couplers. Combined with the addition of the corridor connection covers these alternative couplings offer a slim gap between vehicles.

These new Collett 57ft 'bow-ended' carriages provide the perfect accompaniment to the manufacturer's recent 'King' 4-6-0 and offer an attractive new choice of GWR/WR rolling stock. (MC)



'OO' GAUGE

# New LMS identity for

**THE DETAILS**

<b>Manufacturer:</b>	www.bachmann.co.uk
<b>Cat No:</b>	31-480
<b>Description:</b>	LNWR 'Super D' 0-8-0 9376, LMS black
<b>Scale:</b>	'OO'
<b>Price:</b>	£119.95
<b>Era:</b>	3
<b>DCC:</b>	DCC ready, 8-pin socket
<b>Couplings:</b>	Small tension locks in NEM pockets

**T**HE LNWR 'Super D' is a fabulous looking locomotive. Its eight-coupled chassis gives it a unique place amongst ready-to-run locomotives, for the time being at least, and it oozes character.

The Bachmann model of this popular design has been in the 'OO' gauge range for several years now with the first arriving in 2008. This is a new version of the model which, while externally and internally identical to previous releases, has a new running number.

Our sample is presented in LMS black as 9376 with a Buxton (9D) shedcode on the smokebox door. Also due for release is 49106 in



BR black with late crests and a weathered finish (Cat No. 31-481). Our sample matched the high standard of the first

releases with a quality finish and fit to all parts throughout. 9376 is fitted with a tender back cab too. The detail pack supplied with the model contains guard irons for the front as well as brakepipes with the only obstruction at the front being the low hanging

NEM coupling pocket which we removed by pulling it out of the chassis block for photography. On the track this sample performed superbly and quietly throughout the speed range without any hesitation. The eight-coupled chassis has plenty

'OO9' GAUGE

# Glyn Valley carriages for 'OO9'



Peco has added a trio of new narrow gauge carriages to its growing 'OO9' ready-to-run range



offering two vehicles based on Glyn Valley Tramway (GVT) vehicles and a freelance brake.



All are based on four wheel chassis and feature plastic wheels and narrow gauge 'hook' couplings.

The three vehicles are smartly turned out in matching GVT green livery with white roofs and

# 'Super D'



of flexibility and comfortably negotiated curves as tight as second radius. Our tests were carried out with a 20 wagon van train – a load which was little challenge to the powerful chassis. For those planning on a digital decoder a 21-pin decoder socket

is provided in the tender together with pre-drilled sound outlet holes for digital sound installations.

The 'Super D' really is a super model and one which has plenty of character and for the LMS modeller this is a must-have new addition. (MW)

## THE DETAILS

<b>Manufacturer:</b>	<a href="http://www.peco-uk.com">www.peco-uk.com</a>
<b>Cat No:</b>	GR-500 (enclosed coach), GR-520 (open side coach), GR-530 (enclosed brake)
<b>Description:</b>	Glyn Valley Tramway and freelance narrow gauge four-wheel carriages
<b>Price:</b>	£24.75 each
<b>Era:</b>	2
<b>Couplings:</b>	'OO9' hook couplings

window surrounds. The quality of the mouldings is excellent with each vehicle having a crisp outline and basic interior detail – rather like the prototypes would have been, basic! A useful feature is that the roof of each coach is left loose making the addition of passengers 100% straightforward.

Peco's introduction of narrow gauge ready-to-run rolling stock is excellent news but, partly due

to the smaller market for this type of stock, the models do come at a price. The £25 price tag for these vehicle may come as a shock for some – and for us they should really have metal wheels at this price – but when you want something different it will always come at a higher price.

These attractive new models are available now from Peco retailers. (MW)

## 'HO' GAUGE

# Vollmer chimney 'STACKS UP'

Ideal for industrial applications is this 'HO' scale chimney stack from Vollmer. Moulded in pre-coloured red plastic, the kit is supplied on two sprues containing the chimney and base sections. The bricks are neatly moulded with sufficient depth for mortar to be represented when painting the structure. All parts fit together well, with the completed tapered chimney measuring 276mm in height. A white Esso waterslide transfer is also included for use if required. (MC)



## THE DETAILS:

<b>Supplier:</b>	<a href="http://www.goldenvalleyhobbies.com">www.goldenvalleyhobbies.com</a>
<b>Cat No:</b>	VOL 46017
<b>Description:</b>	Chimney
<b>Price:</b>	£7.70
<b>Era:</b>	4-9

# MIXING IT UP

Finescale Model World's range of modelling materials includes this useful pack of ten mixing pots.

Ideal for use with paints or glue, each 25ml pot is moulded in clear plastic and suitable for use with most liquids, including acrylic or enamel paints. Handy and available now. (MC)



## THE DETAILS

<b>Supplier:</b>	<a href="http://www.finescalemodelworld.co.uk">www.finescalemodelworld.co.uk</a>
<b>Description:</b>	Mixing Pots (x10)
<b>Scale:</b>	Any
<b>Price:</b>	£1.49

## 'OO' GAUGE

# Land Rover FT6

New to the Oxford Fire range of 1:76 scale diecast vehicles is this Land Rover FT6 Carmichael Redwing appliance in Army Fire Service (AFS) red. First introduced to the AFS in the 1960s, these four-wheel drive vehicles were ideal for use in all terrains and carried a 140gallon water tank.

This new release carries the standard AFS red livery. Cleverly, the lower half of the model is

diecast metal while the upper half is plastic, incorporating flush glazing. Decorated to a high standard, this is another fine model from Oxford Diecast. (MC)



## THE DETAILS:

<b>Manufacturer:</b>	<a href="http://www.oxforddiecast.co.uk">www.oxforddiecast.co.uk</a>
<b>Cat No:</b>	76LRC004
<b>Description:</b>	Land Rover FT6 Carmichael, Army Fire Service
<b>Price:</b>	£8.95
<b>Era:</b>	5/6

# BR's Class 73

## ELECTRO-DIESEL

*Despite its considerable third-rail electrified system the Southern Region had a large number of yards and secondary lines that were 'off the juice' and to work these a unique and special type of locomotive was needed. With the recent arrival of the new Dapol 'OO' gauge Class 73, **EVAN GREEN-HUGHES** looks back at the class' history.*

**E**LIMINATION of steam traction in the south of England presented British Railways with somewhat different problems than in the rest of the country. In that region modernisation had already been in progress for many years with the result that more than half of the route mileage was equipped with third-rail electrification and the majority of suburban passenger services were already being worked by Electric Multiple Units (EMUs).

The remaining steam locomotives were mainly used on long-distance express and freight work, with goods trains using yards and sidings that were beyond the reach of the electrified network. Any replacement for steam would have to be capable of working these yards but while diesel was the obvious choice it made little sense for them to spend most of their

time hauling trains over electrified lines.

In an effort to find a solution to this problem the Southern Railway constructed a small number of electric locomotives in 1941 fitted with a pantograph enabling them to collect current from overhead tramway-style wiring. This idea was copied by British Railways in 1958 with a further batch of electrics, Class 71, but it was found that the cost of providing and maintaining miles of overhead wiring just to service small goods yards was prohibitive and a new solution would have to be found.

### FIRST THOUGHTS

Initial proposals were drawn up in the early 1950s for a locomotive that would be capable of operating on the electrified system and have a small diesel engine incorporated too, enabling it to access yards and sidings. This was originally envisaged as >>



The Gatwick Express service was one of the last bastions of Class 73 passenger haulage on the third-rail network. On October 10 1996 73210 Selhurst passes Clapham Junction with a London Victoria-Gatwick Airport express. [Brian Stephenson](#).



Right: Network SouthEast  
73129 approaches  
Tonbridge station with  
the 1.10pm mail train for  
Willesden on October 28  
1994. Brian Stephenson.



Below: Class 73 electro-  
diesel 73101 *The Royal  
Alex* rounds the curve from  
Charing to the A20 road  
bridge at Westwell Leacon  
with the VSOE British  
Pullman train conveying  
passengers from London  
Victoria to Folkestone  
Harbour for Venice in 1997.  
Brian Stephenson.



a centre-cab mixed-traffic design of limited haulage capability and was promoted as a regional project. By the time finance was actually authorised by the British Transport Commission the locomotive had grown to become a fully-fledged twin-cab machine with a narrow profile body which would enable it to be used on all routes, including that to Hastings (where the width was restricted by narrow tunnels), and with a power output comparable with a mid-range mixed traffic steam engine.

The first six locomotives were built at British Railways' own Eastleigh works and contained a number of unusual features enabling them to work on two power sources. Each was equipped with a four-cylinder English Electric power unit supplying a generator which then provided electric current to drive the train for use when there was no third-rail available. When collecting current from the third-rail conventional resistance and series/parallel control was used with the current passing directly to the traction motors, meaning that the diesel engine could then be switched off. The driver had two sets of controls one above the other and one for each type of traction which

could be selected merely by returning both to the off position. An air system was also provided that could lift the collector shoes from the third-rail when required.

Many of the components were selected from those already in use. The engine was similar to that used in the 'Thumper' Diesel-Electric Multiple Units some five years earlier while the bogies were essentially the same as the power bogies on the 4-REP and 4-VEP EMUs, although with modified springing to take account of the extra weight involved. Likewise, the traction motors used were interchangeable with those used on the 4-REPs.

The first locomotive was numbered E6001 and emerged in plain light green livery with half-height yellow warning panels in February 1962. Following official inspection, it was sent for trials and was generally very successful. Subsequent locomotives from this batch were turned out in the same colour but with a grey stripe at the bottom of the body and without the yellow warning panel. Standard coach style oval buffers were fitted and, perhaps with an eye on future work, Pullman-style rubbing plates were also fitted.

## THE UPGRADED FLEET

Following the success of the first batch of locomotives an order was placed for a production batch of 43. These were built at English Electric's Vulcan Foundry at Newton-le-Willows. Some improvements were made in the light of experience with the pilot batch, including changing the gearing so that a top speed of 90mph was possible rather than the 80mph of the earlier engines.

Changes were made in the arrangements for providing air for the traction motor blowers as in the prototype batch this had been taken from within the locomotive body which tended to cause draughts and so the system was modified so that air came instead from filters in the bodyside. Arrangements were also made so that the locomotive's diesel engine could be started remotely from any EMU to which it was coupled. The second batch also had fewer jumper cables on the cab ends as it had been found possible by this time to use one set of cables to operate either 70v or 110v systems instead of having to provide separate arrangements for each type.

This second batch was outshopped from new in British Rail matt blue livery with half

**A trio of Class 73s carrying three different liveries pass Chart Leacon, Ashford, on October 26 2009 hauling a Network Rail tamper. 73212 is in Network Rail yellow, 73208 Kirsten wears BR blue and 73204 Janice carries GB Railfreight blue and orange. Brian Stephenson.**



## BR CLASS 73 FACTS AND FIGURES

<b>Original classification:</b>	JA/JB
<b>Number series:</b>	E6001-E6006 (73001-73006) E6007-E6049 (73101-73142)
<b>Builder:</b>	BR Eastleigh (E6001-E6006) EE Vulcan Foundry (E6007-E6049)
<b>Route availability:</b>	6
<b>Introduced:</b>	1962-1967
<b>Withdrawal:</b>	Some still in service
<b>Wheel arrangement:</b>	Bo-Bo
<b>Electrical system:</b>	Third-rail, 660v-750v DC
<b>Engine (original):</b>	English Electric 4SKRT Mk II
<b>Cylinders:</b>	Four
<b>Power:</b>	1,600hp (electric) 600hp (diesel)
<b>Traction motors (as built):</b>	EE542A (E6001-E6006) EE546/1B (E6007-E6049)
<b>Train heating:</b>	Electric
<b>Brakes (locomotive):</b>	Air
<b>Brakes (train):</b>	Vacuum, air and electro-pneumatic
<b>Maximum tractive effort (electric):</b>	42,000lbs (E6001-E6006) 40,000lbs (E6007-E6049)
<b>Maximum tractive effort (diesel):</b>	34,100lbs (E6001-E6006) 36,000lbs (E6007-E6049)
<b>Length:</b>	53ft 8in
<b>Width over cabs:</b>	8ft 8in
<b>Weight:</b>	75ton 2cwt
<b>Wheel diameter:</b>	3ft 4in
<b>Maximum speed:</b>	80mph (E6001-E6006) 90mph (E6007-E6049)
<b>Fuel capacity:</b>	340gallons
<b>Total built:</b>	49



Brand new 'JB' E6029 has just uncoupled from a special boat train at Folkestone Harbour for the Locomotive Club of Great Britain and Railway Magazine from London Victoria on May 15 1966. Having moved off the third-rail section, the locomotive is now operating from its 600hp diesel engine only. Brian Stephenson.



73212, freshly painted in GBRF livery, has just passed Charing with a Network Rail test train on May 20 2010. GBRF is currently the largest user of Class 73s on the main line network. Brian Stephenson.

height yellow end panels. The first few also had the grey stripe at the bottom of the body, although this was dropped at some point during production. These locomotives were also fitted with large round Oleo buffers.

Despite the original intention to use the electro-diesels mainly on freight the class soon began to be considered as a maid of all work which due to its control system could be used in conjunction with other locomotives, with EMUs or with hauled stock. Duties included hauling conventional trains of Mk 1 stock on services from London to Brighton as well as numerous parcels, internal and inter-regional freight workings. The electro-diesels also proved particularly useful on boat trains as they could work unaided right into the docks using their diesel engines. While largely successful the class did seem to suffer from a large number of fires with several damaged during their lifetime from this cause.

### VARIED DUTIES

The 73s worked on relatively uneventfully for many years, although as traditional freight work dried up they found themselves more often than not employed on passenger and parcels work. TOPS numbers were applied in 1974 with the first batch taking 73001-73006 and the production series 73101-73142. By this time many of the differences between the two batches had been eliminated as the original locomotives had by now had their air systems updated and had had Oleo style buffers fitted.

In 1984 a sub-fleet was created for use on Gatwick Express services where they worked at one end of a rake of Mk 2f coaches with a converted Class 414 driving coach at the other end in push-pull mode. These trains proved particularly useful when there were issues with the third-rail as there was sufficient power in the Class 73's diesel engine to keep the train on the move, although not at normal speeds.

At privatisation the bulk of the '73s', with the exception of the Gatwick Express fleet, passed to English Welsh & Scottish Railway (EWS) but these were soon set aside in favour of more modern motive power. As a result several passed into other hands. Eurostar acquired two which it fitted with special couplers to enable them to rescue or shunt its

Class 373 EMUs, FM Rail bought some for further use, Merseyrail had four used for shunting and on departmental trains, South West Trains used the class as rescue locomotives while Network Rail had three for use on engineering trains. Some others went into preservation. Most of these had fairly short second lives and with the withdrawal of the Gatwick Express fleet in 2005 it seemed as if the Class 73 story was coming to an end.

### A SURPRISE REBIRTH

However, in the last few years two competing schemes have got under way for full refurbishment and further use for these versatile locomotives. RVEL of Derby is rebuilding some by removing the original

engine and fitting two 750hp Cummins engines, meaning that 1,500hp will be available in diesel mode while Brush Traction at Loughborough are undertaking a similar exercise but in this case fitting a single MTU 1,600hp V8 engine. Such is the advance in diesel engine technology that even with an additional 1,000hp available the new power units weigh almost three tons less than those that they have replaced. During the rebuild process all locomotives are being completely dismantled and refurbished. In this form some are due to take over the working of the Anglo-Scottish 'sleeper' trains in Scotland for GB Railfreight.

Several examples of Class 73 are also at work on our heritage railways in their original form with all three first-built locomotives being in preservation. 73001 is a resident of the East Lancashire Railway, 73002 is heavily stripped at the Dean Forest while E6003 is at the Swindon and Cricklade Railway. Five others are at various sites around the country, although all are now reliant on the power from their small diesel engines as there is no third-rail in the preservation world.

The Class 73 was an innovative answer to a particular Southern Region problem and produced a very versatile locomotive that found many uses even after most of its intended work had dried up.

That we will shortly see them working 'sleeper' trains in the West Highlands more than 50 years after their first appearance south of the Thames says a great deal about the sound design of the original and we look forward to being able to enjoy them both in preservation and on the main lines for many more years to come. [RVEL](#)

*"Proposals were drawn up in the early 1950s for the electro-diesel."*

EVAN GREEN-HUGHES

# **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)



# Cobalt iP digital

**525,000 plus changes and still going...  
counted on its own internal switches!**

**A look behind the scenes @DCCconcepts:**

Every time we produce a batch of Cobalt motors, we take random samples from the batch and test them until they no longer work perfectly!

What's more, while that is of course important, we don't just test them for reliable changing... We count all our tests two ways, watching both the commands to change sent from the Tester AND reading the feed-back from Cobalts own on-board S.P.D.T. switches.

We also analyse every single test, trying to make every Cobalt motor a little better every single time...

The result? Cobalt tests now exceed 500,000 changes per test... with little no change in the operating quality

**So why are Cobalt iP Digital and Cobalt iP Analog so reliable?**

- Tooling is replaced before it wears and the case is made from super-stable plastics
- Gearing is made from really long-life engineering plastics created for gearing use.
- We use Gold plated Phosphor-bronze contacts & we harden switching PCB tracks for low wear.

**So - What does such high reliability mean for YOU? We think it means a lot!**

**An example? we offer a lifetime warranty: However - What's it worth unless we know what a lifetime may be?** In the case of Cobalt iP we now KNOW that the average Cobalt iP turnout motor, Digital or Analog will out-last us all as the tests we put them through equal more than 200 years "On-layout" use...

**So our LIFETIME warranty is a real benefit to YOU: We like that!**

Cobalt point motors & all other DCCconcepts products are distributed world-wide by DCCconcepts Pty. Ltd  
3/13 Lionel St, Naval Base WA 6165 Australia P+61 8 9437 2470 F+61 8 9437 2471 [www.dcccconcepts.com](http://www.dcccconcepts.com)

DCCconcepts welcomes Retailer & Distributor enquiries. In the UK, DCCconcepts products are distributed by Gaugemaster Controls Ltd., Ford Rd, Arundel BN18 0BN Ph. +44 1903 884 488 [www.gaugemaster.com](http://www.gaugemaster.com)





48th Annual



# BRISTOL MODEL RAILWAY EXHIBITION 2016

THORNBURY LEISURE CENTRE, ALVESTON HILL, Thornbury, BRISTOL, BS35 3JB

## Advanced ticket Prices

Adults £6.50.  
Young Adult (12 - 16) £4.00.  
Children FREE!

Parkway Show bus tickets £4.00 return  
(Accompanied Children under 12 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 23rd April 2016 or in person at Modelmania, Bristol Cheltenham Model Centre Lord and Butler, Cardiff



## BIGGER SHOW! NOW IN THREE HALLS!

Friday 29th April 1pm - 7pm  
Saturday 30th April 10am - 6:30pm  
Sunday 1st May 10am - 5pm

FREE PARKING at Leisure Centre, Thornbury 6 miles from junction 15, M5, M4 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



## HORNBY SPECIAL PUBLICATION

In this brand new Weathering Skills Guide Mike Wild and Tim Shackleton delve into the world of weathering for a second volume offering more than 20 hands on projects, advice for getting started, a buyers guide for airbrushes, essential maintenance. This 132-page special magazine covers all the tips and techniques you will need to develop your own weathered models in scale from 'N' to 'O' gauge and including a wide range of subjects from both the steam and diesel eras.

### Features include:

- Airbrush buying guide
- Airbrush maintenance
- Weathering Hornby's Gresley 'P2' 2-8-2
- Weathering box vans
- Prototype inspirations
- Weathering merry-go-round trains
- Weathering a Graham Farish Stanier 'Duchess' 4-6-2
- Weathering freight engines
- Weathering BR blue era locomotives

£6.99 • FULL COLOUR • 132 PAGES

VOLUME TWO

ORDER DIRECT

# JUST £6.99 + 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

198/16

SUBSCRIBERS CALL FOR YOUR £1.00 DISCOUNT!

# This month's **OXFORD** New Releases

1:72



DH4 - 202 Sqn. RFC, Belgium 1918  
AD006 1:72

Hawker Hurricane Mk1 - Naval Air Service, 880 Sqn. 1941  
AC059 1:72

DH Tiger Moth XL 714 - HMS Heron Flight, RN  
72TM008 1:72

Percival Proctor MkV  
G-AKIU - Classic Air Force  
72PP001 1:72

**NEW tooling!**

DH Puss Moth G-ABXY - The Heart's Content  
72PM005 1:72

Bristol F2B Fighter - 11 Sqn. RFC, 1917  
AD005 1:72

1:76



DAF 2800 Tipper - Alfred Hymas  
76D28002 1:76

ERF EC Olympic Fridge Trailer - John Mackirdy  
76EC002 1:76

Scania Highline - Eddie Stobart - Luke Morris  
76SHL13WF 1:76

Fowler Steam Roller - No 19053 'Patricia B'  
76FSR004 1:76



Scania Irizar PB - Bullocks  
76IRZ006 1:76

Land Rover FT6 Carmichael - Army Fire Service  
76LRC004 1:76

Bedford OY Rescue Vehicle - Civil Defence Corps  
76BD019 1:76

Morris J2 Minibus - British Army HQEC  
76JM022 1:76

AEC Matador Wrecker - British Army  
76AEC018 1:76



Austin Tilly - RAF Blue  
76TIL010 1:76

Morris Minor Traveller - Smoke Grey  
76MNT009 1:76

Land Rover Discovery 4 - Baltic Blue  
76DIS004 1:76

Austin 1300GT - Flame Red  
76AUS002 1:76

Caravan - Cream/Brown  
76CV003 1:76

Tricycle Van - Ambulance  
76TV007 1:76

1:148



Scania Irizar PB - Eddie Stobart  
NIRZ004 1:148

1:43



Bentley MkVI - Brewster Green/Black  
BN6003 1:43

Jaguar XK150 Coupé - Bluebird Blue - D Campbell  
JAGXK150006 1:43

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

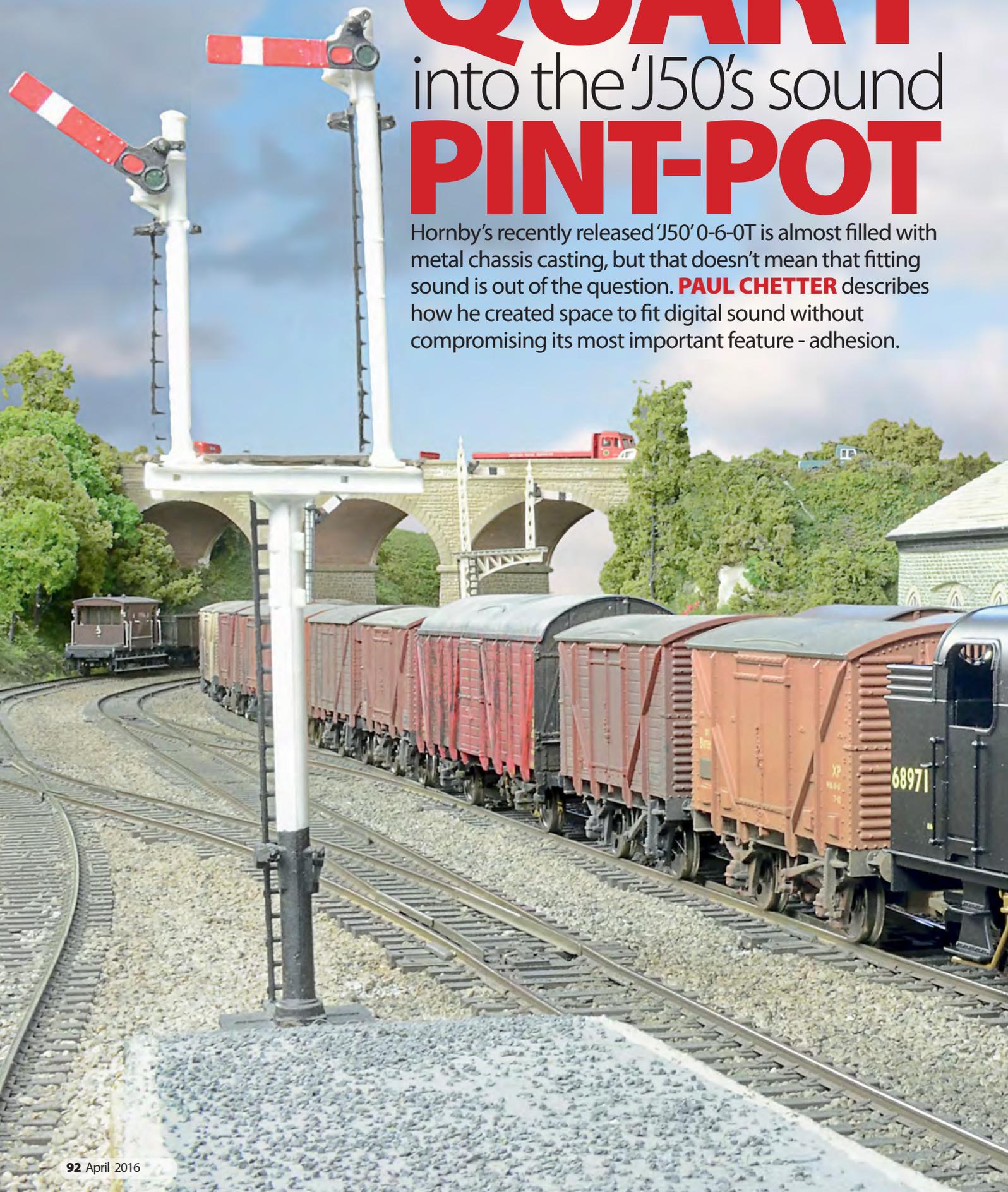
**OXFORD** 

Precision die-cast scale engineering  
at surprisingly inexpensive prices

Fitted with a Zimo MX648 and a 15mm x 10mm sugar cube speaker the Hornby 'J50' now sounds as good as it looks. All the modifications are internal leaving no visible signs of the new components within.

# Fitting a **QUART** into the 'J50's sound **PINT-POT**

Hornby's recently released 'J50' 0-6-0T is almost filled with metal chassis casting, but that doesn't mean that fitting sound is out of the question. **PAUL CHETTER** describes how he created space to fit digital sound without compromising its most important feature - adhesion.



**H**ORNBY designed a heavy chassis for its new 'J50' 0-6-0T incorporating forward and rear integral ballast weights to endow this model with good adhesion and electrical pick-up. This strategy has been successful as it is a smooth running and powerful model as we came to experience during our review testing (HM104).

For the sound installer there are two challenges which this strategy raises. The first is identifying where free space can be found for a decoder and speaker. Secondly, the very tight tolerances between the body and chassis with its moulded ballast means that what might at first seem to be usable wiring routes are in fact pinch-points which might endanger the integrity of any wires trapped in them. This close fitting design also means that the chassis grips the body so that separating them after releasing the fixing screws can require a little more force than is generally the case, but there are no hidden locating tabs to worry about.

Short wiring runs between components located as closely as possible to each other are usually the way to overcome such challenges. The current range of small format decoders and compact speakers can be a useful ally too and that is what make this installation perfectly possible – a combination of small components.

#### WHAT WE USED

PRODUCT	SUPPLIER	PRICE
Hornby 'J50' 0-6-0T	<a href="http://www.hornby.com">www.hornby.com</a>	£79.99
Zimo MX648 sound decoder	<a href="http://www.digitrains.co.uk">www.digitrains.co.uk</a>	£90.00
Zimo 15mm x 10mm x 12mm cube speaker	<a href="http://www.digitrains.co.uk">www.digitrains.co.uk</a>	£8.50
'J50' activedrive sound file	<a href="http://www.digitrains.co.uk">www.digitrains.co.uk</a>	£0.01

#### STARTING BLOCK

Some careful measuring of the usable spaces revealed that Zimo's miniature MX648 would sit comfortably within the footprint of the chassis in the area of the Digital Command Control (DCC) socket. Unfortunately, as is often the case in smaller locomotives, the DCC socket though securely mounted does dissect the largest usable space. Without its presence and that of its support pillars, there would be enough room for a full size cube speaker. There being no easy alternative, I decided to remove the socket and hardwire the decoder. This is often the best route for installation in a tank engine. Taking out the bulk of a decoder socket really does free up a substantial amount of free space for new additions.

As well as abandoning the DCC socket this installation requires the removal of a small amount of metal from the chassis in order to mount the speaker. Whilst this is not a difficult

task, you should be aware that doing so will very likely adversely affect your warranty.

I removed the two screws fixing the DCC socket and removed it. A novel method of connecting the track pick-ups to the decoder socket has been incorporated. A pair of telescopic plungers attached to the socket PCB pass vertically down through insulated channels to the pick-ups below.

I will be monitoring the long term performance of this device, but since the alternative was to remove the keeper plate and solder direct to the pick-ups, I decided to utilise the supplied solution, at least initially.

I cut through the PCB immediately adjacent to the plungers, leaving them connected to each other by a strip of PCB with a hole for the fixing screw. When the decoder's track wires have been soldered on they will be refitted in their original position.

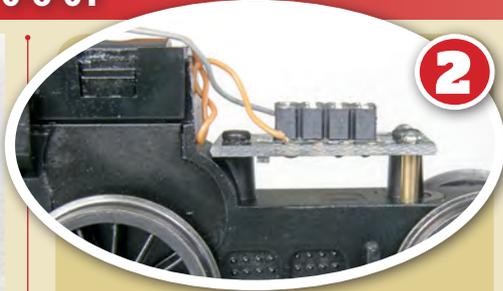
The gap between the supporting pillars »



## STEP BY STEP INSTALLING DCC SOUND IN A HORNBY 'J50' 0-6-0T



**1** As usual, begin by removing the fixing screws, arrowed. The body can be a tight fit but it simply pulls off: there are no additional locating tabs to be concerned with.



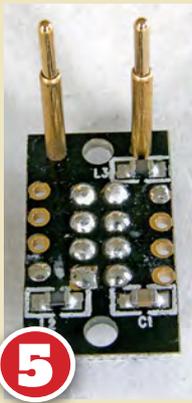
**2** With the body removed from the chassis, the DCC socket, PCB, connecting plungers and support pillars can be seen.



**3** Remove the two screws securing the PCB/DCC socket and lift the assembly upwards without twisting anything.



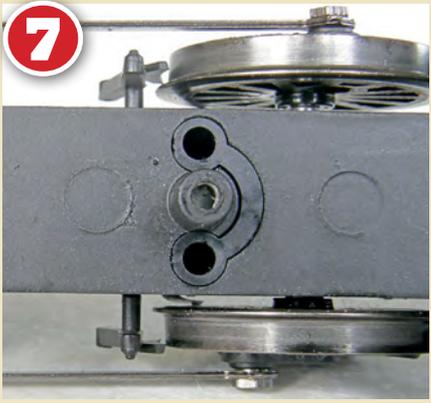
**4** This view of the underside of the PCB shows the plungers deployed to connect track pick-up to the DCC socket.



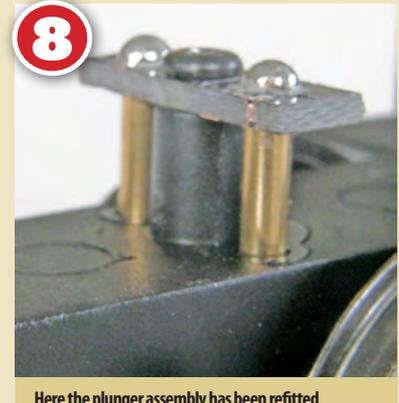
**5** The PCB with wires removed, ready for surgery



**6** Cut through the PCB immediately adjacent to the plungers. Retain the connecting portion of the PCB as it will be utilised in securing the plungers in place.



**7** The plungers pass through these insulated channels to the track pick-up connections below the chassis.



**8** Here the plunger assembly has been refitted temporarily to display its location clearly.



**9** The gap between the original decoder socket support pillars is a little too small to allow the cube speaker to be fitted without modification.



**10** Carefully mask off all but the forward pillar to avoid metal filings contaminating the adjacent geartrain and other moving parts when you file or grind off the metal to achieve a space like this.

is a touch too narrow to allow the cube speaker to be fitted with them both in situ. After carefully masking off all but the immediate area to be worked, I filed off the forward (now unused) pillar.

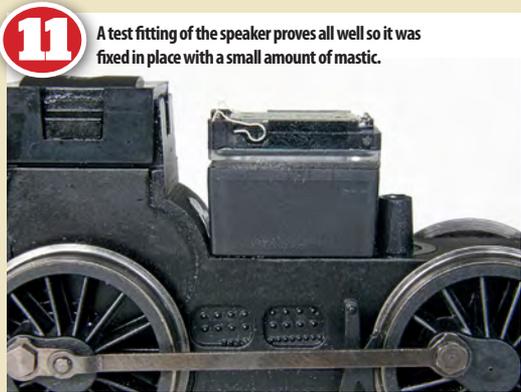
I fixed the cube speaker to the chassis enclosure side down with tiny amounts of mastic.

The thick heatshrink insulation which

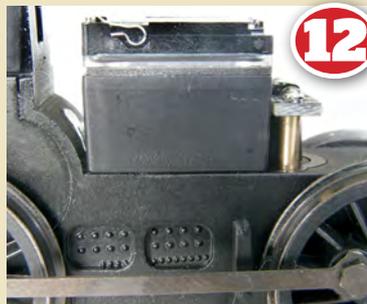
shrouds the MX648 was removed, partially to reduce overall size and partly to allow easy removal of the unused decoder wires, again to reduce bulk. I trimmed the two track, two motor and two speaker wires which remained and soldered these to their respective connections, bar the grey decoder wire which was soldered to the motor's grey wire and insulated.

### REASSEMBLY

I insulated the decoder with Kapton tape and similarly covered the exposed metal parts of the speaker. A small patch of sticky mastic between speaker and decoder secured the latter in the correct position to allow the body to be lowered fully onto the chassis. Check that the body sits without rocking front to back which might be an indication



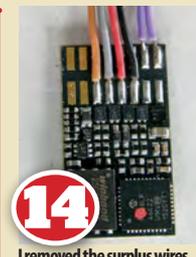
**11** A test fitting of the speaker proves all well so it was fixed in place with a small amount of mastic.



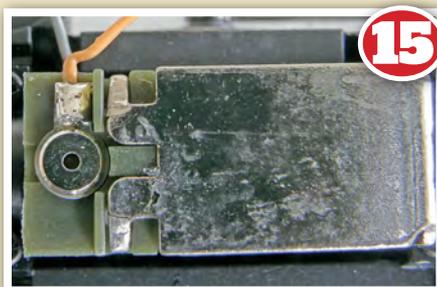
**12** Speaker and plungers fitted in place completes the physical modifications necessary.



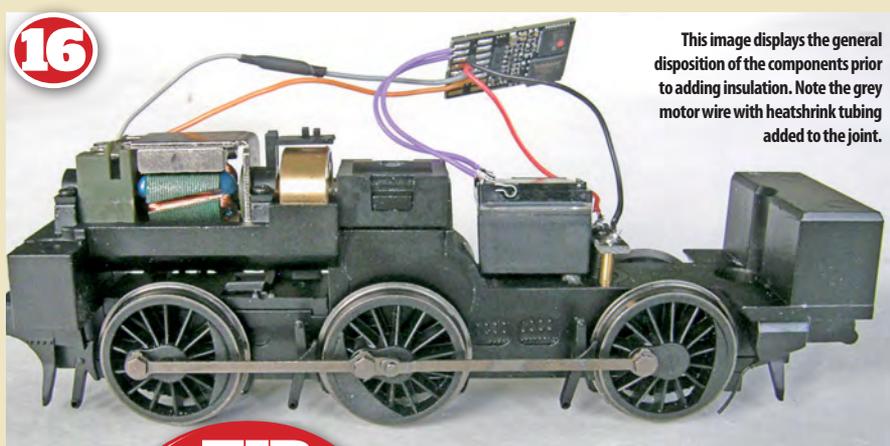
**13** I removed the heatshrink insulation from the MX648 to reduce overall thickness and gain access to the soldered wires.



**14** I removed the surplus wires from the decoder to reduce overall bulk, leaving only the track (red and black), motor (orange and grey) and speaker (purple) wires in place.

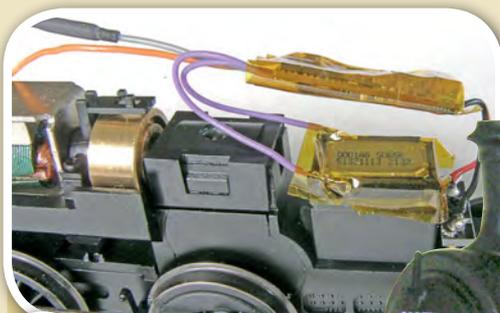


**15** I removed the orange motor wire from the motor and soldered the orange from the decoder in its place. The grey wire, just visible, is fixed to the motor in an enclosed space so I spliced the decoder and motor grey wires together and insulated the joint with heatshrink tubing.



**16** This image displays the general disposition of the components prior to adding insulation. Note the grey motor wire with heatshrink tubing added to the joint.

**TIP**  
 Every millimetre counts. Removing spare wires from the decoder and using kapton tape instead of factory insulation can save space when it is essential.



**17** All the exposed metal parts of the speaker were insulated and the decoder was wrapped with kapton tape so the track pick-up wires 'appeared' at the end opposite to the normal arrangement. This helps to keep things neat and under control during reassembly.

**18** After refitting the body - ensuring that the sand pipe mouldings remain outboard of the coupling rods and replacing the fixing screws - this 'J50' is ready for work.



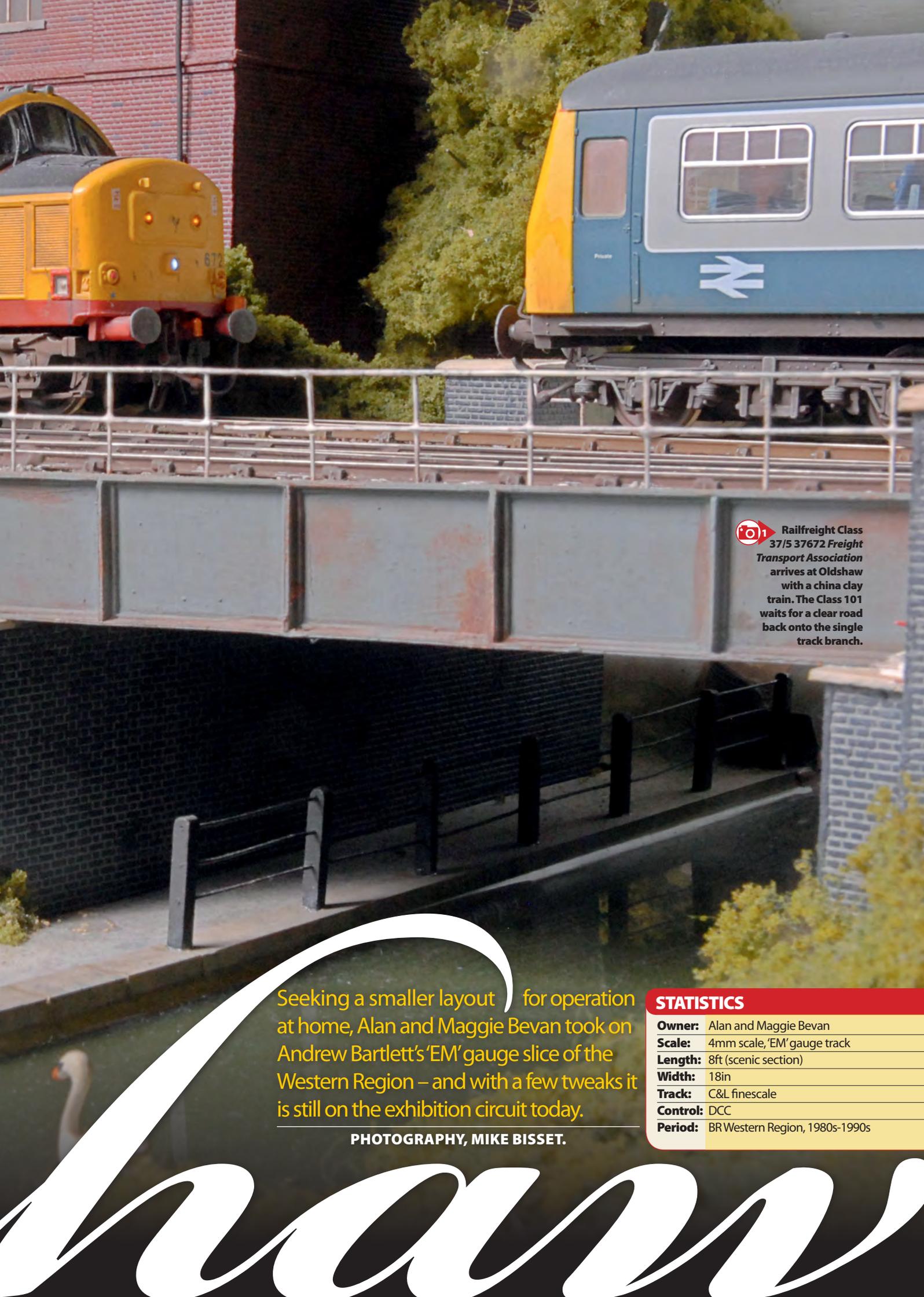
that the decoder or wires may be trapped before refitting the securing screws. The finely moulded sand pipes have a tendency to slip inside the coupling rods during reassembly, so be careful to ease them outside the rods as the body is lowered into position. After passing all running and electrical tests I loaded an 'ActiveDrive' sound project

I created for this model which is now available from Digitrains. This incorporates several new features to enhance realism and operational interest and includes Dynamic Inertia where the way the throttle is operated varies the inertia values and the functioning Brake Key feature. With the installation work completed the 'J50' really comes to life and it is testament

to the design of these aftermarket parts that no external modifications are required to the locomotive in order to accommodate them. Even the removable metal weight designed to be replaced by a decoder has been left in situ allowing this powerful 0-6-0T to retain its full weight. The result is a locomotive which sounds just as good as it looks. [Digitrains](#)



*Olds*



**Railfreight Class 37/5 37672 Freight Transport Association** arrives at Oldshaw with a china clay train. The Class 101 waits for a clear road back onto the single track branch.

