

**2 FREE
GIFTS THIS MONTH**

BRM + DVD + BUILDING KIT WORTH £12.49!

BRM

BRITISH RAILWAY MODELLING

JANUARY 2016 | £4.50

**EXCLUSIVE
FIRST
REVIEW**



**ON TEST: OXFORD RAIL
'ADAMS RADIAL' TANK**

CROWD PLEASERS

**FOUR GREAT LAYOUTS THAT DELIVER
ENTERTAINMENT, DETAIL & ACTION**

**NEW!
BRM
TRACKPLAN
ARCHIVE**

PRACTICAL BRM

- ▶ BUILD A SIMPLE STEAM LOCOMOTIVE KIT
- ▶ SET UP YOUR FIRST N GAUGE LAYOUT
- ▶ INSTALL WORKING TABLE LAMPS
- ▶ PROGRAM A DCC DECODER

PLUS: HELJAN CLASS 60 & BALLAST HOPPERS IN O ▶ FIT A POINT MOTOR

www.rmweb-buyandsell.co.uk



JANUARY 2016 | £4.50
9 770968 076201 >
DISPLAY UNTIL JANUARY 7TH 2016

We've got the Power

These N Scale Power Station model buildings are fully painted and decorated to be sited on your layout straight from the box.



42-198- Power Station Chimney
30 x 30 x 340 mm



42-298- Low Relief Boiler House
186 x 28 x 157 mm



42-197- Coal Distribution Building
91 x 55 x 88 mm



42-297- Low Relief Cooling Tower
105 x 210 x 280 mm



42-299- Low Relief Turbine Hall
230 x 45 x 107 mm



42-196- Rail Interchange Shed
135 x 73 x 43 mm



Exclusive
First
Editions

EXCLUSIVE FIRST EDITIONS

Exclusive
First
Editions

YOUR FIRST STOP FOR PRECISION 1:76 '00' SCALE DIE-CAST MODELS & ACCESSORIES

LONDON TRANSPORT



31515
RM ROUTEMASTER

LINCOLNSHIRE ROAD CAR



33802
BRISTOL RELH COACH

FIRST GREATER MANCHESTER



28608
GM STANDARD ATLANTEAN

SOUTHDOWN



12122
HARRINGTON CAVALIER

CITY OF MANCHESTER



16539
LEYLAND MCW ATLANTEAN

HANTS & DORSET



16230
BRISTOL LS COACH

SOUTHEND TRANSPORT



29807
WRIGHT DENNIS LANCE

SOUTHDOWN NBC



25212
BRISTOL RELL BUS

EAST KENT NBC



17312
LEYLAND NATIONAL MKI LONG

DEVON GENERAL



16538
LEYLAND MCW ATLANTEAN

RAIL EXPRESS PARCELS



22914
BEDFORD TK BOXVAN

LONDON COUNTRY



34113
AEC RT BUS

NORFOLK GREEN



24823
PLAXTON MINIBUS

COLCHESTER BOROUGH TRANSPORT



17707
LEYLAND NATIONAL MKII LONG

SWINDON THAMESDOWN



29013
GM STANDARD FLEETLINE

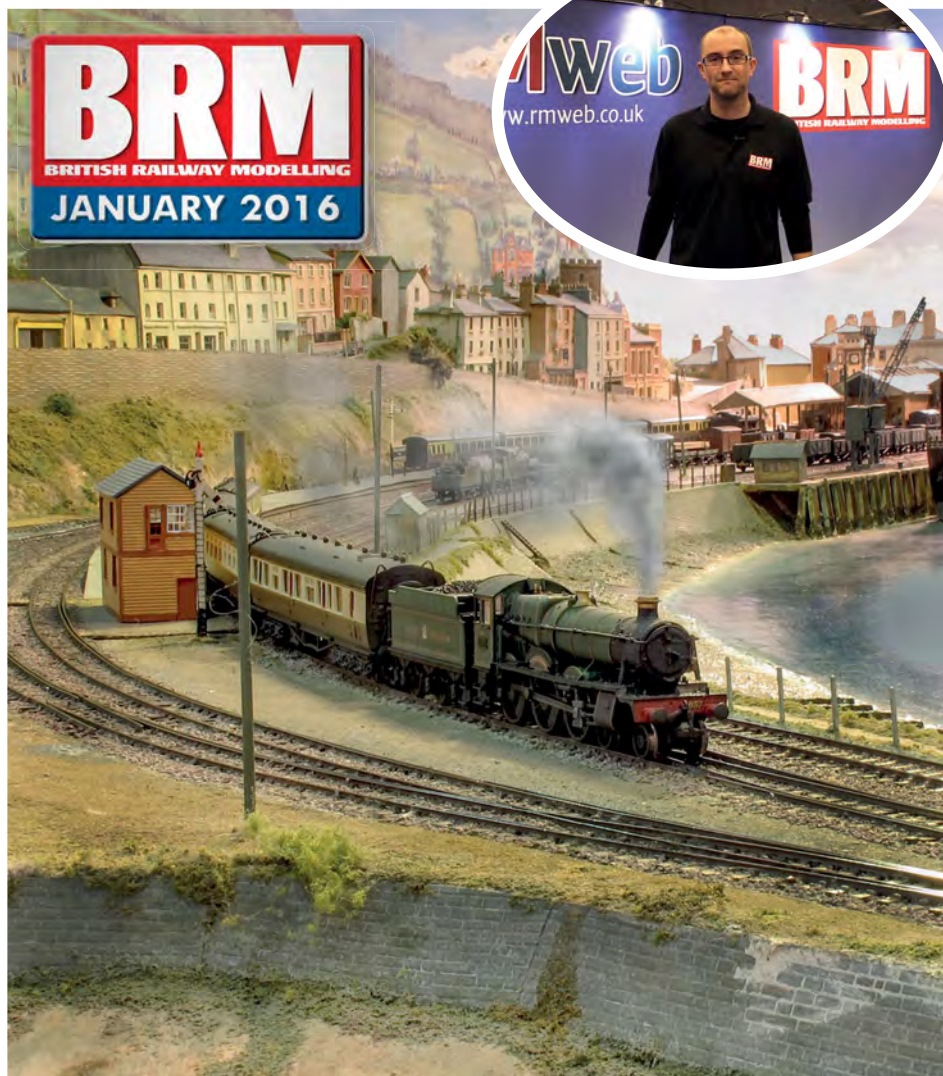
TO FIND EFE STOCKISTS OR TO BUY DIRECT STOP OFF AT

exclusivefirsteditions.com

BRM TV

WHAT'S ON THE DVD

In this episode, we look at our spectacular layout of the month 'Kingswear'. In the studio, **Phil Parker** guides you through building the first part of your free card kit and we check out a new compact rolling stock storage solution. Plus, we take a look at animated products for layouts.



BRM
LAYOUT OF THE MONTH



Mervyn Seal's 'Kingswear'

PRACTICAL
BRM



Phil Parker demonstrates card kit techniques

BRM
PRODUCT IN FOCUS



Andy York interviews Alan Pearson from Nelevation

PRACTICAL
BRM



Phil Parker shows animation products

**TELL US WHAT YOU
THINK OF THIS
MONTH'S DVD**

Visit our facebook page
and get involved in
the conversation.



WATCH THE VIDEO HERE

(You must have a wifi connection to stream video content)



PLAY



DOWNLOAD YOUR FREE KIT HERE



Cobalt Alpha

Never before in the history of the hobby has one small electronic device made such a difference...

Whether you choose to drive your trains with DC or DCC, the Cobalt α Alpha Digital Encoder will allow you access to the advantages of digital accessories and let you create control panels fast and with incredibly easy wiring.

Needing only the simplest of connections, the very clever Cobalt Alpha Digital Encoder is super-easy to install and it is extremely simple to connect too, as it needs no soldering. Set-up takes no time at all.

Each has 12 SPDT connection sets and can manage 12 x 2-way digital devices. It doesn't matter if your layout is big or small as you can use just 1... or you can inter-connect more than 100 if you need to!

Control becomes very versatile... and very simple!

Anything you connect is immediately turned into a digital control device. Anything! - Stud and Probe, A diode matrix, a simple push-button, a detector or any form of switch or automation trigger will work.

This clever new product simply converts all kinds of traditional switching methods to "digital input devices" and it lets you connect your control panel to your DC, DCC or ANY kind of layout...

With only TWO wires!



WELCOME



Welcome to the January 2016 edition of **BRM**. Despite the cover date, it's actually our final issue of 2015; a tremendously successful year for this magazine. The turn of the year is traditionally a time to take stock of the preceding 12 months, and to look forward to the New Year.

Hornby has been the biggest ongoing story with major changes in the way it operates and interacts with customers. It's caused a great deal of chatter, but whatever your thoughts on this, the company has delivered some excellent new products in 2015.

We're unlikely to get the traditional set-piece unveiling of next year's new range around Christmas but does that matter? Is the Hornby catalogue a highlight of your year, or do you prefer the new methods of engaging us online? Whatever your view, bank on Hornby to continue pursuing more direct routes to its customers.

Moving on to Bachmann, 2014's concerns about price increases persist, but the company reports that sales are up by around 20% year-on-year. Several superb new models have been added to the Graham Farish N gauge range, but things have been considerably quieter in OO.

That is perhaps the greatest worry for Bachmann in the short to medium term. There are dozens of items in the pipeline, but not much that appears to be close to release. What can we expect to see in 2016? Certainties, if anything can be regarded as such, are the Wickham Trolley, 14/20t tank wagon and LMS Stanier 'Mogul', a sample of which is reported to be imminent.

Over in Chirk, Dapol reports that it is getting a grip on development and production. With its OO Class 73s due soon and Class 68s not far behind, N gauge modellers will be hoping that models such as the 'Schools' 4-4-0, Class 33, 50 and 142 are being prioritised too.

Two suppliers released their debut models in 2015. Oxford Rail's 7-plank wagon is said to be selling well but its flagship Adams Radial didn't quite make the promised third-quarter release date. However, the first model is out now, as you can see on page 106. By the end of January we should also have seen a working sample of

Oxford's next locomotive project, which sources tell me is well advanced. Watch this space.

DJModels is still to release the first of its own models, but the signs look good for a spring release of the Hunslet 0-6-0ST (see page 104) and Class 71 to follow.

By the time you read this, further announcements will have been made at the Warley NEC show - my money is on Heljan to unveil another OO steam locomotive that continues a popular recent geographical trend. Next year should also be the year of the first British RTR narrow gauge locomotive as Heljan's Lynton & Barnstaple 2-6-2T rolls out.

A few more predictions for 2016; the growth of companies that provide 'added value' services will continue, certain marginal projects that have been announced in recent years and duplicated items will finally be 'killed off' as interest fades, O gauge will continue to grow as more RTR models at affordable prices arrive (see *Reviews*), Hornby will announce a model of the Hitachi Class 800/801, as the prototypes start to appear on test nationwide and Bachmann's announcements for 2016/17 are likely to be limited, as it works to deliver what is already promised.

I can also, with more certainty, predict that you'll see positive changes to **BRM**. Over the next four issues, we're introducing a new format, making the magazine easier to read, with greater clarity, less clutter and a more sophisticated look, but retaining all the same great articles that we know you like.

At the same time, we're also moving to a four-weekly schedule to give you an extra edition of the magazine and DVD each year, plus we're starting off the year with a free series of collectable card kits. Follow Phil Parker's guide to getting the best from them over the next four issues, both in print and on the DVD.

Finally, from all at **BRM** and **RMweb**, I'd like to wish you a happy and peaceful Christmas. Thanks for all your support this year and here's to an exciting 2016.

Ben

SEE
MUCH MORE
ON YOUR
FREE
'BRM TV'
DVD



BRM

British Railway Modelling

is published by Warners Group Publications plc

T 01778 392059 E BRM@warnersgroup.co.uk

EDITORIAL

MANAGING EDITOR

Ben Jones

E benj@warnersgroup.co.uk

FEATURES EDITOR

Howard Smith

E howards@warnersgroup.co.uk

FEATURES WRITER

Phil Parker

E phil@pagenumberone.co.uk

RMWEB EDITOR & BRM PHOTOGRAPHER

Andy York

E info@rmweb.co.uk

TRACKPLAN ILLUSTRATOR

Ian Wilson at Pacific Studio

E ian@pacificstudio.co.uk

ASSOCIATE PUBLISHER

Steve Cole

E stevec@warnersgroup.co.uk

PUBLISHER

John Greenwood

E john@g@warnersgroup.co.uk

ADVERTISING

GROUP ADVERTISING MANAGER

Bev Machin 01778 392055

E bevm@warnersgroup.co.uk

SALES EXECUTIVE

Emma Hill 01778 395002

E emma.h@warnersgroup.co.uk

DESIGN AND PRODUCTION

HEAD OF DESIGN

Lisa Watson-Bailey

E lisawb@warnersgroup.co.uk

SENIOR DESIGNER

Andy Fletcher

E andrewf@warnersgroup.co.uk

ADVERTISING DESIGNERS

Sarah Machin

E sarahm2@warnersgroup.co.uk

Amie Carter

E amiec@warnersgroup.co.uk

James Teather

E jamest@warnersgroup.co.uk

PRODUCTION

Pat Price 01778 391115

E patp@warnersgroup.co.uk

DISTRIBUTION

TRADE ACCOUNT SALES

Natalie Cole 01778 392404

E tradeaccountorders@warnersgroup.co.uk

UK/OVERSEAS NEWSTRADE SALES

Keiron Jefferies 01778 395043

E keironj@warnersgroup.co.uk

NEWSTRADE DISTRIBUTION

Tom Brown 01778 391135

ISSN 0968-0764

SUBSCRIPTIONS

T 01778 392002

PRINTING

Warners (Midlands) plc, The Maltings,
West Street, Bourne, Lincolnshire PE10 9PH



Ideas for future contributions should be sent in outline form to the Editor for consideration. Please clearly mark all material with your name and address, and include sufficient postage if you require material to be returned. Views expressed by contributors are not necessarily those of the Editor or Publisher. From time to time Warners lend reputable companies the names and addresses of readers who have responded to offers, services and competitions organised by BRM. If you do not wish to receive such mailings, please write to Warners Group Distribution, Dept WD, Manor Lane, Bourne, Lincolnshire PE10 9PH or call 01778 391153.