Seeking a smaller layout for operation at home, Alan and Maggie Bevan took on Andrew Bartlett's 'EM' gauge slice of the Western Region – and with a few tweaks it is still on the exhibition circuit today.

PHOTOGRAPHY, MIKE BISSET.

#### STATISTICS

<b>Owner:</b>	Alan and Maggie Bevan
<b>Scale:</b>	4mm scale, 'EM' gauge track
<b>Length:</b>	8ft (scenic section)
<b>Width:</b>	18in
<b>Track:</b>	C&L finescale
<b>Control:</b>	DCC
<b>Period:</b>	BR Western Region, 1980s-1990s

www

**A**LAN BEVAN and his wife Maggie from Essex are probably best known for the superb and highly popular exhibition layout Warren Lane. However, like most owners of large layouts they face the problem of not being able to erect and operate it at home due to space limitations.

The frustrations of not having a layout to work on or simply operate prompted Alan to contemplate a new compact layout which would fit his available space. At around the same time however on the other side of the country in Gloucestershire Andrew Bartlett was about to make a radical change in his modelling world. He had built an 'EM' (4mm:1ft scale running on 18mm gauge track) branch line layout to a very high standard but it was not large enough to run the length of trains he desired. He too had space limitations and realised that the only way to run full length trains would be to move down to 'N' gauge. His layout, Oldshaw was advertised for sale.

Back in Essex, the advertisement was seen by Alan and he immediately realised that Oldshaw could be the answer to his own problems. With a scenic length of only 8ft it was the perfect size for his home. It was beautifully modelled and, with some minor alterations, it had the potential to become a stunning exhibition layout in its own right. Alan and Maggie decided to make the purchase and so a little part of the Western Region moved to Essex.



**o2** A Class 50 passes the signalbox at Oldshaw as it arrives light engine.





 A two-car power-twin Class 101 DMU departs Oldshaw. The unit is a rewheelled Lima model.

## WORK OF FICTION

Oldshaw is a fictitious location inspired by photographs taken by Andrew Bartlett while on holiday. It has a definite Western Region theme with the station building based on Arley on the Severn Valley Railway and the signalbox from Frome in Somerset.

The two 4ft x 18in scenic baseboards are of open top quality construction. The outer frames were built from 2in x 2in timber and the high level trackwork is laid on chipboard supported by timber risers.

The 'EM' gauge track is from C&L, which

also provided the kits for the points. These are operated by Peco motors with polarity switches. As originally built the layout was wired with section breaks for analogue operation from a control panel at the front. The layout is lit along the length of the scenic area with lighting units normally used for fish tanks. Once the track had been laid and tested, it was sprayed with track colour and then the ballast was set in place with dilute PVA glue.

The signals are built from MSE parts and operated by Tortoise slow action

motors which although quite bulky are easily adjusted. The motors for the gantry signals are conveniently hidden in the adjacent factory building which has a removable roof for ease of access.

Most of the buildings have been scratchbuilt from Plasticard. The factory has been constructed from 40 thou plastic sheet, well braced to prevent warping. It is finished with an outer layer of embossed Plasticard. This was given a coat of light grey paint to represent the mortar courses and the brickwork was given >>



**Left: A Class 101 ticks over in the platform between its duties on the branch.**

**Right: Class 37/5 37672 enters Oldshaw with a rake of china clay hoods.**

its colour by dry brushing. Individual bricks were picked out in lighter and darker shades to provide variety.

Also built with plastic sheet is the signalbox, which benefits, as estate agents might say, from Great Western pattern windows from Modelex brass frets.

Corrugated and brick embossed plastic sheet provides the outer finish for the other buildings - the station, cottages and small garages. Brass rod has been effectively used for the downpipes on the cottages.

## SCENIC INSPIRATION

Inspired by a book by Barry Norman, Andrew created much of the ground cover with hanging basket liner with added shrubbery from Woodland Scenics. Another book which Andrew would recommend to anyone making trees is the *Ladybird Book of Trees*, which clearly shows the shape and relative sizes of the different species. Andrew's trees were built using wire armatures with the trunks coated with plaster or Milliput and added foliage from Woodlands Scenics.

The water in the canal has a quiet and tranquil feel and has been created by setting clear resin over a base painted with subtle shades of green and brown - a perfect haven for the swans which are carefully painted Dart Castings models. They are set in place with double-sided tape.

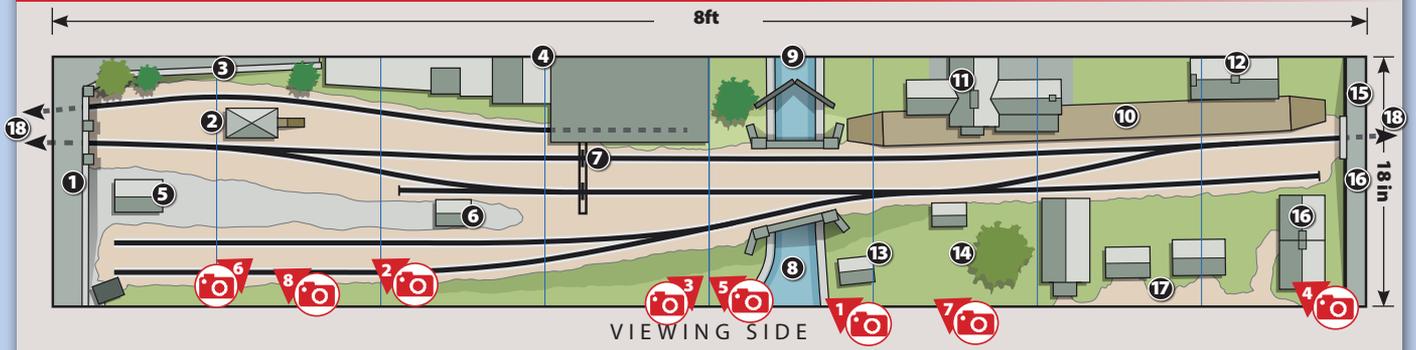
As originally built, Oldshaw was exhibited by Andrew at around ten exhibitions including the last Manchester show to be held at the Co-Op headquarters. Hopefully, when his new 'N' gauge layout is complete he will be back on the exhibition trail to display his undoubted modelling skills.

## NEW OWNERS

When Alan Bevan and Maggie took possession of Oldshaw back in 2013, the first project was to rewire the layout for Digital Command Control (DCC) operation, removing the section breaks to make all the track live. Alan decided that he »



# OLDSHAW TRACK DIAGRAM (NOT TO SCALE)



## KEY

① Road overbridge	④ Factory buildings	⑦ Signal gantry	⑩ Platform	⑬ Pump house	⑯ Semi detached cottages
② Signalbox	⑤ Permanent way hut	⑧ Canal	⑪ Station building	⑭ Oak tree	⑰ Workshops
③ Retaining wall	⑥ Lineside hut	⑨ Lock	⑫ Offices	⑮ Lane	⑱ To storage yard



**06** Sporting work worn Railfreight grey, Class 47/0 47014 waits to depart with a cement working.



**07** Leading a rake of heavily used 16ton mineral wagons, Class 37/5 37674 approaches the station.



would prefer to operate from the rear of the layout rather than the front as before so he changed the front fascia. With just a few minor alterations and additions and a complete set of new trestle supports Alan and Maggie were ready to bring the layout back to the exhibition scene.

In the last two years, Oldshaw has been exhibited at around 15 shows including Stafford, Folkestone, Portsmouth Finescale and Perth. Alan is usually accompanied by Maggie, who is an enthusiastic operator. The couple look upon attending exhibitions with both Warren Lane and Oldshaw as a significant part of their social life and over the years have gained a circle of friends the length and breadth of the country.

Under Andrew's ownership Oldshaw was primarily set in the 1970s and 1980s BR blue diesel era, but Alan and Maggie have taken it forward a decade to reach the late 1980s and early 1990s. This still includes the popular BR blue period, but there are now new liveries on show including Railfreight grey and the 1987 introduced Railfreight triple-grey livery.

Motive power is typical of the area and consists of classes 33, 37, 47 and 50 alongside a Class 101 DMU which provides the passenger service on the branch. Good stock includes china clay, steel and mineral workings assembled from stock both ready-to-run and kit built.

The acquisition of Oldshaw has certainly been a wise decision for them. Not only has it provided another layout to exhibit - it has enabled them to have a home layout to operate and one which provides an ideal test bed for the locomotives Alan converts to 'EM' gauge. [Hobby](#)



 A Class 33 arrives light engine from the Southern Region at Oldshaw.



# -THE GCR- MODEL EVENT

MODEL RAILWAY & ENGINEERING EXHIBITION  
In conjunction with the Soar Valley Model Railway Club

**Fri 17th to Sun 19th June 2016**  
**Over 60 Layouts**

Across all 4 stations along the GCR  
All gauges/scales  
Over 40 traders  
Over 60 layouts  
Demo layouts  
Model Engineering

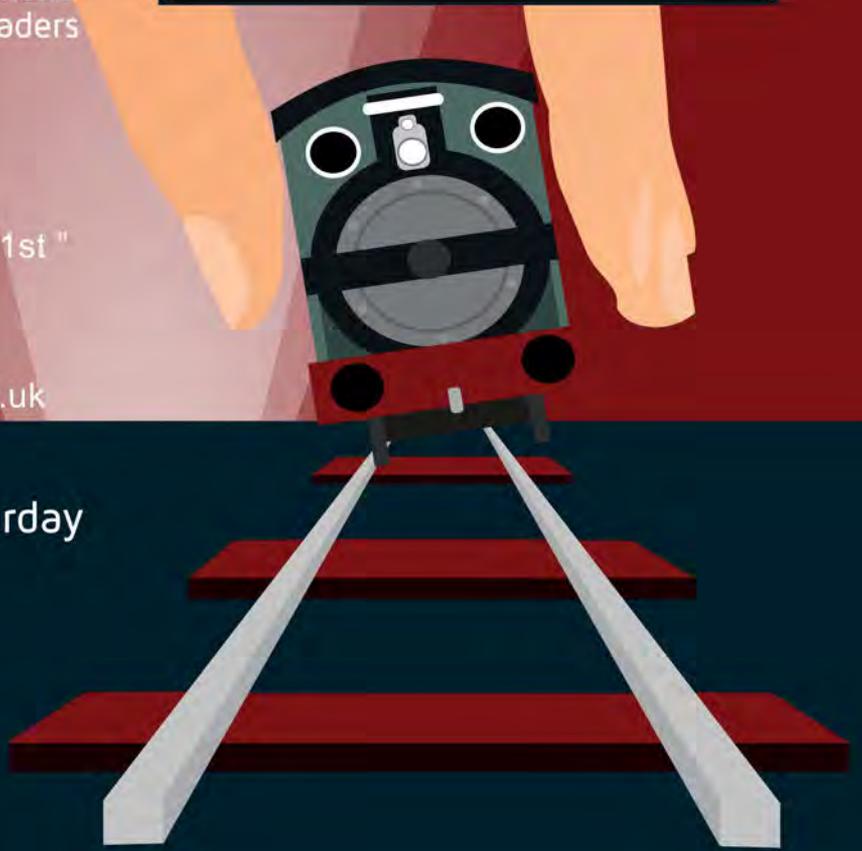
TRAVEL ON THE REAL THING  
BETWEEN STATIONS  
Intensive timetable  
Refreshments available at all stations  
Over 35,000 sqft of layouts & traders

**Advance  
Tickets: £16**

"For Online Booking before May 1st "  
Tickets: £18.00 after May 1st  
Includes all day travel &  
entrance to all exhibition venues  
Book online at [www.gcrailway.co.uk](http://www.gcrailway.co.uk)

**OPEN**  
**10AM - 5PM Friday & Saturday**  
**10AM-4PM Sunday**

Great Central Railway Plc,  
LE11 1RW  
T: +44(0)1509 632323  
[www.gcrailway.co.uk](http://www.gcrailway.co.uk)  
email: [marketing@gcrailway.co.uk](mailto:marketing@gcrailway.co.uk)



# THE HEREFORD MODEL CENTRE

SALES LINE  
01432 352809

EMAIL US ON SALES@HEREFORDMODELS.CO.UK  
www.herefordmodels.com

4 COMMERCIAL ROAD, HEREFORD, HEREFORDSHIRE, HR1 2BB  
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 embellishment 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

- R3324** J50 LNER. **£69.45**
- R3325** J50 BR Early. **£69.45**
- R3326** J50 BR Late. **£69.45**
- 32-880** Fairburn LNER. **£106.20**
- 32-882** Fairburn BR Late. **£106.20**
- 32-390** Class 37 Petroleum Sector. **£101.95**
- R3242A** K1 BR Early. **£116.95**
- R3243B** K1 BR Late. **£116.95**
- 32-381M** Class 37 DRS. **£117.25**
- R3313** 4F LMS. **£87.45**

## HORNBY Steam Locomotives

- R2784X** Mallard. **£85.00**
- R3314** 4F BR. **£87.45**
- R3004** Serlby Hall. **£116.45**
- R3004X** Serlby Hall. **£133.45**
- R2827** Cheltenham Schools. **£94.45**
- R2881** LMS Class 5 Black. **£67.95**
- R2999X** B1 BR Early. **£106.99**
- R3010** Class N15 Sir Sagamore. **£119.45**
- R3017X** BR Patriot. **£119.00**
- R3020** Flying Scotsman. **£126.50**
- R3060** Tornado (Railroad). **£61.45**
- R3118** N2 BR Late. **£74.95**
- R3127** Schools Cl. Cheltenham SR. **£55.50**
- R3169** Olton Hall GWR. **£72.50**
- R3223** BR 42XX. **£105.45**
- R3225** GWR 72XX. **£114.45**
- R3228** J94 NCB. **£65.75**
- R3229** BR British Monarch. **£119.25**
- R3230** LNER Class J1. **£96.45**
- R3238** County of Devon. **£61.25**
- R3242** BR Early Class K1. **£114.25**
- R3276** LMS Compound. **£66.45**
- R3284TTS** Flying Scotsman. **£87.90**
- R3235** D16/3 British Railways. **£100.95**
- R3234** D16/3 BR Early. **£100.95**
- R3233** D16/3 LNER. **£100.95**
- R3303** D16/3 BR Early. **£100.95**
- R3279** County of Hants. **£68.75**
- R3328** S15 BR Early. **£123.99**
- R3329** BR Late S15. **£123.99**
- R3327** SR S15. **£123.99**
- R3381** J15 BR Early. **£96.90**
- R3336** NRM Flying Scotsman. **£149.95**
- R3312** A3 Minoru. **£143.45**
- R3315** Fowler 2P BR Late. **£87.45**
- R3316** Fowler 2P SDJR. **£87.45**
- R3003** B17/6 Barnsley. **£116.45**
- R3003X** B17/6 Barnsley DCC. **£121.95**
- R3318** B17/6 BR Gilwell. **£116.45**
- R3380** J15 LNER. **£96.90**

## HORNBY TRAIN PACKS

- R2696** CL101 - 2 Car. **£65.25**
- R3059** Tornado Train Pack. **£128.45**
- R3219** 1914 GWR Troop Train. **£142.50**
- R3302** Return from Dunkirk. **£229.75**

## HORNBY Diesel Electric Locomotives

- R2508** CL121. **£47.50**
- R3266** Class 60 Subsector. **£133.45**
- R2508A** CL121. **£45.75**
- R2647** CL56 BR Grey. **£72.95**
- R2668** CL121. **£45.75**
- R3161B** SR 2 BIL Green. **£120.60**
- R3180** Tarmac Sentinel. **£44.95**
- R3181** BR Class 56. **£123.95**
- R3246** Class 67 Arriva. **£111.95**
- R3267XS** Class 60 Transrail w/Sound. **£217.75**
- R3268** Class 67 Arriva. **£122.90**
- R3272** Class 67 Royal Sovereign. **£105.95**
- R3281** Class 08 NRM. **£31.75**
- R3283** Bagwall Shunter. **£25.75**
- R3290A** BR 2 HAL Green. **£113.90**
- R3344** Class 31 Yellow. **£142.45**
- R3346** Class 92 DB Schenker. **£70.45**
- R3347** Class 92 EWS. **£71.45**
- R3348** EWS Class 67. **£123.95**
- R3350** Class 90 Schenker. **£61.45**
- R3263** Class 50 Vanguard. **£129.75**
- R3340** BR Green 2-Hal. **£119.75**
- R3353** Sentinel Balfour Beatty. **£49.45**
- R3355** Sentinel Wabtec. **£49.45**

## 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**
- R8206** 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. **£9.75**
- R170** Junction Distant Signal. **£9.75**
- R171** Single Home Signal. **£7.50**
- R172** Single Distant Signal. **£7.50**
- 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

- 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**
- R8008** Suspension Bridge. **£43.55**
- R8009** Station Terminus. **£40.00**

## HORNBY Control Equipment

- R044** Point Switch. **£8.75**
- 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

- 31-001** Robinson BR Late Crest. **£94.99**
- 31-003** Robinson LNER. **£94.99**
- 31-088** BR Black Earl. **£118.95**
- 31-089** GWR Earl. **£118.95**
- 31-127** Class 3000 BR Early ROD. **£118.45**
- 31-128** BR ROD Weathered. **£102.45**
- 31-136DC** D11/2. **£115.9**
- 31-138** BR D11/2 Early Black. **£106.20**
- 31-213DS** Patriot BR Late. **£201.45**
- 31-465** C Class BR. **£93.46**
- 31-500B** V2 Green Arrow. **£85.70**
- 31-527** A2 Tudor Minstrel. **£96.45**
- 31-626A** 3F BR. **£71.25**
- 31-635** Class 64XX. **£71.21**
- 31-636** Class 64XX BR. **£71.21**
- 31-780** Swithland Hall BR Green. **£106.20**
- 31-781** Foremarke Hall BR Black. **£106.20**
- 31-782** Thirlestaine Hall BR. **£114.70**
- 31-783** Fountains Hall BR. **£114.70**
- 31-932DC** BR Compound. **£127.75**
- 31-933** BR Compound Late Crest. **£112.88**
- 31-964** A4 W Whitelaw BR. **£94.45**
- 31-980** BR 3MT Green. **£110.45**
- 31-981** BR 3MT Black Early. **£101.95**
- 32-084** Class 56XX GWR. **£76.45**
- 32-085** Class 56XX BR. **£76.45**
- 32-260DC** Wd Austerity. **£125.29**
- 32-261** WD Austerity. **£110.40**
- 32-500** 5MT Class BR - 73068. **£70.99**
- 32-550A** A1 Tornado Apple Grn. **£109.45**
- 32-551DS** A2 Seaeagle BR. **£196.99**
- 32-954** 4MT Black BR Early. **£87.50**
- 32-955** 4MT Black BR Late. **£87.50**
- 31-528A** A2 Pearl Diver. **£144.45**
- 32-227B** LMS 3F Jinty. **£72.20**
- 32-235** BR 3F Jinty. **£80.70**

## BACHMANN Diesel/Electric Locomotives

- 32-331** Class 25/1 BR Green. **£89.20**
- 32-389** Class 37/4 Colas. **£101.95**
- 31-256DC** Midland Pullman. **£269.95**
- 31-265** MLV Green. **£62.45**
- 31-266** MLV with yellow panel. **£62.45**
- 31-267** MLV Blue/Grey. **£62.45**
- 31-268** MLV NSE. **£83.26**
- 31-269** MLV Jaffa Cake. **£83.26**
- 31-364** Class 03 BR Green with d. **£76.95**
- 31-365** Class 03 BR Blue with d. **£70.50**
- 31-366** Class 03 BR Green. **£70.50**
- 31-377** CL416 2EPB. **£85.99**
- 31-426** CL411 BR Green. **£99.99**
- 31-575** Windhoff MPV NWR. **£108.00**
- 31-655** Class47 Railfreight. **£86.35**
- 31-658** Class 47 Petroleum Sector. **£97.70**
- 31-677** CL85 BR Blue. **£85.99**
- 31-679** Class 50 Electric Blue. **£118.95**
- 32-034A** Class 20 BR Grn with d. **£97.70**
- 32-038DS** Class 20 BR Blue. **£195.45**
- 32-044** Class 20 BR Green. **£93.45**
- 32-045** Class20 Railfreight. **£93.45**
- 32-065** Class 43 Zealous. **£118.95**
- 32-066** Class 43 Pegasus. **£118.95**
- 32-067** Class 43 Royal Oak. **£118.95**
- 32-408** Class 25/3 BR Blue. **£93.45**
- 32-515A** Derby Lightweight Grn. **£93.97**
- 32-526DS** CL55 BR Blue. **£147.50**
- 32-679DS** CL45 BR Green. **£151.95**
- 32-680** Class 45 Blue. **£101.95**
- 32-681** Class 45 Green. **£101.45**
- 32-750** DC - CL57 FL - 57008. **£52.95**
- 32-781A** CL37/0 BR Blue. **£83.89**
- 32-784** Class 37 Mainline. **£106.20**
- 32-785DS** Class 37 Dutch. **£203.95**
- 32-786** Class 37 EWS. **£106.20**
- 32-815** Class47 InterCity. **£89.20**
- 32-900B** CL108 BR Green. **£71.45**
- 32-906** CL108 Green. **£93.50**
- 32-910** CL108 Blue/Grey. **£74.95**
- 32-913** CL108 3 Car Green. **£114.50**
- 32-926** CL150 Regional. **£63.50**
- 32-928** Class 150 Sprinter. **£135.95**
- 32-937** Class 150 Centro. **£127.45**
- 32-980** Class 66 GBRF. **£86.40**
- 32-762DS** Virgin Class 57 Hood. **£203.95**

## ORDER BY TELEPHONE

Orders taken 6 days a week  
9.00am - 5.30pm Monday to Saturday  
01432 352809

## MAIL ORDER SERVICE

ALL PRICES VALID UNTIL 30.04.16.

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

# Train braking systems

Much is written about the power of locomotives and how they 'go' but much less is known about another equally vital part of trains – how they stop. **EVAN GREEN-HUGHES** reveals the fascinating history of train brakes.

**The continuous vacuum brake was the main system used across the BR network providing reliable service throughout the steam era. In July 1965 Stanier 'Jubilee' 4-6-0 45563 Australia storms out of Carnforth – its train of BR Mk 1s under the control of vacuum brakes.**

[Dave Cobbe/Railphotoprints.co.uk](http://DaveCobbe/Railphotoprints.co.uk)

**M**OST TRAIN DRIVERS will tell you that the governing factor of whether it's been a good day at work is not how much their locomotive could pull or how fast it would accelerate. What makes the difference between an anxious and uncomfortable time or a relaxing shift is the performance of the braking system and how well it responds to the driver's inputs.

Spare a thought then for the crews of the earliest locomotives working on open footplates with unbraked trains and riding on engines which were not fitted with any

form of reliable braking system except for a crude tender handbrake and the ability to put the engine in reverse. They had to use the engine cylinders in much the same way as a modern car driver would change down a gear when travelling downhill to keep speed down. Clearly such arrangements were only suitable for short and slow trains and it was not long after the construction of the first of the long distance trunk lines that railway companies sought a more reliable way of stopping their trains.

Due to the longer and heavier trains in the United States much of the development of the continuous train brake took place there. One of the pioneers was Nehemiah





**Air-brakes allowed longer and heavier trains to be handled by single locomotives such as the merry-go-round coal trains. Class 56 56011 climbs to Harbury Tunnel with 7Z65 9.42am Barrow Hill – Didcot on July 4 1989. John Chalcraft/Railphotoprints.co.uk.**

Hodge who in 1849 invented a system that used a chain stretched under the train and which mechanically applied the brakes. Other engineers used rods, springs or levers, many of which relied on the bunching up effect of rail vehicles under braking to apply the brakes on individual vehicles.

One of the best known and widely used systems was the vacuum brake. The first patent for a brake using vacuum was granted in 1844 to James Nasmyth (who also invented the game of basketball) and Charles May but a version closer to that used in the UK was patented by Hodge in 1860, and later taken up by the great pioneer George Westinghouse. In

Hodge's system the vacuum was created by a pump driven from the engine but a later improvement by John Smith of Pittsburgh saw the introduction of the vacuum ejector, later to become a universal fitment on most British locomotives.

Early versions employed a system where vacuum was created in a pipe running the length of the train to directly apply the brakes but this had the disadvantage that it was not fail safe – if the vacuum failed or weakened the brakes would be released. Worse still, if couplings parted the result would be a runaway as there would be no braking on the stray vehicles. The tragic consequence of this was the loss >>>



of many lives, the most famous incident of which was the Armagh disaster of 1889 where a train of passenger coaches was split after it stalled on a gradient, the rear half ran away and crashed into a following train killing 80 people. After this Parliament stepped in to demand that all trains be fitted with an improved system which 'failed safe' and which was then known as the automatic vacuum brake.

In this version, known originally as the 'Sanders and Bolitho', a brake cylinder was provided on each vehicle in which was fitted a piston. Vacuum was maintained on one side of the piston by means of a simple ball non-return valve while varying the amount of vacuum on the other side dictated how much brake was applied. The advantage of this system was that should the train part the vacuum in one part of the cylinder would ensure that atmospheric pressure would apply the brakes by pushing the piston. It was this system that was to become predominant on the steam railway for the majority of the 19<sup>th</sup> and 20<sup>th</sup> centuries.

## DIFFERENT STANDARDS

Even at this early stage, though, the vacuum brake was not universal. Westinghouse set up a factory in Liverpool in 1869 to manufacture his American-designed brake equipment, the majority of which saw the brake applied by air pressure rather than vacuum. In this type of brake positive pressure is used providing greater effort and enables the use of smaller and lighter components. As with vacuum a system that would automatically apply the brake if a train divided was incorporated.

In 1875 trials were held between Nottingham and Newark which showed that with similar loads vacuum brakes took 34 seconds to stop a train from 52mph while air achieved the same in a time of only 19 seconds. Clearly air was far superior to vacuum, but it was to be more than 100 years before air brakes became universal on British Railways.

The reasons for this are complicated but one explanation may have been the personality of George Westinghouse, coupled with the relative complexity of his air brake. Although some prestigious



lines such as the Midland Railway took up the system Westinghouse often interfered in the internal affairs of companies using it. For instance he objected to the Midland swapping air pumps from engine to engine and to them taking off a supply to work the sanders. Also a conference held at Euston in 1876 and sponsored by the London & North Western Railway came down in favour of the vacuum brake which did not assist the air brake's cause.

Those railways already using the air brake were either not represented or ignored the findings but others adopted the majority decision and standardised on the vacuum brake with 2in diameter hose instead.

At the turn of the 20th century six out of the 16 main line railways in the UK used the automatic air brake while the rest used vacuum. The same mixed situation was still in place when the companies were amalgamated into the 'Big Four' in 1923, a move that resulted in the reduction of air brake working as all the new companies naturally standardised on the system most widespread in their area. The situation continued throughout the period of the 'Big Four' with the result that by nationalisation in 1948 the majority of the country's trains used the automatic vacuum brake. This was in complete contrast to many overseas countries, including the USA where the air brake was predominant.

In 1950 British Railways decided that it would standardise completely on the vacuum brake, but using the Great Western Railway's style of cylinder. However after further trials this decision was reversed and the Gresham and Craven cylinder was adopted as standard in 1956. The Modernisation Plan called for 40,000 freight wagons to be fitted with the vacuum brake over five years but after a special plant had been built to manufacture the components



**The use of air-brakes became the first choice for passenger trains and increasingly for goods operations throughout the 1970s and into the '80s, but there were still vacuum brake trains on the network including engineer's trains. On May 17 1979 31316 runs through Toton Yard with empty vacuum braked ballast wagons bound for Loughborough. John Chalcraft/Railphotoprints.co.uk.**



**Modern airbrakes allow rapid deceleration of trains. The modern 'Voyager' DEMUs can be brought to a stand from 60mph in just 350yards. 'Super Voyager' 221106 thunders north through Greenholme with the 9.30am Penzance - Glasgow on August 22 2005.**  
John Chalcraft/  
Railphotoprints.co.uk.

this decision was changed and the order slashed to less than half its original quantity, resulting in British Railways being sued for breach of contract. The matter was settled when a cheque for £1.6m was handed over in compensation several years later.

## A BREATH OF FRESH AIR

Throughout the steam era BR continued to use the automatic vacuum brake but by then the vastly superior performance of the air brake was becoming impossible to ignore. The Southern Railway had used two-pipe air brakes on its Electric Multiple Units (EMUs) since the 1920s but the addition of electric control in 1950 produced a system which had the efficiency of air but allowed drivers the finer control of the vacuum system. Trains could be driven harder and faster and could stop more accurately as the electric impulses meant that all cylinders applied at the same time with no delay due to air pressure fluctuations down the train.

The new diesel and electric locomotives provided under the Modernisation Plan had air brakes but they were fitted with a system that allowed them to work vacuum-braked stock. However higher speeds required more braking efficiency and it was soon realised that air was the only way forward. British Railways subsequently began to order new stock fitted with two-pipe air brakes, a system in which one pipe works



**The London Brighton and South Coast Railway was one of the few pre-grouping railways to standardise on air-brakes for its trains. Air-pump equipped Marsh '13' 4-4-2T 2025 passes an unknown location in 1929.** Railphotoprints.co.uk.

the brakes and the other supplies the brake distributors on the train. Braking performance on stock fitted with air brakes was far superior to vacuum and therefore over a period some older stock was retrofitted with the system, and many locomotives were converted to work them.

By the 1980s air brakes were in use on the majority of trains, but there were a few vacuum-braked goods trains about as well as the similarly

equipped first generation Diesel Multiple Units.

The decade saw the introduction of a massive fleet of new multiple units and these were fitted with yet another variation of the electric air brake in which brake continuity was maintained by an electric wire rather than through an air pipe. This wire provided an electric current to the brake controller and if this power was interrupted then the brakes would apply straight away. This meant that a continuous air pipe wasn't necessary and enabled the introduction of automatic couplers. Later improvements have

included more widespread use of dynamic braking in which electric traction motors are used as generators when slowing.

With the exception of a few steam excursions and most trains operating on heritage railways all trains are now air braked, with stopping power largely supplied by heavy duty disc brakes.

These provide performance far and above anything that was possible in the

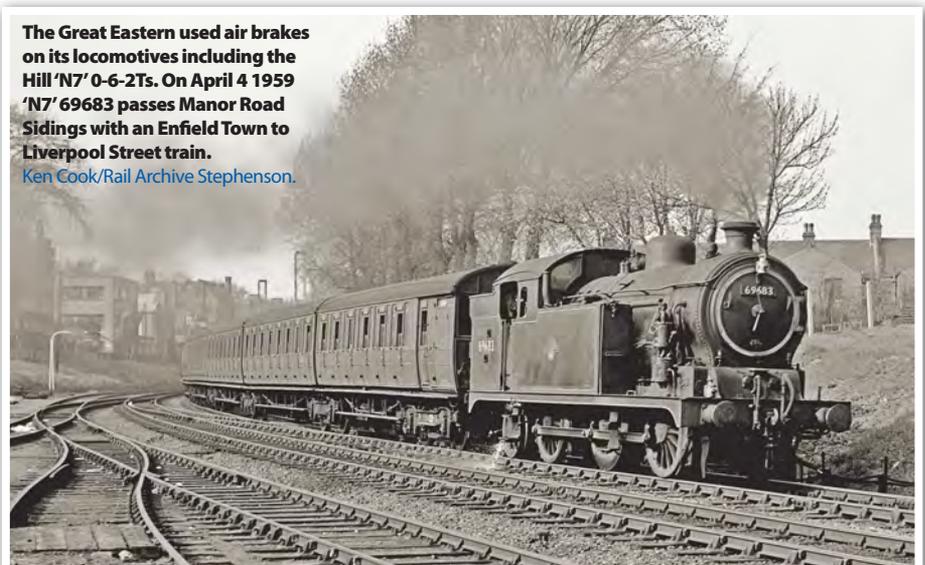
steam era. Today's Class 220/221/222 units can stop in an emergency from 60mph in a distance of only 350 yards.

Over the last two centuries the designers of brake

systems have made as many, if not more, advances in their science as have those who have provided the power units. The limitations on braking are now more at the wheel-rail interface by preventing slipping - and also preventing passengers from being injured under sudden braking. This branch of railway engineering is so fundamental to the safety of the railway and deserves far greater attention - and appreciation. [Fibrona](#)

*“Parliament stepped in to demand that all trains be fitted with an improved system”*

**The Great Eastern used air brakes on its locomotives including the Hill 'N7' 0-6-2Ts. On April 4 1959 'N7' 69683 passes Manor Road Sidings with an Enfield Town to Liverpool Street train.**  
Ken Cook/Rail Archive Stephenson.



# STAFF PROJECTS

## MOVING FORWARDS

Work on Barrenthorpe is underway again. **MIKE WILD** updates the latest events on the 'N' gauge layout.



**Underneath the baseboard 21 new DCC Concepts digital IP motors have been installed to take control of train movements in the storage yard. Installation was quick and simple.**

**A** GROWING LIST of plans has existed for Barrenthorpe - our office 'N' gauge test track - and happily motivation has returned for the project recently.

First on the job list was removing the original backscene end panel from the level end of the layout so that a new panel to cover the full width of the board could replace it. At the same time I took the opportunity to extend two of the tracks from the depot under the road bridge wielding my trusty Dremel with a sawtooth cutting blade to remove part of the supporting structure for the backscene.

The extension of the two tracks

through the backscene makes way for another modification to the track layout which will really enhance operation of the locomotive depot by creating a separate route from the headshunt to the coaling area which will bypass the shed itself.

The main part of that modification is yet to be started, but at least the headshunt is now long enough to accommodate the extra pointwork. More destructive modification will be required to install the new pointwork, but that is part of what is making this rebuild project so enjoyable.

The new backscene panel was cut from 6mm MDF, checked for fit and painted sky blue to match the rest of the rear panels. Initially it has been

placed loose on the layout - held in place in true Heath Robinson style with a box of screws! This will allow further work to take place around this area with full access including repositioning of the houses, making retaining walls, bridges and more.

### ROADWORKS

One of the upsides of removing the original end panel was that it would give me a spare section of 3mm MDF to extend the roadway at the level end of the layout. A plan was thought up and then marked out on the panel which was cut to shape to extend the road across to the edge of the baseboard and create a falling gradient along the front. This new roadway will feature

matching pavements to the original as well as a low relief factory building along the leading edge of the model. This might one day feature interior detailing too. Moreover, it will remain removable for access for photography as installing scenic features like this can sometimes restrict angles for images.

New supports have been cut from the 3mm MDF sheet and the roadbed has been fixed in place with contact adhesive and painted with the same Dulux grey feature wall colour as the original roads.

Next for this area is construction of the bridge and retaining wall. In my wisdom I've decided to replace the entire retaining wall around the

The *Hornby Magazine* team is always busy behind the scenes. This is what they've been up to.



**MIKE WILD**  
With the 2015 show season completed Barrenthorpe has received so much needed attention. Scenic work is next on the list.



**MARK CHIVERS**  
With the arrival of Dapol's new 'OO' gauge Class 73 and an influx of Heljan Class 33s, Mark's attention has turned to Southern Region train formations.

Below: A 'Deltic' leads a rake of Mk 1 Pullmans through the newly extended bridge across the five tracks of the main line. Detailing of this area is next.

#### THE DETAILS

<b>Name:</b>	Barrenthorpe
<b>Scale:</b>	'N'
<b>Size:</b>	8ft 3in x 3ft 4in
<b>Track:</b>	Peco code 55 (scenic section) Peco code 80 (storage yard)
<b>Control:</b>	DCC, Gaugemaster Prodigy/analogue
<b>Period:</b>	BR 1950s/1960s, Midland/Eastern Region



To begin making modification to the engine shed roads the original backscene was removed first followed by a section of the wooden angle to allow the headshunt to be extended.



With the tracks extended through and bufferstops fitted at the end the engine shed is ready for its next round of modifications.



The new roadway has been cut from the original backscene panel. It is 3mm MDF and serves to frame the end of the scenic section better.

engine shed - further adding to the job list for Barrenthorpe. Still, it will look all the better for it, I am sure.

#### BELOW DECK

Progress hasn't just been restricted to scenic work on the layout. Beneath the surface the mammoth task of installing point motors for the whole layout has continued with all 21 motors for the storage yards now fitted,

addressed and set to work.

These are all DCC Concepts Cobalt IP digital motors which I've had great success with. The speed of installation possible with these motors is phenomenal with each end of the yard being completed within 40 minutes start to finish. That time scale includes setting up the motors, installation, wiring and addressing!

To make operation as simple as

possible the motors at each end of each loop have been given matching accessory decoder addresses so that one button press changes both ends of the loop. It isn't quite route setting, but that will be possible using any of the control systems which we connect to the layout.

The upshot of this is that all of the main line routes can now be switched with a DCC

handset making the layout much simpler to operate.

Meanwhile there are still decisions to be made about how Barrenthorpe's gradients will look once completed, but ideas are being developed and this area should be moving forward soon too with a start being made on landscaping.

Look out for more on Barrenthorpe's scenic development in Staff Projects next issue. [HOM](http://www.hornby.com)

#### BARRENTHORPE IS SUPPORTED BY...



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



DCCconcepts Pty Ltd, 3/13 Lionel Street, Naval Base, WA 6165 Australia

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



[www.bachmann.co.uk](http://www.bachmann.co.uk)



[www.train-tech.co.uk](http://www.train-tech.co.uk)

# Abergavenny Brecon

**S**EVERAL YEARS before I retired in 2007 I decided I wanted to build a model railway in 'OO' scale. Abergavenny used to be a very busy railway town with three main line stations. They were Monmouth Road (Great Western Railway, still there), Abergavenny Junction and Abergavenny Brecon Road - both sadly gone.

The Merthyr Tredegar and Abergavenny Railway (MTAR) was built by the London & North Western Railway (LNWR) to Brynmawr by 1862 and onwards to Nantybwch by 1864. This line, station sheds and Usk river bridge are long gone but many of the features and buildings on my model still exist today. The sheds had over 100 steam locomotives based there.

I always intended to be able to move my layout so it is constructed in eight sections supported on trestles. All frames and trestles are made of 50mm x 25mm timber. The surface is 6mm plywood with



cork underlay. All buildings are scratchbuilt from old photographs using Wills and Woodland Scenic materials, hanging basket felt and anything deemed to be useful.

The layout is Digital Command Control (DCC) but I also have four engines working on independent shuttles in and out of the sheds. This creates a lot of interest whilst I operate trains on the main lines. Viewers like to see lots of movement.

The engines are 'Super D' 0-8-0, 'Coal Tank' 0-6-2Ts, Ivatt '2MT' 2-6-2Ts and two

## Midland inspiration

I started this project in July 2013 with the intention of building a 1950s to the end of steam era 'OO' gauge layout based in the north of the country. The layout is completely fictional and has two station, one intermediate and one a terminus. One is based on Broom Junction on the London Midland and Scottish Redditch-Evesham railway.

The railway is approximately 60ft (end to end), with additional sidings and a large goods yard at the terminus. The engine shed area was completed last year with further projects taking shape such as street scenes and countryside. I have used a selection of Metcalfe and Ratio kits, along with Hornby Skaledale and Bachmann Scenecraft buildings to achieve some interesting results.

I would like to say that it would all be fully completed by the end of the year but a hobby like this will be completed when I have either run out of money or



physically have no strength to build it!

The locomotives, along with rolling stock, give me opportunities to have themed days such as Great Central, Great Eastern, Somerset and Dorset and just general end of steam days.

**Steve Chandler, by e-mail.**

# Road



0-8-4Ts constructed from 'Super Ds'.

I have been exhibiting since 2010 and the local interest has been huge. I once spoke to someone who used to sell tickets on the station and a former policeman who chased a rogue down the line and over the river bridge.

This year I will be exhibiting at Abergavenny Toy and Train Fair on May 2 and Weston Super Mare Model Railway Exhibition on September 11.

**Richard Cox, Abergavenny**

# Bridge Wold station

I started modelling in summer 2013 at the young age of 53. My main objective for this layout was to try and create realism. I tried to achieve this by attending model exhibitions, looking in magazines and at photographs.

Planning and research seems to be the key to success for my future layouts. My favourite era is 1957 to the mid-1970s which I have tried to emulate in my layout.

The enjoyable aspect of this hobby is trying to use correct train formations and DCC with sound and lights are big pluses for me.

The base covering is made from PVA glue covered in sand which I find creates a lovely texture when painted and weathered. The



buildings and bridges are made from kits and scratchbuilt. The scenery has been created using natural and manmade resources.

**Garry Haines, by e-mail.**



# Reviving Barton

I've recently become the fourth owner of this compact through station which originally started life with *Hornby Magazine* as a demonstration for static grass.

I have made a few alterations and will continue to until I'm happy with it but the overall aim is to turn Barton into a small station on a preserved railway set in the present day. The sidings in front of the station are going to be a small permanent way yard. This enables me to run almost anything, whether it is a visiting gala locomotive or just a preserved engine from the home fleet.

At this point in my modifications I have removed

all buildings the layout came with and fitted a new station building from the Skaledale range as well as station fencing. I have almost finished the road area down to the sidings: this is going to be a muddy grassy track area typical of preserved railways. I have also made, weathered and detailed a portable building and sat it on a concrete plinth ready for the yard. All that is left then is yard fencing and field fencing behind the station as I intend on using some of the field as a busy car park for when I'm running 'gala' days. I also intend on adding some minor small details as well.

**Ben Sterry, by e-mail.**

# 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

### 11-13 TAUNTON MODEL RAILWAY GROUP OPEN DAYS

**Hosts:** Taunton Model Railway Group  
**Location:** Platform One, Bishops Lydeard Station, West Somerset Railway TA4 3RU  
**Times:** Fri 10.30am-4.30pm, Sat 10.30am-4.30pm, Sun 10.30am-4.30pm  
**Prices:** Adults £1.50, children 75p  
**Website:** [www.bathgreenpark.co.uk](http://www.bathgreenpark.co.uk)  
**Contact:** 01984 639509  
**Features:** Tamerig Central and Bath Green Park layouts in operation. Commemorating the 50<sup>th</sup> anniversary of the closure of the Somerset and Dorset railway line.

### 12 SAWBRIDGECORTH MODEL RAILWAY SHOW

**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:** 07918 702634  
**Features:** Layouts and trade support.

### 12 SWINDON MODRAIL 2016

**Host:** Swindon Model Railway Club  
**Location:** STEAM Museum of the Great Western Railway, Firefly Avenue, Kemble Drive, Swindon, Wiltshire SN2 2EY  
**Times:** 10am-4.30pm  
**Prices:** Adults £5, accompanied children free  
**Website:** [www.swindonmodelrailwayclub.com](http://www.swindonmodelrailwayclub.com)  
**Contact:** 07880 654755  
**Features:** 15 layouts, trade support, demonstrations, refreshments and disabled access. Admission to STEAM museum is not included and not required to visit the exhibition.

### 12 TRAIN COLLECTORS SOCIETY SPRING EVENT AND AGM

**Hosts:** Train Collectors Society  
**Location:** Weatherley Centre, Off Eagle Farm Road, Biggleswade, Bedfordshire SG18 8JB  
**Times:** 9am-2pm  
**Prices:** Adults £3, accompanied children free  
**Website:** [www.traincollectors.co.uk](http://www.traincollectors.co.uk)  
**Features:** 12 layouts, trade support, refreshments, parking and disabled access.

### 12/13 BASINGSTOKE MODEL RAIL 2016

**Host:** Basingstoke and North Hampshire Model Railway Society  
**Location:** Aldworth Science College, Western Way, Basingstoke, Hampshire RG22 6HA  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £5, children £4  
**Website:** [www.hants.org/bnhmrs](http://www.hants.org/bnhmrs)  
**Contact:** 07554 010054  
**Features:** 25 layouts, trade support, demonstrations, refreshments, parking and disabled access. Heritage bus link between venue and Basingstoke railway station.

### 12/13 EAST ANGLIAN MODEL RAILWAY EXHIBITION

**Host:** St Neots Model Railway Club  
**Location:** Britten Arena, Wood Green Animal Charity Centre, Huntingdon, Cambridgeshire PE29 2NH  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £7, children £4, family £20  
**Website:** [www.stneotsmrc.com](http://www.stneotsmrc.com)  
**Features:** More than 30 layouts, trade support, demonstrations, outdoor rides, refreshments, parking and disabled access. Free heritage bus link between venue and Huntingdon railway station.

### 12/13 EAST GRINSTEAD MODEL RAILWAY EXHIBITION

**Host:** 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, family (2+2) £15  
**Website:** [www.egmrc.org.uk](http://www.egmrc.org.uk)  
**Contact:** 01342 314228  
**Features:** Layouts, trade support, demonstrations, refreshments, parking and disabled access. One free child entry with each paying adult on Sunday only.

### 12/13 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)  
**Contact:** 01535 601775  
**Features:** Ten layouts, trade support, demonstrations, societies, refreshments, parking and disabled access.

### 12/13 MACCLESFIELD MODEL RAILWAY EXHIBITION

**Hosts:** Macclesfield Model Railway Group  
**Location:** Tytherington School, Manchester Road, Macclesfield, Cheshire SK10 2EE  
**Times:** Sat 10am-5pm, Sun 10am-4.30pm  
**Prices:** Adults £5.50, accompanied children free  
**Website:** [www.macclesfieldmrg.org.uk](http://www.macclesfieldmrg.org.uk)  
**Features:** Layouts, trade support, refreshments, parking and disabled access.

### 12/13 MIDLANDS GARDEN RAIL SHOW

**Hosts:** Meridienne Exhibitions  
**Location:** Warwickshire Exhibition Centre, near Leamington Spa, Warwickshire CV31 1XN  
**Times:** Sat 10am-4pm, Sun 10am-4pm  
**Prices:** Adults £8.50 (£7.50), concessions £7.50 (£6.50), children £3 (£2) – online prices in brackets  
**Website:** [www.largescalmodelrail.co.uk](http://www.largescalmodelrail.co.uk)  
**Features:** Large scale layouts, trade support, live steam models, refreshments and parking.

### 12/13 NAILSEA MODEL RAILWAY SHOW

**Hosts:** Nailsea and District Model Railway Club  
**Location:** Nailsea School, Mizzymead Road, Nailsea, North Somerset BS48 2HJ  
**Times:** Sat 10.30am-5pm, Sun 10am-4pm  
**Prices:** Adults £5, children £2, family £12  
**Website:** [www.nailsea-district-mrc.co.uk](http://www.nailsea-district-mrc.co.uk)  
**Features:** 12 layouts, trade support, demonstrations and societies.

### 12/13 NOTTINGHAM MODEL RAILWAY EXHIBITION

**Hosts:** Nottingham Model Railway Society  
**Location:** Harvey Hadden Sports Village, Wigman Road, Nottingham, NG8 4PB  
**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)  
**Features:** 25 layouts, trade support, demonstrations, societies, refreshments and parking.

### 12/13 PERTH GREEN (JARROW) MODEL RAILWAY EXHIBITION

**Hosts:** Perth Green Model Railway Club  
**Location:** Perth Green Community Association, 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, demonstrations, refreshments and parking.

### 13 TRIMLEY ST MARTIN MODEL RAILWAY EXHIBITION

**Hosts:** Trimley Station Charity Trust  
**Location:** Memorial Hall, Trimley St Martin, IP11 0RU  
**Times:** 10am-4.30pm  
**Prices:** Adults £3, children £1  
**Contact:** 01394 284398  
**Features:** Layouts, trade support, demonstrations, refreshments, parking and disabled access.

### 19 ABINGDON MODEL RAILWAY EXHIBITION

**Host:** Abingdon and District Model Railway Club  
**Location:** White Horse Leisure and Tennis Centre, Audlett Drive, Abingdon, Oxfordshire OX14 3PJ  
**Times:** 10am-5pm  
**Prices:** Adults £8, accompanied children free  
**Website:** [www.admrc.org.uk](http://www.admrc.org.uk)  
**Features:** 20 layouts, trade support, demos, societies, refreshments, parking and disabled access.

### 19 BAWDESWELL MODEL RAILWAY SHOW

**Hosts:** 32A Model Railway Club and Whitwell Model Railway Club  
**Location:** Bawdeswell Village Hall, Reepham Road, Bawdeswell, Norfolk NR20 4RU  
**Times:** 10.30am-4.30pm  
**Prices:** Adults £4, concessions £3, children £2  
**Website:** [www.32amrc.co.uk](http://www.32amrc.co.uk)  
**Contact:** 01692 598464  
**Features:** Layouts, trade support, demonstrations, refreshments and parking.

### 19 FELIXSTOWE AREA N GAUGE GROUP OPEN DAY

**Hosts:** Felixstowe Area N Gauge Model Railway Group  
**Location:** Welcome Hall, High Road, Trimley St Mary, Suffolk IP11 0NT  
**Times:** 11am-4pm  
**Prices:** Free  
**Website:** [www.felixstowengauge.org.uk](http://www.felixstowengauge.org.uk)  
**Features:** Four layouts, trade support, refreshments, parking and disabled access.

### 19 MERSEYSIDE HOBBIES AND MODEL RAILWAY SHOW

**Hosts:** World of Motion  
**Location:** St Mary's Catholic College, Wallasey Village, Wallasey CH45 3LN  
**Times:** 11am-4pm  
**Prices:** Adults £4.50, children £1  
**Website:** [www.worldofmotion.co.uk](http://www.worldofmotion.co.uk)  
**Contact:** 0151 638 39+15  
**Features:** Layouts, trade support, model road vehicle, boat and aircraft displays.

### 19 NEWTON AYCLIFFE MODEL RAILWAY EXHIBITION

**Hosts:** Rotary Club of Newton Aycliffe  
**Location:** The Youth Centre, Burn Lane, Newton Aycliffe, County Durham DL5 4HT  
**Times:** 10am-5pm  
**Prices:** Adults £4, concessions £3, children 50p  
**Website:** [www.newtonayclifferotary.org.uk](http://www.newtonayclifferotary.org.uk)  
**Contact:** 07870 210269  
**Features:** 18 layouts, trade support, societies, refreshments, parking and disabled access.

### 19 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 £5, concessions £4, children £3, family (2+2) £10  
**Website:** [www.ndmrc.info/Home/Tadworth.htm](http://www.ndmrc.info/Home/Tadworth.htm)  
**Contact:** 07758 458827  
**Features:** 30 layouts, trade support, demonstrations, refreshments, parking and disabled access.

**19/20 DORSET MODEL RAILWAY EXHIBITION**

**Hosts:** Ray Heard  
**Location:** Queen Elizabeth School, Blandford Road, Wimborne, Dorset BH21 4DT  
**Times:** Sat 10am-4.30pm, Sun 10am-4pm  
**Prices:** Adults £6, children free  
**Contact:** 01823 480097  
**Features:** 25 layouts, trade support, demonstrations, refreshments and parking.

**19/20 LONDON FESTIVAL OF RAILWAY MODELLING**

**Hosts:** The Model Railway Club  
**Location:** Alexandra Palace, Alexandra Palace Way, London N22 7AY  
**Times:** Sat 10am-5pm, Sun 10am-4.30pm  
**Prices:** Adults £12, children £6, family £36  
**Website:** [www.themodelrailwayclub.org](http://www.themodelrailwayclub.org)  
**Features:** 40 layouts, trade support, societies, demonstrations, refreshments, parking and disabled access.

**19/20 ORMESBY HALL MODEL RAILWAY WEEKEND**

**Hosts:** Ormesby Hall Model Railway Group  
**Location:** Ladgate Lane, Ormesby, Middlesbrough TS3 0SR  
**Times:** Sat 10am-4pm, Sun 10am-4pm  
**Prices:** Adults £2.50, children £1, National Trust members free  
**Website:** [www.ormesbyhallmrg.co.uk](http://www.ormesbyhallmrg.co.uk)  
**Features:** 12 layouts, trade support, limited disabled access.

**19/20 ROCHDALE MODEL RAILWAY EXHIBITION**

**Hosts:** Heywood Model Railway Group  
**Location:** Rochdale Town Hall, The Esplanade, Rochdale, Lancashire OL16 1AB  
**Times:** **Event Cancelled**  
**Website:** [www.hmrg.co.uk](http://www.hmrg.co.uk)  
**Contact:** 07732 781989

**19/20 SHEFFIELD MODEL RAILWAY EXHIBITION**

**Hosts:** Sheffield Model Railway Enthusiasts  
**Location:** Birkdale School, Oakholme Road, Sheffield S10 3DH  
**Times:** Sat 10am-5pm, Sun 10am-5pm  
**Prices:** Adults £5.50, concessions £4, children £3, family £14  
**Website:** [www.sheffieldrailwayenthusiasts.com](http://www.sheffieldrailwayenthusiasts.com)  
**Contact:** 0114 296 2403  
**Features:** Layouts, trade support and limited disabled access.

**20 HEREFORDSHIRE BORDERS O GAUGE GROUP RUNNING DAY**

**Hosts:** Herefordshire Borders O Gauge Group  
**Location:** Eardisland Village Hall, Eardisland, Near Leominster, Herefordshire HR6 9BP  
**Times:** 10am-4.30pm  
**Prices:** Adults £2, children free  
**Contact:** 01544 387972  
**Features:** Test track for visiting models, trade support and refreshments.

**26 BILLERICAY MODEL RAILWAY GROUP EXHIBITION**

**Hosts:** Billericay Model Railway Group  
**Location:** Galleywood Heritage Centre, The Common, Galleywood, Chelmsford, Essex CM2 8TR  
**Times:** 10am-4pm  
**Prices:** Adults £3, children £1  
**Contact:** 01245 357700  
**Website:** [www.galleywoodheritagecentre.org.uk](http://www.galleywoodheritagecentre.org.uk)  
**Features:** Layouts, trade support, refreshments, parking and disabled access.

**26 NORTH CORNWALL AND DEVON MODEL RAILWAY CLUB SPRING MEETING**

**Hosts:** North Cornwall and Devon Model Railway Club  
**Location:** Chilsworthy Village Hall, Chilsworthy, Holsworthy, Devon EX22 7BQ  
**Times:** 10am-4pm  
**Prices:** Adults £3, children £1, accompanied children free  
**Contact:** 01566 772667  
**Features:** 12 layouts, trade support, refreshments, parking and disabled access.

**26-28 YORK MODEL RAILWAY SHOW**

**Host:** Friends of York Model Railway Show  
**Location:** Knivesmire Stand, York Racecourse, Racecourse Road, York YO23 1EX  
**Times:** Sat 10am-5pm, Sun 10am-5pm, Mon 10am-4.30pm  
**Prices:** Adults £9 (£7.50), children £4 (£4), family (2+3) £22 (£19) – advance ticket prices in brackets  
**Contact:** 01482 503188  
**Website:** [www.yorkshow.org.uk](http://www.yorkshow.org.uk)

**Features:** 40 layouts, trade support, demonstrations, societies, refreshments, parking and disabled access. Bus service linking venue with York railway station.

**26-28 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.

**27/28 GRESLEY AND WYCHNOR MODEL RAILWAY GROUP OPEN WEEKEND**

**Hosts:** Gresley and Wychnor Model Railway Group  
**Location:** Gresley Social Centre, Park Road, Church Gresley, Swadlincote, Derbyshire DE11 9QE  
**Times:** Sun 10am-4.30pm, Mon 10am-4pm  
**Prices:** Adults £3, children £1, family £6.50  
**Features:** Layouts, demonstrations, refreshments, parking and disabled access to ground floor exhibits.

# APRIL

**2 BECKENHAM VINTAGE MODEL RAILWAY EXHIBITION**

**Hosts:** Beckenham and West Wickham MRC  
**Location:** St John's Church, Eden Park Avenue, Eden Park, Kent BR3 3JN  
**Times:** 10am-5pm  
**Prices:** Adults £5, accompanied children free  
**Website:** [www.bwwmrc.co.uk](http://www.bwwmrc.co.uk)  
**Contact:** 07545 469610  
**Features:** Nine vintage layouts, trade support, refreshments and disabled access.

**2 BELPER MODEL RAILWAY EXHIBITION**

**Hosts:** Belper Model Railway Group  
**Location:** Strutt's Community Centre, Derby Road, Belper, Derbyshire DE56 1UU  
**Times:** 10am-5pm  
**Prices:** TBA  
**Website:** [www.bmrg.coffeecup.com](http://www.bmrg.coffeecup.com)  
**Features:** Layouts, trade support, demonstrations, refreshments, parking and disabled access.

**2 CHURCH STRETTON MODEL RAILWAY EXHIBITION**

**Hosts:** The Strettons Railway Society  
**Location:** Church Stretton School, Shrewsbury Road, Church Stretton, Shropshire SY6 6EX  
**Times:** 10am-4pm  
**Prices:** Adults £4, concessions £3.50, children £2  
**Contact:** 01694 722189  
**Features:** 12 layouts, trade support, static exhibits, refreshments and parking.

**2 NORWICH MODEL RAILWAY EXHIBITION**

**Hosts:** Norwich Model Railway Club  
**Location:** Hellesdon High School, Middletons Lane, Norwich, Norfolk 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)  
**Features:** Layouts, trade support, demonstrations, societies, refreshments, parking and disabled access.

**2/3 CHELTENHAM SPRING MODEL RAILWAY EXHIBITION**

**Hosts:** Cheltenham Great Western Modellers Group  
**Location:** St Margaret's Hall, Coniston Road, Hatherley, Cheltenham, Gloucestershire GL51 3NU  
**Times:** Sat 10am-5pm, Sun 10am-4.30pm  
**Prices:** Adults £4, children £2.50, family (2+2) £9  
**Website:** [www.cheltmodrail.org.uk](http://www.cheltmodrail.org.uk)  
**Contact:** 01242 517788  
**Features:** Layouts, trade support, demonstrations, displays, model road vehicles, refreshments and disabled access.

**2/3 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-4pm

**Prices:** Adults £6, concessions £5, children £4, family (2+2) £15

**Website:** [www.turnersfolly.co.uk](http://www.turnersfolly.co.uk)

**Features:** 15 layouts, trade support, demonstrations, displays, refreshments, parking and disabled access.

**9 EAST SURREY N GAUGE MODEL RAILWAY EXHIBITION**

**Hosts:** East Surrey N Gauge Group  
**Location:** St Joseph's Catholic Primary School, Linkfield Lane, Redhill, Surrey RH1 1DU  
**Times:** 10am-4pm  
**Prices:** TBA  
**Website:** [www.esng.co.uk](http://www.esng.co.uk)  
**Features:** 'N' gauge layouts, trade support, refreshments, parking and disabled access.

**9 HEYWOOD MODEL RAILWAY GROUP OPEN DAY**

**Hosts:** Heywood Model Railway Group  
**Location:** Club Rooms, Unit 3, Park Works, River Street, Heywood, Lancashire OL10 4AB  
**Times:** 10am-4pm  
**Prices:** Free (donations welcome)  
**Website:** [www.hmrg.co.uk](http://www.hmrg.co.uk)  
**Features:** Club layouts, refreshments and parking.

**9 HILLINGDON RAILWAY MODELLERS TEST TRACK OPEN DAY**

**Hosts:** Hillingdon Railway Modellers  
**Location:** Yiewsley Baptist Church Hall (side entrance), 74 Colham Avenue, Yiewsley, Hillingdon, London UB7 8HF  
**Times:** 10am-4pm  
**Prices:** £4  
**Website:** [www.hillingdonrailwaymodellers.co.uk](http://www.hillingdonrailwaymodellers.co.uk)  
**Features:** Three club test tracks in 'O', 'OO' and 'N' available, DC and DCC, club sales, meet club members and refreshments.

**9 IPSWICH MODEL RAILWAY ASSOCIATION OPEN EVENT**

**Hosts:** Ipswich Model Railway Association  
**Location:** Club Rooms, 40A Norfolk Road, Ipswich IP4 2HB  
**Times:** 10am-1pm  
**Prices:** Free  
**Website:** [www.irma.org.uk](http://www.irma.org.uk)  
**Features:** Layouts, club members, second hand stall, refreshments and limited disabled access.

**9 LUTON MODEL RAILWAY EXHIBITION**

**Hosts:** Luton Model Railway Club  
**Location:** Stopsley High School, St Thomas' Road, Stopsley, Luton, Bedfordshire LU2 7UX  
**Times:** 10.30am-5pm  
**Prices:** Adults £5, concessions £4, children £3, family (2+2) £12  
**Contact:** 01582 612949  
**Features:** 20 layouts, trade support, societies, refreshments and parking.

**9 NARROW GAUGE SOUTH 2016**

**Hosts:** Wessex Narrow Gauge Modellers  
**Location:** Sparsholt College, Winchester, Hampshire SO21 2NF  
**Times:** 10am-4.30pm  
**Prices:** Adults £7, accompanied children free  
**Website:** [www.narrowgaugesouth.org.uk](http://www.narrowgaugesouth.org.uk)  
**Features:** 20 narrow gauge layouts, trade support, refreshments, parking and disabled access.

**9 NATIONAL GARDEN RAILWAY SHOW**

**Hosts:** Association of 16mm Narrow Gauge Modellers  
**Location:** Peterborough Arena, East of England Showground, Peterborough PE2 6XE  
**Times:** 10am-5pm  
**Prices:** Adults £9 (£7.50), children free – advance ticket price in brackets  
**Website:** [www.nationalgardenrailwayshow.org.uk](http://www.nationalgardenrailwayshow.org.uk)  
**Features:** 16 garden railway layouts, live steam, trade support, refreshments, parking and disabled access. Shuttle bus between venue and Peterborough railway station (fare payable).

**9 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 under 12 free  
**Contact:** 0117 909 4915  
**Features:** Layouts, trade support, refreshments, parking and disabled access.

## 9 THE SMALL EXHIBITION 2016

**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:** Ten layouts, trade support, demonstrations, refreshments, parking and disabled access.

## 9 BEACON RAIL 2016

**Hosts:** Tring and District Model Railway Club  
**Location:** Pitstone Memorial Hall, Vicarage Road, Pitstone, Tring, Buckinghamshire LU7 9EY  
**Times:** 10.30am-4.30pm  
**Prices:** Adults £3, children £1.50, family (2+2) £7  
**Website:** [www.tdmrc.co.uk](http://www.tdmrc.co.uk)  
**Features:** Eight layouts, trade support, societies, refreshments and disabled access.

## 9/10 CRAWLEY MODEL RAILWAY SOCIETY EXHIBITION

**Hosts:** Crawley Model Railway Society  
**Location:** Tanbridge House School, Farthings Hill, Guildford Road, Horsham, West Sussex RH12 1SR  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £6, children £4, family (2+2) £16  
**Website:** [www.crawleymrs.org.uk](http://www.crawleymrs.org.uk)  
**Contact:** 07411 353575  
**Features:** Layouts, trade support, miniature railway, refreshments and parking.

## 9/10 KEIGHLEY AND WORTH VALLEY MODEL RAILWAY EXHIBITION

**Hosts:** Keighley and Worth Valley Railway/Rail Story  
**Location:** Ingrow West and Oxenhope Stations, Keighley and Worth Valley Railway, West Yorkshire  
**Times:** Sat 10am-4pm, Sun 10am-4pm  
**Prices:** Adults £16, children £8  
**Website:** [www.kwvr.co.uk](http://www.kwvr.co.uk)  
**Contact:** 07825 632123  
**Features:** Layouts, refreshments, parking and disabled access. Day Rover ticket includes access to all layouts and unlimited travel on KWVR trains on day.

## 9/10 MARYPORT MODEL SHOW

**Hosts:** Maryport Model Club  
**Location:** Netherhall School, Maryport, Cumbria CA15 6NT  
**Times:** Sat 10am-4.30pm, Sun 10am-4pm  
**Prices:** Adults £5, concessions £3.50, children £2, family £10  
**Contact:** 01900 813661  
**Features:** Layouts, trade support, model boats, model vehicles, refreshments, parking and disabled access.

## 9/10 ROCHDALE MODEL RAILWAY GROUP 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.rmr.org.uk](http://www.rmr.org.uk)  
**Contact:** 01773 775716  
**Features:** Layouts, trade support, refreshments and parking.

## 9/10 TRAINWEST 2016

**Hosts:** Bentley Model Railway Group  
**Location:** Springfield Community Campus, Beechfield Road, Corsham, Wiltshire SN13 9DN  
**Times:** 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 654417  
**Features:** 25 layouts, trade support, refreshments and parking.

## 10 CANVEY ISLAND MODEL RAILWAY EXHIBITION

**Hosts:** Castle Point Transport Museum  
**Location:** Castle Point Transport Museum, Point Road, Canvey Island SS8 7TD  
**Times:** 10.30am-5pm  
**Prices:** Adults £3.50, concessions £2.50, accompanied children under 14 free  
**Website:** [www.castlepointtransportmuseum.co.uk](http://www.castlepointtransportmuseum.co.uk)  
**Features:** Layouts, trade support, refreshments and parking.

## 16 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)  
**Features:** Layouts, trade support, refreshments, parking and disabled access.

## 16 FORDINGBRIDGE MODEL RAILWAY EXHIBITION

**Hosts:** Fordingbridge Rotary Club  
**Location:** Avonway Community Centre, Shaftsbury Street, Fordingbridge, Hampshire SP6 1JF  
**Times:** 10.30am-4.30pm  
**Prices:** Adults £4, 12-16 £1, children under 12 free  
**Website:** [www.fmr.org.uk](http://www.fmr.org.uk)  
**Features:** 14 layouts, trade support, societies, live steam and refreshments.

## 16 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 £5, children £2, family £12  
**Contact:** 07595 255150  
**Features:** 15 layouts, trade support, refreshments and parking.

## 16/17 BRIERFIELD MODEL RAILWAY EXHIBITION

**Hosts:** Brierfield Model Railway Club  
**Location:** St Luke's Church Hall, Brierfield, Nelson, Lancashire BB9 5JW  
**Times:** Sat 10am-5pm, Sun 10am-4pm  
**Prices:** Adults £3.50, children £2, family (2+2) £10  
**Website:** [www.pfmrs.org.uk](http://www.pfmrs.org.uk)  
**Contact:** 07770 331348  
**Features:** Layouts, trade support, refreshments and disabled access.

## 16/17 KEMPTON STEAM MUSEUM MODEL RAILWAY WEEKEND

**Hosts:** Kempton Steam Museum in conjunction with Twickenham and District Model Railway Club  
**Location:** Kempton Park Water Treatment Works, Snakey Lane, Hanworth, Middlesex TW13 7ND  
**Times:** Sat 10.30am-4pm, Sun 10.30am-4pm  
**Prices:** Adults £7, concessions £6, children free  
**Website:** [www.kemptonsteam.org](http://www.kemptonsteam.org)  
**Contact:** 01932 765328  
**Features:** Layouts, displays, outdoor rides and steam museum exhibits.

## 16/17 SCALEFOUR NORTH 2016

**Hosts:** Scalefour Society  
**Location:** Queen Elizabeth Grammar School, Northgate, Wakefield WF1 3QX  
**Times:** Sat 10am-5pm Sun 10am-4pm  
**Prices:** Adults £7, members £6, accompanied children free  
**Website:** [www.scalefour.org/scalefournorth](http://www.scalefour.org/scalefournorth)  
**Features:** Layouts, trade support, societies, demonstrations, refreshments and parking.

## 16/17 SOUTH NOTTS MODEL RAILWAY SHOW

**Hosts:** Bingham Model Railway Club  
**Location:** Cotgrave Welfare, Woodview, Cotgrave, Nottinghamshire NG12 3PJ  
**Times:** Sat 10am-5pm, Sun 10am-4.30pm  
**Prices:** Adults £5, concessions £4, children £2, family (2+2) £10  
**Website:** [www.bingham-model-rail.co.uk](http://www.bingham-model-rail.co.uk)  
**Features:** 18 layouts, trade support, demonstrations, refreshments and parking.

## 17 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.

## 23 PONTYPRIDD MODEL RAILWAY CLUB EXHIBITION

**Hosts:** Pontypridd Model Railway Club  
**Location:** Crown Hill Community Centre, Llantwit Fardre CF38 2NA  
**Times:** 10am-4pm  
**Prices:** Adults £3, accompanied children free  
**Contact:** 01443 217511  
**Features:** Ten layouts, trade support, refreshments and disabled access.

## 23 CARLTON RAILWAY SOCIETY SHOW

**Hosts:** Carlton Railway Society  
**Location:** The Courtyard, Goole DN14 6AE  
**Times:** 10am-4pm  
**Prices:** Adults £5, concessions £4, family £10

# GET MORE ONLINE!

FOR MORE SHOWS AND THE VERY LATEST LISTINGS VISIT

[WWW.HORNBYMAGAZINE.COM](http://www.hornbymagazine.com)

FOR OUR ONLINE SHOW GUIDE

**Contact:** 01405 762476  
**Features:** 15 layouts, trade support, refreshments, parking and disabled access.

## 23 DE HAVILAND MODEL RAILWAY SOCIETY EXHIBITION

**Hosts:** De Haviland Model Railway Society  
**Location:** Ludwick Way Methodist Church, Ludwick Way AL7 3PN  
**Times:** 10am-5pm  
**Prices:** Adults £4, children £2  
**Contact:** 01707 267541  
**Features:** 12 layouts, trade support, refreshments, parking and disabled access.

## 23 FAREHAM ROTARAIL 2016

**Hosts:** Rotary Club of Fareham  
**Location:** Fareham College, Bishopfield Road, Fareham, Hampshire PO14 1NH  
**Times:** 10.30am-5pm  
**Prices:** Adults £6, children £2  
**Website:** <http://rotarail2016.webs.com>  
**Contact:** 01329 663685  
**Features:** 21 layouts, trade support, demonstrations, refreshments, parking and disabled access.

## 23 HORSHAM MODEL RAILWAY EXHIBITION

**Hosts:** Horsham Model Railway Club  
**Location:** St Leonard's Church Hall, Cambridge Road, Horsham RH13 5ED  
**Times:** 10am-5pm  
**Prices:** Adults £3.50, children £2  
**Website:** [www.horshammrc.org.uk](http://www.horshammrc.org.uk)  
**Contact:** 07894 875950  
**Features:** 15 layouts, trade support, refreshments and disabled access.

## 23 RUSHDEN MODEL RAILWAY EXHIBITION

**Hosts:** Hope Methodist Church  
**Location:** Rushden Academy, Hayway, Rushden, Northampton NN10 6AG  
**Times:** 10am-4.30pm  
**Prices:** Adults £5, concessions £3, children £3, family (2+2) £10  
**Contact:** 01933 400774  
**Features:** Layouts, trade support, refreshments, parking and disabled access.

## 23 WEYMOUTH MODEL RAILWAY ASSOCIATION OPEN DAY

**Hosts:** Weymouth Model Railway Association  
**Location:** Memorial Hall, Victoria Avenue, Dorchester Road, Weymouth DT3 5NG  
**Times:** 10am-3.30pm  
**Prices:** Free  
**Contact:** 01305 778869  
**Features:** Club layouts, refreshments, parking and disabled access.

## 23/24 EPSOM SHOW

**Hosts:** Epsom and Ewell Model Railway Club  
**Location:** North East Surrey College of Technology (NESCOL), 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:** 16 layouts, trade support, demonstrations, refreshments, parking and disabled access.

## 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.



# RAILS OF SHEFFIELD

PHONE/ORDER HOTLINE  
**(0114) 2551436**

Open 9:00am - 5:00pm

24 Hr Answerphone service for orders

SHOP OPENING HOURS:

9:30am - 5:00pm

Monday - Saturday

Free parking outside the door!

**HORNBY**

**HORNBY**

**FULL RANGE STOCKED AT BARGAIN PRICES**

R3004	BR 4-6-0 'Serlby Hall' B17 Class - Early BR weathered	£116.50
R3004X	BR 4-6-0 'Serlby Hall' B17 Class - Early BR weathered	£133.50
R3115	BR 4-6-2 Unrebuilt West Country Class 'Exeter' BR Grn #34001	£124.50
R3235	BR 4-4-0 D16/3 Class - Early BR (1948) Locomotive	£87.50
R3243B	BR 2-6-0 62064 K1 Late BR	£114.50
R3261	Network Rail 0-6-0 Class 08 417 Diesel Shunter	£84.50
R3262	DCR A1A-A1A Diesel Class 31452 Locomotive	£142.50
R3266	BR Sub-Sector Co-Co Diesel Electric 'Quinga' Class 60090	£139.50
R3299	'Going Home' - 1945-2015: 70th Anniversary of the end of the Second World War Train Pack - Limited Edition	£259.50
R3300	Sir Winston Churchill's Funeral Train Pack - Limited Edition	£239.50
R3301	BR Green 4-6-0 'Earl of Mount Edgumbe' 4073 Castle Class 2014 Loco	£127.50
R3303	BR 4-4-0 D16/3 Class - Early BR, Weathered	£96.50
R3304	BR 0-6-0 Drummond 700 Class - Early BR, Weathered	£96.50
R3310	BR 4-6-2 'Bude' West Country Class - Late BR	£124.50
R3311	BR 4-4-0 'Westminster' Schools Class - Early BR	£119.50
R3312	BR Green 4-6-2 'Minori' A3 Class - BR 1955	£136.50
R3313	LMS 0-6-0 4F Class - LMS Unlined Locomotive	£87.50
R3315	BR Black 4-4-0 Fowler 2P Class - Late BR Loco	£87.50
R3316	S&D/R 4-4-0 Fowler 2P Class Locomotive	£87.50
R3318	BR 4-6-0 'Gilwell Park' B17/3 Class - Early BR Locomotive	£116.50
R3320	BR Blue 4-6-2 'Golden Eagle' A4 Class - Early BR Locomotive	£127.50
R3323	BR Black 4-6-0 'Black 5' Class 5MT - Late Crest	£119.50
R3324	LNOR 0-6-0 T J50 Class Locomotive	£69.50
R3325	BR 0-6-0 T J50 Class Locomotive - Early BR	£69.50
R3327	BR Black 2-8-0 Class 01 Locomotive 63663	£119.50
R3328	BR 4-6-0 Maunsell S15 Class - Early BR	£119.50
R3330	BR 4-6-0 'King George V' 6000 Class - Early BR	£139.50
R3331	GWR 4-6-0 'King James I' 6000 Class	£139.50
R3332	BR 4-6-0 'King Edward VIII' 6000 Late BR	£139.50
R3333	BR 4-4-2T Adams Radial 415 Class - Early BR	£105.50
R3334	BR 4-4-2T Adams Radial 415 Class - Late BR	£105.50
R3335	LSWR 4-4-2T Adams Radial 415 Class - LSWR Preserved	£105.50
R3336	LNOR 4-6-2 'Flying Scotsman' A3 Class - NRM 2015 Rededication	£149.50
R3343	First Great Western Class 08 822 Diesel Shunter 'John'	£104.50
R3345	Freightliner Co-Co Diesel Class 66504	£61.50
R3351	Northern Rail Diesel Class 153 Diesel Loco	£79.50
R3365	East Coast Trains Bo-Bo Electric Class 91 120 Loco	£79.50
R3370TTS	BR 4-6-0 'King Richard II' 6000 Class BR (Early) with TTS Sound	£179.50
R3374	BR Class 71 '71012' - BR Blue	£126.50
R3384TTS	BR 4-6-0 'King George I' 6000 King Class, Late BR-TTS Sound	£164.50
R3388TTS	Bo-Bo Class 67 'Cairn Gorm' 67004 Caledonian Sleeper - TTS Sound	£144.50
R3392TTS	RailRoad BR Class 40 40164 with TTS Sound	£77.50
R3393TTS	RailRoad RFD Class 47 47033 with TTS Sound	£77.50
R3410	BR 4-6-0 'King Henry III' 6000 King Class - Early BR Locomotive	£142.50
R3411	SR 4-6-0 827 Maunsell S15 Class Locomotive	£119.50
R3412	BR 4-6-0 30842 Maunsell S15 Class - Early BR	£119.50
R3424	LNOR 0-8-0 Raven Q6 Class Locomotive	£117.50
R3425	BR 0-8-0 Raven Q6 Class - BR Early Locomotive	£117.50
R3426	BR 0-8-0 Raven Q6 Class - BR Late Locomotive	£117.50
R3427	Peckett 0-4-0T W4, Base Livery 563 'Dodo'	£68.50
R3428	Peckett 0-4-0T W4, Manchester Ship Canal	£68.50
R3429	Peckett 0-4-0T W4, Huntley & Palmer	£68.50
R3456	BR 4-6-0 'Sir Hervey de Revel' N15 King Arthur Class	£137.50

See our website for full Hornby 2016 range.

## 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



**BACHMANN**

**BACHMANN**

**FULL RANGE STOCKED AT BARGAIN PRICES**

30-048	The Highlander Digital Sound Train Set	£249.50
30-325	Ambulance Train No.40 Train Pack	£131.50
31-089	3200 (Earl) Class 3214 GWR Green Shirt-Button Monogram	£111.95
31-119	BR Standard Class 4MT #75035 BR Black L/Crest - Weathered	£127.46
31-168	OO Scale L&YR 2-4-2 Tank 10713 LMS Crimson	£84.95
31-169	OO Scale L&YR 2-4-2 Tank 50705 BR Lined Black Early Emblem	£84.95
31-204	Patriot Class 5330 'Sir Frank Ree' LMS Crimson	£131.71
31-214	Patriot Class 4-6-0 'Giggleswick' #45538 BR Green Early Emblem	£131.71
31-433	Midland Class 1F 1739 LMS Black Open Cab	£81.56
31-434	Midland Class 1F 41803 BRITISH RAILWAYS Black	£81.56
31-440	lvatt Class 2MT 2-6-2 Tank #41243 BR Lined Black Early Emblem	£106.21
31-461A	C Class 0-6-0 1294 Southern Railway Black	£106.21
31-462A	C Class 0-6-0 31227 BR Black Early Emblem	£106.21
31-480	G2A 9376 LMS Black with Tender Back Cab	£101.96
31-528A	Class A2 60529 'Pearl Diver' BR Lined Green Late Crest	£135.95
31-528B	Class A2 60536 'Trimbush' BR Lined Green Early Emblem	£135.95
31-614	Class V3 Tank #67609 BR Lined Black Late Crest Cranked Pipes	£106.21
31-615	Class V3 Tank #67690 BR Lined Black Early Emblem	£106.21
31-656	Class 47 47256 BR Green Full Yellow Ends (TOPS) Weathered	£110.46
31-659	Class 47 47001 BR Blue Weathered	£110.46
31-659DS	OO Scale Class 47 47001 BR Blue (DCC Sound)	£203.96
31-660	Class 47/4 47436 BR Blue Large Logo	£101.96
31-679	Type ALS Electric #E3095 BR Electric Blue Small Yellow Panel	£111.95
32-034A	Class 20 20141 BR Green Full Yellow Ends Weathered	£91.95
32-034B	Class 20 #20124 BR Blue Indicator Disks - Weathered - SOUND	£183.95
32-044	Class 20 #D8028 BR Green Indicator Disks with Tablet Catcher	£87.95
32-045	Class 20 20118 'Saltburn-by-the-Sea' BR Railfreight Red Stripe	£87.95
32-065	Class 43 'Warship' #D865 'Zealous' D865 BR Maroon Yellow Panel	£111.50
32-085	Class 56XX #6639 BR Black Early Emblem	£71.95
32-115B	Class 08 08818 BR Blue Wasp Stripes Weathered	£84.96
32-119	Class 08 08907 DB Schenker	£76.46
32-120	Class 08 13287 BR Plain Green Early Emblem	£76.46
32-131	Class 45XX Prairie Tank 4539 Great Western Green	£80.71
32-227B	Fowler Class 3F 0-6-0 (Jinty) 7341 LMS Black	£67.95
32-235	Fowler Class 3F 0-6-0 (Jinty) 47673 BR Black Late Crest Weathered	£75.95
32-285	Class 101 2 Car DMU BR Green with Speed Whiskers	£127.95
32-287A	Class 101 2 Car DMU BR Blue & Grey Weathered	£124.50
32-331	Class 25/1 #25043 BR Green Full Yellow Ends - Weathered	£83.95
32-390	Class 37/7 37706 'Conidae' Railfreight Petroleum Sector	£101.96
32-391DS	Class 37/7 37796 Railfreight Coal Sector - SOUND	£203.96
32-442	Class 24/1 #24137 BR Blue	£93.46
32-482	Class 40 97407 'Aureol' BR Blue Departmental Weathered	£127.46
32-483	Class 40 D338 BR Green Split Head Code Small Yellow Panel	£118.96
32-484	Class 40 BR 40159 BR Blue Centre Head Code Full Yellow Ends	£118.96
32-561	Class A1 60122 'Curlew' BR Express Blue Early Emblem	£144.46
32-575A	lvatt Class 4MT 3000 LMS Black	TBA
32-610	Class 90 90023 Intercity	TBA
32-611	Class 90 90037 Railfreight Distribution	TBA
32-612	Class 90 90042 Freightliner 'Powerhaul'	TBA
32-680	Class 45 #45036 BR Blue Split Centre Head Code	£95.95
32-762DS	Class 57/3 'The Hood' #57312 Virgin - Weathered - SOUND	£191.95
32-784	Class 37/0 #37242 Mainline Blue Centre Head Code - Weathrd	£99.95
32-785DS	Class 37/0 #37254 BR Departmental - Weathered - SOUND	£191.95
32-786	Class 37/0 #37174 EWS Domino Head Code - Weathered	£99.95
32-850A	lvatt Class 4MT 43014 BR Late Crest Weathered	TBA
32-858	BR Standard Class 9F 92189 BR Black L/Crest IF Tender W/thrd	TBA
32-880	Fairburn 2-6-4 Tank 2278 LMS Black Weathered	£106.21
32-881	Fairburn 2-6-4 Tank 42105 BR Lined Black E/Emblem Weathered	£114.71
32-882	Fairburn 2-6-4 Tank 42062 BR Lined Black Late Crest	£106.21
32-981	Class 66 66416 Freightliner Powerhaul	£118.96
32-982	Class 66 66434 DRS Plain Blue Compass	£118.95
32-991	Wickham Type 27 Trolley Car BR Maroon	£67.96
32-992	Wickham Type 27 Trolley Car BR Engineers Yellow	£67.96
32-993	Wickham Type 27 Trolley Car BR Engineers Yellow Wasp Stripes	£67.96

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.