A74310
5ml 6pc Syringe Set.
Ideal for applying oils & adhesives accurately
£2.95



A74311
10ml 4pc Syringe Set.
Ideal for applying PVA wood glue or oils and greases accurately
£2.95



AB602 **£109.95**
Complete Airbrush and Compressor Deal



26211 **£27.95**
Expo Turntable Motorising Set



71250 **£11.95**
Rotating Self Healing Cutting Mat (300mm x 300mm)
Paints, Glues Etc not Included!



75090 **£8.95**
Expo Modellers Hand Drill with 3 Jaw Chuck



AB500 **£89.95**
Expo Portable Spray Booth



75589
Xuron Professional Photo-Etch Scissors
£26.95



25182 **£9.95**
HO/OO Gauge Fibre Optic Scale Yard Lamp.



25191 **£9.95**
O Gauge Fibre Optic Scale Gas Lamp.



75570 **£17.95**
Xuron Track Cutter



44010 **£2.75**
Milliput Standard, Yellow-Grey



11508 **£6.00**
8pc HSS Drill Set (Sizes 0.5 - 2.00mm)



11516 **£9.00**
16pc HSS Twist Drill Set (Sizes 0.5 - 2mm)



71530 **£4.95**
Bending & Shaping Tool



44500 **£4.95**
Paint Remover. Safely removes most paints from most plastics!



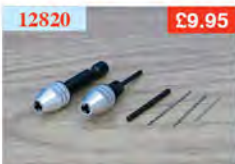
73960 **£59.95**
Table Top Round Magnifying Lamp



79521 **£25.95**
Multi Position Vice with 3 inch Jaws



75040 **£9.95**
Professional Archimedes Drill Set



12820 **£9.95**
Professional Micro Chuck Set



75070 **£9.95**
Precision Pin Vice with 3 Jaw Chuck



26241 **£5.95**
Worm Gear and Pinion Puller



72506 **£14.95**
Miniature 10pc Diamond Needle File Set in wallet



72512 **£7.95**
5pc Diamond Needle File Set with soft grip handles



74360 **£9.95**
Hot Wire Polystyrene Cutter



73012 **£5.00**
Watchmakers Hammer



74325 **£7.95**
Professional Precision Oiler



74326 **£5.95**
Oil Bottle (15cc of oil)



N Gauge **£7.60 Each**
Ready Painted Model
PDX351 GWR Home Signal
PDX351D GWR Distant Signal



PDZ19 **£8.00**
Ready Painted Model
OO Gauge Painted Loco Crew



PDX76 **£6.25**
New!
Ready Painted Model
N Gauge 1950's Motorbike, Sidecar & Rider



PDZ40 **£9.50**
New!
PD Marsh OO Gauge 1950/60 Fire Crew



PDZ41 **£9.50**
New!
Ready Painted Model
PD Marsh OO Gauge 1970/80 Fire Crew



PDZ37 **£8.00**
Ready Painted Model
OO Gauge Belishas Bus Stop & Postbox



PDZ104 **£11.95**
Ready Painted Model
OO Gauge 1950's AA Motorcycle Patrol



95865 **£12.50**
Ancorton OO Terraced Cottages (Half-Relief) OOTH4



95818 **£10.00**
Ancorton OO Gauge Water Tank Kit



95503 **£5.50**
3D Printed Model
Ancorton OO Gauge Camping Tents



95426 **£8.50**
3D Printed Model
Ancorton N Gauge Platelayers Hut/Sleeper Built (RTP)



95425 **£7.50**
3D Printed Model
Ancorton N Gauge Stone Built Lineside Building



95432 **£19.99**
Ancorton Ready Made N Gauge 3D Printed Leisure Narrow Boat (RTP)



95832 **£15.00**
Ancorton OO Gauge Railway Bridge Kit Kit

New Landscape Scenics Items Now Available!!!



LS95585 **£9.95**
Large Boxwood Plants & Hedging (HO/OO Gauge) 15 Pieces



LS95594 **£7.95**
Primula Flowers (HO/OO Gauge) 32 Pieces



LS95596 **£7.95**
Allium Giganteum Flowers (HO/OO Gauge) 30 Pieces



LS95607 **£7.95**
Hibiscus Flowers (HO/OO Gauge) 18 Pieces



LS95608 **£9.95**
Large Hibiscus Flowers (HO/OO Gauge) 8 Pieces



LS95609 **£7.95**
Assorted Hydrangeas (HO/OO Gauge)



LS94294 **£13.95**
Professional 4 Inch Pine Tree Pack. Pack of 2. HO Gauge.



LS95553 **£9.50**
Corn Stalks (pack of 25) O Gauge Very Accurately Detailed Flowers



LS95583 **£9.95**
Hay Bales Assorted (O Gauge) 35 Pieces (5 Round/16 Rectangular)



LS95584 **£7.95**
Boxwood Plants & Hedging (HO/OO Gauge) 20 Pieces



72504 £16.95

Expo 6pc Superior Steel Needle File Set with Handle and Wallet



78215 £5.95

2 Inch Stainless Steel Square



74300 £5.00

Precision Oiler



74104 £4.95

OO Gauge Scale Rule 4mm = 1 foot



78130 £18.95

Expo Professional Ratchet Socket and Hex Key Set



75110 £7.95

EXPO High Quality Pin Pusher 2mm



70372 £15.00

6pc Cutting Broach set in wallet Covers sizes: 1.2 - 3.2mm



78090 £14.95

Expo Professional 8pc Super Thin Combination Spanner Set



75120 £7.95

EXPO High Quality Pin Pusher 3mm



A23040 £7.95

Plug Together 12 Way Connector Block Set



74365 £9.95

Expo Hand Held Guillotine (cuts up to 12mm thickness!)



70515 £7.95

3pc Set of 4mm Scratch Brushes



A28015 £7.95

Pack of 5 SPDT Miniature Biased Switches



79920 £14.95

Expo Professional Rapid Cable Stripper



79031 £9.95

Expo 8pc High Quality Tweezer Set in Wallet



A23000 £4.50

Pack of 10 Micro Spade Connectors with Heat Shrink



77550 £34.95

5 in 1 Butane Gas Torch Set



71203 £10.00

Cutting Mat A3 Size (450 x 300mm)



46101 £5.25

Deluxe Materials Ballast Bond with Tip (100ml)

Code: 77510 3 in 1 Low Temperature Soldering Station



A fantastic 3 in 1 soldering station - suitable for Modelling, Soldering and Pyrography.

- For mains operation - fitted with a British plug
- Soldering Iron 24V/30W
- Soldering Iron Stand
- Complete with 6 Tips
- Full instruction manual included

Manufactured in Germany

(High power version also available - code 77520)

£69.95

Code: AB605 EXPO Super Detail Airbrush Set

Look whats included:

- ✓ Gravity Feed Airbrush
- ✓ Compressor
- ✓ Braided Air Hose
- ✓ Metal Storage Case
- ✓ Pipette
- ✓ Instructions



Fantastic New Airbrush Set Complete Set Only: £69.95



EZE-Wire

The simple way to wire point motor's! All you need is the appropriate EZE-Wire switch harness to go with your point motor, nothing else to buy! No soldering or crimping is required!

No Soldering Required - connections are as simple as 1,2,3!



1. Slide the heat shrink tube provided over one of the wires to be connected



2. Push the micro connectors together



3. Slide the heat shrink over the joint and heat with a hair dryer or gas torch



28070 EZE-Wire Point Motor Harness for Peco Point Motors £6.95



28071 EZE-Wire Point Motor Harness for Hornby Point Motors £6.95

The easy way to wire 5 point motors!



EZE-Wire Point Motor Switch Box £17.95



132 page Free Catalogue available on our website!

www.expotools.com



20gm SAVBIT High Quality Multicore Solder in Dispenser

£2.95

We ask that you support your local model shop by buying from them.

You can see a list of our principal stockists on our website.

In case of difficulty obtaining items you can order direct on our website.

www.expotools.com TRADE ENQUIRIES WELCOMED.

Expo Drills & Tools, Unit 6, The Salterns, TENBY SA70 7NJ. Tel: 01834 845150 (Mon to Fri 9am-5pm)

GAUGEMASTER.com

The Online Home of The Engine Shed

DCC CONTROL

DIGITAL CONTROL SYSTEMS



DCC01 Prodigy Express System £149.95



DCC02 Prodigy Advance2 System £279.95



DCC03 Prodigy Advance2 Wireless System £479.95

DECODERS

DCC22 CLASSIC 2 Function Micro £24.95
DCC23 CLASSIC 6 Pin Plug-In Decoder £24.95
DCC27 OMNI 21 & 8 Pin Decoder £18.95
DCC28 OMNI 6 Pin Decoder with Harness £20.95
DCC29 OMNI Direct Plug Decoder £19.95
BPDC27 OMNI 21 & 8 Pin Decoder (5) £89.95
BPDC28 OMNI 6 Pin with Harness (5) £99.95
BPDC29 OMNI Direct Plug Decoder (5) £94.95
DCC30 Accessory Decoder 4 Accessories £59.95
DCC31 Accessory Decoder Kato UnitTrack £15.95

DCC ACCESSORIES



DCC15 "Decoder Doctor" Decoder Tester £79.95

DCC40 Auto Reverse Module £39.95
DCC49 Prodigy DCC Booster Unit 8 Amp £179.95
DCC51 Prodigy Wireless Conversion Set £259.95
DCC55 Prodigy Wireless Computer Interface £54.95
DCC60 Spare plug for Prodigy £3.25
DCC61 Medium NEM 652 Socket (5) £7.95
DCC62 Prodigy Universal Lead (2m) £4.95
DCC63 Prodigy Adv Power Supply Unit £24.95
DCC64 Prodigy Power Pack Lead £6.95
DCC65 Prodigy Express Power Supply Unit £25.95
DCC71 Prodigy Decoder Tester £9.95
DCC72 8 to 21 Pin Adapter £4.50
DCC77 Prodigy Walkaround Adapter £9.95

ANALOGUE CONTROL

MAINS POWERED CONTROLLERS



GMC-COMBI Single Track Controller £39.95
GMC-100M Single Track £84.95

GMC-100M Single Track O Scale £84.95
GMC-100LB Single Track G Scale £99.95
GMC-10LGBSF 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

PANEL MOUNT CONTROLLERS



GMC-100 Single Track £34.95
GMC-100.O Single Track O Scale £44.95
GMC-100LB 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-UO Four Track £84.95

HANDHELD CONTROLLERS

GMC-IW Single Track £39.95
GMC-HH Single Track Feedback £39.95
GMC-WS Single Track Simulation £59.95



GMC-WM2 Output 2 x 12v AC (1.25a) £54.95

MAINS POWERED TRANSFORMERS

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

WALL MOUNTED TRANSFORMERS

GMC-WM1 Output 1 x 16v AC or 12v DC £19.95
GMC-WM2 Output 1 x 9v DC (0.6a) £14.95

OPEN TRANSFORMERS

GMC-T1 Output 2 x 16v AC (1a) £24.95
GMC-T2 Output 1 x 18v AC (2.5a) £24.95
GMC-T3 Output 1 x 24v AC (1.25a) £24.95
GMC-T4 Output 2 x 12v AC (1a) £24.95

MODULES

GMC-SS1 Super Shuttle Unit £34.95
GMC-SS1LGB Super Shuttle Unit G Scale £44.95

POINT CONTROL

POINT CONTROL STARTER SET

GMC-PCSET Point Control Starter Set £49.95



Contains Mains Powered CDU, 3 x Point Motors, 3 x Reels of 10m Wire & 3 x Toggle Switches. Ideal for the beginner.

MAINS POWERED POINT CONTROL SYSTEM

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

CAPACITOR DISCHARGE UNITS



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

POINT MOTORS



GMC-PM1 Motor with Built-In Switch £5.35
GMC-PM2 Motor No Switch £4.95
GMC-PM4 Motor Latching Mechanism £6.25

UNCOUPLED

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

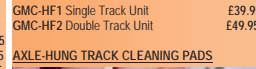
TRACK

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



GMC-HF1 Single Track Unit £39.95

AXLE-HUNG TRACK CLEANING PADS



GMC-HF2 Double Track Unit £49.95



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

TRACK TESTER



GM52 Multi Scale Track Tester £49.95

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 Brn Flexi Track (24) £79.95
GM97 900mm N/Silver Brn 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 LIT 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

GM58 N Buffer Stop Lights (Pack of 2) £4.95
GM17 Pair of Leads (N Joiner/Bare Wire) £4.95

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



GM128 OO Scale Spring Trees (10) £10.95

GENERAL SCENIC MODELLING PRODUCTS

GM100 Mod Rod (2.75m) £4.50
GM119 Fine Plaster of Paris (1kg) £3.95
GM130 1/16 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 76 x 229mm £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 £5.95
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



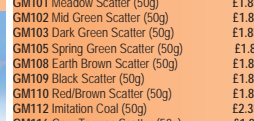
GM196 Static Grass Starter Set £9.95

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 Moorland Grass Flock (30g) £3.15
GM173 Meadow Grass Flock (30g) £3.15
GM174 Woodland Floor Grass Flock (30g) £3.25

BUDGET SCATTERS

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 Imitation 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



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

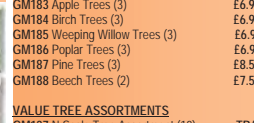
GM150 Fine Light Green Foliage (30g) £3.15
GM151 Fine Dark Green Foliage (30g) £3.15
GM152 Fine Mid Green Foliage (30g) £3.15
GM153 Fine Light Brown Foliage (30g) £3.15
GM154 Fine Brown Foliage (30g) £3.15

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

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 Seafoam 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

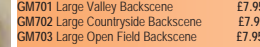
GM136 Spring Grass Tufts £10.95
GM137 Summer Grass Tufts £10.95
GM138 Flowering Grass Tufts £11.95

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

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 Moorland Grass Flock (30g) £3.15
GM173 Meadow Grass Flock (30g) £3.15
GM174 Woodland Floor Grass Flock (30g) £3.25

BUDGET SCATTERS

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 Imitation 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