**GRAHAM FARISH**

**GRAHAM FARISH**

**FULL RANGE STOCKED AT BARGAIN PRICES**

371-015C	Class 08 08672 BR Blue Wasp Stripes	£71.95
371-021A	Class 08 D3785 BR Green Late Crest	£71.95
371-033	Class 20 D8011 BR Green Small Yellow Panel Weathered	£91.50
371-034	Class 20 20132 BR Railfreight Red Stripe	£83.50
371-035	Class 20 Twin Pack Hunslet-Barclay	£178.07
371-050C	Class 04 D2283 BR Green Warning Stripes	£72.21
371-051C	Class 04 D2295 BR Blue Wasp Stripes	£67.95
371-054	Class 04 D2332 'Lloyd' NCB Yellow	£67.95
371-063	Class 03 D2383 BR Green Wasp Stripes Weathered	£76.46
371-064	Class 03 03170 BR Blue Wasp Stripes & Air Tanks Weathered	£76.46
371-168	Class 37/5 #37506 Railfreight Red Stripe	£95.50
371-286	Class 55 'Kings Own Yorkshire Light Infantry' #D9002 BR Grn SYP	£95.50
371-287	Class 55 'Prince of Wales's Own Regiment of Yorkshire' #55005 Blue	£95.50
371-329	Class 150/2 #150247 BR Sprinter - Weathered	£131.71
371-330	Class 150/1 #150128 First Great Western	£123.21
371-350A	Class 60 60035 EWS	£101.96
371-358	Class 60 60021 Colas	£101.96
371-383A	Class 66 66101 DB Schenker	£101.96
371-384	Class 66 #66209 EWS - Weathered	£99.50
371-396	Class 66 (Low Emission Variant) 'Interhub GB' #66731 GBRF	£95.50
371-397	Class 66 66434 DRS Plain Blue Compass	£101.96
371-455	Class 37 #37251 BR Blue - Weathered	£99.95
371-604	Class 42 Warship 'Onslaught' #D832 BR Green	£94.50
371-656	Class 57 #57312 Network Rail Yellow	£95.50
371-880	Class 108 2 Car DMU BR Green Small Yellow Panel	£123.21
371-987	Class 64xx 0-6-0 Pannier Tank #6400 BR Lined Green Late Crest	£76.46
372-060	Midland Class 4F #43924 BR Black Late Crest Fowler Tender	£87.50
372-061	Midland Class 4F #3851 LMS Black Johnson Tender	£87.50
372-062	Midland Class 4F #43875 BR Black Early Emblem Johnson Tender	£87.50
372-080	Class B1 #61045 BR Lined Black Early Emblem - Weathered	£118.96
372-138	Class 5 #5190 LMS Plain Black	£103.50
372-139	Class 5 #45206 BR Lined Black Early Emblem	£111.50
372-310	Merchant Navy Class #35024 'East Asiatic Company' BR Blue E/E	£127.95
372-311	Merchant Navy Class 35023 Holland-Afrika Line	£127.95
372-312	Merchant Navy Class #35028 'Clan Line' BR Green Late Crest	£127.95
372-313	Merchant Navy Class 35021 New Zealand Line	£127.95
372-330	BR Standard Class 3MT Tank #82028 BR Black L/C - Weathered	£101.96
372-331	BR Standard Class 3MT Tank #82020 BR Plain Green Late Crest	£93.46
372-385	Class A2 'AH Peppercorn' #525 LNER Apple Green	£127.95
372-386	Class A2 'Bachelors Button' #60537 BR Brunswick Green E/E	£127.95
372-387	Class A2 60527 'Sun Chariot' BR Lined Green Late Crest	£127.95
372-536	Class 4MT Tank #80119 BR Lined Black Late Crest	£97.71
372-578	Rebuilt Royal Scot 'Royal Scot' #6100 LMS Crimson (Preserved)	£118.96
372-579	Rebuilt Royal Scot 'Royal Ulster Rifleman' #46122 BR Green Late Crest - Heavily Weathered	£127.46
372-626	lvatt Class 2MT BR Lined Black E/E Locomotive 46440	£95.50
372-653	BR Standard Class 4MT #76079 BR Lined Black Early Emblem	£103.95
372-725	BR Standard Class SMT 73068 BR Lined Grn Late BRIC Tender	£103.50
372-750	Fairburn 2-6-4 Tank #2691 LMS Black Locomotive	£91.50
372-930	N Class 2-6-0 #1406 SR Olive Green Slope-sided Tender	£99.95
372-931	N Class 2-6-0 #31844 BR Black Early Emblem	£99.95
372-932	N Class 2-6-0 #31811 BR Black Late Crest	£99.95
372-933	N Scale N Class 2-6-0 810 SWCR Grey	£99.95

**RAILS BLACK LMS LIMITED EDITIONS**

31-999X	LMS Twin Loco 10001 in BR Black with Chrome trimmings and no emblem	£134.99
---------	---	---------

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 despatch), £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 P031-41 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.

**dapol 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	Classes A4 Pacific, A1/A2 Pacific, A1 Pacific 'Tornado'	£94.50
Decoder with Speaker	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	Classes 03/08/20/24/25/31/37/40/43 HST/44/45	£94.50
Decoder with Speaker	47/50/52/55/57/66/67/108 DMU/158 Sprinter	
DCCSSFIT	Fitting service for all OO gauge Steam Classes	£25.00
DCCDIFIT	Fitting service for all OO gauge Diesel Classes	£25.00

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
50095	ECoSDetector Extension Module - 32 outputs	£42.50
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 HELJAN AT BARGAIN PRICES**

OO GAUGE O GAUGE

**FULL RANGE STOCKED**

Call us or see our website for more details and bargain prices

3910	LNER Class 02/3 'Tango' 2-8-0 #3965 LNER Black - Stepped Tender	£147.50
3911	Ex-LNER Class 02/3 'Tango' 2-8-0 #63954 BR Black - Stepped Tender	£147.50
3921	Ex-LNER Class 02/4 'Tango' 2-8-0 #63983 BR Black with E/C - Flush Tender	£147.50
5350	Class 53 D0280 FALCON in 'as-built' lime green & brown with original printed nameplates	£545.00
5351	Class 53 D0280 FALCON in BR 2-tone green with sm yell warn panels/etched nameplates	£545.00
5352	Class 53 1200 FALCON in BR blue livery with full yellow ends and etched nameplates	£545.00

**dapol DAPOL AT BARGAIN PRICES**

**Dapol 'O' Gauge 08**

7D-008-000	Class 08 # D3048 BR Green L/C No Warning Panels	£169.95
7D-008-001	Class 08 # 13115 BR Green E/C No Warning Panels	£169.95
7D-008-002	Class 08 # 08529 BR Blue Wasp Stripes	£169.95
7D-008-003	Class 08 # D3084 BR Green Wasp Stripes Late Crest	£169.95

**PHONE/ORDER HOTLINE**

**(0114) 2551436**

Open 9:00am - 5:00pm

24 Hr Answerphone service for orders



**Gift Vouchers**

Why not treat someone to a RAILS of Sheffield Gift Voucher. Purchase by phone or through our website.

**GAUGEMASTER GAUGEMASTER AT BARGAIN PRICES**

DCD-ADS8FX	DCC Concepts DCD-ADS8FX COBALT Solenoid Accessory Decoder (8 output)	£64.00
DCD-ADS2FX	DCC Concepts DCD-ADS2FX COBALT Solenoid Accessory Decoder (2 output)	£16.95
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	£149.50
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	£46.75
DCC40	Auto Reverse Module	£31.50
DCC51	Prodigy Wireless Conversion Set	£199.50
DCC55	Prodigy Advance Wired Computer Interface Cable	£43.50
Model D	Twin Track Controller	£67.50
Model Q	Four Track Controller	£124.50
PM1	Point Motor with Accessory Switch	£4.25
PM2	Point Motor	£3.50
PM4	Point Motor Self Latching with Switch	£4.95
100M	Single Power Controller	£67.95

**PECO 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 Call us or see our website for more details and bargain prices

OOJ94-001	Class J94 0-6-0 Steam Loco #68023 BR E/C black with tall coal bunker	£81.50
OOJ94-002	Class J94 0-6-0 Steam Loco #68061 BR original bunker height	£81.50
OOJ94-003	Class J94 0-6-0 Steam Loco #68064 LNER with original bunker height	£81.50
OOJ94-004	Class J94 0-6-0 Steam Loco #80223 LNER with original bunker height	£81.50
OOJ94-005	Class J94 0-6-0 Steam Loco #68068 BR with tall bunker	£81.50
N17-001	Class 17 Clayton BR Blue Diesel Loco D8574	£97.50
N17-002	Class 17 Clayton BR Blue Diesel Loco D8512	£97.50
N17-003	Class 17 Clayton BR Green with small yellow warning panel Diesel Loco D8555	£97.50
N17-004	Class 17 Clayton BR Green with small yellow warning panel Diesel Loco D8536	£97.50
N17-005	Class 17 Clayton BR Green with small yellow warning panel Diesel Loco D8501	£106.50
N17-006T	Class 17 Clayton Diesel Loco D8574 BR blue (powered) + D8583 BR blue (dummy) Twin Pack	£127.50
N17-007T	Diesel Loco D8616 BR green SYMP (powered) + D8561 BR green SYMP (dummy) Twin Pack	£127.50

**CUSTOM FINISHED LOCOMOTIVES PROFESSIONALLY WEATHERED**

31-999XW	Bachmann OO LMS Twin 10001 BR Black/Chrome Diesel Locomotive Weathered	£149.50	32-815W	Class 47 834 'Fire Fly' BR Intercity Swallow Diesel Weathered	£89.50	R3273W	RailRoad BR 2-10-0 Franco Crossti Boiler 9F Class - Early BR Weathered	£149.99
31-999XLC	Bachmann OO LMS Twin 10001 BR Black/Chrome Diesel Locomotive with Large Crest	£149.50	32-816W	Class 47 365 'Diamond Jubilee' BR Railfreight Distribution Weathered	£89.50	R3274W	Hornby RailRoad BR Black Class 9F Crossti Boiler 2-10-0 Locomotive 92023 Weathered	£149.99
31-999XLCW	Bachmann OO LMS Twin 10001 BR Black/Chrome Diesel Locomotive Weathered with Large Crest	£169.50	32-817W	Class 47 745 'Royal London Society For The Blind' RES Red & Grey Weathered	£89.50	R3246TTSW	LNER 2-8-2 'Cock O' The North' P2 Class Locomotive with TTS Sound Weathered	£129.50
31-999XSFV	Bachmann OO LMS Twin 10001 BR Black/Chrome Diesel Locomotive Weathered & DCC Fitted with Sound!	£289.50	32-515AW	Derby Lightweight 2 Car DMU BR Green Half-Yellow Ends Weathered	£89.50	R2879W	Hornby BR Class 55 Diesel Locomotive BR Blue Weathered	£69.50
			32-905W	Class 108 2 Car DMU BR Blue/Grey with Yellow Ends Weathered	£99.50			

**ALSO STOCKED AT BARGAIN PRICES**

In addition to full ranges from all the manufacturers featured here we also offer full ranges from:



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**

TELEPHONE/ORDER  
HOTLINE

(0114) 2551436

Open 9:00 am - 5:00 pm  
24 Hr Answerphone service for orders



RAILS OF SHEFFIELD

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 quoting reference RM2013, all enquiries answered.



Welcome to our project update feature, with the latest status of forthcoming releases from all major manufacturers. Use it to see the progress of projects you are interested in. The web address in the "link" column can be used to view products online, and to place your preorders.

**0151 733 3655**

**17 Montague Road,  
Widnes, WA8 8FZ**

Phone opening times: Mon to Sat 7am-5pm, Sun 9am-5pm  
Shop opening times: Mon to Sat 9am-5pm, Sun 10am-4pm

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Wickham trolley car	<a href="http://ehattons.com/wtc">ehattons.com/wtc</a>	£67.96	Mar 2013							
Class 5P4F	<a href="http://ehattons.com/5p4f">ehattons.com/5p4f</a>	£131.70 (EST)	Mar 2013							
Class 90 Electric	<a href="http://ehattons.com/c90">ehattons.com/c90</a>	£119.00 (EST)	Jul 2014							
LNWR Webb coal tank	<a href="http://ehattons.com/wct">ehattons.com/wct</a>	£102.00 (EST)	Sep 2014							
Class 117 3-Car DMU	<a href="http://ehattons.com/c117">ehattons.com/c117</a>	£170.00 (EST)	Sep 2015							
Class 121 "Bubble Car"	<a href="http://ehattons.com/c121">ehattons.com/c121</a>	£127.50 (EST)	Sep 2015							

**Birdcage coaches, Class 24/1, J72, 6P, V2, 3F, J39, K3, 94xx, H2 Atlantic** - view these projects at [www.ehattons.com/projectupdates](http://www.ehattons.com/projectupdates)

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 73	<a href="http://ehattons.com/c73">ehattons.com/c73</a>	£105.00	March 2012							
Class 68	<a href="http://ehattons.com/c68">ehattons.com/c68</a>	£118.00 (EST)	April 2014							

**Class B4, IDA flat, Turbot** - view these projects at [www.ehattons.com/projectupdates](http://www.ehattons.com/projectupdates)

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
J94	<a href="http://ehattons.com/j94">ehattons.com/j94</a>	£82.00	Aug 2014							
14xx	<a href="http://ehattons.com/14xx">ehattons.com/14xx</a>	£99.00	Sep 2014							
Hatton's King	<a href="http://ehattons.com/king">ehattons.com/king</a>	£169.00- £179.00	Aug 2014							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class O2 Tango	<a href="http://ehattons.com/O2">ehattons.com/O2</a>	£148.00	Nov 2013							
Class 07 Shunter	<a href="http://ehattons.com/cl07">ehattons.com/cl07</a>	£99.00 (EST)	Jan 2016							

**Class 4700, Class 1366** - view these projects at [www.ehattons.com/projectupdates](http://www.ehattons.com/projectupdates)

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Drax Biomass Wagons	<a href="http://ehattons.com/drax">ehattons.com/drax</a>	£83.00	Jan 2016							
Class J50	<a href="http://ehattons.com/j50">ehattons.com/j50</a>	£74.06	Dec 2014							
Hornby Adams Radial	<a href="http://ehattons.com/horar">ehattons.com/horar</a>	£111.10	Dec 2014							
Class Q6 Raven	<a href="http://ehattons.com/Q6">ehattons.com/Q6</a>	£118.99	Nov 2015							
Class 71	<a href="http://ehattons.com/c71">ehattons.com/c71</a>	£127.50	Nov 2014							
Merchant Navy	<a href="http://ehattons.com/mn">ehattons.com/mn</a>	TBC	Mar 2015							
Class B12 Holden	<a href="http://ehattons.com/B12">ehattons.com/B12</a>	£123.00	Nov 2015							
SR Maunsell Coaches	<a href="http://ehattons.com/exsrmaun">ehattons.com/exsrmaun</a>	£39.99	Jun 2015							

**Collet coaches, Peckett 0-6-0** - view these projects at [www.ehattons.com/projectupdates](http://www.ehattons.com/projectupdates)

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Adam's Radial	<a href="http://ehattons.com/ar">ehattons.com/ar</a>	£88.00	Jan 2015							
Dean Goods	<a href="http://ehattons.com/oxdg">ehattons.com/oxdg</a>	£95	Jan 2015							
Hatton's ICI hopper	<a href="http://ehattons.com/ici">ehattons.com/ici</a>	£24.00 / £25.00	Mar 2015							

Shows the stage the project is at based on the information available to us. CAD: Computer Aided Design. 1st EP: First Engineering Prototype. TBC: Price is yet To Be Confirmed (EST): Price is estimated.

You can view extended lists, preorder & comment on all of these projects at

[www.ehattons.com/projectupdates](http://www.ehattons.com/projectupdates)

Information correct at the time of going to press. All information subject to change

## Now Available to Pre-Order

**HORNBY**

### Dean Goods Pre-order for £95



- OR76DG001 Dean Goods 0-6-0 2309 in Great Western green
- OR76DG002 Dean Goods 0-6-0 2409 in BR Black early emblem
- OR76DG003 Dean Goods 0-6-0 2475 in Great Western green

### 4 Plank Wagons Pre-order for £9.50



- OR76MW4001 - 4 plank wagon "NBR"
- OR76MW4002 - 4 plank wagon R. Taylor & Sons Ltd
- OR76MW4003 - 4 plank wagon Wilsons & Clyde
- OR76MW4004 - 4 plank wagon Hamilton Palace Colliery

### Cattle Wagon Pre-order for £10.50



- OR76CAT001 - BR Cattle Wagon
- OR76CAT002 - LNER Cattle Wagon

**HELJAN**

### Class 1361 Pre-order for £131



- 1300 - Class 1361 0-6-OST 1361 in GWR photographic grey
- 1301 - Class 1361 0-6-OST 1363 in GWR green with shirtbutton
- 1302 - Class 1361 0-6-OST 1364 in GWR green
- 1303 - Class 1361 0-6-OST 1365 in BR black with early emblem
- 1304 - Class 1361 0-6-OST 1363 in BR black with late crest

### Class 1366 Pre-order for £131



- 1320 - Class 1366 0-6-OPT 1366 in GWR green with shirtbutton
- 1321 - Class 1366 0-6-OPT 1369 in Great Western green as preserved
- 1322 - Class 1366 0-6-OPT 1370 in GWR green
- 1323 - Class 1366 0-6-OPT 1367 in BR black with early crest
- 1324 - Class 1366 0-6-OPT 1368 in BR black with late crest

### Merchant Navy Pre-order for £144



- R3434 - Merchant Navy 4-6-2 21C1 "Channel Packet" in SR Malachite Green
- R3435 - Merchant Navy 4-6-2 21C3 "Royal Mail" in SR Malachite Green
- R3436 - Merchant Navy 4-6-2 35028 "Clan Line" in BR Green with early emblem

### Holden B12 Pre-order for £123



- R3430 - Class B12/3 4-6-0 in LNER Lined Black
- R3431 - Class B12/3 4-6-0 in BR Lined Black with early crest
- R3432 - Class B12/3 4-6-0 in BR Lined Black with late crest

### Q6 Raven Pre-order for £118.99



- R3424 - Class Q6 Raven 0-8-0 3418 in LNER Black
- R3425 - Class Q6 Raven 0-8-0 63443 in BR Black early crest
- R3426 - Class Q6 Raven 0-8-0 63429 in BR Black late crest

## Limited Edition J94s & Austerities, 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

[www.ehattons.com/j94](http://www.ehattons.com/j94)

### Austerities & 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

[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 I" in BR lined green with late crest
- HK14 6024 "King Edward I" in BR lined green with late crest

DCC Fitted versions also available for £179  
HK01DCC - HK14DCC

[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)



Customer Service Quality Award Winner 2015

**Phones Open**  
Mon - Sat 7am to 6pm  
Sunday 9am to 5pm

17 Montague Road, Widnes, WA8 8FZ  
T: 0151 733 3655 E: [info@ehattons.com](mailto:info@ehattons.com)



**OO Gauge (1:76 Scale)**  
**Steam locos**

**R3301** Castle Class 4-6-0 5043 'Earl of Mount Edgcumbe' in BR Green early emblem (Hor) ..... £134.25

**R31-931** Class 1000 Midland Compound 4-4-0 1189 in LMS black (Bac) (list £139.95) ..... BARGAIN ..... £89

**31-932DC** Class 1000 Midland Compound 4-4-0 40934 in BR lined black early emblem, DCC On Board (Bac) (list £159.95) ..... BARGAIN ..... £89

**31-933** Class 1000 Midland Compound 4-4-0 41157 in BR lined black late crest (Bac) (list £139.95) BARGAIN ..... £89

**R3106** Class 28xx 2-8-0 2807 in GWR Green, as preserved (Hor) ..... £120

**32-828A** Class 2MT Ivatt 2-6-0 46526 BR lined green late crest - weathered (Bac) ..... £110.46

**R3315** Class 2P 4-4-0 40602 in BR Black late crest (Hor) £92.58

**R3316** Class 2P 4-4-0 44 in S&DR Blue (Hor) ..... £92.58

**31-127** Class 30xx 2-8-0 FROD 3023 in BR black early emblem (Bac) (list £129.95) ..... BARGAIN ..... £80

**31-128\*** Class 30xx 2-8-0 FROD 3036 in BR black early emblem - weathered (Bac) (list £142.95) ..... BARGAIN ..... £94

**31-089** Class 32xx 4-4-0 Dukedog 3214 in GWR green shirtbutton logo (Bac) ..... £118.96

**31-088** Class 32xx 4-4-0 Dukedog 3028 BR black early emblem (Bac) ..... £118.96

**32-235** Class 3F Fowler Jinty 0-6-0 tank 47673 in BR black late crest - weathered (Bac) ..... £80.71

**32-227B** Class 3F Fowler Jinty 0-6-0 tank 7341 in LMS black (Bac) ..... £72.21

**R2882** Class 3P Jinty 0-6-0T 24 in S&DR Blue (Hor) (list £32.49) ..... BARGAIN ..... £21

**R3314** Class 4F 0-6-0 44341 in BR Black early crest (Hor) ..... £92.58

**32-880** Class 4MT Fairburn 2-6-4 tank 2278 LMS black - weathered (Bac) ..... £106.21

**32-882** Class 4MT Fairburn 2-6-4 tank 42062 BR lined black late crest (Bac) ..... £106.21

**31-168** Class 5 L&YR 2-4-2T 10713 in LMS crimson (Bac) ..... £90.06

**31-169** Class 5 L&YR 2-4-2T 50795 BR lined black early emblem (Bac) ..... £90.06

**32-085** Class 56XX 0-6-2 66389 in BR black early emblem (Bac) £76.46

**32-084** Class 56XX 0-6-2 6677 in GWR green (Bac) ..... £76.46

**31-188** Class 5XP Jubilee 4-6-0 45565 'Victoria' in BR lined green late crest - weathered (Bac) ..... £127.46

**R3331** Class 6000 4-6-0 'King James I' 6011 in GWR Green (Hor) ..... £159.99

**R3332** Class 6000 King 4-6-0 'King Edward VIII' in BR Late Crest Green (Hor) ..... £159.99

**R3370TTS** Class 6000 King 4-6-0 'King Richard II' BR Early Crest Blue - featuring TTS sound (Hor) ..... £179.99

**R3330** Class 6000 King 4-6-0 6000 'King George V' in BR green early crest (as preserved) (Hor) ..... £148.14

**R3278** Class 6P Patriot 4-6-0 45518 'Bradshaw' in BR Green early crest - Railroad range (Hor) ..... £64.80

**R3310** Class 7P6F West Country 4-6-2 34006 "Bude" in BR Green late crest (Hor) ..... £129.62

**R3244TTS** Class 8 4-6-2 71000 "Duke Of Gloucester" in BR Green late crest - TTS Sound fitted (Hor) (list £139.99) BARGAIN ..... £94

**R3288** Class 9F 2-10-0 92220 "Evening Star" in BR Green late crest (Hor) NEW ..... £83.40

**R3286** Class A1 "Flying Scotsman" in LNER Apple Green (Railroad range) (Hor) (list £84.99) ..... BARGAIN ..... £55

**R3284TTS** Class A1 4-6-2 4472 "Flying Scotsman" in LNER Green TTS Sound - Railroad range (Hor) ..... £92.70

**32-550B\*** Class A1 4-6-2 60163 "Tornado" in BR lined Brunswick green (Bac) (list £159.95) ..... BARGAIN ..... £95

**R3060** Class A1 4-6-2 60163 "Tornado" in British Railways Apple Green (Railroad Range) (Hor) (list £89.99) BARGAIN ..... £56

**R3086U** Class A1 4472 "Flying Scotsman" LNER Apple Green (unboxed) (Hor) ..... £49

**31-528A** Class A2 4-6-2 60520 "Pond Diver" BR lined green late crest (Bac) ..... £144.45

**31-531** Class A2 4-6-2 60536 "Trimbrush" in BR lined green early emblem (Bac) ..... £144.45

**R3336** Class A2 4-6-2 4472 "Flying Scotsman" in LNER Green - NFM Special Edition (Hor) ..... £157.40

**R3312** Class A3 4-6-2 60062 "Minoru" in BR Green early emblem (Hor) ..... £143.51

**R3307** Class A4 4-6-2 2510 "Quicksilver" in LNER Silver - The Silver Jubilees Collection (Hor) ..... £134.25

**R3308** Class A4 4-6-2 2511 "Silver King" in LNER Silver - The Silver Jubilees Collection (Hor) ..... £134.25

**R3320** Class A4 4-6-2 60023 "Golden Eagle" in BR Blue early crest (Hor) ..... £134.25

**R3338** Class B1 4-6-0 61310 in BR Apple Green (Hor) £129

**R3004** Class B17 4-6-0 61631 "Serlby Hall" in BR Green early emblem - weathered (Hor) ..... £106

**31-146** Class D11/1 4-4-0 62663 'Prince Albert' in BR black early emblem (Bac) ..... £101.96

**R3303** Class D16/3 4-4-0 62581 BR Black early emblem (weathered) (Hor) ..... £101.84

**35-078** Class E4 Brighton tank 0-6-2 32500 in BR black late crest (Bac) (list £109.95) ..... BARGAIN ..... £80

**35-077** Class E4 Brighton tank 0-6-2 32556 in BR black early emblem (Bac) (list £109.95) ..... BARGAIN ..... £80

**35-076** Class E4 Brighton tank 0-6-2 473 in Southern green (as preserved) (Bac) (list £109.95) BARGAIN ..... £80

**35-075** Class E4 Brighton tank 0-6-2 579 in LB & SCR umber (Bac) (list £109.95) ..... BARGAIN ..... £80

**31-320DC** Class J11 Robinson (GOR SJ) 64325 BR black late crest, DCC Fitted (Bac) ..... £93.46

**R3381** Class J15 0-6-0 65475 in BR black early emblem (Hor) ..... £101.90

**R3380** Class J15 0-6-0 7510 in LNER Black (Hor) ..... £101.90

**R3324** Class J50 0-6-0T 635 in LNER Lined Black (Hor) ..... £74.06

**R3326** Class J50/3 0-6-0T 68971 in BR Black late crest (Hor) ..... £74.06

**R3325** Class J50/4 0-6-0T 68987 in BR Black early emblem (Hor) ..... £74.06

**R3242A** Class K1 2-6-0 62032 in BR Black early emblem (Hor) NEW ..... £120.50

**R3305** Class K1 2-6-0 62059 in BR Black early crest (weathered) (Hor) ..... £120.36

**R3243B** Class K1 2-6-0 62064 in BR Black late crest (Hor) NEW ..... £120.50

**3910** Class O2/3 Tango 2-8-0 3965 in LNER black stepped tender (Hel) NEW ..... £148

**3911** Class O2/3 Tango 2-8-0 63954 in early British Railways black stepped tender (Hel) NEW ..... £148

**3921** Class O2/4 Tango 2-8-0 63983 in BR black early crest flush tender (Hel) NEW ..... £148

**R3329** Class S15 4-6-0 30830 in BR Black late crest (Hor) ..... £124.99

**R3328** Class S15 4-6-0 30843 in BR Black early emblem (Hor) ..... £124.99

**R3327** Class S15 4-6-0 824 in Southern Railway Olive Green (Hor) ..... £124.99

**R3277** County Class 4-4-0 "County Of Devon" in Great Western Green - Railroad range (Hor) ..... £64.90

**UK P&P £4 PER ORDER**  
**£2 per single diecast item**

**£7 guaranteed Next Day delivery**  
**(Orders before 2pm)**



R3279 County Class 4-6-0 1016 "County Of Hants" in BR Green early crest - Railroad range (Hor) ..... £69.50  
 R3205 Hall Class 4-6-0 4965 'Flood Ashton Hall' in BR Green - Special edition etched name & number (Hor) ..... £105

32-954 Standard class 4MT 2-6-0 76058 in BR lined black early emblem (Bac) (list £119.95) ..... BARGAIN ..... £74

32-508 Standard Class 5MT 73049 in BR lined green late crest & BR1 tender (Bac) (list £129.95) BARGAIN ..... £82

32-509 Standard class 5MT 73109 in BR lined black early emblem and BR1B tender (Bac) (list £129.95) BARGAIN ..... £89  
 32-261 WD Austerity 2-6-0 90441 in BR black early emblem (Bac) ..... £114.71

32-260DC WD Austerity 2-6-0 90448 in BR black with late crest. DCC On Board (Bac) (list £152.95) BARGAIN ..... £109

**Train packs**

R3302 1940: Return from Dunkirk 75th Anniversary Train Pack 700 class 04-0-325 in Southern black 3 Maunsell coaches in Southern green - Ltd Ed (Hor) ..... £291.47  
 30-325 Ambulance Train No.40 Train Pack GWR Class 3700 No.3711 'City of Birmingham' in WW1 livery. 3x coaches in olive green & 6x WW1 figures (Bac) £140.20  
 25-2014 Badminton OO 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 in GWR green open wagon, closed van & brake van. Railroad range (Hor) (list £44.49) BARGAIN ..... £30  
 30-575 The Railway Children Train Pack GWR 5700 Pannier in GNSR. 2 x GNSR Coaches & Scamcroft Oakworth Station Building (Bac) ..... £114.71  
 30-525 The Shakespeare Express Train Pack Hall Class 4905 'Flood Ashton Hall' in Great Western green, 2x Pullman cars in umber & cream, BR Mk1 BSK coach in chocolate & cream & Stratford-Upon-Avon Open-top bus (Bac) ..... £195.45  
 R3220 Tysleye Connection train pack Hall Class 'Plymouth Hall' in GWR green & 3 Mk1 coaches in chocolate and cream (Hor) (list £199.99) BARGAIN ..... £149

R3300 Winston Churchill's Funeral Train Pack Battle of Britain class 4-6-2 24051 "Winston Churchill" in BR green late crest, 2 Pullman coaches & SR Baggage car - Ltd Ed (Hor) ..... £222.21

**Diesel locos**

10001HAP - 10001 BR Brunswick green orange, black & orange lining. Aug 1956 - Oct 1957. (Dap) (list £105) ..... BARGAIN ..... £94  
 R3283 Bagnall shunter in red - Railroad range (Hor) (list £29.99) BARGAIN £20  
 2501 Class 05 Hunslet shunter D2578 BR green wasp stripes (preserved) (Hel) ..... £100

2502 Class 05 Hunslet shunter D2581 in BR green wasp stripes (Hel) ..... £100

2522 Class 05 Hunslet shunter D2595 in BR blue wasp stripes (preserved) (Hel) ..... £100

1513 Class 15 ADB968003 (Carriage pre - heating unit) in BR Sherwood green full yellow ends (Hel) ..... £94

1509 Class 15 D8204 in BR green numbers on front & rear (Hel) ..... £94  
 1511 Class 15 D8234 in green small yellow panels (Gloss) (Hel) ..... £94

1512 Class 15 D8242 in BR green small yellow panels & serifed numbers & double arrows (Hel) ..... £94

1601 Class 16 North British diesel D8401 BR green small yellow warning panels. Ltd Ed of 750 (general release). (Hel) (list £134.95) ..... BARGAIN ..... £72

1602 Class 16 North British diesel D8404 BR green Stratford-style yellow warning panels. Ltd Ed of 750 (general release) (Hel) (list £134.95) ..... BARGAIN ..... £72

1603 Class 16 North British diesel D8407 BR green with full yellow ends. Ltd Ed of 750 (general release) (Hel) (list £134.95) ..... BARGAIN ..... £72  
 1604 Class 16 North British diesel D8409 BR green grey roof. Gloss finish. Ltd Ed of 750 (general release) (Hel) (list £134.95) BARGAIN ..... £72  
 1718 Class 17 D8623 in blue full yellow ends (Hel) ..... £94

1719 Class 17 D8558 in BR green small yellow panels (Hel) ..... £94

1720 Class 17 D8594 in green small yellow panels (Hel) ..... £94

32-045 Class 20 20118 "Saltburn-by-the-Sea" BR Railfreight Plod Stripe (Bac) ..... £93.46

32-038DS Class 20 20124 in BR Blue with Indicator Discs (Weathered & DCC Sound Fitted) (Bac) ..... £195.46  
 32-034A Class 20 20141 BR Green Full Yellow Ends (weathered) (Bac) ..... £97.71  
 32-044 Class 20 D8028 BR Green Indicator Discs & Tablet Catcher (Bac) ..... £93.46

2320 Class 23 Baby Deltic D5900 green headcode discs and frost grilles - gloss (Hel) (list £129.95) BARGAIN ..... £59

2302^ Class 23 Baby Deltic diesel D5908 BR Green large yellow ends arrows (Hel) (list £119.95) BARGAIN ..... £79  
 32-431DC Class 24 24077 BR Blue Indicator Discs (DCC Fitted) (Bac) ..... £101.96

32-331 Class 25/1 25043 in BR Green Full Yellow Ends (weathered) (Bac) ..... £89.21

32-408 Class 25/3 25286 in BR Blue Domino Headcode (Bac) ..... £93.46  
 2727 Class 27 5363 in BR blue full yellow ends (Hel) ..... £94  
 2713 Class 27 5370 in BR green full yellow ends (no boiler tanks) (Hel) ..... £94  
 2711 Class 27 5373 in BR blue full yellow ends (no boiler tanks) (Hel) ..... £94  
 2712 Class 27 D5404 in green small yellow panels (Hel) ..... £94

2800^ - Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125) ..... BARGAIN ..... £80

2809^ Class 28 Co-Bo Diesel D5708 BR Green Full Yellow Ends. (Hel) (list £125) ..... BARGAIN ..... £89

R3067 Class 31 31256 BR Blue (Railroad Range) (Hor) (list £64.99) ..... BARGAIN ..... £42  
 R3344 Class 31 31285 in Network Rail (Hor) ..... £150.23  
 R3262 Class 31 31452 in DCR green (Hor) ..... £150.40

3436 Class 33/0 33047 "Spitfire" in BR engineers "Dutch" yellow & grey (Hel) NEW ..... £94

3435 Class 33/0 33049 in BR blue full yellow ends (Hel) NEW ..... £94

3415 Class 33/0 D6516 in early BR green (Hel) NEW ..... £94

3416 Class 33/0 D6551 in BR green small yellow panels (Hel) NEW ..... £94  
 3430 Class 33/0 diesel D6500 in BR blue full yellow ends (Hel) ..... £95

3414 Class 33/0 diesel D6570 in BR green full yellow ends and BR coach roundels (Hel) ..... £95

3356 Class 33/1 33102 in BR Blue full yellow ends (Hel) NEW ..... £94

3357 Class 33/1 33116 in BR engineers grey (Hel) NEW ..... £94

3349 Class 33/1 33119 in BR Blue full yellow ends (Hel) NEW ..... £94

3348 Class 33/1 D6511 in BR Blue full yellow ends (Hel) NEW ..... £94

3329 Class 33/2 33206 in BR Blue full yellow ends (Hel) NEW ..... £94

3337 Class 33/2 33206 in Railfreight Distribution sector grey (Hel) NEW ..... £94

3327 Class 33/2 33208 in BR engineers "Dutch" grey & yellow (Hel) NEW ..... £94  
 3328 Class 33/2 6593 in BR Blue full yellow ends (Hel) NEW ..... £94  
 3520 Class 35 Hymek D7070 in BR blue full yellow ends (Hel) ..... £94

32-786 Class 37/0 37174 in EWS Domino Headcode (weathered) (Bac) ..... £106.21  
 32-785DS Class 37/0 37254 in BR Departmental Civil Link Dutch Livery (Weathered & DCC Sound Fitted) (Bac) ..... £203.96

32-381M Class 37/4 37402 in Direct Rail Services (DRS) compass blue (Bac) NEW ..... £137.95

32-390 Class 37/7 37706 "Conidae" in Railfreight Petroleum Livery (Bac) NEW ..... £101.96

32-391DS Class 37/7 37796 in Railfreight Coal Sector Livery (DCC Sound Fitted) (Bac) NEW ..... £203.96  
 R3491 Class 42 Warship D805 "Benbow" in BR green (Hor) ..... £53

32-067 Class 43 North British (NBL) Warship 842 "Royal Oak" in BR Blue (Bac) ..... £118.96  
 32-066 Class 43 North British (NBL) Warship D835 "Progress" in BR Green Small Yellow Panel (Bac) ..... £118.96

32-065 Class 43 North British (NBL) Warship D865 "Zealous" in BR Maroon Small Yellow Panel (Bac) ..... £118.96  
 32-680 Class 45 45038 in BR Blue Split Centre Headcode (Bac) ..... £101.96  
 32-681 Class 45 D108 BR Green Split Centre Headcode (weathered) (Bac) ..... £110.46  
 31-655 Class 47/3 47301 "Centurion" BR Railfreight Grey Plod Stripe (Bac) ..... £97.71

32-816 Class 47/3 47365 "Diamond Jubilee" in BR Railfreight Distribution Livery (Bac) (list £114.95) ..... BARGAIN ..... £72

32-815 Class 47/8 47834 "Fire Fly" BR Intercity Swallow Livery (Bac) (list £114.95) ..... BARGAIN ..... £78  
 4D-003-004 Class 52 D1058 "Western Nobleman" 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-003-006 Class 52 diesel D1065 "Western Consort" in BR maroon small yellow panels (Dap) ..... £119

4D-003-009 Class 52 diesel loco D1021 "Western Cavalier" in BR blue full yellow ends (Dap) ..... £109

Visit

[www.ehattons.com/hm](http://www.ehattons.com/hm)

18,000+ items available  
with live stock information



32-532 Class 55 55007 'Pinza' in BR Blue Finsbury Park White Cab windows (weathered) (Bac)..... £113.01

**BARGAIN**

R2679 Class 55 Deltic 55001 'St Paddy' in BR blue (Hor) (list £52.49)..... **BARGAIN**..... £43

32-762DS Class 57/3 57312 'The Hood' in Virgin Trains Livery (Weathered) & DCC Sound Fitted (Bac)..... £203.96

5822 Class 58 58006 Railright Redstripe Livery (Hel)..... £125

5827 Class 58 58016 EWS Livery (Hel)..... £125

5826 Class 58 58028 Plain Triple Grey Livery (Hel)..... £125

R3267XS Class 60 60005 'Skiddaw' in Transrail triple grey - Sound fitted (Hor)..... £229.90

R3266 Class 60 60090 'Quinn' in Railright Coal sector (Hor)..... £146

R3345 Class 66 66504 in Freightliner Powerhaul (Hor)..... £64.81

R3272 Class 67 67006 'Royal Sovereign' in EWS (Royal class) (Hor) (list £139.99)..... **BARGAIN**..... £110

31-588 Class 70 70005 PowerHaul in Freightliner (weathered) (Bac)..... £127.46

40-006-006B Class 73 73138 civil engineers 'dutch' - DCC sound (Dap) **NEW**..... £239

40-006-006D Class 73 73138 civil engineers 'dutch' - DCC fitted (Dap) **NEW**..... £139