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

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

STRUCTURES



GM451 Wooden Fencing 300mm Length £5.00

OO SCALE FENCING

GM145 Country Fencing 290mm Length £6.95
GM146 Garden Fencing 290mm Length £6.95

OO SCALE LASER CUT KITS



GM452 Lattice 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	£6.50
GMKD06 Two Shop Unit with Glazing	£6.50
GMKD07 Four House Unit	£8.50
GMKD08 Country Station	£5.25
GMKD09 Station Buildings	£8.00
GMKD10 Island Platform with Flat Canopy	£5.75
GMKD11 Flat Canopy	£6.25
GMKD12 Small Signal Box	£3.00
GMKD13B Farm Rail Fencing Brown	£3.00
GMKD13W Farm Rail Fencing White	£3.00
GMKD14 Telegraph Poles	£3.00
GMKD15 Windows Doors & Gutters	£4.25
GMKD16 Platforms (2)	£2.75
GMKD17 Platform Ramps (2)	£2.25
GMKD18 Station Yard Huts	£3.25
GMKD19 Weighbridge & Office	£4.25
GMKD20 Coal Office	£3.25
GMKD21 Level Crossing/Keepers Cottage	£5.75
GMKD22 Four Greenhouses	£3.00
GMKD23 Two Domestic Garages	£3.00
GMKD24 Water Tower	£3.75
GMKD25 Corner Shop	£4.50
GMKD26 Corner Pub	£4.50
GMKD27 Three Storey Townhouse	£5.75
GMKD28 Three Storey Townhouse	£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



GM60 OO Scale Wheel Cleaner	£19.95
GM61 Precision Lubricator	£4.75
GM667 Superfine Oil Pen w/Teflon Particles	£5.75
GM668 Electrical Control Oil Pen	£9.75

GENERAL MODELLING TOOLS

GM08 Modelling (115ml)	£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)	£7.95
GM610 Double Ended Pin Vice	£5.75
GM611 Sawset 1 w/ Scalpel Handle	£9.75
GM613 Trim-away Knife	£3.50
GM614 S/S Scalpel & Blades	£4.95
GM615 Plastic Scalpel & Blades	£5.50
GM616 Cutting Knife & 5 Blades	£5.95
GM617 Pick-Up Tool	£5.95
GM618 Magnifier Tweezers	£3.95
GM621 Locking forceps Curved	£6.75
GM624 Swivel Top Pin Vice	£6.50
GM625 Curved Tweezer R/Action	£3.95
GM626 Straight Tweezer R/Action	£3.95
GM627 Blunt End Tweezer R/Action	£3.95
GM629 Cutting Discs (10)	£4.75
GM630 Screw Top Mandrels (3)	£4.25
GM631 Slicing Discs (10) & Mandrel	£4.25
GM632 Budget Needle File Set	£4.75
GM633 Glass Fibre Pencil 4mm	£4.75
GM634 4mm G/Fibre Refills (10)	£7.50
GM635 2mm Glass Fibre Pencil	£9.50
GM636 2mm G/Fibre Refills (5)	£6.50
GM638 Cutting Broaches 0.6-2.0	£15.50
GM640 Archimedian Drill Stock	£5.95
GM641 HSS Jbbs Drills 0.5 (5)	£3.95
GM642 HSS Jbbs Drills 0.8 (5)	£3.95
GM643 HSS Jbbs Drills 1.0 (5)	£3.95
GM644 HSS Jbbs Drills 1.2 (5)	£3.95
GM645 HSS Jbbs Drills 1.5 (5)	£3.95
GM646 HSS Jbbs Drills 1.8 (5)	£3.95
GM647 HSS Jbbs Drills 2.0 (5)	£3.95
GM649 Microbox HSS Twist Drill Bits 61-80	£10.95
GM650 HSS Jbbs Drills 0.3 (5)	£10.95
GM651 HSS Jbbs Drills 0.4 (5)	£3.95
GM652 HSS Jbbs Drills 0.6 (5)	£3.95
GM653 HSS Jbbs Drills 0.7 (5)	£3.95
GM654 HSS Jbbs Drills 0.9 (5)	£2.50
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
GM668 Pin Pusher with Depth Stop	£9.50
GM670 Deluxe Paintbrush Set	£9.95



GM683 Soft Grip Knife Set with Blades	£6.95
GM684 Spare Blades for GM683	£1.50
GM693 Value Model Railway Drill	£9.95
GM694 Mains Powered Value Drill	£16.95
GM695 Model Railway Screwdriver Set	£4.95
GM696 Masking Tape 6mm x 18m (2)	£2.25
GM697 Masking Tape 10mm x 18m (2)	£2.95
GM698 Masking Tape 18mm x 18m (1)	£2.75

RAZOR SAWS

GM672 Razor Saw Superfine	£10.95
GM673 3 in 1 Saw Set	£13.95
GM674 Razor Saw Fine	£10.95
GM675 Razor Saw Medium	£10.95
GM676 Aluminum Mitre Box	£14.95
GM677 Fine Woodcraft Saw	£10.95
GM678 Flush Cutting Saw	£14.95
GM679 Universal Razor Saw	£11.95

SOLDERING IRONS & BITS

GM680 15W 230V Soldering Iron	£14.95
GM681 25W 230V Soldering Iron	£16.95
GM682 40W 230V Soldering Iron	£18.95
GM685 15W No.6 Tip	£3.50
GM686 15W No.8 Tip	£3.50
GM687 25W No.6 Tip	£3.75
GM688 25W No.7 Tip	£3.75
GM689 25W No.8 Tip	£3.75
GM690 40W No.6 Tip	£3.75
GM691 40W No.7 Tip	£3.75
GM692 40W No.8 Tip	£3.75

SOLDERING ACCESSORIES

GM01 Low Melt 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



ELECTRICS



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

GM506 Mini-Toggle DPDT	£2.70
GM507 Mini-Toggle SPST	£2.40
GM508 Mini-Toggle SPDT	£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 6 Way	£3.70
GM521 Rotary Switch 3 Pole 4 Way	£3.70
GM522 Rotary Switch 4 Pole 3 Way	£3.70
BPGM501 Slide Switch DPDT (25)	£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

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 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
BPGM11W White Wire 7 x 0.2mm (100m)	£7.95
BPGM11Y Yellow Wire 7 x 0.2mm (100m)	£7.95

GENERAL ELECTRICAL ACCESSORIES

GM12 Pair Connecting Leads (Pin/Bare Wire)	£4.55
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

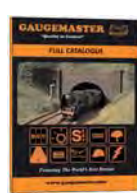
GM61 Micro LED White (4)	£7.95
GM62 Micro LED Red (4)	£7.95
GM63 Micro LED Blue (4)	£7.95
GM64 Micro LED Orange (4)	£7.95
GM69 Grain of Wheat Bulb 12v Yellow (5)	£3.95
GM70 Grain of Wheat Bulb 12v Red (5)	£3.95
GM71 Grain of Wheat Bulb 12v Clear (5)	£3.95
GM72 Grain of Wheat Bulb 12v Green (5)	£3.95
GM73 Grain of Wheat Bulb 12v Orange (5)	£3.95
BPGM69 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 Green 3mm 12v (5)	£2.25
GM81 LED Red 3mm 12v (5)	£2.25
GM82 LED Yellow 3mm 12v (5)	£2.25
GM83 LED Green 5mm 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

GAUGEMASTER Limited Edition News



N SCALE



DAGM220 C166 DB Schenker - £89.95

66 001 IN STOCK (LAST FEW)



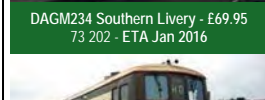
DAGM231 IC Executive Pristine £69.95

73 142 Broadlands - ETA Jan 2016



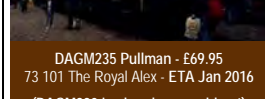
DAGM232 First GBRF - £69.95

73 141 Charlotte - ETA Jan 2016



DAGM233 South West Trains - £69.95

73 235 - ETA Jan 2016



DAGM234 Southern Livery - £69.95

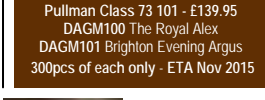
73 202 - ETA Jan 2016



DAGM235 Pullman - £69.95

73 101 The Royal Alex - ETA Jan 2016

(DAGM230 is already pre-sold out)



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
Knightwing
LGB
Lifelike
Lightcraft
Marklin
Mehano
Metcalf
Middleton Press
MiNiS
Minitrains
Modelcraft
Model Scene
MRC
Ninco
Noch
NSR
Oxford Diecast
Oxford Rail
Parkside Dundas
Peco
Piko
Plastruct
Pola
Preiser

Card modelling: A hobby in itself from Metcalfe...

If you have never tried card modelling, you will be surprised at how technical it is. Metcalfe prides itself on creating models which are a pleasurable challenge to build. Each kit, once complete, is sturdy and realistic. With detailed step-by-step instructions, you'll find it easy to

construct each kit with precision. Once you start, you are sure to become hooked.

Shown below is the inside of the PO238 Wayside Station kit with the many layers and inner components that make our kit one of the sturdiest on the market.

See the full range from
METCALFE
READY CUT CARD KITS
at
www.metcalfemodels.com

RAILWAY

00/HO Wayside Station

Code PO238 - £16.99
Contains laser cut detailing



RAILWAY

00/HO Country Station

Code PO237 - £13.75
Detailed brick kit includes platform shelter for opposite platform (not shown)



RAILWAY

00/HO Goods Shed

Code PO232 - £13.99
Detailed brick kit includes small weighbridge office



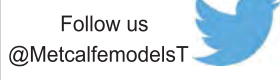
RAILWAY

00/HO Tapered Retaining Wall (stone)

Code PO249 - £12.99

00/HO Railway Bridge (stone)

Code PO247 - £13.99



Also available in Red Brick
Bridge: PO246 £13.99
Tapered Wall: PO248 £12.99

RAILWAY

00/HO GWR Signal Box

Code PO230 - £14.99
An intricate GWR signal box, which can be built as red brick or stone.



Mail Orders:
Metcalfe Models & Toys
 Bell Busk, Skipton.
 BD23 4DU
 T: 01729 830072
Postage (UK ONLY)
 Up to £19.99 - £2.50
 Therafter £4.50
 Phone or write for free brochure

METCALFE

READY CUT CARD KITS

New from Metcalfe in N Scale...

S

Metcalfe Ultra-fine Glue Applicators

Code MT907 - £3.50
 Pack of three bottles. For precise and controlled flow of liquid glue.



INDUSTRIAL

N Warehouse

Code PN182 - £10.99
 Designed to stand alongside PN183 Small Factory (as below) and the soon to be released Boiler House and Factory Entranc.



Can be built as half-relief or stand alone (as shown)

Soon to be released: PN184 Boiler House & Factory Entrance

INDUSTRIAL

N Small Factory

Code PN183 - £10.99
 Two buildings both with loading bays - ideal for running next to a siding. Designed to stand alongside the NEW PN182 Warehouse Kit.



RAILWAY

N Retaining Wall

Stone Code PN144 - £8.99
 Red Brick Code PN145 - £8.99



TOWN & COUNTRY

N Scale Low Relief Terraced House Fronts and Backs

Designed for use as backdrop where space is limited or fronts and back can be matched to make stand-alone
 Brick Fronts PN174 - £7.25 Brick Backs PN176 - £7.99
 Stone Fronts PN175 - £7.25 Stone Backs PN177 - £7.99



MIDI KIT

N Wooden Pavillion

Code PN821 £5.50
 No village green should be without one!



See the full range from
METCALFE at
 READY CUT CARD KITS

www.metcalfemodels.com

Patriot Class 4-6-0 Pre-order for £131.70



31-204 5530 "Sir Frank Ree" in LMS crimson

Class A2 4-6-2 Pre-order for £144.45



31-528A 60529 "Pearl Diver" in BR lined green with late crest
31-531 60536 "Trimbrush" in BR lined green with early emblem

Class O4 Robinson 2-8-0 Pre-order for £131.50



31-003A 6184 in LNER Black
31-004A 63762 in BR Black with early emblem



Pre-order at www.ehattons.com/bachmann2015

Class 3F Fowler Jinty 0-6-0 tank



32-227B 3741 in LMS black £72.21
32-235 47673 in BR black with late crest - weathered £80.71



Class 08 Diesel Shunter



Pre-order from £76.46
32-115B 08818 in BR blue with wasp stripes - weathered
32-119 08907 in DB Schenker red
32-120 13287 in BR plain green early emblem

Class 47 Diesel



31-659 47001 in BR blue - weathered £110.46
31-659DS 47001 in BR blue pristine - DCC sound £203.95

Class 90 Electric Pre-order for £119.00



32-610 90023 in Intercity Swallow with 21-pin socket
32-611 90037 in Railfreight Distribution with 21-pin socket
32-612 90042 in Freightliner Powerhaul with 21-pin socket

Class J72 0-6-0T Pre-order for £75.00



31-060 8680 in LNER lined green
31-061 69001 in BR black with early emblem
31-062 69028 in BR black with late crest



www.ehattons.com/oxfordrailpreorders OXFORD



Heljan Pre-Orders

Adams Radial 4-4-2T - £88



OR76AR001 - Adams Radial 4-4-2T 30583 in BR late black
OR76AR002 - Adams Radial 4-4-2T 30584 in BR early black
OR76AR003 - Adams Radial 4-4-2T 488 in LSWR livery
(Image courtesy of Ben Brooksbank)

Why not try our DCC fitting service?

OR76AR001 / 002 / 003 - Fitted and fully tested with a Hatton's decoder for £110

Adams Radial due in to stock between July - September 2015.

ICI Hopper Wagons

Hattons's are producing, in partnership with Oxford Rail, the very sought after ICI Hopper Wagons.



Specifications:

- RP25 wheel profile with 3 hole wheels
- NEM coupling pockets and tension lock couplings
- Diamond frame bogies (1940's)
- Plate frame bogies (1950's onwards)
- Ladders (where applicable)
- Vacuum reservoirs, brake hoses and piping
- Handbrake wheels
- Raised ICI lettering (larger size)
- Full rivet detail
- Brake shoes in line with wheels
- Pin point axles/axleboxes
- Interior Hopper detail (doors etc)
- Optional load for wagon (sold separately)
- Etched metal ladders
- Close couplings

Now available to pre-order at
ehattons.com/ici

Class 02 Tango



- 3910 - 02/3 Tango 3965 in LNER black with stepped tender
- 3911 - Class 02/3 Tango 63954 in British Railways early livery with stepped tender
- 3912 Class 02/3 Tango 63948 with BR Early crest and stepped tender
- 3913 - Class 02/3 Tango in 63952 BR Black with late crest and stepped tender
- 3920 - Class 02/4 3962 in LNER black with flush tender
- 3921 - Class 02/4 Tango 63983 in BR Black with early crest and flush tender
- 3922 - Class 02/4 Tango 63975 in BR Black with late crest and flush tender
- 3923 - Class 02/4 Tango 63982 in BR Black with late crest and flush tender

Available to pre-order now for £148.00
(Price is estimated)

Due for release early 2016

Tel: **0151 733 3655** info@ehattons.com

364-368 Smithdown Road, Liverpool, L15 5AN

Phones Open **Mon to Fri** 7am to 8:30pm **Sat** 7am to 6pm **Sun** 9am to 5pm

Shop Open **Mon to Sat** 9am to 5pm **Sun** 10am to 4pm

19,000+ items available on www.ehattons.com/brm



Pre-order at www.ehattons.com/bachmann2015

Class 6P Royal Scot 4-6-0
Pre-order for £135.00



31-285 6130 'The West Yorkshire Regiment' in LMS crimson
31-286 46163 'Civil Service Rifleman' in BR black
31-287 46151 'The Royal Horse Guardsman' BR green

Class V2 2-6-2
Pre-order for £135.00



31-566 3645 in LNER black
31-567 60881 in BR green with late crest

Class J39 0-6-0
Pre-order for £80.00



31-866 1803 in LNER Black
31-867 64792 in BR black with early emblem

Class K3 2-6-0
Pre-order for £95.00



32-279A 1304 in LNER lined black
32-281 61862 in BR lined black with early emblem
Class 94xx 0-6-0
Pre-order for £85.00



35-026 9402 in GWR Green
35-026 9487 in BR black with early emblem
35-027 9479 in BR black with late emblem

LNWR 0-6-2T Webb Coal Tank
Pre-order for £101.96



35-050 LNWR plain black livery
35-051 LMS black livery
35-052 BR black early emblem

Class 70 diesel
Pre-order from £98.00



31-590 70015 in Freightliner livery with air intake modifications
£152.95

31-591 70805 in Colas livery with air duct boxes £98.00

Class 117 3-Car DMU
Pre-order for £170.00



35-500 Class 117 3 car suburban DMU in BR green with speed whiskers

35-501 Class 117 3 car suburban DMU in BR blue & grey

35-502 Class 117 3 car suburban DMU in Network SouthEast livery

Class 121 "Bubble Car" DMU
Pre-order for £127.50



35-525 Class 121 'Bubble Car' single car DMU in BR green with speed whiskers

35-526 Class 121 'Bubble Car' single car DMU in BR blue & grey

35-527 Class 121 'Bubble Car' single car DMU in Network SouthEast livery

Limited Edition J94s & Austeritys, Class 14xx & Kings from Hatton's, being produced by DJ Models

Class 14xx
Pre-order for £99



Pristine

H1401 48xx 4825 in GWR unlined green Great Western
H1404 58xx 5808 in GWR unlined green Shirtbutton
H1406 14xx 1420 in GWR unlined green G W R
H1408 58xx 5816 in BR lined black BRITISH RAILWAYS
H1409 14xx 1470 in BR lined black early emblem
H1410 58xx 5819 in BR unlined black early emblem
H1413 14xx 1444 in BR lined green early emblem
H1414 14xx 1450 BR lined green late crest
H1416 14xx 1409 BR unlined green late crest

Lightly Weathered

H1402 58xx 5814 in GWR unlined green Great Western
H1403 48xx 4871 in GWR unlined green Shirtbutton
H1405 48xx 4807 in GWR wartime black G W R
H1407 58xx 5802 in GWR unlined green G W R
H1411 58xx 5801 in BR unlined green G W R

Heavily Weathered

H1412 14xx 1474 in BR unlined black early emblem
H1415 14xx 1432 BR lined green late crest

www.ehattons.com/j94

Austeritys & J94 Limited Editions of 200
Pre-order for £99



Pristine

J9401 "Robert" in NCB Bold Colliery lined green
J9402 71515 in Mech Navvies maroon
J9407 4 in NCB Backworth Colliery lined black
J9408 98 "Royal Engineer" in Army green
J9410 15 in Wemyss Private Railway lined brown
Lightly Weathered
J9403 J94 68012 in BR black late crest
J9405 "Hurricane" in NCB Bickershaw Colliery lined green
J9409 7 in NCB Littleton Colliery lined blue

Very Heavily Weathered



J9404 1763 NCB Peckfield Colliery lined maroon with chevrons
J9406 8 in NCB Mountain Ash Colliery lined green

www.ehattons.com/14xx

Class 6000 King
Pre-order for £169



HK01 6000 "King George V" in GWR lined green with roundel
HK02 6019 "King Henry V" in GWR lined green with shield
HK03 6021 "King Richard II" in GWR lined green with shirtbutton
HK04 6029 "King Edward VIII" in GWR un-lined wartime green
HK05 6018 "King Henry VI" in GWR lined green
HK06 6025 "King Henry III" in BR ultramarine blue
HK07 6027 "King Richard I" in BR/GWR lined green
HK08 6028 "King George VI" in BR lined blue with early crest



HK09 6023 "King Edward II" in BR lined blue with early crest
HK10 6009 "King Charles II" in BR lined green with early crest
HK11 6017 "King Edward IV" in BR lined green with late crest
HK12 6026 "King John" in BR lined green with late crest
HK13 6005 "King George II" in BR lined green with late crest
HK14 6024 "King Edward I" in BR lined green with late crest
HK15 6000 "King George V" in BR lined green with early emblem

DCC Fitted versions also available for £179

HK01DCC - HK15DCC

www.ehattons.com/king

www.ehattons.com/preorder

Pre-orders accepted via credit or debit card only

Pre-order prices subject to manufacturer RRP.



Visit

www.ehattons.com/preorder

for all forthcoming releases

OO Gauge (1:76 Scale)

Steam locos

R3292 BR Black 0-4-0 loco 56011 - Hornby Collectors Club special edition (Hor) **NEW** £26
R2672 Caledonian Railway 0-4-0 steam loco in blue, Railroad range (Hor) (list £28.49) **BARGAIN** £24



31-931 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
R3213 Class 101 Holden 0-4-0T 3102 in SR olive green - Hornby 2013 Collectors club limited edition (Hor) **NEW** £26
32-828A Class 2MT Ivatt 2-6-0 46526 BR lined green late crest - weathered (Bac) £110.46
31-127 Class 30xx 2-8-0 ROD 3023 in BR black early emblem (Bac) (list £129.95) **BARGAIN** £80



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 9028 in BR black early emblem (Bac) £118.96
R3277 Class 3800 County 4-4-0 3833 "County Of Devon" in Great Western green - Railroad range (Hor) £64.80



R2882 Class 3P Jinty 0-6-0 tank loco 24 in S&DJR (Hor) (list £32.49) **BARGAIN** £21



NEW
R3301 Class 4073 Castle 4-6-0 5043 "Earl of Mount Edgcumbe" in BR green early emblem (Hor) **NEW** £134.25
R3205 Class 4900 4-6-0 4965 "Rood Ashton Hall" in BR. New tooling for 2013. Special edition etched name & number (Hor) £105
R3169 Class 4900 4-6-0 Hall 5972 "Oilton Hall" in GWR (Railroad range). New tooling for 2013 (Hor) £67
31-881 Class 4F 0-6-0 43875 BR black early emblem and Johnson / Deeley tender (Bac) £84.96



R2881 Class 5 Black 5 5112 in LMS lined black (Railroad Range) (Hor) £66



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 5076 in BR lined black early emblem (Bac) £90.06
R3224 Class 52XX 2-8-0 5239 in BR black late crest (Hor) £111.20



32-085 Class 56XX 0-6-2 6639 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" GWR (Hor) **NEW** £159.99



R3332 Class 6000 King 4-6-0 "King Edward VIII" BR Late Crest (Hor) **NEW** £159.99



R3370TTS Class 6000 King 4-6-0 "King Richard II" BR Early Crest featuring TTS sound (Hor) **NEW** £179.99



NEW
R3330 Class 6000 King 4-6-0 6000 "King George V" in Early BR green (as preserved) (Hor) **NEW** £148.14
R3304 Class 700 Black Motor 0-6-0 30316 BR black early crest - weathered (Hor) £101.84



R3226 Class 72XX 2-8-2 7218 in BR black early crest (Hor) £120.50



R3244TTS Class 8 4-6-2 71000 "Duke Of Gloucester" in BR green late crest - TTS Sound (Hor) (list £139.99) **BARGAIN** £94



R3221 Class 8P Duchess 4-6-2 46233 "Duchess Of Sutherland" in BR green early crest & MK1 support coach in BR maroon (Hor) £157.60



R3086 Class A1 "Flying Scotsman" in LNER Apple green. Upgraded to 3-pole motor flywheel (Railroad range) (Hor) (list £82.49) **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 £84.99) **BARGAIN** £56



NEW
31-531 Class A2 4-6-2 60536 "Trimbrush" in BR lined green early emblem (Bac) **NEW** £144.45



R2334 Class D16/3 "Claud Hamilton" 4-4-0 62530 in BR black early emblem (Hor) £101.90



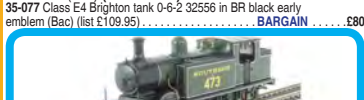
R3303 Class D16/3 4-4-0 62581 in BR black early emblem - weathered (Hor) £101.84



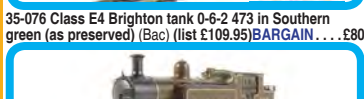
R3233 Class D16/3 4-4-0 8825 in LNER black (Hor) £96



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



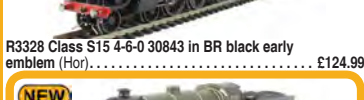
R3242 Class K1 2-6-0 62015 in BR early crest (Hor) £120.50
R3305 Class K1 2-6-0 62059 in BR black early crest - weathered (Hor) £120.36



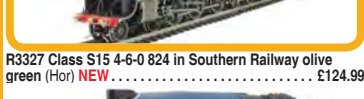
R3227 Class 01 2-8-0 63663 in BR black late crest (Hor) £121.60



R3329 Class S15 4-6-0 30830 in BR black late crest (Hor) **NEW** £124.99



R3328 Class S15 4-6-0 30843 in BR black early emblem (Hor) £124.99



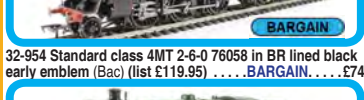
R3327 Class S15 4-6-0 824 in Southern Railway olive green (Hor) **NEW** £124.99



R1171 Loco LNER Class A4 4-6-2 "Mallard" steam loco (unboxed) Split from Flight Of The Mallard train set (Hor) £55
R3297X Railroad LMS 0-6-0T "16440" Jinty Class 3F - DCC Fitted (Hor) £44.99



31-980 Standard Class 3MT tank 82020 in BR green late crest - weathered (Bac) £110.46



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



32-260DC WD Austerity 2-8-0 90448 in BR black with late crest. DCC On Board (Bac) (list £152.95) **BARGAIN** £109

Train packs
30-325 Ambulance Train No.40 Train Pack GWR Class 3700 No.3711 "City of Birmingham" in WWI khaki, 3 x coaches in olive green & 6 x WWI figures (Bac) £140.20



R2669 Class 08 diesel shunter in BR red, 2 x open wagons and 1 x box van (Hor) (list £44.49) **BARGAIN** £29

30-575 The Railway Children Train Pack GWR 57xx Pannier in GNSR, 2 x GNSR Coaches & Scenecraft Oakworth Station Building (Bac) £14.71



30-525 The Shakespeare Express Train Pack Hall Class 4965 "Rood Ashton Hall" in Great Western green, 2 x Pullman cars in umber & cream, BR Mk1 BSK coach in chocolate & cream & Stratford-Upon-Avon Open-top bus (Bac) £195.45

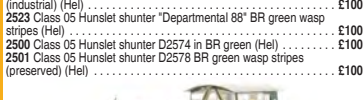
Diesel locos
10001HAP- 10001 BR Brunswick green orange, black & orange lining. Aug 1956 - Oct 1957. (Dap) (list £105) **BARGAIN** £94



R3283 Bagnall shunter in red - Railroad range (Hor) (list £29.99) **BARGAIN** £20



31-366 Class 03 0-6-0 diesel shunter D2016 in BR Green (Bac) £70.51
2503 Class 05 Hunslet shunter "Older Queen" green wasp stripes (Industrial) (Hel) £100
2523 Class 05 Hunslet shunter "Departmental 88" BR green wasp stripes (Hel) £100
2500 Class 05 Hunslet shunter D2574 in BR green (Hel) £100
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
2520 Class 05 Hunslet shunter D2592 in BR green wasp stripes (Hel) £100



2522 Class 05 Hunslet shunter D2595 in BR blue wasp stripes (preserved) (Hel) £100



2521 Class 05 Hunslet shunter D2600 BR green wasp stripes (Hel) £100
32-038DS Class 20 20124 in BR blue with indicator discs - weathered. DCC Sound (Bac) £195.46



32-045 Class 20 diesel 20118 "Saltburn-by-the-Sea" in BR Railfreight red stripe (Bac) £93.46
40-012-001 Class 22 B-B Diesel Hydraulic D6316 in BR Green. Small yellow panels and disc headcode box (Dap) £103



40-012-002 Class 22 B-B Diesel Hydraulic D6327 in BR Green. Amended yellow panels and disc headcode box (Dap) £103



2320 Class 23 Baby Deltic D5900 green headcode discs and frost grilles - gloss (Hel) (list £129.95) **BARGAIN** £59

Visit

www.ehattons.com/brm19,000+ items available
with live stock information

2321 Class 23 Baby Deltic D5901 green headcode discs and frost grilles (Hel) (list £129.95) BARGAIN £59



2322 Class 23 Baby Deltic D5905 green headcode discs and no frost grilles (Hel) (list £129.95) BARGAIN £59



2308* Class 23 Baby Deltic diesel D5900 in BR Green large yellow ends. (Hel) (list £119.95) BARGAIN £72



32-331 Class 25/1 25043 in BR Green full yellow ends - weathered (Bac) NEW £89.21

32-408 Class 25/3 diesel 25286 in BR blue domino headcode (Bac) £93.46
2664 Class 26/0 diesel D5302 in BR green small yellow panels (Hel) £952800*~ 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 £892807* Class 28 Co-Bo Diesel D5711 in Full BR Green modified windows. (Hel) (list £125) BARGAIN £89
2810* Class 28 Co-Bo Diesel D5714 Full BR Green - modified windows. (Hel) (list £125) BARGAIN £89
R3067 Class 31 Diesel Electric 31256 BR Blue (Railroad Range) (Hel) (list £54.99) BARGAIN £57
3430 Class 33/0 diesel D6506 in BR blue full yellow ends (Hel) £95
3519 Class 35 Hymek D7064 in BR blue small yellow warning panels (Hel) £9432-786 Class 37/0 37174 in EWS domino headcode - weathered (Bac) £106.21
32-784 Class 37/0 37242 Mainline blue centre headcode - weathered (Bac) £106.21