4D-006-007 Class 73 73206 'Lisa' GB Rail Freight Blue/Yellow (Dap)..... £119.51

4D-006-005S Class 73 E6039 in BR early blue small yellow panels - DCC sound fitted (Dap) **NEW**..... £239

4D-006-005D Class 73 E6039 BR Early Blue yellow panels - DCC fitted (Dap) **NEW**..... £139

4D-006-001 Class 73 electro-diesel 73105 in BR blue large logo (Dap)..... £119.51

4D-006-002 Class 73 electro-diesel 73124 in BR blue full yellow ends (Dap)..... £119.51

4D-006-003 Class 73 electro-diesel 73135 in BR blue full yellow ends (Dap)..... £119.51

4D-006-000 Class 73 Intercity 73102 'Airtour Suisse' (Dap)..... £119.51

4D-006-007D Class 73 Lisa 73206 GB Railright Blue/Yellow DCC (Dap) **NEW**..... £139

OLIV003 Class 73/1 73141 'Charlotte' in First GBRF purple - Olivias Trains limited edition (Dap)..... £140

4D-006-006 Class 73/1 electro-diesel 73138 in Civil Engineers grey & yellow (Dap)..... £119.51

4D-006-005 Class 73/1 electro-diesel E6039 in early blue with small yellow panels and double arrow logo (Dap)..... £119.51

OLIV002 Class 73/2 73205 'Joanette' in GB Railright blue - Olivias Trains limited edition (Dap)..... £140

31-996 Class D16 LMS 10000 in BR Brunswick Green Plain Eggshell Blue Waistband (Bac)..... £101.96

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

R3355 Sentinel 4wDH H103 in Wattec (Hor)..... £51.84

**Electric locos**

31-678 Class 85 (AL5) Bo-Bo Electric 85026 in BR Blue single pantograph (Bac) (list £112.45)..... **BARGAIN**..... £86

31-679 Class 85 (AL5) Bo-Bo Electric E3065 BR Electric Blue small yellow panel (Bac)..... £118.96

R3365 Class 91 91120 in East Coast Trains (Hor)..... £83.32

R3480 Class 92 92016 'Brahms' Railright grey EWS 'Beastie' vinyls (Hor) **NEW**..... £79

9002 Metropolitan Bo-Bo electric 1 in London Transport wartime grey (Hel)..... £107

9000 Metropolitan Bo-Bo electric 20 in Metropolitan (Hel) £107

9001 Metropolitan Bo-Bo electric 9 'John Milton' in Metropolitan (Hel)..... £107

**HSTs**

R3270 Class 43 twin pack - Midland Mainline HST in teal green (Hor)..... £194.70

**DMUs**

32-285 Class 101 2 Car DMU in BR green speed whiskers 'Newcastle/Middlesbrough' (Bac)..... £135.96

31-535 Class 105 Cravens 2 Car DMU in BR blue full yellow ends (Power Twin Unit) (Bac) (list £119.95) **BARGAIN**..... £78

32-906 Class 108 2 Car DMU in BR green half yellow ends (Bac) (list £139.95)..... **BARGAIN**..... £72.50

32-905\* Class 108 2-car DMU in BR blue & grey full yellow ends (Bac) (list £139.95)..... **BARGAIN**..... £72.50

32-912 Class 108 3 Car DMU in BR blue full yellow ends (Bac) (list £169.95)..... **BARGAIN**..... £86

8920 Class 128 DPU 55991 in BR blue yellow ends 'Parcels Service' (Hel) (list £119.95)..... **BARGAIN**..... £59

8923 Class 128 DPU 55991 in Royal Mail Letters red (Hel) (list £119.95)..... **BARGAIN**..... £59

8993 Class 128 DPU in BR Blue full yellow ends and Midland style fronts M55990 (Hel) (list £119.95)..... **BARGAIN**..... £52

8992 Class 128 DPU in BR Blue small yellow panels and Midland style fronts M55990 (Hel) (list £119.95) **BARGAIN** £52

8991 Class 128 DPU in BR green small yellow panels & Midland style fronts M55989 (Hel) (list £119.95) **BARGAIN** £69

8990 Class 128 DPU in BR green speed whiskers and Midland style fronts M55987 (Hel) (list £119.95) **BARGAIN** £69

8902 Class 128 DPU W55991 in early BR blue white cab roof domes and yellow gateway door covers (Hel) (list £119.95)..... **BARGAIN**..... £69

8923 Class 128 DPU 55991 in Royal Mail Letters red (Hel) (list £119.95)..... **BARGAIN**..... £59

8991 Class 128 DPU W55992 in BR blue yellow ends & no branding 'Scooby Doo' - weathered (Hel) (list £129.95)..... **BARGAIN**..... £59

32-928 Class 150/1 2-car DMU 150150 in BR Regional Railways Sprinter - weathered (Bac)..... £148.71

8921 Class 128 DPU 55992 in Royal Mail Letters red (Hel) (list £119.95)..... **BARGAIN**..... £59

8942 Class 128 DPU BR blue - weathered M55905 (Hel) (list £129.95)..... **BARGAIN**..... £69

8993 Class 128 DPU in BR Blue full yellow ends and Midland style fronts M55990 (Hel) (list £119.95)..... **BARGAIN**..... £52

8992 Class 128 DPU in BR Blue small yellow panels and Midland style fronts M55990 (Hel) (list £119.95) **BARGAIN** £52

8991 Class 128 DPU in BR green small yellow panels & Midland style fronts M55989 (Hel) (list £119.95) **BARGAIN** £69

8990 Class 128 DPU in BR green speed whiskers and Midland style fronts M55987 (Hel) (list £119.95) **BARGAIN** £69

8902 Class 128 DPU W55991 in early BR blue white cab roof domes and yellow gateway door covers (Hel) (list £119.95)..... **BARGAIN**..... £69

8923 Class 128 DPU W55992 in BR blue yellow ends & no branding 'Scooby Doo' - weathered (Hel) (list £129.95)..... **BARGAIN**..... £59

32-928 Class 150/1 2-car DMU 150150 in BR Regional Railways Sprinter - weathered (Bac)..... £148.71

8991 Class 128 DPU in BR green small yellow panels & Midland style fronts M55989 (Hel) (list £119.95) **BARGAIN** £69

8990 Class 128 DPU in BR green speed whiskers and Midland style fronts M55987 (Hel) (list £119.95) **BARGAIN** £69

8902 Class 128 DPU W55991 in early BR blue white cab roof domes and yellow gateway door covers (Hel) (list £119.95)..... **BARGAIN**..... £69

8923 Class 128 DPU W55992 in BR blue yellow ends & no branding 'Scooby Doo' - weathered (Hel) (list £129.95)..... **BARGAIN**..... £59

32-928 Class 150/1 2-car DMU 150150 in BR Regional Railways Sprinter - weathered (Bac)..... £148.71

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 in BR green speed whiskers (Bac)..... £123.21

8752 Park Royal Railbus M79971 in BR green speed whiskers (Hel)..... £97

8753 Park Royal Railbus M79972 in BR green small yellow panels (Hel)..... £97

8750 Park Royal Railbus SC79970 in BR green speed whiskers (Hel)..... £97

8751 Park Royal Railbus SC79974 BR green small yellow warning panels (Hel)..... £97

8704 Railbus W&M E79962 in green large yellow panel - weathered. (Hel) (list £129.95)..... **BARGAIN**..... £79

8803 Railcar W79978 in BR dark green speed whiskers (Hel)..... £94

8750 Park Royal Railbus SC79970 in BR green speed whiskers (Hel)..... £97

8751 Park Royal Railbus SC79974 BR green small yellow warning panels (Hel)..... £97

8704 Railbus W&M E79962 in green large yellow panel - weathered. (Hel) (list £129.95)..... **BARGAIN**..... £79

8803 Railcar W79978 in BR dark green speed whiskers (Hel)..... £94

R3340 Class 2-HAL 2 Car train pack in BR green yellow front (Hor)..... £120.60

R3341A Class 2-HAL 2623 2 car EMU in BR blue (Hor) **NEW**..... £118

31-030\* Class 350/1 Desiro 4 Car EMU 350 111 'Apollo' in Silver Link (unbranded) (Bac) (list £189.95) **BARGAIN**..... £99

31-032 Class 350/1 Desiro 4-Car EMU 350 102 in London Midland (Bac) (list £189.95)..... **BARGAIN**..... £116

31-032 Class 350/1 Desiro 4-Car EMU 350 102 in London Midland (Bac) (list £189.95)..... **BARGAIN**..... £116

31-031 Class 350/2 Desiro 4 Car EMU 350 238 in London Midland (Bac) (list £189.95)..... **BARGAIN**..... £118

R3259 Class 401 2-BIL 2 car EMU in BR blue - As preserved at the NRM (Hor) (list £130.25) **BARGAIN**..... £74

R3162A Class 401 2-BIL 2-car EMU 2142 in BR green DCC Ready (Hor) (list £123.99)..... **BARGAIN**..... £89

31-375 Class 416 2-car EPB EMU in BR blue (Bac) (list £124.95)..... **BARGAIN**..... £72

31-267 Class 419 Motor Luggage Van (MLV) in BR blue & grey (Bac) (list £104.95)..... **BARGAIN**..... £64

31-266 Class 419 Motor Luggage Van (MLV) in BR Southern Region green yellow panel (Bac) (list £104.95) **BARGAIN**..... £64

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79

8800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)..... £56

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79

8800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)..... £56

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79

8800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)..... £56

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79

8800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)..... £56

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79

8800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)..... £56

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79

8800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)..... £56

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79

8800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)..... £56

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79

8800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)..... £56

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79

8800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)..... £56

36-151 Plasser OWB10 crane. Self propelled track maintenance vehicle (motorised) (Bac)..... £50.96

31-577 Windhoff MPV Multi-Purpose master and slave units in Railtrack (Bac) (list £148.95)..... **BARGAIN**..... £79



## Prices valid until 13/04/16

Orders received after this date for products that have increased in price will be given a refund

- 39-125D BR Mk1 CK Composite Corridor Blue & Grey (Bac) £33.11
- 39-151F BR Mk1 FK E13103 1st Class Corridor in Maroon (Bac) £33.11
- 39-150D BR Mk1 FK E13241 First Corridor Blue & Grey (Bac) £33.11



- 39-291A BR Mk1 FP Pullman parlour 1st coach in blue grey (with lighting) (Bac) (list £48.95) .BARGAIN. £24



- 39-026J BR Mk1 SK E24945 2nd Corridor Maroon (Bac) £33.11
- 39-301A BR Mk1 SK Pullman Second Kitchen Grey & Blue (With Lighting) (Bac) (list £48.95) .BARGAIN. £24
- 39-025G BR Mk1 SK Second Corridor Blue & Grey E25998 (Bac) £33.11
- 39-501 BR Mk1 SLF Sleeper Car in blue & grey (Bac) £36.50
- 39-500 BR Mk1 SLF Sleeper Car in maroon (Bac) £36.50
- 39-500 Pack of 4 (Bac) (list £171.80) .BARGAIN. £136
- 39-502 BR Mk1 SLF Sleeper Car in maroon (Bac) £33
- 39-502 Pack of 4 (Bac) (list £155.80) .BARGAIN. £120



- 39-311A BR Mk1 SP Pullman Second Parlour Grey & Blue (With Lighting) (Bac) (list £48.95) .BARGAIN. £26
- 39-200G BR Mk1 Super BG Full Brake RFS - Weathered (Bac) (list £39.95) .BARGAIN. £18
- 39-363 BR Mk2A TSO Tourist Second Open Network SouthEast (Bac) £36.50
- 34-081A Collect 80ft 1st/2nd brake composite W7062 BR crimson & cream (Bac) £24.61



- 39-050G BR Mk1 SO E5057 Second Open Blue & Grey (Bac) £33.11
- 39-054G BR Mk1 SO Second Open (With) Chocolate & Cream (Bac) £33.11
- 39-052G BR Mk1 SO Second Open Crimson & Cream (Bac) £33.11
- 39-053F BR Mk1 SO second open S3848 in BR green (Bac) £33.11
- 39-311A BR Mk1 SP Pullman Second Parlour Grey & Blue (With Lighting) (Bac) (list £48.95) .BARGAIN. £26
- 39-200G BR Mk1 Super BG Full Brake RFS - Weathered (Bac) (list £39.95) .BARGAIN. £18
- 39-363 BR Mk2A TSO Tourist Second Open Network SouthEast (Bac) £36.50
- 34-081A Collect 80ft 1st/2nd brake composite W7062 BR crimson & cream (Bac) £24.61



- 34-078 Collect 60ft 1st/3rd brake composite W6550 in GWR chocolate & cream (Bac) £24.61
- 34-128 Collect 60ft 1st/3rd composite in GWR chocolate & cream (Bac) £24.61
- 34-056A Collect 60ft 2nd class corridor W653W BR crimson & cream (Bac) £24.61
- 34-053 Collect 60ft 3rd class corridor 1132 GWR chocolate & cream (Bac) £24.61



- R4681 Collect 3rd class brake (Left hand) 5131 in GWR brown & cream (Hor) NEW £36
- R4680 Collect 3rd class brake (Right hand) 5132 in GWR brown & cream (Hor) NEW £36
- 39-528 Ex-Southern COT Covered Carriage Truck BR Blue (Bac) £24.61
- R4538A Ex-SR Unconverted open 2nd class coach in BR green (Hor) £37
- R4616 InterCity MK2E TSO tourist second open (Hor) £23.10
- 39-460 LMS 57 1/2 Porthole Corridor Brake 3rd BR Crimson & Cream (Bac) £39.96



- 39-465 LMS 60 ft Porthole Corridor Composite in BR crimson & cream (Bac) £33.96
- 39-28D Mk1 BCK brake composite corridor S21275 BR green (Bac) NEW £33.11
- R4646 Mk1 BG full brake E6028 BR Express Parolets blue & grey (Hor) £23.14
- R4699 Mk1 BG full brake S80826 in BR green (Hor) £27
- 39-082B Mk1 BSK brake second corridor 35239 Network SouthEast blue (Bac) NEW £33.11
- R4707 Mk1 BSK brake second corridor E34010 BR crimson & cream (Hor) £27



- 39-077F Mk1 BSK brake second corridor E34321 in BR crimson & cream (Bac) NEW £33.11



- 39-076H Mk1 BSK brake second corridor E35083 in BR Maroon (Bac) NEW £33.11
- R4716 Mk1 BSK brake second corridor M34872 BR maroon - lights (Hor) NEW £31
- R4713 Mk1 BSK brake second corridor S34615 in BR green (Bac) £27
- R4706 Mk1 CK composite corridor E15058 in BR crimson & cream (Hor) £27
- R4712 Mk1 CK composite corridor S15913 in BR green (Hor) £27



- 39-241 Mk1 FO first open M3000 in BR maroon (Bac) NEW £33.11



- 39-240 Mk1 FO first open M3001 in BR crimson & cream (Bac) NEW £33.11



- 39-242 Mk1 FO first open M3002 in BR blue & grey (Bac) NEW £33.11
- R4705 Mk1 SK second corridor E24162 in BR crimson & cream (Hor) NEW £27
- R4714 Mk1 SK second corridor M24912 in BR maroon - lights (Hor) £31
- R4711 Mk1 SK second corridor S24316 in BR green (Hor) NEW £27
- R4616A MK2E TSO second open 5779 in BR intercity (Hor) £23.14
- R4655 Mk1 DVT driving van trailer S2146 in DB Schenker silver (Hor) £39.61
- R4526 Night Mail Operating Mail Coach GWR - Railroad Range (Hor) (list £23.99) .BARGAIN. £19
- R4661 Pullman Third Class Parour Car - K-Type Pullman Car (Hor) £46.29



- 39-525 Southern PLV Passenger Luggage Van Southern Railway Green (Bac) £24.61
- R4653 Thompson suburban brake third E87002E in BR maroon (Hor) £37.27
- R4651 Thompson suburban composite E88413E in BR maroon (Hor) £37.27

### Wagons



- 38-502 Megapack of 8 'Covhop' covered hopper in British Industrial Sand bauxite & black (Bac) (list £183.60) BARGAIN £126
- 38-502 Single (Bac) £18.28
- 38-502 Pack of 4 (Bac) (list £91.80) .BARGAIN. £66
- 37-479 1 plank wagon in BR bauxite (Bac) £8.46
- 38-116 100 Ton TEA Bogie Tank Wagon Aviation Fuel (Bac) £35.66
- 38-115 100 ton TEA bogie tank wagon in Fina - weathered (Bac) £36.51
- 38-033 100 tonne HHA bogie hopper wagon in COLAS (Bac) £33.96
- 38-030B 100 tonne HHA bogie hopper wagon in Freightliner Heavy Haul sliding end door (Bac) £33.96
- 38-030B Pack of 4 (Bac) (list £159.84) .BARGAIN. £130
- 37-780 12 ton mogo van in BR bauxite (Bac) £12.71



- 37-654A Pack of 4 14 Ton Tank Wagon "Ronuk" (Bac) (list £63.80) .BARGAIN. £34
- 37-654A Single (Bac) (list £15.95) .BARGAIN. £9
- 37-378 16 ton pressed end door steel mineral wagon in BR grey (Bac) £11.01



- 37-253B 16 ton steel mineral wagon without top flap doors in BR grey - weathered (Bac) £12.71
- NEW 4F-030-011 16T Steel Mineral Grey Mk20214 (Dap) NEW £9.80
- 4F-030-012 16T Steel Mineral BR Grey Mk20214 - weathered (Dap) NEW £10
- 37-531 20 ton brake van in BR bauxite - weathered (Bac) £20.83



- 33-309 20 Ton Toad brake van 114947 in GWR grey (Bac) £11.86
- NEW R6726 21 ton hopper E389821 in BR grey (Hor) £14
- 38-270A 22 ton Presto in Blue Circle Railright brown (Bac) £22
- 38-270A Pack of 4 (Bac) £80
- 37-508 24 ton ore hopper wagon in BR grey - weathered (Bac) £12.71



- 38-125A Megapack of 8 35 Ton VBA box van sliding door in EWS (Bac) (list £191.60) .BARGAIN. £102
- 38-125A Single (Bac) (list £23.95) .BARGAIN. £14
- 38-125A Pack of 4 (Bac) (list £95.80) .BARGAIN. £54
- 39-902 45 ton bogie well wagon in BR Departmental black (Bac) £16.96
- 37-584 45 ton TTA tank in Ciba-Geigy (Bac) £13.56
- 38-664 45 tonne giv MGA open box wagon in EWS - weathered (Bac) £13.56
- 38-007 46 tonne FMA nuclear flask barrier wagon (Bac) £16.96
- 4F-052-017 5 Plank George Harwood 9 Ft Wheelbase (Dap) NEW £10
- 4F-052-018 5 Plank George Harwood 9 Ft Wheelbase - weathered (Dap) NEW £11
- 37-064 5 plank wagon wooden floor in Farndon (Bac) (list £12.95) BARGAIN £8
- 37-064 Pack of 4 (Bac) (list £51.80) .BARGAIN. £30
- 4F-031-000 6 wheeled milk tanker "United Danes" - weathered (Dap) £12
- 4F-071-107 7 Plank Rusbon 324 & Chirk 2014 Twin Pack weathered (Dap) £16.50



- 37-089 7 wagon end door 127916 in LMS grey (Bac) NEW £12.11



- 37-090 7 wagon end door 18166 in SR brown (Bac) NEW £12.11



- 37-088 7 wagon end door 351270 in LMS grey (Bac) NEW £12.11



- 38-150A Megapack of 8 80 tonne glw BDA bogie bolster wagon in Loadhaul (Bac) (list £191.60) BARGAIN £112



- 38-150A Pack of 4 (Bac) (list £95.80) .BARGAIN. £58
- 38-150A Single (Bac) (list £23.95) .BARGAIN. £15
- R6725 BR 21 Ton Hopper Wagon (Hor) £14



- R6759A BR Blue Spot Fish Van - Blue Livery (Hor) NEW £12
- R6759 BR Blue Spot Fish Van - Blue Livery (Hor) NEW £12
- R6759B BR Blue Spot Fish Van - Blue Livery (Hor) NEW £12
- R6643E BR Shunters Truck (Stoke Gifford) (Hor) NEW £12
- 38-427 Bulk grain bogie hopper in Traffic Services Limited (Bac) £46.71
- 38-427 Pack of 4 (Bac) (list £238.80) .BARGAIN. £172
- 38-427 Megapack of 8 (Bac) (list £479.60) .BARGAIN. £350



- 37-951B Pack of 4 Conflat wagon in BR bauxite BD container in BR crimson B709076 (Bac) (list £63.80) BARGAIN £50
- 37-951B Single (Bac) £13.50



- NEW R6724 Drax 102t biomass hopper in Drax 'powering tomorrow' - Produced for Drax power station - Limited to 1000 - Available only from Hatton's (Hor) NEW £83



- NEW R6723 Drax 102t biomass hopper in Drax 'Swoosh' - Produced for Drax power station - Limited to 1000 - Available only from Hatton's (Hor) NEW £83
- R6862D Extra Long CCT wagon 1274 in LNER teal (Hor) £18
- 4F-044-001 Fresh Container Twin Pack OO FLiner 640707 + 640708 (Dap) £31
- 4F-044-003 Fresh Container Twin Pack OO FLiner 640719 + 640720 (Dap) £31
- 4F-014-004 Fruit D van W2023 in BR maroon - weathered (Dap) £15
- R6642D GWR Shunters Truck (Fowey) (Hor) NEW £12
- R6761 HAA hopper 356318 in BR coal sector (Hor) £18



- 4F-045-002 IOA Network Rail bogie ballast wagon 3170 5992 041-7 (Dap) £17
- B910D KOAKITA Pocket wagon & container (Dap) £23
- B910E KOAKITA Pocket wagon & container (Dap) £23
- 4F-071-013 LMS 7 plank #302121 (Dap) NEW £9
- 4F-071-014 LMS 7 plank #302121 weathered (Dap) NEW £10
- 38-242\* MGA Megapack high-sided bogie box wagon in EWS - weathered (without buffers) (Bac) (list £27) .BARGAIN. £22
- 38-242\* Pack of 4 (Bac) (list £108) .BARGAIN. £78
- 38-242\* Megapack of 8 (Bac) (list £216) .BARGAIN. £162



- 4F-046-001 Megafret Twin Pack - weathered + 2 x 45 Ft High Cube Containers (Dap) £31



- 37-672 Pack of 3 14 Ton tank wagons in British Tar - weathered (Bac) (list £46.95) .BARGAIN. £28



- 37-671 Pack of 3 14 Ton tank wagons in Fina - weathered (Bac) (list £46.95) .BARGAIN. £28

- 37-236 Pack of 3 16 ton steel mineral wagons NCB top flap doors - weathered (Bac) £33.96
- R6782 Pack of 3 21 ton hoppers in BR grey (Hor) £35

### Containers & Loads



- B909F Megafret Twin Pack & 2 X 40' High Cube Containers (Dap) £25



- B909E Megafret Twin Pack & 2 X 40' High Cube Containers, Malcolm Group (Dap) £25

- R8012 HM2000 High output power & speed controller, mains supply (Hor) £74
- 36-560 Plug in 0.7 Amp transformer separate speed controller, track connector wires & power clip (Bac) £25.54

### Analogue controllers



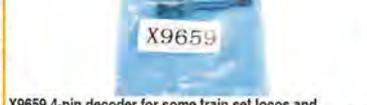
- 36-554 21-pin 3-function 2-sided 1A decoder back EMF for slow running (Bac) £12



- DCR-21PIN-Direct Box of 10 21-pin 4-function 1.1Amp direct plug decoder back EMF (Hat) £110
- DCR-21PIN-Direct Single (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) .BARGAIN. £70
- 36-557 Single (Bac) £14.50



- X9659 4-pin decoder for some train set locos and Sentinels (Hor) £10



- R8249 Box of 6 8-pin 4-function 2-sided 0.5A (1A peak) decoder (Hor) £76
- R8249 Single (Hor) £14



- DCR-8PIN-Direct Box of 10 8-pin compact direct 4-function 1.1Amp decoder back EMF (Hat) £105
- DCR-8PIN-Direct Single (Hat) £13
- DCR-8PIN-Direct Box of 5 (Hat) £59
- BPDDC29 OMN 9 Pin Direct Plug Decoder (5 Pack) (Gaw) £38

### DCC accessory decoders

- PC2 One Touch DCC Quad Point Controller x 4 (Tra) £32

### DCC controllers



- R8214 DCC Elite unit digital controller (Hor) £205
- R8213 DCC Select unit (box) (Hor) £90



- 36-500 EZ Command DCC controller - boxed (Bac) £76.46



- 36-504 EZ Command Dynamic Ultima DCC system (Bac) £250.71

### DCC accessories

- R8238 DCC reverse loop control module (Hor) £34
- R8239 Power and Signal Booster - can be used any DCC controlled system (Hor) £74

### Point motors

- R8014 Mark 2 Point Motor (Hor) £7
- TT300 Slow motion DCC point motor (Tra) £20



- R8243 Surface Mounted point motor (Hor) £7



**Opening hours**  
 Store: 09:00 - 17:00 Mon - Sat  
 10:00 - 16:00 Sun

07:00 - 18:00 Mon-Sat  
 09:00 - 17:00 Sun

**Switches & Levers**

- R046 2-way lever frame switch 'On-Or' (Hor) . . . . . £7
- R044 Passing contact lever frame switch (for point motors) (Hor) . . . . . £9

**Electronic components**

- R8211 Hoisting rod for all types of steam loco (silicas live rollers) (Hor) . . . . . £48

**Lighting equipment**

- GM56 Buffer lights x 2 (Gau) . . . . . £10
- CL2 Standard Coach Lighting Strips - Warm White (Tra) . . . . . £17

**Accessories**

- 44-534 Satellite Dishes (Pack of 10) (Bac) NEW . . . . . £10.16
- SFX10 Steam loco sound capsule (with built battery, speaker & motion detector) (Tra) . . . . . £37
- 44-535 TV Aerials (Pack of 10) (Bac) NEW . . . . . £10.16

**Spares**

- 36-026 10 x Mk2 Couplings mini type - long (Bac) . . . . . £4.68

**RAIL JOINERS**

- 36-025 10 x Mk2 Couplings mini type - short (Bac) . . . . . £7.61
- 36-027 10 x Mk2 Couplings NEM Shaft (Cranked) pocket (Bac) . . . . . £7.61

**WheelsDisc Disc wheels - Pack of 20 (Dap)**

- SL-111 Finescale insulated rail joiners/fishplates (Code 70, 75 & 83) for OO & HO gauge - Pack of 12 (Pec) . . . . . £2
- SL-110 Finescale rail joiners/fishplates (for code 70, 75 & 83) for OO & HO gauge - Pack of 24 (Pac) . . . . . £2
- SL-11 Insulated rail joiners/fishplates (for OO, HO & O gauge code 100 rails incl. Hornby, Peco & Peco Streamline) - Pack of 12 (Pec) . . . . . £2

**Man-made scenic structure - non-railway**

- 44-0046 Corner Store (Bac) . . . . . £33.96
- 44-040 Diesel fueling point - Scenecraft range (102 x 37 x 50mm) (Bac) . . . . . £19
- 44-0030 Farmhouse (Bac) . . . . . £28.71
- 44-025 Hampton Heath colliery - Pit Head Lift - Scenecraft range (comes in plain white box) (Bac) . . . . . £23
- 44-263 Low Relief 'Nicks Barbers' (Bac) NEW . . . . . £21.21
- 44-266 Low Relief 'The Cod Father' Fish & Chip Shop (Bac) NEW . . . . . £21.21
- PO279 Low Relief Department Store (Met) . . . . . £12.50
- 44-261 Low Relief Station Hotel (Bac) . . . . . £36.51
- PO274 Low relief terrace house fronts - red brick (120w x 73d x 125h mm) (Met) . . . . . £10
- 44-246 Low relief terraces (120 x 19 x 104mm) (Bac) . . . . . £22.91
- PO261 Pair of red brick terraced houses (Card Kit) (Met) . . . . . £8
- 44-0005 Portable office (90 x 42 x 34mm) . . . . . £16.96

**Man-made scenic structure - railway**

- 44-0021 Rural Workers Cottages (Bac) . . . . . £38.21
- R6906 Skaleade Railwayman's Arms (Hor) . . . . . £46.29
- PO283 Small factory kit (Met) . . . . . £12
- PO256 Stable block (Met) NEW . . . . . £7
- 44-0040 Toilet Block (Bac) NEW . . . . . £21.21
- 44-0028 Weighbridge (Bac) NEW . . . . . £33.96

**Bridges, Tunnels & Walls**

- 44-016 Fuel Storage Tanks (Bac) . . . . . £33.96
- 44-505 Security fences x 10 - Scenecraft range (Bac) . . . . . £5
- R660 Elevated sidewalls (320mm length) (Hor) . . . . . £19
- R078 Foot Bridge (Hor) . . . . . £14
- R6908 Grand suspension bridge (Hor) . . . . . £39
- 44-225 Low Relief Retaining Walls (168 x 10 x 85mm) (Bac) . . . . . £14.41
- PO244 Retaining Wall in Red Brick - 4 sections per kit (Met) . . . . . £11

**Man-made scenic structure - railway-related**

- PO245 Retaining Wall in Stone - 4 wall sections per kit (Met) . . . . . £11
- R6744 Straight walls x 6 - Skaleade 'Gleeworks' range (Hor) . . . . . £11
- PO249 Tapered Retaining Wall in Stone (Met) . . . . . £12

**Minerals, Water & Rocks**

- GM114 Granite Ballast - OO & HO gauge - large bag 500g (Gau) . . . . . £3

**People - civil**

- 36-407 1950s Train Crew x 6 (Bac) . . . . . £6.21

**Man-made scenic structure - railway-related**

- 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) 12.0mm diameter (Hor) . . . . . £6.50
- R8096 Metal disc wheels on axles (10 axles) (Hor) . . . . . £5.50
- 36-055A Pair of BR Mk1 coach bogies. Identical to 36-005 (Bac) . . . . . £6.76
- 36-007A Pair of Bulleid bogies (Bac) . . . . . £6.76
- 36-010 Pair of Collett bogies (Bac) . . . . . £5.06
- 36-006A Pair of Thompson coach bogies (Bac) . . . . . £6.76

**Man-made scenic structure - railway-related**

- 36-047 Locomotive staff x 6 (Bac) . . . . . £6.21
- 36-083 Sheep (Bac) NEW . . . . . £8.08
- 36-045 Station passengers sitting x 6 (Bac) . . . . . £6.21
- 36-044 Station passengers standing x 6 (Bac) . . . . . £6.21

**Track - Code 100 Setrack**

- ST-245 Setrack curved double radius left handed point insulfrog (Pec) £14

**Track - Code 100 Streamline**

- ST-244 Setrack curved double radius right handed point insulfrog (Pec) . . . . . £14
- ST-201 Setrack double straight (Pec) . . . . . £10
- ST-247 Setrack medium radius Y point insulfrog (Pec) . . . . . £12

**Signals**

- R070 Electrically Operated Turntable (Hor) . . . . . £59
- OF0FB Footbridge Kit - Small (Anc) NEW . . . . . £6
- 44-129 Fuel Storage Tank (110 x 55 x 60mm) (Bac) . . . . . £25.46
- R537 Inside Fencing (Hor) . . . . . £7

**SL-43 Loco Lift and storage unit (Pec)**

- R514 Platform Canopy x 2 (Hor) . . . . . £12
- SL-40 Rail built buffer stop (Pec) . . . . . £1.50
- R460 Straight Platform (Hor) . . . . . £3.50

**SL-100 Pack of 25 1 yard (91.5cm) length of Code 100 Wooden-sleeper nickel silver flexible track (Pec)**

- SL-100 Single (Pac) . . . . . £66
- SL-102 Pack of 25 1 yard (91.5cm) length of Nickel Silver concrete-sleeper flexible track (Pac) . . . . . £70
- SL-102 Single (Pac) . . . . . £3

**Buildings - general**

- R6820 Skaleade Diesel Fuel Tank (Hor) . . . . . £12.95
- PO229 Brewing facility consisting of main brewhouse, malt store & ale store. (Card Kit) (Met) . . . . . £9.50

**Man-made scenic structure - non-railway**

- 44-016 Fuel Storage Tanks (Bac) . . . . . £33.96
- 44-505 Security fences x 10 - Scenecraft range (Bac) . . . . . £5

**Bridges, Tunnels & Walls**

- R660 Elevated sidewalls (320mm length) (Hor) . . . . . £19
- R078 Foot Bridge (Hor) . . . . . £14
- R6908 Grand suspension bridge (Hor) . . . . . £39
- 44-225 Low Relief Retaining Walls (168 x 10 x 85mm) (Bac) . . . . . £14.41
- PO244 Retaining Wall in Red Brick - 4 sections per kit (Met) . . . . . £11

**Man-made scenic structure - railway**

- PO245 Retaining Wall in Stone - 4 wall sections per kit (Met) . . . . . £11
- R6744 Straight walls x 6 - Skaleade 'Gleeworks' range (Hor) . . . . . £11
- PO249 Tapered Retaining Wall in Stone (Met) . . . . . £12

**Minerals, Water & Rocks**

- GM114 Granite Ballast - OO & HO gauge - large bag 500g (Gau) . . . . . £3

**People - civil**

- 36-407 1950s Train Crew x 6 (Bac) . . . . . £6.21

**Man-made scenic structure - railway-related**

- 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) 12.0mm diameter (Hor) . . . . . £6.50
- R8096 Metal disc wheels on axles (10 axles) (Hor) . . . . . £5.50
- 36-055A Pair of BR Mk1 coach bogies. Identical to 36-005 (Bac) . . . . . £6.76
- 36-007A Pair of Bulleid bogies (Bac) . . . . . £6.76
- 36-010 Pair of Collett bogies (Bac) . . . . . £5.06
- 36-006A Pair of Thompson coach bogies (Bac) . . . . . £6.76

**Man-made scenic structure - railway-related**

- 36-047 Locomotive staff x 6 (Bac) . . . . . £6.21
- 36-083 Sheep (Bac) NEW . . . . . £8.08
- 36-045 Station passengers sitting x 6 (Bac) . . . . . £6.21
- 36-044 Station passengers standing x 6 (Bac) . . . . . £6.21

**Track - Code 100 Setrack**

- ST-245 Setrack curved double radius left handed point insulfrog (Pec) £14

**Track - Code 100 Streamline**

- ST-244 Setrack curved double radius right handed point insulfrog (Pec) . . . . . £14
- ST-201 Setrack double straight (Pec) . . . . . £10
- ST-247 Setrack medium radius Y point insulfrog (Pec) . . . . . £12

**Signals**

- R070 Electrically Operated Turntable (Hor) . . . . . £59
- OF0FB Footbridge Kit - Small (Anc) NEW . . . . . £6
- 44-129 Fuel Storage Tank (110 x 55 x 60mm) (Bac) . . . . . £25.46
- R537 Inside Fencing (Hor) . . . . . £7

**SL-43 Loco Lift and storage unit (Pec)**

- R514 Platform Canopy x 2 (Hor) . . . . . £12
- SL-40 Rail built buffer stop (Pec) . . . . . £1.50
- R460 Straight Platform (Hor) . . . . . £3.50

**SL-100 Pack of 25 1 yard (91.5cm) length of Code 100 Wooden-sleeper nickel silver flexible track (Pec)**

- SL-100 Single (Pac) . . . . . £66
- SL-102 Pack of 25 1 yard (91.5cm) length of Nickel Silver concrete-sleeper flexible track (Pac) . . . . . £70
- SL-102 Single (Pac) . . . . . £3

**Track & Points**

- R605 1st radius double curve (8 make a circle) (Hor) . . . . . £2.50
- R605 Circle of 8 (Hor) . . . . . £15
- R607 2nd radius double curve track (8 make a circle) (Hor) . . . . . £2.25
- R607 Circle of 8 (Hor) . . . . . £18
- R609 3rd radius double curve track (8 make a circle) (Hor) . . . . . £3
- R609 Circle of 8 (Hor) . . . . . £22
- ST-2031 3rd radius Double Curve Track (ST-231 x 4) (Pac) . . . . . £11
- R8262 Double 4th radius curve (8 make a circle) (Hor) . . . . . £3

**Track - Code 75 FineScale Streamline**

- SL-E99 3 way medium radius point electrofrog (Pec) . . . . . £25
- SL-99 3 way medium radius point insulfrog (Pec) . . . . . £25
- SL-90 Double slip insulfrog (Pec) . . . . . £31
- SL-87 Left hand curved point (Pec) . . . . . £12.50
- SL-E87 Left hand curved point electrofrog (Pac) . . . . . £12.50
- SL-E89 Left hand large point electrofrog (Pec) . . . . . £12
- SL-E89 Left hand large point insulfrog (Pec) . . . . . £12
- SL-96 Left hand medium point (Pec) . . . . . £10
- SL-E96 Left hand medium point electrofrog (Pec) . . . . . £10
- SL-92 Left hand small point (Pec) . . . . . £9.50
- SL-E92 Left hand small point electrofrog (Pec) . . . . . £9.50
- SL-86 Right hand curved point (Pec) . . . . . £12.50
- SL-E86 Right hand curved point electrofrog (Pac) . . . . . £12.50
- SL-E88 Right hand large point electrofrog (Pac) . . . . . £12
- SL-88 Right hand large point insulfrog (Pec) . . . . . £12
- SL-95 Right hand medium point (Pec) . . . . . £10
- SL-E95 Right hand medium point electrofrog (Pac) . . . . . £10
- SL-91 Right hand small point (Pec) . . . . . £9.50
- SL-E91 Right hand small point electrofrog (Pac) . . . . . £9.50
- SL-80 Single slip insulfrog (Pac) . . . . . £28

**Track & Points**

- R605 1st radius double curve (8 make a circle) (Hor) . . . . . £2.50
- R605 Circle of 8 (Hor) . . . . . £15
- R607 2nd radius double curve track (8 make a circle) (Hor) . . . . . £2.25
- R607 Circle of 8 (Hor) . . . . . £18
- R609 3rd radius double curve track (8 make a circle) (Hor) . . . . . £3
- R609 Circle of 8 (Hor) . . . . . £22
- ST-2031 3rd radius Double Curve Track (ST-231 x 4) (Pac) . . . . . £11
- R8262 Double 4th radius curve (8 make a circle) (Hor) . . . . . £3

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R8228 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R800, 2 x R806, 1 x R803 (Hor) . . . . . £22
- R8074 Left hand curved point (Hor) . . . . . £14.40
- R8077 Left hand Express point (Hor) . . . . . £16

**Track & Points**

- R601 Box of 24 Double Straight (Hor) . . . . . £49
- R601 Single (Hor) . . . . . £2.25
- R

# Want it DCC fitted?

[www.ehattons.com/dccfitting](http://www.ehattons.com/dccfitting)

for more details

- 76EC002 EHF EC Olympic Fridge John Mackery Ltd (Oxf) NEW £18
- 76FDE001 Ford 400C Van British Rail (Oxf) £5
- 76FCG002 Ford Cargo Box Van in white (Oxf) £11
- 76FT1001 Ford Transit Mk1 White (Oxf) £5
- 76FSR004 Fowler Steam Roller No 19053 Patricia B (Oxf) NEW £10
- 76LRF004 Land Rover Defender 90 Station Wagon Firenze Red Santorini Black (Oxf) NEW £4.75
- 76MB001 Mercedes Actros MP4 GSC Curtainside 'Eddie Stobart' (Oxf) £21
- 76SP010 Scammell Pioneer Silcock Bros (Oxf) £11
- 76SCA04LL Scania R1 Series Topline low loader 'McFadyens' (Oxf) £19
- 76SHL12WF Stobart - James Doyle (Oxf) £18
- 76SHL13WF Stobart - Luke Morris (Oxf) NEW £18
- 76TV007 Tricycle Van Ambulance (Oxf) NEW £4.75
- 76VOL4001 Volvo F14 Curtainside Eddie Stobart (Oxf) £19

## Military ground vehicles

NEW



- 76AEC018 AEC Matador Wrecker British Army SCC2 Brown (Oxf) NEW £11
- 76TL010 Austin Tilly RAF Blue (Oxf) NEW £4.95
- 76BL001 Bedford QL B 4th Infantry, UK 1942 (Oxf) £12
- 76TD001 Diamond 1980 Tank Transporter TRC Western Desert 1942 GHQ Cairo (Oxf) £20
- 76DOR001 Dorchester ACV (Armoured Command Vehicle) 8th Armoured Division (Oxf) £20
- 76RAB011 Scammell Scrab Flatbed Trailer RAF (Oxf) NEW £8

## Public Service vehicles

- 76SET34 5 Place British Rail Set KWCA/Q25LJR (Oxf) £20
- 76MA004 Mercedes Ambulance Scottish Ambulance Service (Oxf) £7
- 76JM022 Morris J2 Minibus British Army HOC (Oxf) NEW £4

## 1:72 Scale

### Accessories

- A09008 Douglas Dakota MkIII Willys Jeep (Air) NEW £21

### Aircraft - civil

NEW



- 72DV001 De Havilland Dove "Dan Air" (Oxf) NEW £30

## N Gauge

### Steam locos



- ND095A Britannia Pacific 4-6-2 70000 "Britannia" in BR Green late crest and original smoke deflectors (Dap) £107
- ND095B Britannia Pacific 4-6-2 70013 "Oliver Cromwell" in British Railways Green early crest, DCC Fitted (Dap) £119



- 372-313 Class 21C1 Merchant Navy 4-6-2 35021 'New Zealand Line' in BR Malachite Green (Gra) £135.96
- 372-312 Class 21C1 Merchant Navy 4-6-2 35028 'Clan Line' BR green late crest (Gra) £135.96
- 372-626 Class 2MT Ivatt 2-6-0 46440 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
- 28-015-001 Class 2MT Ivatt 2-6-2 1208 in LMS black (Dap) £53



- 2S-015-004 Class 2MT Ivatt 2-6-2 41310 in BR black early emblem - weathered (Dap) £57
- 2S-010-002 Class 40xx Hall steam loco 4914 "Cromwell Hall" in BR lined green late crest (Dap) £95
- 372-062 Class 4F 0-6-0 43675 BR black early emblem & Johnson tender (Gra) £93.46



- 372-060 Class 4F 0-6-0 43924 BR black late crest & Fowler tender (Gra) £93.46
- 372-750 Class 4MT Fairburn 2-6-4T 2691 in LMS black (Gra) £97.71



- 372-752 Class 4MT Fairburn 2-6-4T 42073 in BR black late crest (Gra) £97.71
- 372-139 Class 5-4-0 45206 in BR Lined Black Early Emblem (Gra) £118.96



- 2S-007-012 Class 57xx Pannier 0-6-0 5764 in Great Western green (Dap) £61
- 2S-007-011 Class 57xx Pannier 0-6-0 6746 GWR green shirributton emblem (Dap) £61



- 2S-007-010 Class 57xx Pannier 0-6-0 6700 GWR green shirributton emblem (Dap) £61
- 2S-007-013 Class 57xx Pannier 0-6-0 6744 in British Railways green (Dap) £61
- 2S-019-001 Class 6800 4-6-0 6820 "Kingsdon Grange" in GWR green shirributton emblem (Dap) £100
- 2S-019-004 Class 6800 4-6-0 6856 "Stowe Grange" BR lined black early emblem (Dap) £100



- 372-481 Class 6P Jubilee 4-6-0 45572 'Eire' in BR lined green late crest - weathered (Gra) £118.96
- 2S-001-001 Class 7800 Manor 4-6-0 7801 "Anthony Manor" in GWR green shirributton emblem (Dap) £100
- 2S-001-010 Class 7800 Manor 4-6-0 7801 "Anthony Manor" in GWR green shirributton emblem, DCC Fitted (Dap) £119
- 2S-001-030D Class 7800 Manor 4-6-0 7805 "Broome Manor" in GWR green GWR lettering, DCC Fitted (Dap) £119
- 2S-017-002 Class 7MT Britannia 4-6-2 70069 "Alfred the Great" in BR green late crest (Dap) £101
- 2S-013-005D Class 9F 2-10-0 92006 in BR black early emblem & BR1G tender - weathered, DCC fitted (Dap) £113
- 2S-013-004 Class 9F 2-10-0 92052 BR black early emblem & BR1C tender (Dap) £87



- 372-800B Class A1 4-6-2 60163 "Tornado" in BR Express blue (as preserved) (Gra) £135.96
- 2S-012-006 Class A1X Terrier 0-6-0T 2644 Southern Railway green (Dap) NEW £63.66



- 2S-012-005 Class A1X Terrier 0-6-0T 32655 in BR black early crest (Dap) NEW £63.66
- 2S-012-007 Class A1X Terrier 0-6-0T 32655 in BR green shirributton (Dap) £63.66



- 372-385 Class A2 4-6-2 525 'A H Peppercorn' LNER Apple green (Gra) £135.96
- ND129ED Class A3 steam loco 60070 "Giadialor" in BR lined green early crest, DCC fitted (Dap) £115
- 2S-008-005 Class A4 steam loco 60022 "Mallard" in BR green early crest & double chimney (Dap) £119.60
- 372-079 Class B1 4-6-0 1040 "Roeder" in LNER lined black (Gra) £110.46
- ND079E Class B17 4-6-0 2893 "Evertton" LNER Apple green (Dap) £93
- 2S-021-002 Class B17 4-6-0 6184 "Liverpool" BR green early emblem (Dap) £94
- 2S-020-002D Class B17 4-6-0 6184 "Liverpool" in BR green early emblem, DCC Fitted (Dap) £110
- 372-400 Class J39 0-6-0T 1856 LNER Lined black flat sided tender (Gra) £80.71
- 2S-016-001 Class M7 0-4-4 250 in Southern Railway green (Dap) £53
- 2S-016-002 Class M7 0-4-4 30126 in BR black early emblem (Dap) £53
- 372-932 Class N 2-6-0 31811 in BR black late crest (Gra) £106.21
- 372-931 Class N 2-6-0 31844 in BR black early emblem (Gra) £106.21



- 372-930 Class N 2-6-0 868 in SR Olive green (Gra) £106.21
- 372-425 Class WD Austrey 2-4-0 10090 in BR black late crest (Gra) £116.96
- 372-186 Princess Coronation Class 4-6-2 66226 "Duchess of Norfolk" in BR Express Passenger blue early emblem (Gra) £127.46

## Train packs



- 370-500 Cumbrian Mountain Express Train Pack Coronation Class 46229 "Duchess of Hamilton" in BR maroon late crest, 3 x Mk1 coaches in blue/grey & Scenecraft "Ais Gill" Signal box (Gra) £131.71



- 370-300 Landship Train Train Pack Class 4F 3848 in Midland Railway black, 3 x bogie boiler wagons in olive green & 3 x Mk1 tanks under tarpaulins (Gra) £89.21
- 370-400 Longmoor Military Railway Train Pack WD Austrey Class No.400 "Sir Guy Williams" & 3 x Mk1 suburban brake end coaches in LMR blue (Gra) £118.96

## Diesel locos



- 371-015C Class 08 Shunter 08672 in BR Blue Wasp Stripes (Gra) £76.46
- 371-021A Class 08 Shunter D3785 in BR Green Late Crest (Gra) £76.46
- 2D-015-001 Class 122 diesel railcar W55000 BR green speed whiskers (Dap) £90
- 2D-020-001 Class 153 DMU 153379 in Central Trains Green (Dap) £79
- 2D-021-003 Class 156 2 car DMU 156434 in Provincial Transport (Dap) £95
- 371-034 Class 20 20132 in BR Railfreight Red Stripe (Gra) £89.21



- 371-701 Class 350/2 Desiro 4-car EMU 350 238 in London Midland (Gra) (list £169.95) BARGAIN £99
- 372-677 Class 411 4 CEP 4 car EMU in BR blue & grey (Gra) £137.02
- 372-675 Class 411 4 CEP 4 car EMU in BR green (Gra) £137.02

## 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



## Countryside Coal

- 371-033 Class 20 D8011 in BR Green Small Yellow Panel (weathered) (Gra) £97.71
- 372-978 Class 24 24/81 BR Blue Yellow Ends (Gra) £84.96
- 371-086 Class 25/1 D5222 in BR Green (weathered) (Gra) £93.46
- 371-088 Class 25/2 25231 in BR Blue (weathered) (Gra) £93.46



- 371-112 Class 31 31173 in BR Blue Full Yellow Ends (Gra) £100.26
- 371-111 Class 31 D5596 in BR Green Small Yellow Panels (Gra) £100.26
- 2D-018-003 Class 35 Hymek D7013 in BR green (Dap) £79
- 2D-018-004 Class 35 Hymek D7024 in BR green - weathered (Dap) £85
- 2D-018-002D Class 35 Hymek D7026 in BR blue full yellow ends - weathered, DCC Fitted (Dap) £103
- 2D-018-001 Class 35 Hymek D7067 in BR blue full yellow ends (Dap) £79
- 371-455 Class 37 37251 in BR Blue (weathered) (Gra) £106.21
- 371-454 Class 37 D6827 BR Green Centre Headcode (weathered) (Gra) £106.21



- 371-168 Class 37/5 37506 Railfreight Red Stripe Livery (Gra) £89.21
- 371-828B Class 47/0 47096 in BR Blue (Gra) £101.96



- 371-825B Class 47/0 D1572 in BR Green Small Yellow Panel (Gra) £101.96
- 372-245 Class 47/7 47710 'Sir Walter Scott' in BR Scottish Livery (Gra) £101.96
- 372-244 Class 47/7 47711 'Greyfriars Bobby' BR Blue Large Logo (Gra) £101.96
- 372-246 Class 47/7 47715 'Haymarket' in BR Network South East (Gra) £101.96
- 2D-003-000 Class 52 diesel loco D1005 'Western Venture' in BR blue full yellow panel (Dap) £91
- 2D-003-011 Class 52 diesel loco D1009 'Western Invader' in BR blue full yellow ends - weathered (Dap) £94



- 2D-003-003 Class 52 diesel loco D1056 "Western Sultan" in BR maroon full yellow panel (Dap) £91
- 371-287 Class 55 Deltic 55005 'The Prince of Wales' Own Regiment of Yorkshire in BR Blue (Gra) £93.46
- 371-286 Class 55 Deltic D9002 'The King's Own Yorkshire Light Infantry' in BR Green Full Yellow Ends (Gra) £93.46
- 371-285 Class 55 Deltic D9007 'Pinza' in BR green (Gra) £93.46
- 2D-004-000D Class 56 diesel loco 56006 'Ferrybridge C Power Station' in Loddwale black & orange, DCC Fitted (Dap) £134.70
- 2D-004-001 Class 56 diesel loco 56019 in Painsleigh red stripe (Dap) £113.80
- 371-385 Class 56 Deltic D9005 'Tynes Castle' First Great Western (Gra) £93.46
- 371-384 Class 56 66209 in EWS Livery (weathered) (Gra) £93.46
- 2D-007-003D Class 66 diesel loco 66177 EWS Experimental white roof, DCC Fitted (Dap) £95
- 371-386 Class 66/9 66731 'Interhub66' in BR Livery (Gra) £89.21
- 371-635 Class 70 Powerhaul 70006 Freightliner Livery (Gra) £82.50 (list £119.95) BARGAIN



- 2D-019-002 Class 43 HST Book Set in First Great Western purple - 43177, 43165 & two Mk 3 coaches (Dap) £135
- 2D-019-003 Class 43 HST Book Set in Intercity Executive - W43126, W43125 & two Mk 3 coaches (Dap) £135



- 2D-019-004 Class 43 HST Book Set in Intercity Swallow - 43075, 43106 & two Mk 3 coaches (Dap) £135
- 371-511 Class 101 3-car DMU in BR blue & grey (Gra) £118.96



- 2D-009-000 Class 121 single car DMU 'Bubble car' W55022 in BR green small yellow warning panel (Dap) £90
- 2D-009-001 Class 121 single car DMU 'Bubble car' W55027 in BR green speed whiskers (Dap) £90
- 2D-009-100 Class 121 single car DMU 'Bubble car' W55028 in BR green small yellow warning panel (Unpowered Dummy) (Dap) £40



- 2D-021-002 Class 156 2 car DMU 156419 in Provincial Transport (Dap) £95
- 2D-021-001 Class 156 2 car DMU 156508 Strathclyde Passenger Transport (Dap) £95
- 371-558 Class 158 2 Car DMU 158871 ScotRail (Gra) (list £144.95) BARGAIN £89
- 371-433 Class 170/4 3 Car DMU 170434 in First ScotRail (Gra) BARGAIN £100
- 371-741 Class 251 Blue Pullman 6 car Midland set in Nanking blue full yellow ends (Gra) (list £269.95) BARGAIN £171
- 371-700 Class 350/1 Desiro 4-car EMU 350 111 'Apollo' in unbranded Silverlink (Gra) (list £169.95) BARGAIN £99

- 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

- 2P-004-008 Autocoach BR Crinson & Cream W194W (Dap) £13.50
- 2P-004-007 Autocoach BR Maroon W193W (Dap) £13.50



- 2P-003-001 B Set Coach Twin Pack BR W6936W & W6937W (Dap) £22.78
- 374-191 BR Mk1 BCK Brake Second Corridor ADB977109 in Departmental Yellow (Gra) £24.61
- 374-192 BR Mk1 BSK Brake Second Corridor Intercity (Gra) NEW £24.61
- 374-810 BR Mk1 RFD Restaurant Car (WR) Chocolate & Cream (Gra) (list £28.95) BARGAIN £14



- 374-013C BR Mk1 SO Second Open Blue & Grey (Gra) £24.61
- 374-012D BR Mk1 SO Second Open Maroon (Gra) £24.61
- 2P-011-102 Grosley Teak 1st Class 31869 (Dap) £19.50
- 2P-011-006 Grosley Teak 3rd Class 60656 (Dap) £19.50
- 374-535 Hawksworth Brake 3rd Class Corridor BR Crinson & Cream (Gra) £25.46
- 374-162 Mk1 FK first corridor in green (Gra) (list £28.95) BARGAIN £14
- 2P-005-260 Mk3 TGS trailer guard second 44028 Intercity Executive (Dap) NEW £20



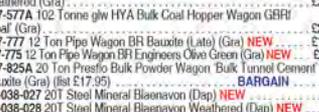
- 2P-005-360 Mk3 TGS trailer guard second 44039 in First Great Western purple (Dap) £20
- 2P-005-680 Mk3 TGS trailer guard second 44652 Intercity Class Country (Dap) £20
- 2P-005-160 Mk3 TGS trailer guard second 44055 Intercity Swallow (Dap) NEW £20



- 2P-005-460 Mk3 TGS trailer guard second 44091 in Virgin Trains (Dap) £20
- 2P-005-060 Mk3 TGS trailer guard second E44098 in BR blue & grey (Dap) £20



- 2P-005-061 Mk3 TGS trailer guard second W44031 in BR blue & grey (Dap) £20
- NR2004 Scania Inpaz Eddie Stobart (Oxf) £7



- 373-903 100 Tonne HHA Bogie Hopper Wagon Freightliner - weathered (Gra) £28.01
- 377-574 102 Tonne ghw HVA Bulk Coal Hopper Wagon GERRI 'Coal' (Gra) £22.91
- 377-777 12 Ton Pipe Wagon BR Bauxite (Late) (Gra) NEW £15.26
- 377-775 12 Ton Pipe Wagon BR Engineers Olive Green (Gra) NEW £15.26
- 377-868 20 Ton Prefric Bulk Powder Wagon Bulk Tunnel Cement Bauxite (Gra) (list £17.95) BARGAIN £8
- 2F-038-027 20T Steel Mineral Blaenavon (Dap) NEW £10
- 2F-038-028 20T Steel Mineral Blaenavon Weathered (Dap) NEW £11



- 377-876 25 Ton Queen Mary Brake Van in BR Bauxite (Gra) NEW £22.91
- 377-875 25 Ton Queen Mary Brake Van in SR Brown Small Lettering (Gra) £22.91
- 377-965 20 Ton VBA Box Van in BR Green (Gra) NEW £11.86
- 377-060 5 Plank Wagon Woodon Floor A.E. Moody (Gra) NEW £11.86
- 377-059 5 Plank Wagon Woodon Floor Salt Union (Gra) NEW £11.01
- 377-089 7 Plank Fixed End Wagon SR Brown (Gra) NEW £11.86
- 2F-071-046 7 Plank Gresford Wrexham 224 (Dap) NEW £8
- 2F-071-047 7 Plank Gresford Wrexham 224 Weathered (Dap) NEW £9
- 377-088 7 Plank Wagon End Door GWR Grey (Gra) NEW £11.86
- 377-087 7 Plank Wagon End Door LMS Grey (Gra) NEW £11.86
- 377-090 7 Plank Wagon End Door NE Grey (Gra) NEW £11.86
- 377-091 7 Plank Wagon End Door Wagon North End (Gra) NEW £11.86
- 373-380A BR Mk1 Horse Box in maroon (Gra) NEW £17.81
- 373-362A BR Mk1 Horse Box in SR green (Gra) NEW £17.81



- 373-235 Bulk grain bogie hopper wagon 'Traffic Services' - weathered (Gra) £36.51

Visit

[www.ehattons.com/new](http://www.ehattons.com/new)

for new releases

- 377-065 Coal Tractor Triple Pack 5 Plank Wagons Weathered (Gra) NEW... £36.51
- 377-097 Coal Tractor Triple Pack 7 Plank Pkts. Owner Wagons Weathered (Gra) NEW... £37.36
- 2F-013-023 Gunpowder Van Spillers 173 (Dap) NEW... £8
- 2F-013-024 Gunpowder Van Spillers 173 Weathered (Dap) NEW... £9
- 377-701 JJA Mk2 Auto-Ballast Non-Generator Unit (Flat Top Profile) Railtrack (Gra)... £33.96
- 2F-053-001 Megafuel Wagon (3386 4443 070) + 2 Loss Co2 Containers (Dap) £25
- 377-965 Triple pack 13 Ton high sided steel open wagons BR hauxite-weathered (Gra)... £28.01
- 373-786 Triple Pack 45 Ton glw 11A Tank Wagon Wood Kiln Train (Gra) £40.76
- 377-235A Triple Pack of 16 Ton Steel Mineral Wagons BR grey-weathered (Gra)... £36.51

DCC decoders



DCC23 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

Lighting equipment

NC040a Light Bar coach lighting unit for modern coaches/multiple units (Class 156/MkIII Plug&Play) (Dap)... £8

Spares

SL-311 Insulated Rail Joiners/Fishplates for N & 009 gauge (12 per pack) (Pec)... £1.50

2A-006-011 Magnetic couplers - short arm - 5 pairs (Dap)... £18



2A-000-008 Magnetic NEM couplers - medium arm (ex-NSPAREB) - 5 pairs (Dap)... £17



SL-310 Rail Joiners/Fishplates for N & 009 gauge (24 per pack) (Pec)... £2

Wheel sets

379-412 Axles coach wheels - Pack of 10 (Gra)... £5.74

Signals

2L-002-001 Signal - Motorised, LMS home upper quadrant (ex-NSIGN3) (Dap)... £22

Bridges, Tunnels & Walls

PN144 Retaining Wall (Stone) (Met)... £7.50

Grass, Ground, Lichen, Hedges & Foliage

NH100 150mm lengths of hedge x 6 (K&M)... £11

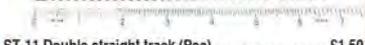
Animals

379-341 Cows (Gra) NEW... £8.08

379-340 Horses (Gra) NEW... £8.08

379-343 Sheep (Gra) NEW... £8.08

Track - Code 80 Setrack



ST-11 Double straight track (Pec)... £1.50

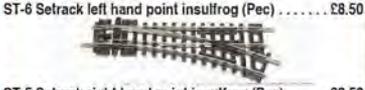
ST-19 N Setrack No. 4 radius double curve (Pec)... £2.50

ST-17 N Setrack No3 radius double curve (8 form a circle), 298.5mm/11.75" radius (Pec)... £2

ST-12 No.1 radius double curve (Pec)... £1.50

ST-3 No.1 radius single curve (Pec)... £1.30

ST-15 No.2 radius double curve (Pec)... £1.50



ST-6 Setrack left hand point insulfrog (Pec)... £8.50

ST-5 Setrack right hand point insulfrog (Pec)... £8.50

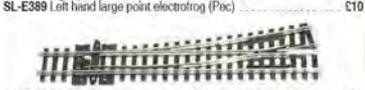
ST-1 Standard straight track (Pec)... £1.30

ST-300 Starter Track Set (Pec)... £44

Track - Code 80 Streamline

SL-302 1 yard (91.5cm) length of Concrete Sleeper Nickel Silver Flexible track (Pec)... £3

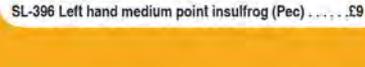
SL-302 Pack of 25 (Pec)... £64



SL-300 Pack of 25 1 yard (91.5cm) length of Wooden-Sleeper Nickel Silver Flexible track (Pec)... £64

SL-300 Single (Pec)... £3

SL-E389 Left hand large point electrofrog (Pec)... £10



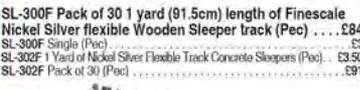
SL-E396 Left hand medium point electrofrog (Pec)... £9



SL-E388 Right hand large point electrofrog (Pec)... £10



SL-395 Right hand medium point insulfrog (Pec)... £9



SL-300F Pack of 30 1 yard (91.5cm) length of Finescale Nickel Silver flexible Wooden Sleeper track (Pec)... £84

SL-300F Single (Pec)... £3

SL-302F 1 Yard of Nickel Silver Flexible Track Concrete Sleepers (Pac)... £30

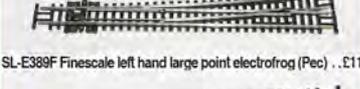
SL-302F Pack of 30 (Pec)... £91



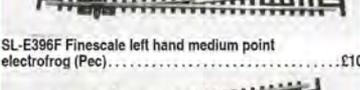
SL-E399F 3-way finescale turnout (Pec)... £26

SL-E387F Finescale curved double radius left hand point electrofrog (Pec)... £11

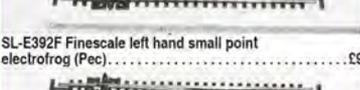
SL-E386F Finescale curved double radius right hand point electrofrog (Pec)... £11



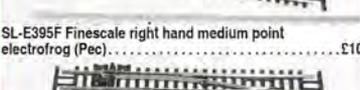
SL-E390F Finescale double slip electrofrog (Pec)... £35



SL-E389F Finescale left hand large point electrofrog (Pec)... £11



SL-E396F Finescale left hand medium point electrofrog (Pec)... £10



SL-E392F Finescale left hand small point electrofrog (Pec)... £9



SL-E395F Finescale right hand medium point electrofrog (Pec)... £10



SL-E391F Finescale right hand small point electrofrog (Pec)... £9

SL-E383F Finescale scissors crossover electrofrog (Pec)... £58

Track & Points

379-460 Left Hand Standard Point (Gra)... £7

379-461 Right Hand Standard Point (Gra)... £7

ST-45 Setrack N Gauge Curved Turnout LH (Pec)... £14

ST-44 Setrack N Gauge Curved Turnout RH (Pec)... £14

Track underlay



GM201 Flexible grey ballasted N gauge underlay real granite stone (Gau)... £18

Buses

379-608 Leyland Atlantean 'Northern' (Gra) NEW... £8.46

379-605 Leyland Atlantean 'Tynemouth' (Gra) NEW... £8.46

379-607 Leyland Atlantean Plymouth City Transport (Gra) NEW... £8.46

379-578 Leyland National 'NBC Greenline' (Gra) NEW... £8.46

379-577 Leyland National Alder Valley (Gra) NEW... £8.46

379-548 Leyland Titan PD2 Leicester Corporation (Gra) NEW... £8.46

379-545 Leyland Titan PD2 Southdown (Gra) NEW... £8.46

379-547 Leyland Titan PD2 Trent (Gra) NEW... £8.46

O Gauge (1:43 Scale)

Coaches

4922 BR Mk1 BSX brake 2nd corridor coach in blue & grey (Hal)... £250

4910 BR Mk1 SO 2nd open in camellia & cream (Hal) (set £525) BARGAIN £250

4913 BR Mk1 SO 2nd open in chocolate & cream (Hal)... £250

4952 Mk1 BG full brake in BR blue and grey (Hal)... £250

Wagons

1050 100xx OMA in BR blue - early (Hal)... £63

1040 200xx VAA sliding door van in BR blue - early (Hal)... £63

7F-071-029V 7 Plank Rusbon 625 (Dap) NEW... £36.50

7F-071-029W 7 Plank Rusbon 625 Weathered (Dap) NEW... £36.50

- 7F-071-014W 7 Plank Southern Railway 40040 Weathered (Dap) NEW... £34
- 7F-071-014 T Plank Southern Railways 40040 (Dap) NEW... £34
- 7F-071-013 7 Plank Wagon BR P73131 (Dap) NEW... £34
- 7F-071-015 7 Plank Wagon LMS 302081 (Dap) NEW... £34
- 4375 BR black DB683021 - Dogfish (Hal)... £79
- 4378 Engineers grey/yellow DB693116 - Dogfish (Hal)... £79

Track - Code 124 Bullhead Streamline



- SL-700BH Box of 12 1 Yard O Gauge Flexible Nickel Silver Track (Bullhead Nickel Silver Rail) (Pec)... £73
- SL-700BH Single (Pec)... £8.50
- SL-E792BH Left hand point bullhead rail and electrofrog (Pec)... £39
- SL-E791BH Right hand point bullhead rail and electrofrog (Pec)... £39
- ST-725 Sotrack Bullhead 2nd radius standard curve 410mm (16") radius 102mm (40.5"), 16 make a circle (Pec)... £6
- SL-E797BH Y Point bullhead rail & electrofrog (Pec)... £39

Cars

- 43BN6001 Bentley Mk VI in dark blue (as owned by Ivor Patons, railway photographer) (Ox)... £18
- 43BN6003 Bentley MkVI Brewster Green\_Black (Ox) NEW... £19
- 43DSP022 Daimler SP250 Royal Red (Ox)... £20
- VA09518 Ford Escort Mk1 1300E, Amber Gull (Ox) (list £19.99) BARGAIN... £16
- 43JAGXK150006 Jaguar XK1500 Coupe Bluebird Blue-D Campbell (Ox)... £18

G Scale

Steam locos

91404 Emily Steam loco (with moving eyes) (Thomas the Tank range) (Bac) £205

Train sets - analogue

90069 Percy and the Troublesome trucks train set (Thomas the Tank range) (Bac)... £199



People - civil

22-180 Dog Walker (Bac) NEW... £10.95

People - military

22-182 Embarking Soldiers (Bac) NEW... £10.95

Track & Points

10005 1.5m rail section for creating flexible track (LGB)... £10

10005 Pack of 20 (LGB)... £200

10650 Flight hand point, electrical switch, 22.5 degrees radius 3 (LGB)... £78

10610 Straight track 1200mm long (LGB)... £23

10610 Box of 6 (LGB)... £124

Any or Multiple Scales

Analogue controllers

COMBI Combi 12v 1 Amp Single Track Controller Transformer (Gau)... £30

P5000 Digital 15V 4A Multi-purpose Transformer (Hob)... £32



DS Double power controller brake simulator (Gau)... £119



D Double/Twin track power controller (Gau)... £69



Q Quadruple 4 circuit power controller (Gau)... £180

W Walkabout circuit controller (Gau)... £29



Analogue power supplies



M1 Transformer Output 2 x 16v AC 1A (Gau)... £37

Analogue point control

CDU Capacitor Discharge Unit (Gau)... £11

PCU1 Electronic points control unit (Gau)... £90

MCDU Mains Powered CDU Unit (Gau)... £20



PLS-100 SmartSwitch Set for 4 servo control & operation, switches, control board & digital readout for Analogue operation (Pec)... £54



DCC decoders

36-553 8-pin 3-function 0.75A decoder back EMF (Bac)... £15.50

36-564 8-pin decoder socket harness x1 (Bac)... £5.91

DCC15 Prodigy Decoder Doctor (Gau)... £65

DCC controllers



52000 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 Dynamics system - Additional handset (Bac)... £64.13



524-042 NCE Power Cab controller 12V 1.5A (NCE)... £136



DCC02 Prodigy "Advance 2" starter DCC controller package (Gau)... £215

DCC49 Prodigy 8 Amp booster unit (Gau)... £144



DCC14 Prodigy Advance 2 Backlit Walkaround controller (Gau)... £99



DCC01 Prodigy Express Package. Can be extended the DCC13 Walkaround or DCC51 Wireless (Gau)... £124

DCC11 Prodigy Extension Plate (Gau)... £30

DCC51 Prodigy Wireless Conversion Set (Gau)... £200



524-027 SB5 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)... £2.50

PL-10WE High performance turnout point motor extended pin (Pec)... £8

PL-10 Point Motor (Switch Machine) (Pec)... £6

PL-10 Bag of 6 (Pec)... £34



PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec)... £34

PL-10E Single (Pec)... £6

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/surface mounted point motor (Pec)... £7.50

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) £5.50

PL-26R Passing Contact Switch - Red Lever (Pec)... £5.50

PL-26W Passing Contact Switch - White Lever (Pec)... £5.50

Electronic components

HF-2 Electronic twin track cleaner (Gau)... £37

Accessories

PM-50 Connection Boxes (3) (Gau) NEW... £3.95

PM-52 Point Motor Accessory Pack (Gau) NEW... £2.95

SL-14 Track Fixing Pins (Pec)... £1.50

AC-13 Track Magic (Del)... £7

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

Track underlay

GM130 Cork sheet - 1/16" thickness 3' x 2' (000 x 900mm) approx (Gau)... £5.50

JCS18L Cork Sheet - 1/16" Thick - 24" x 36" (Jav)... £8

ST1140 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

Railway publications

CAT-3 Peco Catalogue - September 2015 (Pec)... £4.75

Glues

# 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](mailto:preowned@ehattons.com)

Post your list to:  
 17 Montague Road, Widnes, WA8 8FZ

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 brands purchased:

(including)



### Step 4

We confirm the offer &

make **Payment**

Fast and secure with your choice of either  
**Cash - Bank Transfer - PayPal - Cheque**



### Step 3

Either **Send** us your items  
 Or we arrange to **Collect**, then **Check**  
 through the list



"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



# DCC Supplies

Excellence in model control

E-Mail: info@dccsupplies.com Website: www.dccsupplies.com  
Telephone: 0845 224 1601 OR 01905 621 999

- We take the time to find the product for you.
  - Our own range of innovative products.
  - We stock everything you will need.
    - DCC installations for any gauge.
    - Expert friendly customer support.
    - Informative DCC workshops.
    - Teaching you the facts since 2006.
- Visit us at our shop and try the demo facilities.

**Shop Opening Times:**

Mon - Wed 10am - 6pm  
Thursday 12pm - 6pm  
Friday 10am - 5pm  
Saturday 10am - 4pm  
Visitors Welcome.

**Phone Opening Times:**

Mon - Thurs 10am - 6pm  
Friday 10am - 5pm



The Complete Digital Service

Unit 17A, Top Barn Business Centre, Holt Heath, Worcestershire, WR6 6NH

# 4 TRACK MODELS

Quality Pre-painted kits made from MDF, HDF and Laserboard



check your local retailer for stock

Would you like to retail our stock? Contact us for details



Ultimate realism from: 4GROUND TRACKS AND EQUIPMENT

UK Manufactured

www.4trackmodels.co.uk

Tel: 01264 541 007 Email: sales@4trackmodels.co.uk



# The Epsom Show 2016

Saturday April 23<sup>rd</sup>

10.00am—5.30pm

Sunday April 24<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

Harlyn Pier (O), Leicester South (OO), Clevedon (EM)  
Portsea (3mm), Brixham (N), St Merryn (P4)

**Traders**

ACE Products	Dart Castings	Plus Daughters
Addlestone Models	Dougal's Den	Railwayania
ALL Components	Eileen's Emporium	Roger Carpenter
Bluebell Railway	Freestone Model	Photos
Branchlines	Accessories	Roxey Mouldings
Ceynix Miniature Trees	Geoff Gamble Books	South Eastern Finecast
C&L Finescale	N Brass Locos	Wealistic Models
d.c. Kits & D & E Videos	Peter Dunk	

EPSOM & EWELL MODEL RAILWAY CLUB



# The Track Specialist

## C&L Finescale Modelling



**Does your track look just like the prototype?**

Are the sleepers the correct length and spaced correctly, with detailed chairs and proper Bullhead rail section? If not then you are probably not using **C&L's own flexitrack!**

**Your Options are with C&L are:**

**Track** – Ready to use Flexitrack or make your own from components. Now available with thin or thick sleepers (thick matches Peco for depth).  
**Turnouts** - New 'Ready to Use' (just drop into place and use), or buy an 'Easy Build' kit and assemble yourself. Simply thread chairs onto the rail and glue to the timbers. Rail parts pre-made so no soldering or filing. Full Instructions. Range of sizes. Build on a curve. In OO, EM, P4 & O.

**All you need to start you off on the right track!**

www.finescale.org.uk 01179 505 470

Visit our Shop at Bristol – BS10 7RZ (4 miles from Cribbs Shops & M5)



Ellis Clark Trains  
 Unit 13 Baildon Mills  
 Northgate, Baildon  
 Shipley, West Yorkshire, BD17 6JX



Top prices paid for your collections  
 of model railways, diecast & tinsplate  
 For more info call Ellis on 07799 554491

# WANTED

- ✓ 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
- ✓ Payment in your preferred method
- ✓ Happy to travel nationwide and view or collect
- ✓ Large collections a speciality
- ✓ Friendly and professional service



NEW  
 e-commerce  
 website launches  
 14/10/15

T 01274 809317 M 07799 554491  
 E [ellis@ellisclarktrains.com](mailto:ellis@ellisclarktrains.com)  
 W [ellisclarktrains.com](http://ellisclarktrains.com)

**SAS** Est. 1991  
[specialauctionservices.com](http://specialauctionservices.com)

## Glorious Trains 13 & 14 April



*A very rare Bassett-Lowke  
 streamlined LMS Coronation Pacific  
 Locomotive and Tender Estimate: £4,000 to £6,000*

We are now probably the largest auctioneers in the UK holding regular sales of toy and model trains, with two Glorious Trains sales added recently. We hold at least nine sales a year, plus our special Trains Galore auction. Our sales include railwayana and toy and model locomotives. 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.

81 Greenham Business Park, Newbury RG19 6HW [www.specialauctionservices.com](http://www.specialauctionservices.com)

**NEW**  
FOR 2016

# HORNBY®

**2016**  
HANDBOOK

**JUST**  
**£6.99\***

## THE FIRST HORNBY HANDBOOK

**EXCLUSIVE: FULL 2016 RANGE PREVIEW!**

# HORNBY®

**2016**  
HANDBOOK



Beginners guides

Prototype history

Model construction



PRODUCTS • DETAILING • PROJECTS [www.hornby.com](http://www.hornby.com)

## AND MUCH MORE!

Bringing together full details on Hornby's 2016 range together with practical guides to railway modelling this new 140 page special is a great way to start out in railway modelling. Inside the new models from Hornby are listed in full together with detailed histories of the new locomotives. Alongside this are step by step guides to building baseboards, making a station, a tunnel, locomotive detailing and much more.

### FEATURING:

- **Hornby 2016 range preview**  
Full listings for new locomotives, carriages, wagons, buildings and more.
- **Model development**  
Discover how Hornby takes a new project from dream to reality.
- **Planning your first railway**  
A beginners guide to the basics of designing a model railway.
- **Laying down the line**  
A step by step guide to laying track.
- **Prototype surveys**  
Historical features on the 'Merchant Navy', Class 71, 'Q6', 'B12' and Peckett 0-4-0ST.
- **How to make tunnel**  
A step by step guide to building scenery and installing a tunnel.
- **Building a Skaledale station**  
A detailed guide to assembling a realistic station with Skaledale buildings.

## ORDER DIRECT

# JUST £6.99 + FREE P&P\*

\*Free 2nd class P&P on all UK & BFPO orders. Overseas charges apply.

189/16

**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 DISCOUNT!

**AUTUMN OFFERS**

Tornado Pullman Express..... £95

**COACHES**

R4468 Gresley Buffet Blue/grey..... £39.95  
 R4534A/B Push-pull Coach Pk ..... £62.50  
 R4606 BR Blue 50 Foot Full Brake ..... £19.95  
 R4521B BR Maroon Gresley Sub Comp ..... £22.50  
 R4577B BR Thompson Sub Brake ..... £20.50

**STEAM LOCO'S**

R3110 BR 2-6-2 Tank 61XX Class..... £69  
 R3017 Patriot Sir Herbert Walker..... £90  
 R3030 LMS 4F..... £70  
 R3124 BR Early Crest 42XX..... £98  
 R3126 BR Late Crest 52XX..... £98  
 R3243/A Late Crest K1 62024/7 ..... £115  
 R32042 Early Crest K1 62015..... £115  
 R3305 E/C Weathered K1 62059..... £115  
 R3241 City of Bradford ..... £125

**TTS SOUNDS LOCOS**

R3245 A1 Tornado ..... £140  
 R3370 Duke Of Gloucester..... £128  
 R3284 Flying Scotsman..... £89.99  
 R3285 LNER A4 Gadwall..... £95

**LIMITED EDITION ROYAL TRAIN LOCO**

R3272 Class 67 Royal Sovereign ..... £105

**DIESEL LOCO'S**

R3345 Class 66 Freightliner..... £62.50  
 R3067 – BR Rail Road Blue Class 31 ..... £49.95

**DAPOL**

Dapol Coach Kits..... £9.95  
 Dapol Ready Made Coaches..... £12.95

**BR Mark1 Full Spec Coaches**

(Metal Wheels & Enhanced Printing)  
 R4619 Maroon parcels coach  
 R4620 Crimson & Cream 2nd open  
 R4621 Maroon TSO  
 R4642 Chocolate & Cream parcels coach  
 R4643 Maroon 2nd open  
 R4644 Chocolate & Cream TSO

Were  
**£23.00**  
**ALL £19.99**

**Hornby Decoders**  
*probably the cheapest in the country!*

**DCC DECODERS**

R8249 – 8 pin DCC Decoders ..... £12.50 ea, 6 for £72  
 R8245 – 8/21 pin Sapphire Decoders ..... £21



Dent Station – was £39.95 now £29.95

**Pennine Models**  
*at Haworth*  
**Wednesday to Sunday**  
**11am-5pm**  
 33/35 Mill Hey, Haworth,  
 Keighley BD22 8NQ  
 Tel. 01535 642367  
 penninemodels@gmail.com

**MK1 COACHES**

R4406A Crimson & Cream Brake 3rd..... £21  
 R4407A Crimson & Cream Composite..... £21  
 R4408A Crimson & Cream Brake Comp..... £21  
 R4613/4/5 ..... £16.95  
 R4611/12 ..... £19.95  
 R4350/51/52/53/54/55..... £12.95  
 4627/29/30 ..... £12.95  
 R4609 BR MK1 Full Spec Coaches ..... £20.50

**LIGHTED PULLMAN COACHES**

R4419/21/25/30..... £35  
 R4422/23/24/26/29/80/81/86..... £25

**MK3 COACHES**

Blue Grey ER with lights FO, TSO, TGS Buffet..... £33  
 R4635/A/B Arriva Wales MK3 Standard Class..... £16.50  
 R4593 / R4632 A/B & C /R4531A, R4631A & R4635 – Intercity  
 Exec Grey / Red Stripe..... £16.50 each

**MK4 COACHES**

East Coast MK4 R4465/A,66/A/B/C/67/68 ..... £26.50

**WAGONS**

R6675/76/77 21 Ton Hopper..... £13.95  
 R6489/70/71 OTA Thamesboard Blue..... £12 ea  
 R6541 Total..... £6.95  
 R6642/A/B/C Shunters Wagon GW ..... £9  
 R6643/A/B/C Shunters Wagon BR ..... £9  
 R6401A BR 9 Plank Grey..... £5.50  
**R6606 MGR Hoppers ..... Pack of 3 £17.50**  
 ..... **2 Packs of 3 £30**  
 R6692A/B Blue spot Fish Van ..... £8.95 each  
 ..... Or 3 for £25  
 R6703 GT Parker & Sons Boston..... £8.50  
 R6704 Hickleton Coal Wagon..... £8.50  
 R6717 Hornby 2015 Wagon..... £7.99  
 R6679 BR Horsebox ..... £15  
 R6712A BR Open Wagons ..... 3 pk £16.50  
 R6508A BR 20 Tonne Break Van - ..... £14.50

**HORNBY YEAR WAGONS**

2013...£8.25 2015...£7.99

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**

# THE GREAT ELECTRIC TRAIN SHOW

BOOKING OPEN  
10<sup>TH</sup> MARCH

BRITISH MOTOR MUSEUM,  
WARWICKSHIRE CV35 0BJ

## OCTOBER 8/9 2016

RETURNING FOR ITS FOURTH YEAR!



Haymarket Cross - 'OO' gauge, Eastern Region

### SAVE £s WHEN BOOKING IN ADVANCE

ADULT (Save £5\*) £9

CHILD (5-16 yrs) (Save £2\*) £7

Children under 16 must be accompanied by an adult at all times.  
\*Savings against BMM on-the-day ticket prices.  
Deadline for advance ticket orders 30 September 2016.