32-785DS Class 37/0 37254 in BR Departmental Civil Link Dutch - weathered. DCC Sound (Bac) £203.96



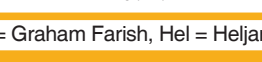
32-370 Class 37/4 diesel 37405 in DRS Compass (Bac) NEW £101.96



32-389 Class 37/4 diesel 37421 in Colas (Bac) NEW £101.96



32-067 Class 43 North British (NBL) Warship 842 'Royal Oak' in BR blue. New tooling (Bac) £118.96



32-066 Class 43 North British (NBL) Warship D835 'Pegasus' in BR green small yellow panel. New tooling (Bac) £118.96



32-065 Class 43 North British (NBL) Warship D865 'Zealous' in BR maroon small yellow panel. New tooling (Bac) £118.96



32-680 Class 45 45036 in BR blue split centre headcode (Bac) £101.96



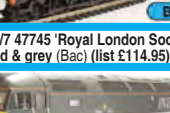
32-681 Class 45 D108 in BR green split centre headcode - weathered (Bac) £110.46



32-816 Class 47/3 47365 'Diamond Jubilee' in BR Railfreight Distribution (Bac) (list £114.95) BARGAIN £72



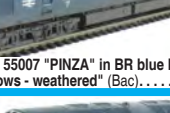
32-817 Class 47/7 47745 'Royal London Society For The Blind' in RES red & grey (Bac) (list £114.95) BARGAIN £72

32-815 Class 47/8 47834 'Fire Fly' BR Intercity Swallow (Bac) (list £114.95) BARGAIN £78
R3263 Class 50 50024 'Vanguard' in BR Large Logo blue (Hor) £137.20R3264 Class 50 50046 'Ajax' in BR Large Logo blue (Hor) £137.20
4D-003-007 Class 52 diesel D1012 'Western Firebrand' in BR maroon small yellow panels (Dap) £119

32-815 Class 47/8 47834 'Fire Fly' BR Intercity Swallow (Bac) (list £114.95) BARGAIN £78

R3264 Class 50 50046 'Ajax' in BR Large Logo blue (Hor) £137.20
4D-003-007 Class 52 diesel D1012 'Western Firebrand' in BR maroon small yellow panels (Dap) £119

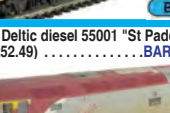
32-532 Class 55 55007 'PINZA' in BR blue Finsbury Park white cab windows - weathered (Bac) £113.01



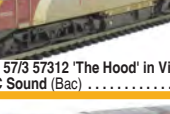
R32879 Class 55 Deltic diesel 55001 'St Paddy' in BR blue (Hor) (list £52.49) BARGAIN £43



32-762DS Class 57/3 57312 'The Hood' in Virgin Trains - weathered. DCC Sound (Bac) £203.96



R3267XS Class 60 60005 'Skiddaw' in Transrail triple grey - Sound fitted (Hor) NEW £229.90

R3345 Class 66 66504 in Freightliner Powerhaul (Hor) NEW £64.81
R3268 Class 67 67003 Arriva Trans Wales (Hor) (list £139.99) BARGAIN £112

R3267XS Class 60 60005 'Skiddaw' in Transrail triple grey - Sound fitted (Hor) NEW £229.90

R3345 Class 66 66504 in Freightliner Powerhaul (Hor) NEW £64.81
R3268 Class 67 67003 Arriva Trans Wales (Hor) (list £139.99) BARGAIN £112R3272 Class 67 67006 'Royal Sovereign' (Hor) (list £139.99) BARGAIN £110
R3348 Class 67 67016 in EWS (Hor) £129.62R3349 Class 67 67024 in EWS (Hor) £129.62
31-588 Class 70 Powerhaul diesel 70005 Freightliner - weathered (Bac) £127.46
31-995 Class D16 LMS 10000 BR Brunswick green lined orange & black (Bac) £101.96

1509 D8204 in plain green numbers on front & rear (Hel) NEW £94



1510 D8208 in green small yellow panels & an additional yellow panel on 'B' end (Hel) NEW £94



1511 D8234 in green small yellow panels; gloss finish as Liverpool St. pilot (Hel) NEW £94



1512 D8242 in green small yellow panels serrified numbers & double arrows (Hel) NEW £94

1513 ADB968003 (Carriage pre-heat unit) in Sherwood green full yellow ends (Hel) NEW £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) £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 D8523 in blue full yellow ends (Hel) NEW £94
1719 D8558 in green small yellow panels (Hel) NEW £94

1720 D8594 in green small yellow panels (Hel) NEW £94



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



MM0222 Irish Class 201 diesel 22 in Intercity green and silver. (Mur) (list £139) BARGAIN £112

R3355 Sentinel 0-4-0 H103 in Wabtec (Hor) £51.84
R3353 Sentinel 4wDH in Balfour Beatty (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
31-677 Class 85 (AL5) Bo-Bo Electric E3056 in BR Blue single pantograph. (Bac) (list £139.95) BARGAIN £79

31-679 Class 85 (AL5) Bo-Bo Electric E3095 BR Electric Blue small yellow panel (Bac) £118.96



R3350 Class 90 90029 in DB Schenker (Hor) £64.81



9002 Metropolitan Bo-Bo electric 1 in 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

R3366 Network Rail Measurement Train Drive Units (Hor) £189.99



DMUs

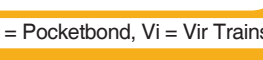
32-286A Class 101 2 Car DMU BR green yellow panel - weathered (Bac) £144.46



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 £72.5032-912 Class 108 3 Car DMU in BR blue full yellow ends (Bac) (list £169.95) BARGAIN £86
8942 Class 128 DPU BR blue - weathered M55995 (Hel) (list £129.95) BARGAIN £698993 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

R3351 Class 153 153358 in Northern Rail (Hor) NEW £83.32
31-256DC Class 251 Blue Pullman 6-car Midland set in Nanking blue full yellow ends. DCC Fitted (Bac) (list £349.95) BARGAIN £290



Prices valid until 13/01/16

Orders received after this date for products that have increased in price will be given a refund



8752 Park Royal Railbus M79971 in BR green speed whiskers (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

EMUs



R3290 Class 2-HAL 2 car EMU in BR green small yellow ends (Hor) (list £130.25)BARGAIN£96

R3340 Class 2-HAL 2 car train pack in BR green yellow front (Hor)£120.60



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



31-031 Class 350/2 Desiro 4 Car EMU 350 238 in London Midland (Bac) (list £189.95)BARGAIN£118

R3185 Class 395 Javelin 4 car EMU 'Sir Chris Hoy' in Southeastern (Hor) £132



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



31-265 Class 419 Motor Luggage Van (MLV) in BR Southern Region green (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

Track Maintenance vehicles



B800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)£56

36-165A Plasser Tamper track maintenance machine (motorised) (Bac) £63.71



31-577 Windhoff MPV Multi-Purpose master and slave units in 'Railtrack' (Bac) (list £148.95)£79

Train sets - analogue



R1174 Breakdown Hauler Train Set 0-4-0 loco, Breakdown Crane and Support Van (Hor) (list £119.99)BARGAIN£59

R1151 Caledonian Belle transect 0-4-0 steam loco in blue 4 wheel coach & open wagon (Hor)£49

R1176 Eurostar 2013 Train Set (Hor)£140



R1171 Flight Of The Mallard train set LNER Class A4 4-6-2 'Mallard' steam loco & 3 teak coaches (Hor) (list £149.99)BARGAIN£109

R1183 Master of the Glens Train Set (Hor)£166.66

Train sets - DCC



30-048 Highland Tourer Digital Sound Set Class 37/4 37418 in BR blue and Mk2 TSO & BSO coaches in Far North green & cream (Bac)£255

Coaches

R4608 BR green Mk1 SK second corridor in lights (Hor)£38.80

R4675 BR Gresley Suburban Third Class Coach, Maroon (Hor)£37.27

39-577 BR Hawksworth Auto Trailer Crimson (Bac) NEW£58.61



39-575 BR Hawksworth Auto Trailer Crimson & Cream (Bac) NEW£58.61



39-576 BR Hawksworth Auto Trailer Maroon (Bac) NEW £58.61

R4621 BR maroon Mk1 TSO tourist second open (Hor) (list £24.99)BARGAIN£19

39-321 BR Mk1 BSP Pullman bar 2nd coach in blue/grey (with lighting) (Bac) (list £48.95)BARGAIN£24



39-291A BR Mk1 FP Pullman parlour 1st coach in blue grey (with lighting) (Bac) (list £48.95)BARGAIN£24

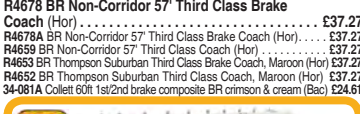
39-274A BR Mk1 GUV InterCity Motorail Blue & Grey - Weathered - NXA £537.36 (Bac) (list £39.95)BARGAIN£21

39-274A Pack of 4 (Bac) (list £159.80)BARGAIN£21

39-301A BR Mk1 SK Pullman Second Kitchen Grey & Blue (With Lighting) (Bac) (list £48.95)BARGAIN£24

39-311A BR Mk1 SP Pullman Second Parlour Grey & Blue (With Lighting) (Bac) (list £48.95)BARGAIN£26

39-200C BR Mk1 Super BG Full Brake RES - Weathered (Bac) (list £39.95)BARGAIN£18



R4678 BR Non-Corridor 57' Third Class Brake Coach (Hor)£37.27

R4678A BR Non-Corridor 57' Third Class Brake Coach (Hor)£37.27

R4659 BR Non-Corridor 57' Third Class Coach (Hor)£37.27

R4659 BR Thompson Suburban Third Class Coach, Maroon (Hor) £37.27

34-081A Collect 60ft 1st/2nd brake composite BR crimson & cream (Bac) £24.61



34-131A Collect 60ft 1st/2nd composite in BR crimson & cream (Bac) NEW£24.61

34-078 Collect 60ft 1st/3rd brake composite 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 in BR crimson & cream (Bac)£24.61



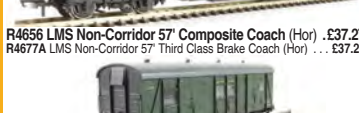
34-053 Collect 60ft 3rd class corridor in GWR chocolate & cream (Bac)£24.61



39-528 Ex-Southern CCT Covered Carriage Truck BR Blue (Bac)£24.61

R4616 Intercity Mk2c TSO tourist second open (Hor)£23.10

39-460 LMS 57 1st Portlough Corridor Brake 3rd BR Crimson & Cream (Bac)£39.96



R4656 LMS Non-Corridor 57' Composite Coach (Hor)£37.27

R4677A LMS Non-Corridor 57' Third Class Brake Coach (Hor)£37.27



39-525 Southern PLV Passenger Luggage Van Southern Railway Green (Bac)£24.61

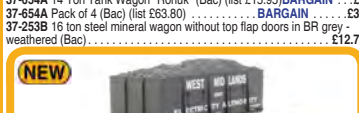
Wagons

38-115 100 ton TEA bogie tank wagon in Fina - weathered (Bac)£36.51



38-030B Pack of 4 100 tonne HHA bogie hopper wagon in Freightliner Heavy Haul sliding end door (Bac) (list £159.80)BARGAIN£135.83

38-030B Single (Bac)£39.96



38-452A 13 ton Hyfil steel open wagon with sheet & higher in BR bauxite (late) (Bac) NEW£15.26

38-450A 13 ton Hyfil steel open sheet in BR bauxite (early) (Bac) NEW£15.26

37-654A 14 Ton Tank Wagon 'Ronuk' (Bac) (list £15.95)BARGAIN£9

37-654A Pack of 4 (Bac) (list £63.80)BARGAIN£34

37-253B 16 ton steel mineral wagon without top flap doors in BR grey - weathered (Bac)£12.71



4F-038-102 20T Steel Mineral West Midland Joint Electric (Dap) NEW£10

38-146 29 ton VDA sliding door box van BR Civil Link - weathered (Bac)£21.21

38-144 29 ton VDA sliding door box van BR Railfreight - weathered (Bac)£21.21



38-044 31 tonne OBA open wagon in BR Railfreight brown (Bac)£18.66

38-041B 31 Tonne OBA open wagon in Railfreight (Bac)£16.53

38-041B Pack of 4 (Bac) (list £37.80)BARGAIN£60

38-041B Megapack of 8 (Bac) (list £175.80)BARGAIN£116

37-603A 46 Tonne glw VGA sliding wall van in EWS - weathered (Bac) (list £21.95)BARGAIN£16

37-603A Pack of 4 (Bac) (list £87.80)BARGAIN£62

37-603A Megapack of 8 (Bac) (list £175.80)BARGAIN£122

4F-052-011 5 Plank E H Watts & Co 9 Ft Wheelbase (Dap) NEW£10

4F-052-012 5 Plank E H Watts & Co 9 Ft Wheelbase - weathered (Dap) NEW£11

4F-051-042 5 Plank SR 27344 (Dap) NEW£9.20

4F-051-042 5 Plank SR 27344 Weathered (Dap) NEW£10.20



4F-071-009 7 Plank GWR 06562 (Dap) NEW£9.20

4F-071-010 7 Plank GWR 06562 Weathered (Dap) NEW£10.10

37-162 8 plank end door wagon in 'R. W. Hill & Son' (Bac) (list £14.95)BARGAIN£8

37-162 Pack of 4 (Bac) (list £59.80)BARGAIN£30

37-163 8 plank end door wagon 'William Harrison' (Bac) (list £14.95)BARGAIN£8

37-163 Pack of 4 (Bac) (list £59.80)BARGAIN£30

4F-080-116 8 Plank Laporte 57 (Dap) NEW£9.80

4F-080-117 8 Plank Laporte 57 Weathered (Dap) NEW£10.80

38-151B^ Megapack of 8 80 Tonne glw BDA bogie bolster wagon in Railfreight (Bac) (list £191.60)BARGAIN£106