## 25+ WORKING LAYOUTS

in the major scales, gauges and eras, including:

- **Old Elms Road** - 'OO' gauge, Southern Region
- **Dentdale** - 'N' gauge, London Midland Region
- **Goathland** - 'OO' gauge, preservation
- **Haymarket Cross** - 'OO' gauge, Eastern Region
- **St Stephens Road** - 'OO' gauge, Western Region

Practical demonstrations for hands-on advice  
and inspiration

A wide selection of top quality traders  
and manufacturers

(Layouts subject to change)

TICKET PRICE WILL INCLUDE:

- FREE** ACCESS TO BRITISH MOTOR MUSEUM
- FREE** ON-SITE PARKING
- FREE** COURTESY BUS FROM LEAMINGTON SPA TRAIN STATION  
(Saturday Only)

ON THE DAY PRICES:

- Adult: £14 • Concessions: £12 • Child (5-16 yrs): £9
- Children under 5: FREE • Family (2 adults, 3 children): £39

**Advance Ticket Holders:** Express lanes in operation. Entry from 9.30am.

**Opening Times: Saturday October 8:** 10am to 5pm

**AND Sunday October 9:** 10am to 4pm.

## Visit: [www.greatictrainshow.com](http://www.greatictrainshow.com)

## Call: 01780 480 404

Brought to you by

KEY  
EVENTS

HORNBY  
magazine

BRITISH  
MOTOR  
MUSEUM

Check website for full list of layouts,  
demonstrations and exhibitors

# 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: **Hartlepool, Guisborough, Ripon, Bingley, Wolverhampton, Petersfield, Loughborough, Market Harborough, Keswick, Windermere, Rugby, Bexhill on Sea, Crawley, Leeds, Wakefield and Shrewsbury.**

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)

# Radley Models

01425 479377 www.radleymodels.com

## THE ALL NEW DREADNOUGHTS



Easy to make dreadnought to go with the Heljan Metropolitan Bo-Bo

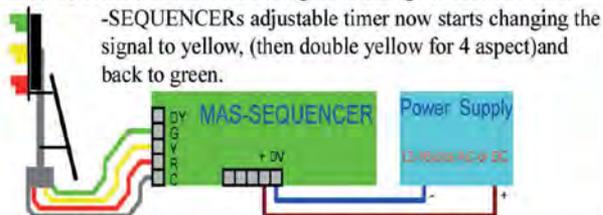
Large range of London Transport Kits

Don' Miss Out - Check out our web We do 2mm, 3mm, 4mm and 7mm

# HEATHCOTE ELECTRONICS

detection control effects

The MAS-SEQUENCER controls 2, 3 or 4 aspect LED signals. After passing the signal the train is detected with the MAS-SEQUENCERS built in infra red detection. This causes the signal to change to red. The MAS



-SEQUENCERS adjustable timer now starts changing the signal to yellow, (then double yellow for 4 aspect) and back to green.

The diagram shows the simplicity of the wiring. A terminal is also provided for Manual override to red for stations and junctions. Lines with more than one signal use IRDASC-4 units to control the other signals. A single wire from the MAS-SEQUENCER to the IRDASC-4 synchronises the aspects of the signals. Units are compatible with conventional and DCC control.

For working Dapol semaphore signals automatically we have the Semaphore-Sequencer. This detects trains approaching the signal, changes the signal to clear and starts an adjustable timer. At the end of the timing interval the signal returns to danger.

MAS SEQUENCER £16.95 SEMAPHORE SEQUENCER £17.40  
p & p £3.80 per order

We stock **CR Signals** in N and OO gauge. These are suitable for the MAS-Sequencer.

Payment by cheque credit/debit card, paypal or postal order.

[www.heathcote-electronics.co.uk](http://www.heathcote-electronics.co.uk)

email: [cah@heathcote-electronics.co.uk](mailto:cah@heathcote-electronics.co.uk) phone/fax: 01538 756800

Heathcote Electronics, 1 Haydock Close, Cheadle Staffs, ST10 1UE

# JUST KICKED OFF...

FOX TRANSFERS are pleased to announce our new range of 4mm/00 gauge 'FOOTBALL SPECIAL' nameplates



All our Etched Nameplates, Headboards, Works Plates, Smokebox Numbers & Shed Codes are beautifully & lovingly crafted and painted by hand.



**FOX TRANSFERS LTD**  
TEL +44 (0)116 319 4950 (QUOTING HO)  
Dept HO, Unit 5, Priory Business Park, Wistow Road,  
Kibworth, Leicestershire LE8 0RX, ENGLAND callers by appointment  
email: [sales@fox-transfers.co.uk](mailto:sales@fox-transfers.co.uk) web: [www.fox-transfers.co.uk](http://www.fox-transfers.co.uk)  
(the nameplates illustrated are just a small selection in our range)

# just-tracks

## 4mm Finescale Trackwork



Handmade Trackwork  
Layout Design/Construction

Tel: 01793 881515

Email: [info@just-tracks.co.uk](mailto:info@just-tracks.co.uk)

[www.just-tracks.co.uk](http://www.just-tracks.co.uk)

# 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 2016

Saturday, Sunday, Monday - 26th, 27th & 28th March



OLD MILL COLLIERY SIDINGS by Wolverhampton MRC  
Photo: Tony Wright courtesy Hornby Magazine

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

Free Parking for 800 Cars  
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: [manager@yorkshow.org.uk](mailto:manager@yorkshow.org.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)

**HARDBACK**  
*Collectors' Edition*

# HORNBY

2016  
magazine yearbook No. 8



JUST  
**£17.99\***

Hornby Magazine Yearbook No. 8 is brand new this autumn. It features the latest layout build by the Hornby Magazine team focusing on a 1980s period power station.

In this Yearbook we guide you through the process of building a model railway showing how this layout - West Riding Power - has been developed using Bachmann's new set of Scenecraft buildings as the basis. Features include landscaping, weathering, detailing, how to install digital sound and much more including historical features and step by step guides.

Each feature is fully illustrated with detailed construction photographs and includes work by well known Hornby Magazine contributors Tim Shackleton, Paul Chetter and Nigel Burkin.

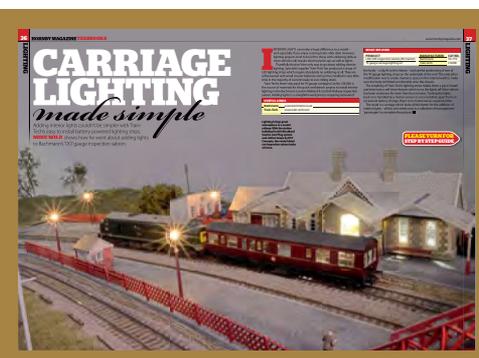
**FULL COLOUR • HARDBACK • 128 PAGES**

**FEATURES INCLUDE:**

- Ground cover techniques.
- Weathering steam locomotives.
- The history of the British 4-6-0.
- Review of the year - 2014-2015.
- Building a power station in 6ft x 4ft.
- Installing DCC sound and smoke in a 'Black Five'.
- Preview to 2016 model releases.

**AND MUCH MORE!**

**This Yearbook is also available as a softback bookazine for just £6.99!**  
**Visit the website or call to order.**



## ORDER DIRECT



**FREE P&P\*** when you order online at  
[www.keypublishing.com/shop](http://www.keypublishing.com/shop)

OR



Call UK: **01780 480404**  
Overseas: **+44 1780 480404**  
Monday to Friday 9am-5:30pm

**SUBSCRIBERS CALL FOR YOUR £5.00 DISCOUNT!**

\*Free 2nd class P&P on all UK & BFPO orders. Overseas charges apply. 188/16

[www.grimytimes.co.uk](http://www.grimytimes.co.uk)

WEATHERING SPECIALIST

**GRIMY TIMES**



Weathered locos for sale - SEE WEBSITE

EXCEPTIONAL  
QUALITY &  
PRICE

ALL SCALES CATERED FOR RENUMBERING & RENAMING  
Contact Steve Tel: 01925 632209 Mobile: 07921 830484  
Email: grimytimes66@yahoo.co.uk (for weathering only)

**Sankey  
Scenics**

Over 650 different packs of  
Quality Signage & Train Packs

NEW  
ITEMS

COACH DESTINATION BOARDS



THE MOST  
COMPREHENSIVE  
RANGE OF  
MODEL  
SIGNAGE

Tel: 07565892209

[www.sankeyscenics.co.uk](http://www.sankeyscenics.co.uk)

**GraphicAir**

GraphicAir stock a wide range of tools and accessories for the model maker including paints, airbrushes, compressors, stencils, cutting mats and craft knives



iwata

COMART  
colours  
for Airbrush & Paintbrush

**LIFECOLOR**  
ACRYLIC HOBBY COLORS

**SPARMAX**

visit us: [www.graphicair.co.uk](http://www.graphicair.co.uk)  
call us: 01423 522836  
mail us: [info@graphicair.co.uk](mailto:info@graphicair.co.uk)

# THE JUNCTION BOX WANTED - WANTED -

## MODEL RAILWAYS



- Top prices paid for N and OO gauge collections or individual items, such as
- Airfix • Bachmann • Graham Farish
  - Hornby • Lima • Mainline • Peco
- or any other makes.

*Will travel to collect.*

Please forward your list of items by E-mail to: [lan@ihunter10.plus.com](mailto:lan@ihunter10.plus.com)

Or send to: The Junction Box, 15, Shepherd Terrace, Haltwhistle, Northumberland NE49 9LS

Or contact lan **07763 806306 / 01434 320328**

Please visit our online shop for all your model railway requirements at:

[www.thejunctionbox.net](http://www.thejunctionbox.net)

**key**  
**SHOP**

For a great selection of books, DVDs, magazines and models visit:



[www.keypublishing.com/shop](http://www.keypublishing.com/shop)

**HAVE SOMETHING TO SELL?**



**WE WILL CONSIDER ANYTHING**

**CONTACT US FOR A FREE QUOTE - WE BUY AND SELL**

1. Call 07725 112 325
2. Email - [model-railway-emporium@outlook.com](mailto:model-railway-emporium@outlook.com)
3. Send a letter to our address - Please ring for address

**NEW E-COMMERCE WEBSITE COMING SOON**

## Mike Pett Supercast Figures Button Badges



50 x, 38mm type set badges £22.50

25 x, 55mm type set badges £24.50

Ideal for Exhibitions, Clubs etc

Mike Pett Supercast Model Railway Figures, 12 Chatham Street, Ramsgate Kent CT11 7PP Tel: 01843 593417 Mob: 07976 724225 Email: [mikepettphotos@btconnect.com](mailto:mikepettphotos@btconnect.com) Please make cheques payable to Mike Pett

## Essential Railway Reading from Key Publishing

1232/15

Whatever your interest in railways, be it steam and diesel nostalgia, today's railway scene or modelling, Key Publishing have the magazine for you.



### Hornby Magazine

*Hornby Magazine* takes a unique approach to railway modelling with both the relatively inexperienced and the seasoned modeller in mind. Focusing mainly on 00 gauge but regularly featuring N gauge, this independent magazine was the first to offer step-by-step guides, giving modellers hints and tips on how to get the most from the hobby. £4.20



### Modern Locomotives Illustrated

*Modern Locomotives Illustrated*, the UK's number one modern traction partwork, is the unique bi-monthly magazine dedicated to recording the development and operation of the UK diesel and electric fleets. £4.50



### Railways Illustrated

*Railways Illustrated* is the monthly magazine devoted to British railway enthusiasts covering the modern scene. Each issue contains the latest news, features and views, charter trains, preservation, main line steam, steam galas, event reviews, world news, nostalgia and rolling stock changes! £4.40



Available from major newsagents or from Key direct



[www.keypublishing.com/shop](http://www.keypublishing.com/shop)

P+P: Free 2nd class delivery, UK and BFPO only. For overseas postage rates please refer to the website or call for details.



Call UK **01780 480404**  
Overseas **+44 1780 480404**

Lines open 9.00am - 5.30pm GMT, Monday-Friday



# 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.



Coming 2016 - Class 73 In EW&S, Fragonset & Network Rail, pre-order now!  
 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)



## SPRINGSIDE MODELS

2 Springside Cottages Dornaple Road Ipplepen  
 Newton Abbot S. Devon TQ12 5SJ  
 Telephone: 01803-813749 (this has answering facilities)  
 Mobile: 07720939094  
 Email: [springsidemodels@btinternet.com](mailto:springsidemodels@btinternet.com)

**4mm / OO Gauge Painted and Jewelled Head and Tail Lamps**  
 Pack of 5 is £4-25 or Pack of 10 is £7-95p Except DA6 & DA7DA1 GWR White Body. DA2 GWR Red Body. DA3 SR White Body. DA4 LMS White Body. DA4A LMS Black Body. DA4B Midland Maroon Body. DA5 LNER White Body. DA19 BR. White Body. DA99 Modern Image White Body. DA6 Guards Van Black body. Pack of 5 £4-55p Pack of 10 £8-25p  
 DA7 Railway hand signal lamps Pack of 6 £4-75p  
 DA 20 arc Tail Lamps only (all Red Jewels). *State Region* £4-25p Tail Lamps only available in Packs of 5  
**2mm / N Gauge Painted and Jewelled Head and Tail Lamps**  
 Packs of 5 only at £4-25p  
 No1 GWR White body No2 GWR Red body No3 BR White No4 LMS Black body. No5 LMS White body Tail Lamps also available *state region* £4-25p for a pack of 5  
**7mm / O Gauge Painted and Jewelled Head and Tail Lamps**  
 Packs of 5 only at £8-25p Except No17 No15 GWR White Body. No16 GWR Red Body. No89 SR White Body. No21 LMS White Body No22 LMS Black Body. No23 Midland Maroon Body. No 90 LNER White Body  
 No17 Guards Van Black body. £8-95p No25 BR. White Body. No88 Modern Image White Body.  
 Tail Lamps are available in packs of 5 at £8-25p please *state region*

### Springside Dornaple Pre Coloured Plastic Kits



PSW3 GWR Country Station £16-95p  
 PSW6 GWR Waiting Room £8-95  
 PSW7 GWR Keepers Cottage £8-95p  
 PSW8 Platform Signal Box £11-95p  
 PSW4 LMS Country Station £16-95p  
 PSW11 LMS Waiting Room £8-95p  
 PSW9 LMS Keepers Cottage £8-95p  
 DPB6 Station Masters House with walled surround £14-95p  
 DPB4 Stucco Finish Town House £10-75p  
 DPB6 Red Brick Town House £10-75p  
 DPB401 Red Brick Terraced Houses Pack of 6 Houses with rear yard and outside Toilet £31-95p

**Springside catalogue 2mm and 4mm White Metal Kits £3-95p each Post Paid**  
**Springside catalogue 7mm/0 gauge Kits £3-95p each Post Paid**  
**Dornaple catalogue Plastic Kits 2mm and 4mm Buildings and 2mm Lorry Kits £3-95p each Post Paid**  
 Please send orders and payment by post or email or phone us. We Accept payment by cash, cheque, Debit and credit cards  
**Post and Packing is £2-25** on orders under £50 and free on orders over £50 UK only  
 Please note we do not receive visitors at the Dornaple road address and only by prior arrangement at our units  
 See more of our Range on [www.springsidemodels.com](http://www.springsidemodels.com)

## 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 (in buildings, under canopies etc)
- Victorian Lamp £2.79 (Choice of red, blue or green)
- 2 x Gas Lamps £2.99
- Yard Lamp £6.99
- Double Lamp £2.99 (Choice of red, blue or green)
- Swan Neck Lamp (BR/GWR) £2.69
- Swan Neck Lamp (BR/SR) £2.69
- Swan Neck Street Lamp £2.69
- Swan Neck Platform Lamp £2.69
- Swan Neck Street Lamp £2.99
- Freight Yard or Car Park Flood Light £7.99
- Wall Mount Electric/Gas Lamp £1.99
- 2 x Wall Mount Gas Lamps £4.49
- Victorian Street or Platform Lamp (green, blue or red) £2.49 (50mm High)
- Modern Main Street or Platform Lamp £2.79 (45mm High)
- Swan Neck Street Lamp £2.99 (30mm High)
- Swan Neck Platform Lamp £2.99 (30mm High)
- Curved Street or Platform Lamp (green, blue or red) £2.39 (45mm High)

**PECO TURNTABLES**

Turntable Kits  
 "00" £46.50 (LK-56)  
 "N" £16.25 (NB-56)

Motor Drive Kits  
 "00" £22.99 (TTD00)  
 "N" £22.99 (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.

**ATLAS TURNTABLES**  
 Ready made \* 21 possible track positions \* Deck Length:  
 "N" = 7.5" "00" = 9"

AL2790 "N" T/Table £29.95  
 AL2791 "N" Motor £22.95  
 AL305 "00" T/Table £34.95  
 AL304 "00" Motor £29.95

These turntables are above board mount so no baseboard cutting required. Manual or with easy to fit motor.

**Airbrush/Compressor Deal £95.00**  
 Compressor - low noise, auto-stop  
 Airbrush - double action gravity feed  
 Hose - braided 1.8m

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 or Steam types with a selection of sound decoders from £120.00 fitted

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

## SouthWest digital

Distributor for the UK

ESU Trade welcome

Photos: Chris Perkins

# As real as it gets!

**New YouTube channel, see website for details**  
 ALL products come with a 2 year warranty and FREE return postage

Crystal clear digital sound

Test drive the latest loco sounds with stunning clarity at SWD - call now for more info

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

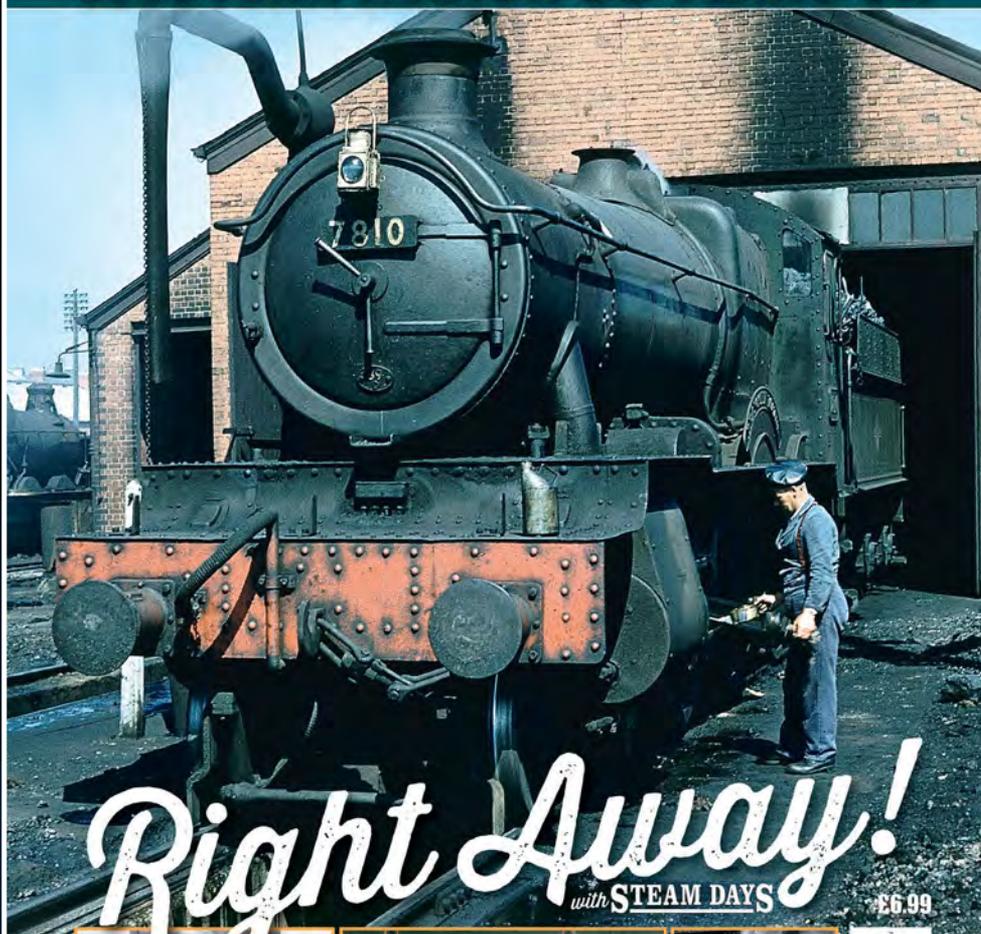
**T: 01934 515382** [info@swd4esu.co.uk](mailto:info@swd4esu.co.uk)  
[www.southwestdigital.co.uk](http://www.southwestdigital.co.uk)

# BR STEAM

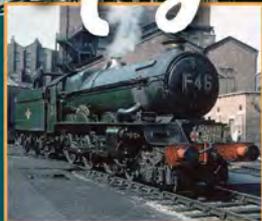
## WESTERN REGION 50 YEARS ON

# BR STEAM

## WESTERN REGION 50 YEARS ON



*Right Away!*  
with STEAM DAYS £6.99



JUST  
£6.99

*BR Steam - Western Region 50 Years On* commemorates the 50th anniversary of the end of steam on British Railways Western Region as 31 December 1965 saw the end of steam-hauled Western Region trains.

With supporting text and a wealth of archive photographs, *BR Steam - Western Region 50 Years On* traces the story of steam in the 18 years (1948-1965) that the former Great Western Railway lines, together with some lost, and others gained, spent as part of the nationalised system – British Railways. All railway enthusiasts that recall those halcyon days of Western Region steam will have their own special recollections, and *BR Steam Western Region 50 Years On* will help rekindle some of those memories over 116 high-quality pages.

### Features include

- An inherited railway
- Pre-Grouping locomotives in Western Region days
- Great Western locomotives that never were
- Western Standards
- Steam Days in Colour: Paddington and its London suburbs
- 1963 regional changes and Dr Beeching's medicine
- The countdown to oblivion of GW steam - 1956 to 1965
- 1965 - steam's final year

**AND MUCH MORE!**

## ORDER DIRECT:



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**

Lines open 9.00-5.30, Monday-Friday



\* Free P&P valid on UK and BFPO orders. Overseas charges apply

187/16

**SUBSCRIBERS CALL FOR YOUR £1.00 DISCOUNT**



# Harburn Special Editions – '00' Bachmann



Tanker  
'Scottish & Newcastle'  
lightly weathered  
£19.95



Five plank coal wagon  
'Devlin's' £14.50



Conflat with two  
'MACFISHERIES'  
AF insulated  
containers  
£19.95

**NEW**  
**'00' gauge**



West Highland Line Coach Pack in green/cream livery (2 x Mark One TSOs and 1 x Mark One BCK)  
£115.00

Harburn Hobbies  
67 Elm Row  
Edinburgh EH7 4AQ  
Tel: 0131 556 3233  
www.harburns.co.uk  
P&P £3.00 per order

Saturday 19th March 2016 - Vintage Train & Toy Sale at Rugby - 10.00am

Friday 15th April 2016 - Model Train Sale at Thornaby - 10.30am

For further information regarding the 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)

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



**VECTIS AUCTIONS**, FLECK WAY, THORNABY, STOCKTON-ON-TEES, TS17 9JZ  
Oxford Office, Unit 5A, West End Industrial Estate, Witney, Oxon, OX28 1UB

**The World's Premier Train Auction House**

# Locomotion

THE NATIONAL RAILWAY MUSEUM AT SHILDON

# National Railway Museum



## Limited Edition R3503 BR (NRM) 'Flying Scotsman' & Support Coach



This specially commissioned limited edition train pack exclusively produced for LocomotionModels.com of which only 500 have been produced includes 'Flying Scotsman' with a slightly higher gloss level than usual so as to represent more accurately the pristine condition of the locomotive when it is finally outshopped after restoration.

**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 771413



Possibly Hampshire's Largest Stockist of Model Railways, Diecast, Books, Magazines, Scalextric and much more...  
Second Hand Department NOW OPEN.

**Heljan Loco's - Last Few!**

4753	Class 47 122 BR Blue	£89.00
4802	Class 47 211 Railfreight Grey Lge Logo Yellow Cabs	£89.00
4803	Class 47 340 Railfreight Grey / Red Stripe	£89.00
4804	Class 47 361 'Wilton Endeavour' Railfreight Distribution	£89.00
48043	Class 47 361 'Wilton Endeavour' Railfreight Distribution - weathered	£89.00
4805	Class 47 212 Railfreight Petroleum	£89.00
48053	Class 47 212 Railfreight Petroleum weathered	£89.00
4806	Class 47 593 'Galloway Princess' InterCity	£89.00

All new stock & prices include postage.



Monday: Closed  
Tuesday to Saturday: 9.00am to 5.00pm  
Sunday: See website / call  
Tel: 01420 542244  
altonmodelcentre.co.uk  
7a Normandy Street, Alton  
Hants, GU34 1DD

**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.acmodelsparas.co.uk](http://www.acmodelsparas.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



and much more



7/9 High Street, Eastleigh, Hants SO50 5LF

email: [info@acmodelseastleigh.co.uk](mailto:info@acmodelseastleigh.co.uk) Closed Weds, Sun.

**Taunton Controls Ltd.**

ZTC products designed and built in the UK

ZTC controllers from £210  
ESU and Gaugemaster agents

[www.tauntoncontrols.co.uk](http://www.tauntoncontrols.co.uk)

HELPLINE 01823 327155

9am to 9pm (Closed Wednesdays)



**ROXLEY MODELS**

SPECIALIST ADVICE FOR ALL YOUR RAILWAY NEEDS



R3310 BR 4-6-2 'Bude' West Country Class - Late BR



Telephone: 01372 452976

Website: [www.roxleymodels.co.uk](http://www.roxleymodels.co.uk)

Email: [enquiries@roxleymodels.co.uk](mailto:enquiries@roxleymodels.co.uk)

Address: 4 Beckley Parade, Leatherhead Road, Great Bookham, Surrey, KT23 4RQ  
Opening Hours: Mon-Fri (9.30-17.00), Sat (10.15-17.00), Sun (Closed)



**Model the LYR**

View Modelling articles

on our website

Join online at [lyrs.org.uk](http://lyrs.org.uk)

Members receive 7 publications each year

4 magazines

in full colour with topical information and modelling articles

3 LYR Focus

Historical information  
Researched by well known authors

Plus access to

Photo collections  
Drawing collections  
Information service  
Model kit & book offers

Only £32

International members £40

The Lancashire & Yorkshire Railway Society



Ken Carter, Membership Officer  
11 Waveney Close, Arnold, Nottingham NG5 6QH  
[membership@lyrs.org.uk](mailto:membership@lyrs.org.uk)



**Illustrated Catalogues Including Post**  
 00,009 (1/76th) £6 In Colour  
 N (1/148th) In Colour £5 In Colour  
 O (1/43rd) In Colour £4 In Colour  
 Mail Order By Return P+P £4, over £40 Post Free  
 Unpainted metal kits-glass 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

**00 SCALE**  
**Railway Rapier Loading crane** £30.45, steel pile harbour wall 820mm long + wall & turntable £19.95  
 loads of kits in our illustrated colour catalogue



5 6 1950's Station figs guards fat controller porter etc	£5.50	Painted Single Head Traffic Light	£6.05
6 ass Gravediggers, Pick, shovel and lamp holders	£5.95	Painted Twin Head Traffic Light	£5.35
Canadian Canoe and 2 paddling figs	£5.95	Painted Police Telephone box (resin)	£13.40
Canadian Canoe padding and resting figure	£5.95	Painted Hunt Scene 2 mounted riders	£9.40
3 Deep-sea Divers, 2 helpers, compressor	£5.65	Painted Hunt Scene 6 Assorted Hounds	£8.35
3 x Kids/ R.C. Toys, 1 adult launching plane	£5.50	Painted Cricket Game 15figs	£31.50
6 kids, 4 with skateboards, 2 rollerskates	£5.50	Painted Morris Dancers	£25.20
1 x Windsurfer and figure	£4.45	Painted Loco Spotters(3) & 8 Kids	£25.20
3 Surfers, 2 surfing one waxing board	£5.50	Painted Lych Gate	£12.35
4 Hunting figs & 2 'gun dogs' with pheasant	£5.50	Painted Church Notice Board & Crucifix	£9.95
6 Assorted People with Umbrellas	£5.55	Painted War Memorial	£9.95
8 Assorted Ambulance/Paramedics	£6.55	Painted Gardeners (4 figs and equipment)	£12.10
2 Assorted Mobility Scooters and Figs	£5.70	Painted Blacksmith and equipment	£36.50
Council/Municipal Figure and rubbish cart	£4.40	Painted 4 Soldiers Marching	£9.25
Cider/Fruit Press Figure and demijohns	£5.50	Painted 1 Officer for Above	£2.65
C.C.T.V. Cameras (3 wall and 1 post mounted)	£4.90	Painted 1 Mounted Above	£5.20
5 Policemen in various positions	£4.75	Painted 6 Sitting Figures	£13.20
Assorted Agricultural Tools & Equipment	£4.00	Painted 6 x Standing Figures set 1	£13.20
Ass Industrial Tools & Equipment	£4.00	Painted 6 Standing Figures set 2	£13.20
Platform Machines(tickets chocolate weighing scales)	£5.50	Painted 6 x Standing figures set 3	£13.20
Ind Machine. Mill & Pillar Drill	£5.95	Painted Punch & Judy Tent and Figures	£15.65
Ind Machine Lathe & vertical sander	£5.95	Painted 4 Sheep	£8.85
Ind Machine Fly Press & Pillar Tool Grinder	£5.15	Painted Shepherd, Sheepdog and 4 Ass Sheep	£10.75
2 Wheelchairs Patients and 2 pushing	£5.10		

Painted War Memorial	£5.95	Working Men 1 on Ladder & 1 on trestle	£4.30
Painted 2 Plain Horses (unharnessed)	£5.85	8 Pigs	£3.20
Painted Loco Crew	£3.90	8 Sheep	£3.20
Painted Swans & Ducks x 4 each	£6.30	10 Chickens	£3.20
Painted Washing Line & Figure	£6.95	2 Shire Horses	£2.65
Painted Wild Animals	£6.85	Pub/Cafe Scene	£5.55
Painted Assorted Seagulls x 8	£6.45	Funeral Scene	£4.10
Painted Dogs 6 off	£6.30	White Wedding Scene	£4.25
Painted 6 Pigs	£6.00	Cricket Game Figures	£5.95
Painted Sheep 8off	£6.40	Cricket Sight Screen and Scoreboard	£5.95
Painted Chickens 10 off	£6.40	2 Horse Plough and Ploughman	£4.60
Painted Funeral Scene	£9.15	15 ass Loco Lamps (square,round,guard)	£2.65
Painted Wedding Scene	£17.80	30 shell vents (extra detailing for coaches)	£2.65
Painted Cricket Game	£26.25	20 torpedo vents (extra detail for coaches)	£2.65
Painted Church Notice board & crucifix	£7.30	Ass Loco Vacuum Pipes	£2.65
Painted Lrg Wooden (Oak) Barrels x 4	£5.95	Childrens Playground & figures	£8.55
Painted Flower tubbs and water butt	£7.45	Church Lych Gate	£4.55
Painted Terracotta Chimneys (12x (3 types)	£4.95	Church Notice Board & Crucifix	£3.70
Painted Welding Figures & Equipment	£8.55	Forresters saw horse set and axe	£4.30
Painted 9 x Ass Standing Figures platform etc	£17.60	6 Large (50 gallon) Oak Barrels	£3.70
Painted 4 Pallets and pallet truck	£8.35	Water Butt and 5 Tubs	£3.70
		12 Wharfedale Bollards	£3.70
		Lifbelts & Stands	£3.70

**N SCALE KITS**  
 indoor Garage  
 Equipment £5.90,  
 Outside Garage  
 Pumps £7.35



**YouChoos**  
**DCC Sound**  
 LET'S MAKE SOME NOISE!



Are your speakers sounding a bit rough?  
 Time to try YouChoos!

0844 7725052  
 www.YouChoos.co.uk john@youchoos.co.uk

# SPRING Toy Fairs



**Products at Prices Not to be Missed!**

**Saturday 30th April 2016**  
 10.00am to 4.00pm at **Locomotion**,  
 The National Railways Museum, Shildon  
 Locomotion, Shildon DL4 1PQ  
 Nearest Railways Station – Shildon 100 yds. On Arriva Bus Routes

**Café** **Disable Access** **Free Entry and Free Parking**  
**Diecast** **Model Railways** **Collectables**

**For event and trading information**  
 Contact: Stuart 01535 642367 or Laurence 07966 333605  
 Promoted by Tri-angman and Pennine Models on behalf of Locomotion

**N Gauge Coach Lights Now Available!**

## Easy-Fit Sound & Lighting

Add real sound & lighting to your layout!

**Fit real sound in your train - only £40!**  
 Tiny motion controlled sound capsule and battery - no wiring

**Steam Diesel DMU!**

**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

**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 & 00 - from under £20 complete**

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](http://www.Train-Tech.com)  
 £4 UK P&P - this month quote HBY0416 for £2 off postage!

# 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)

# 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.galactic-models.co.uk](http://www.galactic-models.co.uk)

## SALE SALE SALE SALE SALE SALE SALE SALE

HORNBY:	BACHMANN:
R2844 30934 BR Early .....£91.00	31-167DC 50795 Black (W) ..£84.00
R3098 60163 BR Green .....£94.00	31-325DC Cl.105 Blue.....£85.50
HELJAN:	FARISH:
1600 D8400 BR Green.....£105.00	31-933 41157 BR Late .....£102.50
2301 D5903 Green Full Yel ...£90.00	32-285 Cl.101 Grn Whisk.....£120.00
2302 D5908 Green Full Yel ...£90.00	32-286 Cl.101 BR Gn SYP.....£120.00
2309 D5905 BR Grn SY(W)...£102.50	371-393 66301 Fastline.....£66.00
2311 D5906 BR Green.....£93.50	372-726 73158 BR Late.....£94.00
2322 D5905 BR Green.....£101.00	All subject to availability
2323 D5909 Green (W).....£109.00	UK P & P from £4.10 per order
2724 D5353 BR Green.....£78.00	

We also stock OO & N gauge from Bachmann, Base Toys, Britbus, Classix, Dapol, Dornaplas, EFE, Farish, Gaugemaster, Heljan, Hornby, Humbrol, Kestrel, Metcalfe, Modelsene, 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 (Not Dec) & Bank Hols  
 Church Street Models, 10A, Church Street, Basingstoke, Hants, RG21 7QE  
 01256 358060 • Mail Order Welcome

## SALE DAY

Saturday April 2nd

# 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

# BURE VALLEY MODELS

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

Bachmann OO Locomotives	Hornby OO Locomotives
35-075 E4 0-6-2 Tank LBSC Marsh Umber.....£93.46	R3073 LNER A1 Royal Lancer.....£120.00
35-076 E4 0-6-2 Tank Southern Green 473 .....£93.46	R3233 D16/3 4-4-0 LNER Black 8825.....£95.00
35-077 E4 0-6-2 Tank BR Black Early 32556.....£93.46	R3234 D16/3 BR Black Early 62530.....£95.00
35-078 E4 0-6-2 Tank BR Black Late 32500.....£93.46	R3235 D16/3 E2524 British Railways.....£95.00
31-138 D11/2 Haystoun of Bucklaw.....£94.00	R3303 D16/3 BR Early 62581 Weathered.....£95.00
31-931 Midland Compound LMS Black 1189.....£99.99	R3243B BR K1 Late Crest 62064.....£110.50
31-980 BR 3MT Tank 82020 BR Green Weathered...£72.21	R3242A BR K1 Early Crest 62032.....£110.50
31-881 4F 43875 BR Black Early.....£76.46	R3310 BR West Country 34006 BR Green Late...£120.00
32-370 Class 37 DRS Compass 37 405.....£101.96	R3324 LNER J50 Black No. 635.....£68.00
32-285 Class 101 DMU Green Speed Whiskers...£118.00	R3325 BR J50 BR Black Early 68987.....£68.00
32-286 Class 101 DMU Green yellow panel.....£118.00	R3326 BR J50 BR Black Late 68971.....£68.00
32-287 Class 101 DMU Blue & Grey.....£118.00	R3380 LNER J15 Black 7510.....£95.00
32-381M Class 37 DRS Compass 37 402.....£119.99	R3381 BR J15 BR Black Early 65475.....£95.00

Shop open 7 days a week 9am to 5pm  
 Aylsham Station, Norwich Road, Aylsham, Norfolk, NR11 6BW  
 Tel 01263 733858 E-Mail [shop@bvrv.co.uk](mailto:shop@bvrv.co.uk)  
 Postage £5.00 per order to UK destinations

# 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)

BACHMANN \* HORNBY \* FARISH \* PECO \* RATIO \* WILLS \* METCALFE \* ASPIRE GIFTS & MODELS

# 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.  
 THOSAND'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](mailto:edward.aspire@btinternet.com)  
 Website: [www.aspiregiftsandmodels.co.uk](http://www.aspiregiftsandmodels.co.uk)

WOODLAND SCENICS \* KNIGHTWING \* SUPERQUICK \* WILLS \* BASE

# 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)

## 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

01223 864029

[www.model-railway-baseboards.co.uk](http://www.model-railway-baseboards.co.uk)

## OSBORN'S MODELS

DOING 'N' SCALE on a BIG SCALE



Tetbury Goods Shed

7 HONESTONE ST, BIDEFORD, N.DEVON, EX39 2DL 01237 423453

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

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

Busch Foliage Sheet – for thick ground cover



Micro Flock sheets 150 x 250mm  
Just £2.99 each!

7341 Light Green  
7342 Mid Green  
7343 Dark Green

Use for ground cover, climbers and Ivy effects.

Mixed colour sheets £3.99 each

7345 Mixed Greens  
7346 Autumn Brown  
7347 Mixed Brown

GVH, Unit 1, Pontrilas Business Park, Pontrilas, Hereford, HR2 0AZ  
P&P £3.99 per order

See our website for existing stockists and our full range. Trade Enquiries welcome.  
01981 241 237

## MonkBar Model Shop

### OO & N Gauge Model Railways

Diecast Planes & Vehicles - Plastic Kits & Figures - Scalextric - Jigsaws

Open Monday - Saturday  
9am - 5.30pm

Only 2 minutes away from York Minster

2 Goodramgate  
York - YO1 7LQ  
01904 659423  
info@monkbarmodelshop.co.uk

Stockists of Hornby, Bachmann, Graham Farish, Peco, Dapol, Gaugemaster, Ratio, Wills, Woodland Scenics, Metcalfe, Oxford Diecasts, Base Toys and many more

Shop online with us. New website now live!

[monkbarmodelshop.co.uk](http://monkbarmodelshop.co.uk)

## Realistic GHOST SIGNS

in miniature for your MODEL RAILWAY

NEW! NOW AVAILABLE AS WATER-SLIDE TRANSFERS

[GHOST-SIGNS.COM](http://GHOST-SIGNS.COM)

NOT ONLINE? CALL 07970 977 628 FOR AN ILLUSTRATED PRICE LIST

## Model Scenery Supplies

An internet based shop supplying hundreds of items you need to build realistic terrains and landscapes. With fast, reasonably priced postage.

Take a look at our new and improved website.  
Loaded with lots of new and exciting products!

[www.modelscenerysupplies.co.uk](http://www.modelscenerysupplies.co.uk)



NEW OO & O PLANTS & FLOWERS NEW

15 North Norfolk Business Centre, Northrepps, Cromer, Norfolk NR27 9RQ

[www.gascupboard.co.uk](http://www.gascupboard.co.uk)

## MODEL RAILWAYS

GAS CUPBOARD MODELS

01225 777888

If there's something wrong, and you need some help..

Who you gonna call..?

Gas Cupboard Models  
6 St Georges Works, Silver Street, TROWBRIDGE. BA14 8AA

BEYOND  
Retailer of the year



## 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)



# THE DORSET MODEL RAILWAY EXHIBITION

# 2016

QUEEN ELIZABETH SCHOOL, BLANDFORD ROAD,  
WIMBORNE, DORSET BH21 4DT

ADMISSION: • Adults: £6 • Children: FREE

**Saturday 19th March 10.00am to 4.30pm**

**Sunday 20th March 10.00am to 4.00pm**

• 25+ layouts with full trade support • Free Parking

For details contact Ray Heard on 01823 480097 or email rayheard66@btinternet.com

## WHEN IT'S SPRING AGAIN...



Discover our range of N gauge building kits, trams and accessories

from just £2.49  
(+ £1.70 P&P)

For more details please contact

## STREET LEVEL MODELS

Chiltern End, Fen Lane, Hitcham, Suffolk, IP7 7NL

or visit our website: [cddesign.webplus.net](http://cddesign.webplus.net)

## Pooleys Puffers

Model Railway Supplies, New & Second Hand Bought & Sold



Partnership: David & Anne Poole Diecast Models Kits & Accessories

Tele: 0191 4910202/4106386 Mobile: 07976 519178  
[www.pooleypuffers.com](http://www.pooleypuffers.com) e-mail: [pooleypuffers@btopenworld.com](mailto:pooleypuffers@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

Visit → [Scalescenes.com](http://Scalescenes.com)

The home of quality downloadable card model railway kits since 2005

Download → Print → Build

### ALL NEW Terraced Houses

Versatile and highly detailed  
ONLY £4.99

Card kits that pass closer inspection

Additional wall finishes

Wide range of doors

Optional bay windows

Buy once unlimited prints

View our large range of N and OO kits and texture sheets

scale scenes .com



## 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'/'HO' 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 Infill 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, Froxfield Green, Nr. Petersfield Hants. GU32 1DJ  
Tel. 01730 266151 Fax. 01730 265866 Email. [sales@parkwood-arts.co.uk](mailto:sales@parkwood-arts.co.uk)

**NEW!**

## Telecommunications Mast

OO / 4MM

- ★ Easy To Assemble Laser Cut Kit
- ★ Stands 297mm Tall
- ★ Supplied Unpainted
- ★ Includes Equipment Cabin
- ★ Sturdy Laserboard Construction
- ★ Step-by-step Instructions

**LX057-OO Laser Cut Kit - Only £6.49!**

**scalemodelscenery**  
Tel: 01530 456952  
.co.uk

## MORRIS MODELS

NORTH LANCING

80 Manor Road, N Lancing,  
West Sussex, BN15 0HD  
Tel 01903 754850

[www.morrismodels.co.uk](http://www.morrismodels.co.uk)  
[info@morrismodels.co.uk](mailto:info@morrismodels.co.uk)

We are between Brighton & Worthing, just off A27 west of Shoreham Airport

### BRITISH RAILWAYS



PLUS MANY OTHER RANGES OF SCENIC MATERIALS, BUILDINGS, VEHICLES etc

### 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

### CONTINENTAL RAILWAYS



Earlestown has deep roots 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

 **Trains4U.com**  
 01733 895989 Trains4U@btconnect.com

**Peterborough's Model Railway and Slot Car Specialists**

**HORNBY** **DELUXE MATERIALS** **HELJAN** **GRAHAM FARISH** **DAPOL** **PECO**  
by BACHMANN

**SPECTRE** **TRAXX** **SCALEXTRIC**

**Revell** **ESU** **WILLS KITS**  
**AIRFIX** **TAMIYA** **TCS** **RATIO**

27 St. David's Square, Fengate,  
 Peterborough PE1 5QA  
 Open Tue-Sat 9.00-17.00, Sun 10.30-15.30

[www.yorkmodelmaking.co.uk](http://www.yorkmodelmaking.co.uk) 01904 400358

Bespoke laser cutting for scratch builders  
 Precision laser cutting in plastic, timber, card and acrylic  
 Creating achievable perfection for **your** models

Plus online shop for architectural detailing, buildings & tools

Alternatively send a large SAE for 0, 00 or N scale price lists to York Modelmaking, Unit 13, Bull Centre Stockton-on-Forest, York, YO32 9LE




LNER Box - Top / Hammond

**TRAIN TIMES**  
 The Eastbourne Models and Collector's Centre

Eastbourne's longest serving model shop is now **OPEN** again.

Stocking lines from Airfix, Bachmann, Deluxe Materials, Gaugemaster, Hornby, Humbrol, Tamiya Oxford Diecast, PECO and more.



find us online at 37 seaside, Eastbourne, BN22 7NB  
[www.traintimesmodelshop.co.uk](http://www.traintimesmodelshop.co.uk)  
 (01323) 722026 - [traintimestoo@gmail.com](mailto:traintimestoo@gmail.com)  
 Open 9am-5pm Tuesday to Saturday, open late on Friday (7pm)

**www.wicormodels.com**

7 West Street, Portchester, Hampshire PO16 9XB  
 Tel: 023 9235 1160  
 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.

**NEW OPENING TIMES** Tues to Sat 09:00 to 17:00  
 CLOSED Sun & Mon

*We support www.trolley.org*

**THE HOBBY SHOP** Est. 1988  
 Tel: 01795 531666  
[www.hobb-e-mail.com](http://www.hobb-e-mail.com)

122 WEST ST Faversham, Kent, ME13 7JB SMS Text no. 07889 818727



**EXCLUSIVE - Dapol OO CI.73/1 in stock NOW**

BACHMANN, BREKINA, BUSCH, DAPOL, FLEISCHMANN, HELJAN, HERPA, HORNBY, IWATA, METCALFE, PECO, PREISER, RATIO, REALTRACK, ROCO, SUNDEALA and much more

**www.wicknessmodels.co.uk**

**DCC Sound & Equipment**

**SOUNDSCAPE**

Wickness Models  

V4 MICRO XL

**TEN COMMANDMENTS**  
 20 Struan Drive, Inverkeithing, Fife KY11 1AR • Tel: -01383 410032  
 Email: [tencommandments@btinternet.com](mailto:tencommandments@btinternet.com)  
 Visit our website: [www.cast-in-stone.co.uk](http://www.cast-in-stone.co.uk) for further info and online shop

**BRICK INDUSTRIAL RANGE - OO & N GAUGES**  
 STONECAST PLASTER, SIMPLE MODULAR SYSTEM ALLOWS EASY CONSTRUCTION OF LOW RELIEF FACTORY / MILL / WAREHOUSE STYLE BUILDINGS. LARGE CHOICE OF PARTS TO ALLOW INDIVIDUALISATION TO SUIT THE SPACE AVAILABLE. SEE OUR WEBSITE FOR PRICES AND FURTHER INFORMATION.

	OO	N
BRICK OFFICE SET 2 STOREY	15.00	..10.00
BRICK OFFICE SET 4 STOREY	30.00	..20.00
RAILWAY WORKSHOPS SET	30.00	..20.00
BRICK STARTER SET w/SIGNAGE	25.00	..16.00

**OO GAUGE -W WALLING AND FENCING**

L19 STONE RETAINING WALL ( illustrated )	12.95
80mm high x 450mm long approx. Stonecast. Painting required.	
L62 DRY STONE WALLING ( illustrated )	6.00
3 x 150mm sections. Stonecast plaster. Painting required.	
L92 CHAINLINK SECURITY FENCING ( illustrated )	12.00
Whitemetal posts with mesh. Approx 1m per pack.	
L143 WIRE & POST LINSIDE FENCING	3.50
Whitemetal posts with 'wire. Approx 90cm per pack.	

**Vintage Transport in Miniature**  
 17 Wycombe Street, Darlington DL3 7DA  
 Tel: 07946 499237

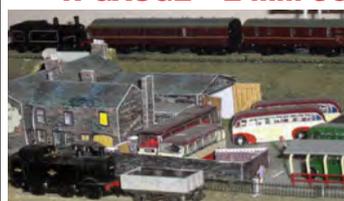
**N GAUGE • 2 mm SCALE • 1:144 SCALE**

- Buildings & Scenics
- Civil & Private Aircraft
- Ships & River Craft
- Road Vehicles
- Laser cut Models
- 3D RPD Models

*It's not just trains that brings a model to life*

Model Transport Diorama Makers and Diorama Component and Scenic Accessory Suppliers and Designers for modellers in N Gauge, 2 mm Scale, and 1:144 Scale.

[www.vintageminiaturemodels.co.uk](http://www.vintageminiaturemodels.co.uk)  
 email [graham.a.eason@gmail.com](mailto:graham.a.eason@gmail.com)



## 3D PRINTING

I can make you any plastic shape as a model you can hold in your hand from your own design at a low price. see my 3-D printer working on my website :-  
[www.Chelmsford3dprinting.co.uk](http://www.Chelmsford3dprinting.co.uk)  
 phone Ray 01245 466023

## BOOKS

**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

## DISPLAY / LAYOUTS

**BOXFILE DIORAMAS**  
 Tel: 01689 855074 Mob: 07956 086767 E-mail: [chrisue@btinternet.com](mailto:chrisue@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)

## ACCESSORIES

**P & D Marsh**  
 Whitemetal kits, hand painted models and laser cut wooden structures in N and 00. Painted signals available in N and 00. Free price list available.  
 The Stables, Wakes End Farm, MK17 9FB  
 Tel: 01525 280068  
[www.pdmarshmodels.com](http://www.pdmarshmodels.com)

## COLLECTORS FAIRS

**CHESTER TOYFAIR (NEW VENUE)**, The Cheshire County Sports Club, Plas Newton Lane, Upton, Chester, CH2 1PR. Saturday 2nd April 10.30am-2.30pm, £2.00 entry, Tony Oakes Fairs 01270 652773  
**DROITWICH LEISURE CENTRE**, Briar Mill, Droitwich Worcester-shire WR12 0RZ Sunday 10th April 10.30am-2.30pm Adults £2.00. Tony Oakes Fairs 01270 652773

## KITS & COMPONENTS

**Wizard Models**  
  
 Over 2,200 kits and parts mainly in 4 & 7mm scales covering: semaphore signalling; Sprat & Winkle and D.G. autocouplings; 51L and Comet locomotive, carriage and wagon kits and components.  
 Order on line at [www.wizardmodels.co.uk](http://www.wizardmodels.co.uk)  
 UK P&P: £3.90 per order, overseas at cost, price list 5x1st class stamps.  
 24hr Phone 01652 635885 Mobile 0778 894 0312  
 Wizard Models, PO Box 70, Barton upon Humber DN18 5XY

**What's your problem?**  
 Battery power by **Protocab** eliminates pick-up problems, No more dirty track to clean. Over 4hrs running time. No track wiring on new layouts. No short circuits. May be used on existing layouts alongside DCC.,  
 Further details at...  
[www.emardee.org.uk](http://www.emardee.org.uk)

**KIDDERMINSTER TOYFAIR**, Gilt Edge Leisure Centre, Zortech Avenue, Kidderminster. DY11 7DY (off A451). Sunday 17th April 10.30am-2.00pm, £1.50 entry, Tony Oakes Fairs 01270 652773

**EXTREME ETCHINGS**  
 2 Upper Dunstead Road Langley Mill Nottingham NG16 4GR  
 email: [brian@shawplan.com](mailto:brian@shawplan.com)  
 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)

## MODEL RAILWAY SHOPS

**THE HOBBY GOBLIN**  
**STOKE-ON-TRENT**  
 54 Hamil Road, Burslem ST6 1AU  
 Bachmann, Farish, Scenecraft, Woodland Scenics, Hornby, PECO, Dapol, Gaugemaster, Lenz, Metcalfe and much more!  
 T: 01782 818433  
 e: [thehobbygoblin-uk@hotmail.com](mailto:thehobbygoblin-uk@hotmail.com)  
[www.thehobbygoblin.co.uk](http://www.thehobbygoblin.co.uk)

**Your master piece in the making!**  
 Amazing items at amazing prices  
 See our website for the full range or call us today  
**Peedie Models**  
 Resin and brass etch kits  
[www.peediemodels.com](http://www.peediemodels.com)  
 tel: 01856 252510

## DISPLAY / LAYOUTS

**Platform 3 Models**  
 Layouts designed and built From N to Garden railways based in the south west  
 All loco Servicing & Repairs and DCC decoder installation for N & OO  
 Contact Tom Hussey Tel: 07811903231  
 Email: [platform3models@hotmail.co.uk](mailto:platform3models@hotmail.co.uk)  
 Web: [platform3models.co.uk](http://platform3models.co.uk)

**BRANCHLINES**  
 Mashima, Hanazono, Canon motors. Gears, gearboxes, bearings, drive shafts, wheels, crankpins, etc. Black Beetle, Tenshodo 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

**JACKSONS MODELS**  
 33 NEW STREET, WIGTON, CA7 9AL  
 Tel: 01697 342 557  
[www.jacksonsmodels.co.uk](http://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

## BOOKS

**Dereks Transport Books**  
[www.derekstransportbooks.com](http://www.derekstransportbooks.com)  
[dereksbooks@btinternet.com](mailto:dereksbooks@btinternet.com)  
 All transport subjects covered  
 Established 1995 Ringwood

## IMAGES

**Colour-Rail**  
  
 60,000 images – modern traction, steam, stations, buses and much more.  
 NEW- High res scans for modellers  
 All at [www.colour-rail.com](http://www.colour-rail.com)  
 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

**LINDA TINKER**  
 RAILWAY BOOKS  
 PRE-OWNED AND HARD TO FIND RAILWAY BOOKS  
 Free UK Postage  
[www.lindatinkerrailwaybooks.co.uk](http://www.lindatinkerrailwaybooks.co.uk)  
 01335 330965

**- 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

**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)

**Rail-Books.co.uk**  
 Railway book specialist covering UK and overseas prototypes, also modelling, bus, tram and shipping books. Many books post free  
 Visit [www.rail-books.co.uk](http://www.rail-books.co.uk) for more details and secure on-line ordering.  
 Tel: 01293 406137

**MAY ISSUE**  
 COPY DEADLINE: 24th March  
 ON SALE: 14th April

## MODEL RAILWAY SHOPS

**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](http://www.addlestone-models.co.uk)  
 01932 845440

**Haslington Models**  
 134 Crewe Road Haslington CW11 5RQ  
 Tel/Fax 01270 589079  
 Appointed Stockist of  
 Hornby, Bachmann, Farish, Dapol, Vi-Trains, Peco, Gaugemaster, Heljan, Metcalf, Ration, Wills etc  
 Thursday/Friday/Saturday only  
 10.00 until 16.00

**MODEL RAILWAY SHOPS**

**RMH** Redcar Models & Hobbies,  
130 High Street,  
Redcar, Cleveland

Stocking a wide range of 'OO'  
railways by Bachmann, Hornby,  
Peco and Gaugemaster

Tel: 01642 494 912  
sales@redcarmodels.co.uk

**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

**Millennium Models**

Hornby Bachmann Peco Gaugemaster  
New and Second Hand Stock  
Javis Dapol Metcalfe Corgi Oxford

67 Queen Street, Morley, Leeds  
LS27 8EB Tel: 0113 2189 286

**MODEL JUNCTION**  
The Best Model Shop In Suffolk

Peco  
Hornby  
Bachmann  
Gaugemaster  
Metcalfe Models  
And So Much More

Whiting St. Bury St. Edmunds IP33 1NX  
www.modeljunction.com  
Open Mon - Sat 9.00 - 5.00 **01284 753456**

**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: Tue to Sat 10-5.  
10-12 Alder Hills, Poole, Dorset BH12 4AL

Tel: 01202 798068 or shop online at: www.platformmodelsltd.co.uk

**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 Tue/Sat 9.30-5.00pm  
Now taking orders for 2016 Models

Another Delightful Model At

**C&M Models**

N GAUGE SCOTRAIL 'SALTIRE'  
156 EXCLUSIVE TO C&M MODELS  
NOW AVAILABLE

£114.95 (plus £4.00 p&p)

1 Crosby Street, Carlisle CA1 1DQ  
Tel: 01228 514689  
e-mail: sales@candmmodels.co.uk  
Website: www.candmmodels.co.uk  
Tuesday to Saturday: 10a.m. to 5p.m.  
Sorry, but Fay is no longer available

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.udiw.com

**HORNBY - PECO - BACHMANN - FARISH  
GORGI - OXFORD - EFE - AIRFIX etc**

NEW & SECONDHAND  
RAILWAYS & DIECAST  
WARHAMMER

**MANKIN MODELS**

213 Shrub End Road, Colchester, Essex CO3 4RN  
Tel: 01206 574929

Sorry no lists **AMPLE PARKING**

**EDDIE STOBART LTD**  
EXPRESS ROAD HAULAGE SPECIALIST

www.BestsModeller.co.uk  
0781 4751547

We at BESTSMODELLER sell all  
Die-Cast Models, Hornby, Lima,  
Bachmann Railways, Eddie Stobart  
products, Corgi Buses and have many  
other products to sell. You can also  
purchase online at our website.

**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

**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

**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

**CRAFTY HOBBIES**

Visiting the south lakes?

Hornby, Bachmann, Dapol,  
Farish, Peco, Gaugemaster  
Woodland Scenics  
New and used items  
Large range of N Gauge

DAPOL Gold Stockist

Open 9.30am—5pm  
Mon, Tue, Wed, Fri and Sat.  
Closed Thursdays and Sundays

54 Cavendish Street, Barrow in Furness,  
Cumbria LA14 1PZ  
Tel: 01229 820759

To advertise on these  
pages please call

**ELIZABETH  
RIDGE**

on

**01780 755131**

**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

Maestro Tel: 01933 355531  
Mobile: 07969 535 699  
PayPal (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)

Exhibitions - Alexandra Palace March 19th & 20th - Bristol April 29th, 30th & May 1st

**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** **GRAHAM FARISH by BACHMANN** **PECO** **FLEISCHMANN Die Modellbahn der Profis** **Roco**

## MODEL RAILWAY SHOPS

**RON LINES**  
MODEL RAILWAYS BOUGHT AND SOLD

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 Kadee 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 3HU

**hpi-racing** **GORGLA** **HORNBY**  
MON-SAT 9.00 - 5.30

**OptiFUE** **SCALEXTRIC**  
OPEN SUNDAYS 10.00 - 2.00

**Humbro** **PECO** **DAPOL**

**THE MODEL SHOP**

117 New Road, Portsmouth PO2 7QS  
Tel No. 023 9265 3100  
Email. modelshop117@gmail.com

**Family Run Business**  
**AGR MODEL RAILWAY STORE**  
EST 2014

Mon - Fri 9am-5pm  
Saturday 9am - 4pm

AGR Model Railway Store  
9 High Street Mews  
28 High Street  
Leighton Buzzard  
Bedfordshire  
LU7 1EA

01525 854788 -- www.agrmodelrailwaystore.co.uk -- sales@agrmodelrailwaystore.co.uk

**Buying Pre-owned Collections, Un-wanted Models**

NOW STOCKING A WIDE SELECTION OF PRE-OWNED MODEL & NEW RAILWAY COLLECTIONS ONLINE & INSTORE

Competitive prices by shopping on our website  
www.agrmodelrailwaystore.co.uk

Send us a list or bring items in store & we will give you a FREE valuation!

Like us on facebook

Email us your details - we shall respond 7 days a week.

Visit our eBay shop agrmodelrailwaystore

PHOENIX PRECISION  
PRECISION PAINTS & CHERRY PAINTS  
The Original and still the best

**CHURCHWARD MODELS**  
**DMR Products**  
Etched Brass Steam Locomotive Kits and Fittings  
Steam Locomotive Name and Number Plates  
& Kits and bits from  
**No Nonsense Kits**

www.phoenix-paints.co.uk sales@phoenix-paints.co.uk  
01268 730549

**TRIDENT TRAINS**

www.tridenttrains.co.uk  
01270 842 400

We stock  
HORNBY-BACHMANN-GRAHAM FARISH-DAPOL OO & N  
PECO-RATIO-WILLS-RAILMATCH-PAINTS-HUMBRO  
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, Walsgherton, Nantwich,  
Cheshire, CW5 7LG

## MODEL KITS & DIECAST

**Custom Locos, Ltd Edn Wagons**  
**New Hornby, used makes**

W: carriageandwagonmodels.co.uk  
E: carriagegw@yahoo.co.uk  
T: 01233 633295 M: 07757 342525

## ONLINE MODEL SHOP

**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, Hockley, Essex, SS5 4UY  
Tel 01702 200036 e-mail sales@blackwells-miniatures.com  
www.blackwells-miniatures.com

## MODEL RAILWAY OUTLET

**LORD AND BUTLER**

Exclusive Bachmann Limited Edition 66050 EWS Energy £129.95

**NOW STOCK**

The Pumping Station Penarth Rd Cardiff CF11 8TT  
029 2066 7225 Info@lordandbutler.com

Daily 10.00 - 5.30  
Sunday 2.00 - 5.30

NEW LARGER SHOP OPEN NOW  
CAFETERIA ON SITE AND FREE PARKING

MasterCard www.lordandbutler.com VISA

## PAINTS

**PHOENIX PRECISION**  
PRECISION PAINTS & CHERRY PAINTS  
The Original and still the best

**CHURCHWARD MODELS**  
**DMR Products**  
Etched Brass Steam Locomotive Kits and Fittings  
Steam Locomotive Name and Number Plates  
& Kits and bits from  
**No Nonsense Kits**

www.phoenix-paints.co.uk sales@phoenix-paints.co.uk  
01268 730549

## SIGNALS & LIGHTING

**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  
www.crsignals.com

CR Signals 'Birkby' 5 The Crescent,  
Doncaster Road, Rotherham S65 1NL

## REPAIRS & SERVICE

**Model Railway Doctor**  
Model Railway Repair Specialist  
Most Makes Undertaken  
DCC Specialist

Why not visit the website for more information  
www.modelrailwaydoctor.co.uk  
or tel: 020 8907 7662

## 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

## TOY & TRAIN FAIRS

**Southport**, Good Friday 25th March 2016  
10.30 - 3pm, Splash World, Dunes leisure centre, Esplanade, Southport PR8 1RX Up to 65 tables Admission Adults £2.00 Children 50p.  
Contact: Barry Stockton on 0151-334 3362

**Warrington** Sunday 3rd April 2016,  
10.30 - 3pm Warrington Collegiate Winwick Road, WA2 8QA Up to 65 tables.  
Admission adults £2.00 Children 50p.  
Contact: Barry Stockton on 0151-334 3362

**Chester Le Street** - Park view school North lodge DH3 4BB Sunday April 3rd 10am til 3pm Admission £2.50 OAP and Children £1.50 Early entry £5.00 (Near The Lambton worm pub, near Birtley Contact Jim Corr 07594035955 Email jim\_corr73@hotmail.co.uk Like us on Facebook Northerntoyfairs

## NAMEPLATES & ETCHING WANTED

Catalogue £1.00

**247 DEVELOPMENTS**

Name and number plate  
Design, Manufacture & Supply.

The big four, Pre-Grouping, British Railways  
Industrials, Fictitious, Irish, Headboards,  
Builders plates, Shed codes, Bespoke Names,  
Loco detailing and construction parts.  
Markits stockist. Romford wheels to order.

Seven Acres www.247developments.co.uk  
Meltham Rd info@247developments.co.uk  
Marsden  
West Yorkshire, HD7 6JZ 01484 840996

**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  
Tel: 07966 333605 Email: laurence@tri-angman.co.uk

**Ashfield Toy & Train Fair**, Festival Hall NG17 7DJ. Sunday 20th March 10am-2pm. Good access, refreshments, free parking,  
Contact Malc: 07951 072790

**Burton-Upon-Trent Toy & Train Fair, Town Hall**, DE14 2EB, Wednesday 23rd March 6.30pm-8.30pm. Always a good selection of rail and diecast. Contact Malc 07951 072790

**Alfreton Leisure Centre, Toy and Train Fair:** DE55 7BD Friday 15th April, 7pm -9pm, refreshments available. Perfect start to the weekend Contact Malc: 07951 072790

To advertise Contact: Elizabeth Ridge / Tom Lee Tel: 01780 755131

Email: elizabeth.ridge@keypublishing.com or tom.lee@keypublishing.com

Classifieds: Elizabeth Ridge Tel: 01780 755131

Email: elizabeth.ridge@keypublishing.com

## ADVERTISERS INDEX

4Track Models Ltd	130	Model Railway Solutions	147
		Model Railways Direct Ltd	48 / 49
A C Models	144	Model Scenery Supplies	147
Alton Model Centre	144	Monk Bar Model Shop	147
Anoraks Anonymous	88	Morris Models	148
Aspire Gifts & Models	146		
		Olivias Trains	141
Bachmann-Europe (W.Britain Ltd)	156	Osborn's Models	147
Bristol Model Railway Exhibition	90	Oxford Diecast	91
Bure Valley Railway	146		
		Parkwood Arts Ltd	148
C & L Finescale Modelling Ltd	130	Pennine Models	133 / 145
Church Street Models	146	Peters Spares Model Railways Ltd	133
		Pooleys Puffers	148
Dapol Ltd	155		
DCC Concepts Pty Ltd	2/3 & 89	Radley Models	136
DCC Supplies	130	Rails of Sheffield	117-119
Digitrains	13	Ray Heard	148
Durham Trains of Stanley	146	Ron Lines	152
		Roxley Models	144
Ellis Clark Trains	131		
EMA Model Supplies	146	Sankey Scenics	139
Epsom & Ewell Model Railway Club	130	Sawyer models	148
Express Models	146	Scale Model Scenery Ltd	148
		Scale Scenes	148
Flair Rail	146	South West Digital	141
Fox Transfers Limited	136	Special Auction Services	131
Frizinghall Models & Railways	141	Springside Models	141
		Squires Model and Craft Tools	153
Galactic Models	146	Street Level Models	148
Gas Cupboard Models	147		
Gaugemaster Controls Plc	14 / 15	Taunton Controls Ltd	144
Ghost-Signs.com	147	Ten Commandments	149
Gilbow Holdings Ltd	73	The Hobby Shop	149
Golden Valley Hobbies	147	The Junction Box	139
Graphic Air	139	The Lancashire & Yorkshire Railway Society	144
Grimy Times	139	The Model Railway Emporium	140
		Train Times Model Shop	149
Harburn Hobbies	143	Train-Tech	145
Hatton's Model Railways	120 - 129	Trains 4 U	149
Heathcote Electronics	136		
Hereford Model Centre	105	Vectis Auctions	143
Hornby Hobbies	72	Vintage Transport in Miniature	149
John Dufield	151	Warwick & Warwick	135
Just Tracks	136	Wickness Models	149
		Wicor Models	149
Kernow Model Rail Centre	60 / 61	York Model Rail Show	137
		York ModelMaking	149
Langley Models	145	YouChoos	145
Loco Boxes	147		
Locomotion	143	Zimo Elektronik	6
Metcalf Models & Toys Ltd	24 / 25		
Mike Pett	140		
Model Railway Baseboards	147		

# SQUIRES

## MODEL & CRAFT TOOLS

100 London Rd, Bognor Regis, West Sussex PO21 1DD

Tel: 01243 842424 Fax: 01243 842525

Email: sales@squirestools.com www.squirestools.com

**Mar 12/13 - HUNTINGDON** East Anglian Model Railway Exhibition, The Britten Arena, Wood Green Animal Charity Centre, Huntingdon, **PE29 2NH**. Sat 10 - 5, Sun 10 - 4. \*\*Plenty of FREE Parking\*\*

**Mar 12/13 NOTTINGHAM** - East Midlands Model Railway Exhibition, Harvey Hadden Sports Village, Wigman Rd, Bilborough, Nottingham NG8 4PB. Sat 9.30-5.30, Sun 10-5. \*\*Correcting Venue :-)\*\*

**Mar 12/13 - BASINGSTOKE** Model Railway Exhibition, Aldworth Science College, Western Way, Basingstoke, **RG22 6HA**. Sat 10-5, Sun 10 - 4.

**Mar 19 - ABINGDON** Model Railway Exhibition, White Horse Leisure & Tennis Centre, Audlett Drive, Abingdon, Oxon, **OX14 3PJ**. Sat 10-5pm. \*Note CHANGE OF DATE\*

**Mar 20 - STAFFORD** G Scale Society Show, Stafford County Showground, Weston Rd, Stafford, **ST18 0BD**. \*\*Plenty of FREE Parking.\*\* Sun 10-5. \* Features Normal Squires Stand for all Scales \*

**Mar 26 - 28 - YORK** Model Railway Show, The Knavesmire Stand, Racecourse Road York. **YO23 1EX**. Sat/Sun 10 - 5, Monday 10 - 4.30. \*\*\*Advance Tickets Now Available from Squires\*\* T & C's Apply\*\*\* Coming to York? Why not try Sunday?? or Monday??? The show is less busy - See more of the layouts and a lot easier to get to our stand!!! :-)

**April 2 - NORWICH** Model Railway Ex, Hellesdon High Sch, Norwich **NR6 5SB**. Sat 10-4.30pm.

**April 9/10 - HORSHAM** Crawley MRS Model Railway Exhibition, Tanbridge House Sch, Farthings Hill, Guildford Rd Horsham, **RH12 1SR**. Sat 10 - 5, Sun 10 - 4.30. \*PLENTRY OF FREE PARKING\*

**April 9/10 CORSHAM** Trainwest 2016 Model Railway Exhibition presented by Bentley M/Railway Group, Springfield Community Campus, Beechfield Rd, Corsham, Wilts SN13 9DN Sat/Sun 10 - 5 \*\*NEW Venue\*\*

**April 16 - NEWPORT** - NEWGOG South Wales Show 'O' Gauge Show, Lysaghts Institute Building, Orb Road, Newport, **NP19 0RA**. 10am - 4.30pm.

**April 23 LEIGH** O SCALE NORTHWEST Leigh Sports Vill, Sale Way, Leigh, Lancs **WN7 4JY**. 10-4.30.

**April 23/24 - SUTTON COLDFIELD** Model Railway Exhibition, Bishop Walsh School, Wylde Green Rd, Sutton Coldfield, **B76 1QT**. \*\*Plenty of FREE Parking.\*\* Sat 10 - 5, Sun 10 - 4.30.

**April 28/29/May 1 - The 48th Bristol Model Railway Exhibition**, The Thornbury Leisure Centre, Alveston Hill, Thornbury, Near Bristol, **BS35 3JB**. Fri 1 - 7pm, Sat 10 - 6.30, Sun 10 - 5.

**May 7 - READING** Association of Larger Scale Railway Modellers Trade Show and Exhibition, Rivermead Leisure Centre, Reading. **RG1 8EQ**. Sat 10 - 4.30

**May 14 - PORTSMOUTH** Victory M/Rail Ex, Ad Lord Nelson Sch, Dundas Lane, **P03 5XT**. Sat 10-4.

**May 21 BOGNOR REGIS** South Downs 7mm NGA Group SWING M/Railway Ex, Felpham Community College, Felpham Way, Bognor Regis, **PO22 8EL**. 10 - 4.30. www.swing.model-railway.org.uk

**May 21/22 - MIDDLESBOROUGH** Model Rail Exhibition, Settlement Community Centre, Union Street, Middlesbrough, **TS1 5NQ**. Sat/Sun 10 - 5.

**May 28/29 - GLASGOW** 'O' Gauge Model Railway Ex, Pollokshaws Burgh Hall, Pollokshaws Rd, Glasgow, **G43 1NE**. Sat 10 - 4, Sun 11 - 4. \*Free Parking -Close to Station -\*NOTE Change of Date\*

**June 4 - DONCASTER** Gauge 'O' Guild Summer Show, The Dome Leisure Centre, Doncaster Lakeside, Bawtry Rd, Doncaster, S/Yorks, **DN4 7PD**. Sat 10 - 4.00. \*\*NOTE - New Venue & New Date\*\*

**June 4/5 - SHILDON**, Model Railway Ex, Locomotion Museum, Shildon **DL4 1PQ** Sat/Sun 10-5pm.

**June 25/26 - PERTH** M/Rail Ex, Dewars Ice Rink, Perth, **PH2 0TH**. Sat 10-5.30, Sun 10-5

**July 2/3 - GUILDFORD** 49th Model Steam Rally & Exhibition, Guildford Model Engineering Society, Stoke Park, London Rd, Guildford Surrey, **GU1 1TU**. Sat 10-6, Sun 10-5.

**July 9 - HAILSHAM** Scale Model Show, The Civic Community Hall, Vicarage Ln, Hailsham, East Sussex, **BN27 2AX**. Sat 10-4. Inc Dolls Houses, M/Boats, M/Rlways, M/Planes & Scale Plastic Models

**Aug 6/7 - SOUTHWOLD** Waveney Valley Model Railway Exhibition, Saint Felix School Southwold. **IP18 6SD**. Sat 10 - 5pm Sun 10-4.30pm. \*\*Plenty of FREE Parking.\*\*

**Aug 13 - BEXHILL** Model Railway Exhibition, St. Richards Catholic College, Ashdown Rd, Bexhill-on-Sea, East Sussex, **TN40 1SE**. Sat 10 - 5

**Aug 13/14 - SKIPTON** Model Railway Exhibition, Skipton Academy (Formerly Aireville School) Gargrave Road, Skipton, **BD23 1UQ**. Sat 10 - 5, Sun 10 - 4. www.skiptonrailsoc.org.uk

**Sept 3/4 - TELFORD GUILDEX 2016**, O Gauge Ex & Trade Show, The Telford Ex Centre, St. Quentin Gate, Telford, **TF3 4JH**. Sat 10 - 5, Sun 10 - 4. Coming to Telford? - Why not try Sunday? - the show is less busy - see more of the layouts AND a lot easier to get to our stand!!!! :-)

**Sept 10/11 - SWINDON** Railway Festival STEAM Museum of the Great Western Railway, Fire Fly Ave, Swindon, **SN2 2EY**. Sat/Sun 10 - 5 Tel 01793 466646, steammuseum@swindon.gov.uk

**Sept 17/18 - AYR** Model Railway Exhibition The Citadel Leisure Centre, Ayr. **KA7 1JB**. \*Modern Venue with easy access & FREE car parking. \*\* Saturday 10 - 5 / Sunday 10 - 4

**Sept 24/25 - HALIFAX** M/Railway Ex, North Bridge Leisure Centre, Halifax, **HX1 1XH**. Sat/Sun 10-5.

**Oct 1/2 - PORTSMOUTH** Fareham & District Model Railway Exhibition, Fareham Leisure Centre, Park Lane, Fareham, Hampshire, **P016 7JU**. Sat 10-5.30, Sun 10.00-16.30. \*50th Anniversary\*

**Oct 8/9 - ALDERSHOT** Farnham Model Railway Club Exhibition, Connaught Leisure Centre, Tongham Rd, Aldershot, Hants. **GU12 4AS**. Sat 10 - 5, Sun 10 - 4.30

**Oct 15/16 - DUNDEE** M/Rail & Model Show Sports Centre, Mains Loan, Dundee, Angus **DD4 7AA**.

**Oct 15/16 - UCKFIELD** M/Rail Exhibition, Uckfield Civic Centre, Uckfield. **TN22 1AE**. Sat/Sun 10-5.

**Oct 29/30 - HAZEL GROVE STOCKPORT** Hazel Grove & District M/Rail Society Exhibition, Hazel Grove Rec. Centre, Jacksons Ln, Hazel Grove, Stockport, Cheshire, **SK7 5JX**. Sat 10-5, Sun 10-4. \*\*50th Anniversary - larger show with an extra hall - plenty of FREE parking\*\* - www.hgdms.org.uk

**Oct 29/30 - LEEDS** The Leeds Model Railway Society, Model Railway Exhibition, The Grammar Sch, Alwoodley Gates, Harrogate Rd, Leeds, **LS17 8GS**. Sat 10 - 5, Sun 10 - 4.30

**Oct 29/30 - ABERDEEN** M/Rail Exhibition RGU, Garthdee, Aberdeen, **AB10 7GE** Sat 10-6/Sun 10-4.

**Nov 5 - HIGH WYCOMBE** - WYCRAIL 16 Model Railway Exhibition, Cressex Community School, Cressex Rd, High Wycombe, Bucks **HP12 4UD**. Sat 10 - 5

**Nov 5 - ANGMERING** W.Sussex Area Group N Gauge Society Model Railway Ex, Angmering School, Greenwood Drive, Station Rd, Angmering, **BN16 4HH**. Sat 10 - 5 \*Short Walk Angmering Station\*

**Nov 12/13 - TELFORD** IPMS SCALE MODEL WORLD 2016 The Telford Exhibition Centre, St. Quentin Gate, Telford, **TF3 4JH**. Sat 10-6, Sun 10-4.00 Free Entry for IPMS Members.

**Nov 12/13 - SPALDING** Model Railway Exhibition, Springfields Event Centre, Camelgate, Spalding, **PE12 6ET**. Sat 10-5, Sunday 9.30 - 4.30.

**Nov 19/20 - WORKINGTON** Model Rail Show, University of Cumbria, Energen Building, Blackwood Rd, Lillyhall Estate, Workington, Cumbria, **CA14 4JW**. Sat 10 - 5, Sun 10 - 4.

**Nov 25/26 - BIRMINGHAM** - Warley National M/Rail Exhibition Hall 5, NEC Birmingham **B40 1NT**.

New Tools Shop Extension Opening Soon.

New Printed Mail Order Catalogue to be published soon - reserve your copy now.

Exhibition Invitations always welcomed.

# NEXT ISSUE

## DIGITAL SPECIAL!



### OULTON TMD

Digital control opened up endless possibilities for this busy main line and motive power depot scene – and saved greatly on wiring complexity too. Next issue Allan Cromarty reveals how this exhibition favourite has been built and developed – and reveals its potential for growth.

### ALBION YARD

Visual appeal and scene-setting were the priorities for Albion Yard. Paul Marshall-Potter reveals the story behind this attractive Western Region layout.



### SOUND DECODER GUIDE

● Digital sound is increasing in popularity all the time and new products keep on coming. Next issue we survey the market to provide a comprehensive guide to sound decoders and their potential.

### Digital control

In our digital control special our team will show you how to wire your layout for digital, how to build a control panel using new products from DCC Concepts, we share our top 50 DCC tips and explore the world of digital controllers.



THE NEXT ISSUE OF  
**HORNBY**  
magazine

is on sale April 14 2016

**DON'T MISS IT!**

**PLUS**

We'll be reviewing all the latest models, reporting the latest news, showcasing your layouts in Reader Projects, answering your questions in the Enquiry Office and taking you behind the scenes at the Hornby Magazine workshop to help 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

## March Releases

### N GAUGE

#### IOA



- 2F-045-005 - IOA Network Rail Ballast Wagon 3170 5992 028-4
- 2F-045-006 - IOA Network Rail Ballast Wagon 3170 5992 041-7
- 2F-045-007 - IOA Network Rail Ballast Wagon 3170 5992 065-6
- 2F-045-008 - IOA Network Rail Ballast Wagon 3170 5992 081-3

#### JNA



- 2F-010-005 - JNA Falcon Network Rail NLU29047
- 2F-010-006 - JNA Falcon Network Rail NLU29064
- 2F-010-007 - JNA Falcon Network Rail NLU29076
- 2F-010-008 - JNA Falcon Network Rail NLU29391
- 2F-010-009 - JNA Falcon Network Rail NLU29299 Weathered
- 2F-010-010 - JNA Falcon Network Rail NLU29348 Weathered

#### Also released this month include;

- 2F-031-010 - 6 Wheel Milk Tanker - IMS 29
- 2F-031-011 - 6 Wheel Milk Tanker - Unigate (Silver)
- 2F-031-012 - 6 Wheel Milk Tanker - Express Dairy 'E'
- 2F-031-013 - 6 Wheel Milk Tanker - United Dairies
- 2F-038-023 - 20T Steel Mineral - Cambrian Wagon Works
- 2F-038-024 - 20T Steel Mineral - Cambrian Wagon Works Weathered
- 2F-071-026 - 7 Plank - W D Naval Stores 334
- 2F-071-027 - 7 Plank - W D Naval Stores 334 Weathered

### O GAUGE

- 7F-071-027 - 7 Plank - Webb Bros Ltd
- 7F-071-027W - 7 Plank - Webb Bros Ltd Weathered

All product release dates correct at time of going to press

### OO GAUGE



- 4F-013-027 - Gunpowder Van - Spillers
- 4F-013-028 - Gunpowder Van - Spillers Weathered



- 4F-051-031 - 5 Plank - Tom Milner
- 4F-051-032 - 5 Plank - Tom Milner Weathered



- 4F-072-019 - 7 Plank 9FT W/B - Edward Russell 143
- 4F-072-020 - 7 Plank 9FT W/B - Edward Russell 143 Weathered

#### Also released this month include;

- 4F-045-005 - IOA Wagon 3170 5992 118-7
- 4F-045-006 - IOA Wagon 3170 5992 107-0
- 4F-045-007 - IOA Wagon 3170 5992 091-6
- 4F-045-008 - IOA Wagon 3170 5992 115-3
- 4F-031-033 - 6 Wheel Milk Tank - IMS 39
- 4F-031-034 - 6 Wheel Milk Tank - IMS 39 Weathered
- 4P-010-047 - 60FT Stanier Corridor Comp BR Carmine & Cream M3947M
- C105D - 60FT Stanier Corridor Comp BR Carmine & Cream M3947M

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  
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  
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  
SHEFFIELD: **Rails of Sheffield** tel:01142 551436  
STROUD: **ANTICS** tel:01453 825381  
SHEPTON MALLET: **East Somerset Models** tel:01749 880651  
WORCESTER: **DCC Supplies** tel:01905 621999  
YORK: **Monk Bar Model Shop** tel:01904 659423

# THE SHUNTERS

## Introducing the latest Graham Farish Diesel locomotives

The Class 04 Diesel Shunter makes a welcome return to the Graham Farish range of N scale models.

Three models are available:

- **371-050C** No. D2283 in BR Green with Wasp Stripes.
- **371-051C** No. D2295 in BR Blue with Wasp Stripes.
- **371-054** No. 2332 'Lloyd' in NCB Yellow.

Spanning a number of eras, these models would make great additions to your Graham Farish collection.

### FEATURES:

- All wheel pickup
- Compact drive mechanism
- Diecast bonnet to aid traction
- NEM couplings
- Detailed body including separate wire grab rails



*Back view of 371-051C D2295, BR Blue with Wasp Stripes*



*Highly detailed front end*



*Authentic professionally applied liveries*