38-151B^ Single (Bac) (list £23.95)BARGAIN£14

38-151B^ Pack of 4 (Bac) (list £95.80)BARGAIN£54

4F-090-104 9 Plank Gas Light and Coke 763 (Dap) NEW£9.80

4F-090-105 9 Plank Gas Light and Coke 763 Weathered (Dap) NEW£10.80

4F-016-102 Banana Van Gessl B882120 (Dap) NEW£9.40

4F-016-103 Banana Van Gessl B882120 Weathered (Dap) NEW£10.40

R6473 BR Brown mineral wagon x 3 (Railroad Range) (Hor) (list £17.49)BARGAIN£12

38-427 Bulk grain bogie hopper in 'Traffic Services Limited' (Bac)£46.71

38-427 Pack of 4 (Bac) (list £239.80)BARGAIN£172

38-427 Megapack of 8 (Bac) (list £479.60)BARGAIN£330

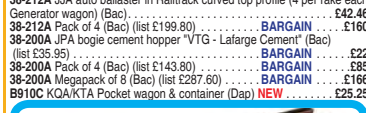


38-350A Pack of 4 BZA steel carrier steel coils in EWS (Bac) (list £103.80)BARGAIN£52

38-350A Single (Bac) (list £25.95)BARGAIN£14

37-951B Conflat wagon BR bauxite BD container BR crimson B709076 (Bac)£13.56

37-951B Pack of 4 (Bac) (list £63.80)BARGAIN£54.23



37-314 Pack of 4 Intermodal bogie wagon 2 x 45ft containers in Salmarine (Bac) (list £199.80)BARGAIN£108

37-314 Single (Bac) (list £49.95)BARGAIN£29

38-212A JJA auto ballaster in Railtrack curved top profile (4 per rake each Generator wagon) (Bac)£42.46

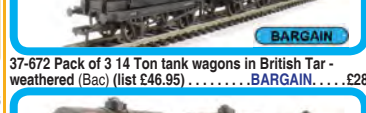
38-212A Pack of 4 (Bac) (list £199.80)BARGAIN£160

38-200A JPA bogie cement hopper 'VTG - Lafarge Cement' (Bac) (list £35.95)BARGAIN£22

38-200A Pack of 4 (Bac) (list £143.80)BARGAIN£85

38-200A Megapack of 8 (Bac) (list £287.60)BARGAIN£166

B910C KQA/KTA Pocket wagon & container (Dap) NEW£25.25



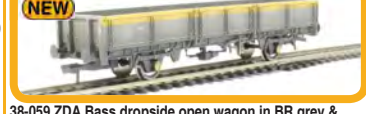
38-242^ Megapack of 8 MBA Megabox high-sided bogie box wagon in EWS - weathered (without buffers) (Bac) (list £216)BARGAIN£162

38-242^ Single (Bac) (list £27)BARGAIN£22

38-242^ Pack of 4 (Bac) (list £108)BARGAIN£78

36-052 WTA open box ballast wagon in EWS (Bac) NEW£16.11

37-983 Pack of 2 Conflat wagons in BR bauxite (Bac)£25.46



37-672 Pack of 3 14 Ton tank wagons in British Tar - weathered (Bac) (list £46.95)BARGAIN£28

4F-011-013 Ventilated Van LMS Fruit Van 511254 (Dap) NEW£9.40

4F-011-014 Ventilated Van LMS Fruit Van 511254 Weathered (Dap) NEW£10.30



37-671 Pack of 3 14 Ton tank wagons in Fina - weathered (Bac) (list £46.95)BARGAIN£28

4F-011-013 Ventilated Van LMS Fruit Van 511254 (Dap) NEW£9.40

4F-011-014 Ventilated Van LMS Fruit Van 511254 Weathered (Dap) NEW£10.30



38-059 ZDA Bass dropside open wagon in BR grey & yellow - weathered (Bac) NEW£19.51

Analogue controllers

36-560 Plug in 0.7 Amp transformer separate speed controller, track connector wires & power clip (Bac)£25.54

DCC decoders

36-554 21-pin 3-function 2-sided 1A decoder back EMF for slow running (Bac) £12



DCR-21PIN-Direct Box of 10 21-pin 4-function 1.1Amp direct plug decoder back EMF (Hat)£110

DCR-21PIN-Direct Single (Hat)£12

DCR-21PIN-Direct Box of 5 (Hat)£57

36-557 Pack of 5 21-pin E-Z Command 4-function 1A decoder back EMF (Bac) (list £92.50)£70

36-557 Single (Bac)£14.50

X9659 4-pin decoder for some train set locos and Sentinels (Hor)£10

BDPC22 8 & 21-pin 4-function 1A (1.8A peak) small OMNI decoder (measures 23x x 27w x



Opening hours
Store: 09:00 - 17:00 Mon - Sat
10:00 - 16:00 Sun



07:00 - 20:30 Mon-Fri
07:00 - 18:00 Sat 09:00 - 17:00 Sun

DCC accessory decoders



R8247 DCC accessory decoder (for points and motors) (Hor) £32

DCC controllers



R8312 e-LINK Module, Railmaster Software & 1 Amp Transformer (PC/Laptop Required) (Hor) £68



36-504 EZ Command Dynamis Ultima DCC system (Bac) £250.71

Point motors



R8243 Surface Mounted point motor (Hor) £7

Lighting equipment

CL2 Standard Coach Lighting Strips - Warm White (Tra) £17

Accessories

SFX10 Steam loco sound capsule (with built battery, speaker & motion detector) (Tra) £37

Cables & Wires

OO/WIRE1 OO Catenary Wires 337 mm x 5 (Dap) £21.21
 PL-80 Power feed joiners - Code 100/124 (x4 pairs) (Pec) £5.50

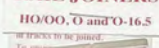
Spares

36-026 10 x Mk2 Couplings mini type - long (Bac) £4.68



SL-110 Finescale rail joiners/fishplates (for code 70, 75 & 83) for OO & HO gauge - Pack of 24 (Pec) £2
 SL-111 Insulated rail joiners/fishplates (for OO, HO & O gauge code 100 rails ind. Hornby, Peco & Peco Streamline) - Pack of 12 (Pec) £2

RAIL JOINERS



SL-10 Metal rail joiners/fishplates (for code 100 rails inc Hornby, Peco & Peco Streamline). For OO, HO & O gauge - Pack of 24 (Pec) £2.50

Wheel sets

R8218 14.1 mm coach wheels (pack of 10) (Hor) £5
 R8096 Metal disc wheels on axles (10 axles) (Hor) £5.50

Buildings - railways

PO213 2 Road Red Brick Engine Shed & Workshop Building (Card Kit) (Met) £12.50

NEW



44-0025 Brick Lineside Hut (Bac) **NEW** £6.76
 44-574 Colour Light Signals (Bac) £11.86
 LK-20X Double length overall arched station roof (Pec) £20
 44-128 Fuelling Point Pump House (164 x 72 x 37mm) (Bac) £25.46
 PO216 Platform kit in red brick - Makes up to 8ft (Card Kit) (Met) £9

NEW



44-573 Platform Monitors and Cameras- 1 x monitor and 1 x camera (Bac) **NEW** £14.41
 44-0041 Rail over River Bridge (Bac) **NEW** £46.71
 R8009 Station Terminus (London Road) (Hor) £41
 44-0019 Thatched Cottage (Bac) **NEW** £29.71

Man-made scenic structure - railway-related



89121 21.5 metre (90ft) Motorised turntable - ready for installation. Upgraded 89111. For HO/OO scales. DCC ready (Hel) £199



LK-55 76ft Well type turntable (Pec) £38



R083 Box of 6 Buffer Stop (Hor) £8
 R083 Single (Hor) £1.40



R070 Electrically Operated Turntable (Hor) £59

44-129 Fuel Storage Tank (110 x 55 x 60mm) (Bac) £25.46
 LK-85 Lineside Flexible Field Fencing (1080mm) (Pec) **NEW** £3.50
 LK-86 Lineside Gates & Slits (2 field gates, 2 slits, 1 wicket gate) (Pec) **NEW** £4
 SL-43 Loco Lift and storage unit (Pec) £11
 OOCAT1 Overhead Mk3 High Speed Catenary Single Mast (Pack of 10) - 5 long arm and 5 short arm easi-fix mounting system (Dap) £8
 R514 Platform Canopy x 2 (Hor) £12
 SL-40 Rail built buffer stop (Pec) £1.50

Signals



4L-001-001 Signal - Motorised, Square post GWR home lower quadrant (OOSIGN1) (Dap) £22

Buildings - general

R9810 Skaledale Corrugated Iron Workshop (Hor) £26.84

NEW



44-0047 Corner Florist (Bac) **NEW** £29.71
 44-040 Diesel fuelling point - Scenecraft range (162 x 37 x 56mm) (Bac) £13
 44-025 Hampton Heath colliery - Pit Head Lift - Scenecraft range (comes in plain white box) (Bac) £23

NEW



44-265 Low Relief Block of flats (Bac) **NEW** £53.51
 44-262 Low Relief Cinema (Bac) £33.96
 44-0027 Rural Bus Depot (Bac) **NEW** £50.96
 44-0045 Suburban Station (Bac) **NEW** £46.71

Man-made scenic structure - non-railway

44-016 Fuel Storage Tanks (Bac) £33.96

Bridges, Tunnels & Walls

44-568 Quayside walls (Bac) £33.96
 PO244 Retaining Wall in Red Brick - 4 sections per kit (Met) £11
 PO245 Retaining Wall in Stone - 4 wall sections per kit (Met) £11

People - civil

36-047 Locomotive staff x 6 (Bac) £6.21
 36-044 Station passengers standing x 6 (Bac) £6.21

Track - Code 100 Setrack

ST-244 Setrack curved double radius right handed point insulfrog (Pec) £14
 ST-201 Setrack double straight (Pec) £9
 ST-241 Setrack No.2 radius left handed point insulfrog (Pec) £9



ST-240 Setrack No.2 radius right handed point insulfrog (Pec) £9



ST-204 Box of 24 Setrack Quad Straight (Pec) £76
 ST-204 Single (Pec) £3.50

Track - Code 100 Streamline



SL-100 Pack of 25 1 yard (91.5cm) length of Code 100 Wooden-sleeper nickel silver flexible track (Pec) £66
 SL-100 Single (Pec) £3
 SL-102 Pack of 25 1 yard (91.5cm) length of Nickel Silver concrete-sleeper flexible track (Pec) £70
 SL-102 Single (Pec) £3
 SL-E99 3 way medium radius point electrofrog (Pec) £25



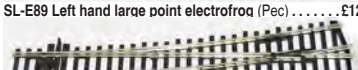
SL-99 3 way medium radius point insulfrog (Pec) £25



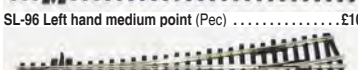
SL-90 Double slip insulfrog (Pec) £31
 SL-E87 Left hand curved point electrofrog (Pec) £12.50



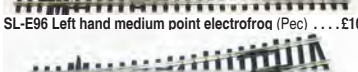
SL-E89 Left hand large point electrofrog (Pec) £12



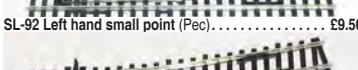
SL-96 Left hand medium point (Pec) £10



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-E86 Right hand curved point (Pec) £12.50

SL-E86 Right hand curved point electrofrog (Pec) £12.50

SL-E88 Right hand large point electrofrog (Pec) £12

SL-E88 Right hand large point insulfrog (Pec) £12

SL-E95 Right hand medium point (Pec) £10

SL-E95 Right hand medium point electrofrog (Pec) £10

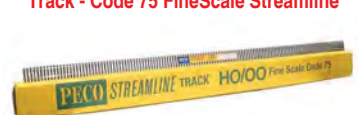


SL-91 Right hand small point (Pec) £9.50



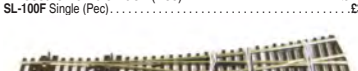
SL-E91 Right hand small point electrofrog (Pec) £9.50

Track - Code 75 FineScale Streamline



SL-100F Pack of 25 1 yard (91.5cm) length of Nickel Silver Finescale flexible track (Pec) £72

SL-100F Single (Pec) £3

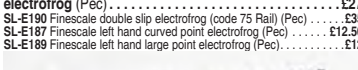


SL-E199 3 way finescale medium radius point electrofrog (Pec) £27

SL-E190 Finescale double slip electrofrog (code 75 Rail) (Pec) £35

SL-E187 Finescale left hand curved point electrofrog (Pec) £12.50

SL-E189 Finescale left hand large point electrofrog (Pec) £12



SL-E196 Finescale left hand medium point electrofrog (Pec) £12



SL-E192 Finescale left hand small point electrofrog (Pec) £10

SL-E188 Finescale right hand large point electrofrog (Pec) £12

SL-E185 Finescale right hand medium point electrofrog (Pec) £12

SL-E191 Finescale right hand small point electrofrog (Pec) £10

Track & Points

R607 2nd radius double curve track (8 make a circle) (Hor) £2.25

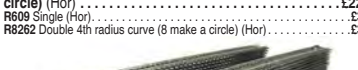
R607 Circle of 8 (Hor) £18



R609 Circle of 8 3rd radius double curve track (8 make a circle) (Hor) £22

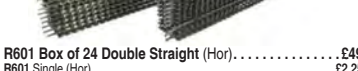
R609 Single (Hor) £3

R8262 Double 4th radius curve (8 make a circle) (Hor) £3



R601 Box of 24 Double Straight (Hor) £49

R601 Single (Hor) £2.25



R8072 Left Hand Standard Point (Hor) £9



36-603 Box of 10 Long straight track nickel silver (same as R603) (Bac) (list £34) **BARGAIN** £24.80

36-603 Single (Bac) £2.76



R8073 Right Hand Standard Point (Hor) £9

R600 Standard Straight (Hor) £1.40

R600 Box of 24 (Hor) £33

ST-100 Starter Track Set (Pec) £54

Track underlay

GM200 5 metres of realistic grey ballasted OO gauge underlay (Gau) £19



SL-50 Roll of foam track underlay sleeper indentation. Suitable for Setrack and Streamline 5m long (16' 4") (Pec) £9

Buses

NEW



760WB011 Bedford OWB MacBraynes (Oxf) **NEW** £12

16230 Bristol LS 'Hants & Dorset' (EFE) **NEW** £28

33802EFE Bristol RELH Coach 'Lincolnshire Road Car' (EFE) **NEW** £28

NEW



38124 Bristol VRT 'United Counties' (EFE) **NEW** £28

NEW



28608 GM Standard Atlantean 'First Greater Manchester' (EFE) **NEW** £28

76PD2001 Leyland Titan PD212 Maidstone & District (Oxf) £16

24823 Plaxton Minibus Norfolk Green' (EFE) **NEW** £28

76IRZ005 Scania Irizar PB White (Oxf) £16

29807 Wright Dennis Lance 'Southend Transport' (EFE) **NEW** £28

NEW



OM46710B Wright Eclipse 2, First Hampshire, E2 Fareham Bus Station (Cor) (list £29.99) **NEW BARGAIN** £24

NEW



OM46710A Wright Eclipse 2, First Hampshire, E2 Gosport Ferry (Cor) (list £29.99) **NEW** **BARGAIN** £24

OM46508B Wright Eclipse Gemini 2, Tower Transit, 25 Oxford Circus (Cor) (list £29.99) **BARGAIN** £24

Cars

76AUS001 Austin 1300 Bronze Yellow (Oxf) £4.75

76ACF001 Austin Cambridge Persian blue/white (Oxf) £5

76AS5001 Austin Seven RN in Saloon Fawn (Oxf) £4.75

76AS5003 Austin Seven RN Saloon Maroon (Oxf) £5

76JAG7005 Jaguar MKVII Twilight Blue (Oxf) **NEW** £5

NEW



76SR005 Sunbeam Rapier MkIII Powder Blue (Oxf) **NEW** £5



76ASV003 Austin Seven RN Van Liptons Tea (Oxf) £5

NEW



76CA002 Bedford CA Ice Cream Walls (Oxf) **NEW** £5

NEW



76FCG003 Ford Cargo Box Van Harris (Oxf) **NEW** £11

NEW



76FTC004 Ford Transit Connect British Gas (Oxf) **NEW** £4.75

76FT1001 Ford Transit Mk1 White (Oxf) £5

76DAF003 Leyland Daf FT85CF Curtainside Eddie Stobart (Oxf) £18

DA94 Leyland Octopus Tipper - Charringtons (Bas) **NEW** £9.50



76MB001 Mercedes Actros MP4 GSC Curtainside 'Eddie Stobart' (Oxf) £21

76SLC003 Scania Crane Lorry Eddie Stobart (Oxf) £14

Visit

www.ehattons.com/new

for new releases



76SHL06WF Scania Highline - Eddie Stobart - A P McCoy (Oxf).....£18



76VOL4001 Volvo FH4 Curtainside Eddie Stobart (Oxf) ..£19

Farming & Construction
76MF001 Massey Ferguson 135 in Red (Oxf).....£4.75
Military ground vehicles



76TIL009 Austin Tilly Bomb Disposal (Oxf) **NEW**.....£5
76MW006 Bedford MWD 10th Armoured Div 41st (Oldham) Royal Tank Regiment as per Tunisia 1943 (Oxf) **NEW**.....£6



76QLB001 Bedford QLB 4th Infantry, UK 1942 (Oxf) **NEW** £12



76DT001 Diamond T980 Tank Transporter TRC Western Desert 1942 GHQ Cairo (Oxf).....£20



76RAB010 Scammell Scarab Van Trailer Royal Navy (Oxf) **NEW**.....£8



Public Service vehicles



76SET34 5 Piece British Rail Set K8/CA/Q25/LR (Oxf) £20
76LRD006 Land Rover Discovery 3 Cairns Blue Metallic (Oxf) **NEW** £4.50



76TN001 Thornycroft Nubian Major City of Birmingham AFS (Oxf) **NEW**.....£12

N Gauge
Steam locos



ND095AD Britannia Pacific 4-6-2 70000 "Britannia" in BR green late crest and original smoke deflectors. DCC Fitted (Dap).....£119

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
25-015-004 Class 2MT Ivatt 2-6-2 BR black early emblem - weathered (Dap) £97



25-015-003 Class 2MT Ivatt 2-6-2 in BR black late crest (Dap).....£53

372-062 Class 4F 0-6-0 43875 BR black early emblem & Johnson tender (Gra) £93.46
372-750 Class 4MT Fairburn 2-6-4 tank 2691 in LMS black (Gra) £97.71



372-752 Class 4MT Fairburn 2-6-4 tank 42073 in BR black late crest (Gra) £97.71

25-007-007D Class 5700 Pannier 0-6-0 4607 BR black early crest - DCC Fitted (Dap).....£82
25-007-011D Class 57xx Pannier 0-6-0 6746 in GWR green shirbutton emblem - DCC fitted (Dap).....£88
25-019-001 Class 6800 4-6-0 6820 "Kingstone Grange" in GWR green shirbutton emblem (Dap).....£100



372-752 Class 4MT Fairburn 2-6-4 tank 42073 in BR black late crest (Gra) £97.71

372-182 Class 8P Duchess 4-6-2 48235 "City of Birmingham" BR green late crest (Gra) £127.46

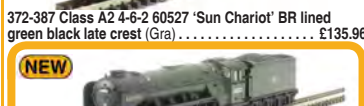
372-800B Class A1 4-6-2 60163 "Tornado" BR Express blue (as preserved) (Gra).....£135.96



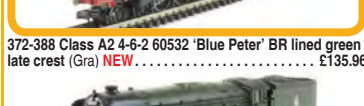
372-385 Class A2 4-6-2 525 "A H Peppercorn" LNER Apple green (Gra).....£135.96



372-387 Class A2 4-6-2 60527 "Sun Chariot" BR lined green black late crest (Gra).....£135.96

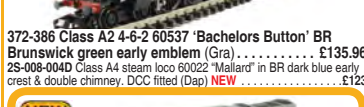


372-388 Class A2 4-6-2 60532 "Blue Peter" BR lined green late crest (Gra) **NEW**.....£135.96

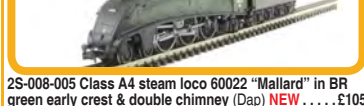


372-386 Class A2 4-6-2 60537 "Bachelors Button" BR Brunswick green early emblem (Gra).....£135.96

2S-008-004D Class A4 steam loco 60022 "Mallard" in BR dark blue early crest & double chimney. DCC fitted (Dap) **NEW**.....£123



2S-008-005 Class A4 steam loco 60022 "Mallard" in BR green early crest & double chimney (Dap) **NEW**.....£105



2S-008-006 Class A4 steam loco 60029 "Woodcock" in BR green late crest (Dap) **NEW**.....£105



2S-008-005D Class A4 steam loco 60022 "Mallard" in BR green early crest & double chimney. DCC fitted (Dap) **NEW**.....£123

2S-008-007 Class A4 steam loco 60027 "Seagull" in BR green early crest & double chimney (Dap) **NEW**.....£105

2S-008-007D Class A4 steam loco 60027 "Seagull" in BR green early crest & double chimney. DCC fitted (Dap) **NEW**.....£105

2S-008-006 Class A4 steam loco 60029 "Woodcock" in BR green late crest (Dap) **NEW**.....£105

2S-008-006D Class A4 steam loco 60029 "Woodcock" in BR green late crest. DCC Fitted (Dap) **NEW**.....£123

372-079 Class B1 4-6-0 1040 "Poedder" in LNER lined black (Gra).....£110.46



2S-020-002D Class B17 4-6-0 61664 "Liverpool" in BR green early emblem. DCC Fitted (Dap).....£110



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



372-427 Class WD Austerity 2-8-0 90201 in BR black late crest - weathered (Gra) (list £144.95) ..BARGAIN.....£89



372-186 Princess Coronation Class 4-6-2 46226 "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 bolster wagons in olive green & 3 x Mk1 tanks under tarpaulins (Gra).....£89.21



370-400 Longmoor Military Railway Train Pack WD Austerity 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 08672 in BR blue wasp stripes (Gra) **NEW**.....£76.46

371-021A Class 08 D3785 in BR green late crest (Gra) **NEW**.....£76.46



ND145G Class 26 diesel 26040 in BR blue discs, snowploughs & stag emblem (Dap).....£85

2D-013-001 Class 27 diesel loco D5401 BR green small yellow panels. (Dap) ..£82



371-112 Class 31 diesel 31173 in BR blue full yellow ends (Gra).....£100.26

371-111 Class 31 diesel D5596 in BR green small yellow panels (Gra).....£100.26



2D-018-003 Class 35 Hymek D7013 in BR green (Dap) £79

371-145S Class 37 diesel 37251 in BR blue. weathered (Gra).....£106.21

371-166 Class 37/4 diesel 37406 "The Saltire Society" in Railright Distribution (Gra).....£89.21

371-168 Class 37/5 diesel 37506 Railright Red Stripe (Gra).....£89.21



371-828B Class 47/0 diesel 47096 in BR blue (Gra) £101.96

371-825B Class 47/0 diesel 47152 in BR green small yellow panel (Gra).....£101.96

372-246 Class 47/7 diesel 47715 "Haymarket" BR Network South East (Gra).....£101.96

371-286 Class 55 diesel "Deltic" D9002 "The King's Own Yorkshire Light Infantry" in BR green half yellow ends (Gra).....£93.46

371-536 Class 70 Powerhaul diesel 70005 Freightliner (Gra) (list £119.95) ..BARGAIN.....£82.50

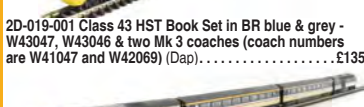
371-635 Class 70 Powerhaul diesel 70006 Freightliner (Gra) (list £119.95) ..BARGAIN.....£82.50

Electric locos

ND147 Class 86 Twin pack Network Rail 86901 & 86902 (1x powered loco 1x dummy loco) (Dap) (list £124.95) ..BARGAIN.....£69



2D-019-001 Class 43 HST Book Set in BR blue & grey - W43047, W43046 & two Mk 3 coaches (coach numbers are W41047 and W42069) (Dap).....£135



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



2D-019-004 Class 43 HST Book Set in Intercity Swallow - 43075, 43106 & two Mk 3 coaches (Dap).....£135

ND122J Class 43 HST Book Set in Virgin Trains 43094 & 43104 (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-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) (list £164.95) ..BARGAIN.....£100

371-741^ Class 251 Blue Pullman 6 car Midland set in Nanking blue full yellow ends. (Gra) (list £269.95) ..BARGAIN.....£171

EMUs



371-702 Class 350/1 Desiro 4 Car EMU 350 101 in London Midland (Gra) (list £169.95).....BARGAIN.....£99



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

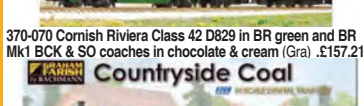
Train sets - analogue

370-140 The Steel Worker Class 08 D3406 in BR green & 3 x 24-ton ore hopper wagons (Gra).....£93.46

Train sets - DCC



370-070 Cornish Riviera Class 42 D829 in BR green and BR Mk1 BCK & SO coaches in chocolate & cream (Gra).....£157.21



370-080 Countryside Coal Digital Set Class 3F Jinty No.23 in SDJR blue, Midland brake van, 7-plank wagon & 5-plank wagon (Gra).....£140.21

Coaches

374-188C BR Mk1 BSK Brake Second Corridor Blue & Grey (Gra) **NEW** £24.61

374-185C BR Mk1 BSK Brake Second Corridor Crimson & Cream (Gra) **NEW** £24.61

374-882 BR Mk2A BSO Brake Second Corridor Network South East (Gra) £24.61

2P-003-002 GWR B Set Coach Twin Pack GWR Shirbutton (Dap).....£20



374-187C Mk1 BSK Brake Second Corridor Maroon Weathered (Gra) **NEW**.....£25.46

374-162 Mk1 FK first corridor in green (Gra) (list £28.95) **BARGAIN**.....£14

NPE008 Plaxton Elite Stagecoach Coasterdier (Oxf) **NEW**.....£7

Wagons

373-682 14 Ton Tank Wagon "ICI" Maroon (Gra) **NEW**.....£13.56

373-680 14 Ton Tank Wagon Large Filler "Mex Lamp Oils" (Gra) **NEW**.....£13.56

2F-034-035 21T Hopper NE 193265 (Dap) **NEW**.....£9.10

377-278 27 Ton Steel Tippler Wagon MSV in BR bauxite (Gra) **NEW**.....£11.86

2F-071-030 7 Plank BR P238835 (Dap) **NEW**.....£9

2F-071-031 7 Plank BR P238835 Weathered (Dap) **NEW**.....£10



377-235A Triple Pack of 16 Ton Steel Mineral Wagons in BR grey - weathered (Gra).....£36.51

377-279 Triple Pack of Steel Tippler Wagons in BR grey Iron Ore - weathered (Gra) **NEW**.....£36.51

373-785 Triple pack TTA 45 Tonne tank wagon - weathered (Gra).....£30.56

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

Cables & Wires

PL-82 Power feed joiners - Code 55/80 (x4 pairs) (Pec).....£5.50



2A-000-008 Magnetic NEM couplers - medium arm (ex-NSPARE8) - 5 pairs (Dap).....£17



SL-310 Rail Joiners/Fishplates for N & 009 gauge (24 per pack) (Pec).....£2



GM127 Spring/Summer Trees (10) (Gau) **NEW**.....£7

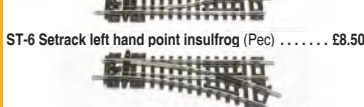


ST-11 Double straight track (Pec).....£1.50

ST-19 N Setrack No. 4 radius double curve (Pec).....£2.50

ST-17 N Setrack No.3 radius double curve (8 form a circle). 298.5mm/11.75" radius (Pec).....£2

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-300 Starter Track Set (Pec).....£44



UK P&P £4 PER ORDER
£2 per single diecast item

£7 guaranteed Next Day delivery
(Orders before 2pm)

Track - Code 80 Streamline



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-E396 Left hand medium point electrofrog (Pec) £9



SL-396 Left hand medium point insulfrog (Pec) £9
SL-E395 Right hand medium point electrofrog (Pec) £9



SL-395 Right hand medium point insulfrog (Pec) £9
Track - Code 55 Finescale Streamline



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-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-E388F Finescale right hand large point electrofrog (Pec) £11



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

ST-45 Setrack N Gauge Curved Turnout L/H (Pec) £14
ST-44 Setrack N Gauge Curved Turnout R/H (Pec) £14

Commercial vehicles

NLAN188019 Land Rover Series 1 88" Hard Top AA (Oxf) NEW £4

O Gauge (1:43 Scale)

Diesel locos



6002 Class 60 diesel in EWS (Supplied un-numbered separate waterside numbers, sector emblems and, a selection of nameplates.) (Hel) NEW £499
6000 Class 60 diesel in Railfreight triple grey (Supplied un-numbered separate waterside numbers, sector emblems and, a selection of nameplates.) (Hel) NEW £499

Coaches

4920 BR Mk1 BSK brake 2nd corridor coach in carmine & cream (Hel) £250

Wagons

7F-031-001 6-wheel milk tanker in 'Express Dairies' (Dap) £62
7F-031-004 6-wheel milk tanker in 'United Creameries' (Dap) £62



7F-031-000 6-wheel milk tanker in 'United Dairies' (Dap) £62

NEW



4375 BR black DB983021 - Dogfish (Hel) NEW £79
4376 BR green DB983239 - Dogfish (Hel) NEW £79
4352 BR green DB983503 - Catfish (Hel) NEW £79
4351 BR green DB982623 - Catfish (Hel) NEW £79
4377 BR green DB993608 - Dogfish (Hel) NEW £79

NEW



4350 DB992531 in engineers black - Catfish (Hel) NEW £79
4353 Engineers grey/yellow DB983466 - Catfish (Hel) NEW £79

NEW



4378 Engineers grey/yellow DB993116 - Dogfish (Hel) NEW £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) £6.50
SL-E790BH Double slip (8 degree angle). Electrofrog (Pec) £83



SL-E792BH Left hand point bullhead rail and electrofrog (Pec) £39



SL-E791BH Right hand point bullhead rail and electrofrog (Pec) £39
SL-E797BH Y Point bullhead rail & electrofrog (Pec) £39

Cars

NEW



43AH1002 Austin-Healey 100 BN1 (Tonneau) (Oxf) NEW £20
VA13702 BMW 318i (E30), 'Design' Convertible, Neon Green (Cor) (list £19.99) NEW BARGAIN £16
VA13402A BMW 325i Coupe (E30), Sport M-Tech 1, Dolphin Grey, RHD (UK) (Cor) (list £19.99) NEW BARGAIN £16
43DSF002 Daimler SP250 Royal Red (Oxf) £20

NEW



VA10815A Ford Capri Mk3 3.0S, Peppermint Sea Green, 'Autocar Roadtest Car', RHD (UK) (Cor) (list £19.99) NEW BARGAIN £16
VA04116 Ford Cortina Mk2 1300 De Luxe, Manchester & Salford Police, Ford Demonstration Car (Cor) (list £24.99) NEW BARGAIN £20

NEW



VA11910A Ford Cortina Mk4, 2.0 Ghia, Jupiter Red, RHD (UK) (Cor) (list £19.99) NEW BARGAIN £16

NEW



VA09518 Ford Escort Mk1 1300E, Amber Gold (Cor) (list £19.99) NEW BARGAIN £16
VA11910B Ford Taunus TC2, 2.0 Ghia, Jupiter Red, LHD (Germany) (Cor) (list £19.99) NEW BARGAIN £16
VA10207 Leyland Princess 2, 2.0 HL, Snapdragon Yellow, '40th Anniversary' (Cor) (list £19.99) NEW BARGAIN £16
VA14202 Lotus Esprit S2, '1st Production Series 2', Championship Gold (Cor) (list £19.99) NEW BARGAIN £16
VA14002B Opel Omega 3000 GSI, Carmine Red, LHD, German Registration (Cor) NEW £19.99

NEW



VA12707B Peugeot 205 GTI 1.6, Modele Alpine blanche, Volant a gauche (Cor) (list £22.99) BARGAIN £12

VA14002A Vauxhall Carlton 3000 GSI, Carmine Red, RHD (Cor) NEW £19.99
VA14004A Vauxhall Carlton GSI 3000, Starmist Black, RHD (UK) (Cor) (list £19.99) NEW BARGAIN £16
VA13604A Volkswagen Golf Mk2 GTI 16V, Oak Green, RHD (UK) (Cor) (list £19.99) NEW BARGAIN £16

Commercial vehicles

43ASV005 Austin Seven Van Daniel Doncaster (Oxf) NEW £12.50
43WM005 Whitty Mondial Ice Cream Vines Ice (Oxf) NEW £12

G Scale

Train sets - analogue



90068 Thomas Annie & Clarabel train set (loco moving eyes) Thomas the Tank range (Bac) £199

Railway publications

L18444 LGB 2015 catalogue (LGB) NEW £4.99

Any or Multiple Scales

Analogue controllers



COMBI Combi 12v 1 Amp Single Track Controller Transformer (Gau) £30
DS Double power controller brake simulator (Gau) £119



D Double/Twin track power controller (Gau) £69



Q Quadruple 4 circuit power controller (Gau) £130

Analogue point control

CDU Capacitor Discharge Unit (Gau) £11
PCU1 Electronic points control unit (Gau) £90
PLS-100 SmartSwitch Set for 4 servo control & operation, switches, control board & digital readout for Analogue operation (Pec) £52
PL-15 Twin Microswitch (Pec) £7

DCC decoders

10311-02 2-function 2-sided 0.5/0.8A Silver mini decoder NEM651 plug (Len) £29
10310-02 2-function 2-sided 0.5/0.8A Silver mini wired decoder (Len) £29
10321-01 21-pin 4-function 1-sided 1.1A Silver decoder (Len) £25



DCR-8PIN-HarnessMini Box of 10 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) £99
DCR-8PIN-HarnessMini Single (Hat) £11
DCR-8PIN-HarnessMini Box of 5 (Hat) £50



DCR-8PIN-Harness Box of 10 8-pin (harness) 4-function 1.1Amp decoder back EMF (Hat) £94
DCR-8PIN-Harness Single (Hat) £10
DCR-8PIN-Harness Box of 5 (Hat) £48



36-553 8-pin 3-function 0.75A decoder back EMF (Bac) £15.50

DCC accessory decoders

DCD-AD8FX COBALT ip Accessory Decoder (8 Way) (DCC) £41
DCD-AD82FX COBALT Solenoid Accessory Decoder (2 Output) (DCC) £17
DCD-AD88FX COBALT Solenoid Accessory Decoder (8 Output) (DCC) £56

DCC controllers



50200 EcoS Command Station DCC controller full colour LCD touch screen & dual controllers motorised dials & easy CV (ESU) £509



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
DCC51 Prodigy Wireless Conversion Set (Gau) £200



60100 SET100 DCC amplifier and controller (Len) £260

Point motors

DCP-CB12IP Cobalt ip slow-action analogue point motor - pack of 12 (DCC) £146
DCP-CB1DIP Cobalt ip slow-action digital point motor * 1 (DCC) £17



DCP-CB12DIP Cobalt ip slow-action digital point motor - pack of 12 (DCC) £177
DCP-CB6DIP Cobalt ip slow-action digital point motor - pack of 6 (DCC) £94



DCP-CB12OMG Cobalt Omega slow-action analogue point motor x 12 (DCC) £135
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
PM10 Seep Classic solenoid point motor (Gau) NEW £6
BPPM10 Seep Classic solenoid point motor - Pack of 5 (Gau) NEW £26



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

Switches & Levers



PL-13 Accessory Switch for fitting to turnout motor PL10 (Pec) £3



DCP-CBS12 Cobalt S - Lever all accessories - unpainted x 12 (DCC) £165
PL-26B Passing Contact Switch - Black Lever (Pec) £5.50
PL-26R Passing Contact Switch - Red Lever (Pec) £5.50

Wheel sets

DCF-WS1214-OO 14mm wheelset pickup for OO (16.5mm) gauge x 12 (DCC) £29.95



JCS18L Cork Sheet - 1/8" Thick - 24" x 36" (Jav) £8

Railway publications

SYH25 Booklet - 'Shows You How' Series - Introducing DCC Sound (Pec) NEW £0.50
SYH24 Booklet - 'Shows You How' Series - Operating Points & Signals (Pec) NEW £1
PM-203 Your Guide to Modelling Narrow Gauge Railways (Pec) NEW £6.99

Tools

XU2175B Flexible track cutters (XURON) (Gau) £15



DCM-RR12 Rolling Road - Active Set - 12 Way - For OO, N, HO, TT Gauge (DCC) £95
DCM-RR46 Rolling Road - Active Set - 6 Way - For OO, N, HO, TT Gauge - See Description (ex DCP101) (DCC) £61

SOUTH TOWN

Set around a busy terminus on the Norfolk coast, **Chris Trafford's** one-man project recalls the halcyon post-war years when British Railways moved millions of holidaymakers every summer.

Having completed a small shunting layout in 2010, I wanted to build something where I could run passenger stock for my next project, and find space for a locomotive shed and a junction.

I had no particular location in mind, but having looked at some of the trackplans in Ian Bolger's books *Eastern and Midland Region steam motive power depots*, I decided that Yarmouth South Town could be a suitable starting point. It had a junction and a shed in close proximity and although it was too large to model in its entirety, I was fairly sure I had enough space to accommodate a condensed version. So, I set about drawing a full size track plan on the back of a roll of wallpaper.

Having thought initially that an 8ft viewable section would suffice, it rapidly expanded to 15ft and with the longest cassette in place it has a foot print of about 23ft. I also realised at this stage that the turntable at South Town wasn't going to fit and so main line locomotives are dispatched down the branch for turning in the dock area, where there's an appropriate triangle.

BUILDING BEGINS

The two central boards are permanently hinged for storage and safe transportation. To simplify the electrics I wanted to have all the points and signals situated solely on these boards. The platform board clamps to the central section at one end, as does the fiddleyard board at the other. The board with the station building on it is a separate unit.

Frames are made of planed 3in by 1in timber with a top of 6mm thick MDF. I can't cut wood in a straight line so the MDF tops and backscenes were cut to size at my local B&Q store. Before fixing the cross braces, I worked out where the Fulgurex point motors would need to be sited. I'd seen these used on Tony Wright's 'Little Bytham' (October 2014 *BRM*). They are nearly all

FACT FILE

SCALE/GAUGE
4mm:1ft OO finescale
DIMENSIONS
23ft by 20in
ERA
1950s
REGION/LOCATION
BR(E) Great Eastern Area,
Great Yarmouth
LAYOUT TYPE
Terminus to cassette fiddle
yard
POWER/CONTROL
12V DC analogue
PHOTOGRAPHS
Andy York

'Sandringham' No. 61601
Holkham sets off with the
2.25pm express to London
as a late-running secondary
service arrives from Ipswich
behind an elderly E4 2-4-0.







secondhand and although a bit noisy at times, they are robust and relatively easy to put right if they fail.

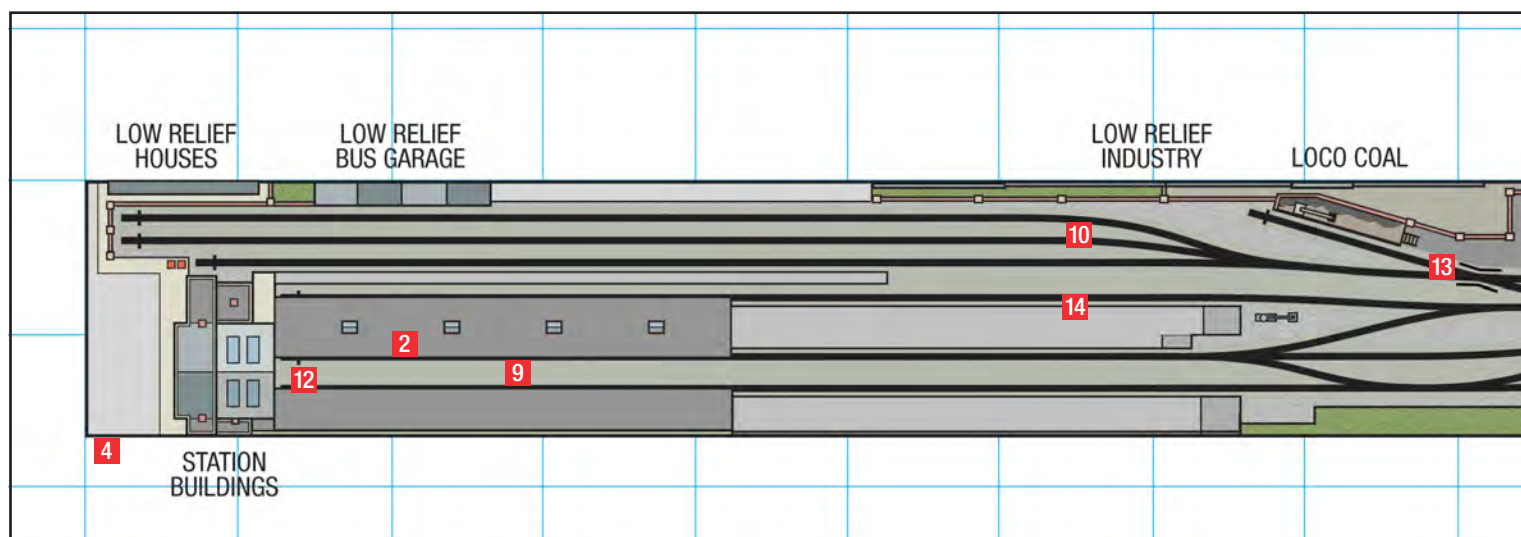
Plain track is SMP and the points are all handbuilt using copperclad sleepers and Code 75 rail. Until about six years ago, I'd never built a point, let alone a double slip, but someone had to build them for the club layout and I was 'volunteered'. I'd now quite happily have a go at just about any turnout.

Once all the points were built, the track was laid, point motors fitted, and the wiring completed. The layout is analogue; I'm still old school I'm afraid so

Having brought in the 7.59am from Ipswich, F6 No. 67239 makes its way towards the shed for servicing.

there's quite a bit of wiring. It is divided electrically into 11 separate sections. DPDT switches on the control panel allow each section to be switched between each of the three controllers, or isolated. In addition there are 26 other sections which can be individually isolated – this is quite useful for a terminus.

Once we had proved that the electrics and the track worked, the platforms were installed. Until about 18 months ago I'd never built a signal and probably never imagined that I would, but if you don't have a go, you'll never know what you can achieve. I would urge anyone





thinking about undertaking tasks they've never done before to at least try it, or look at what other modellers have achieved and just ask. At this stage I decided that the layout deserved point rodding and although it took nearly a month to do, I believe it was well worth the effort.

MAKING SCENERY

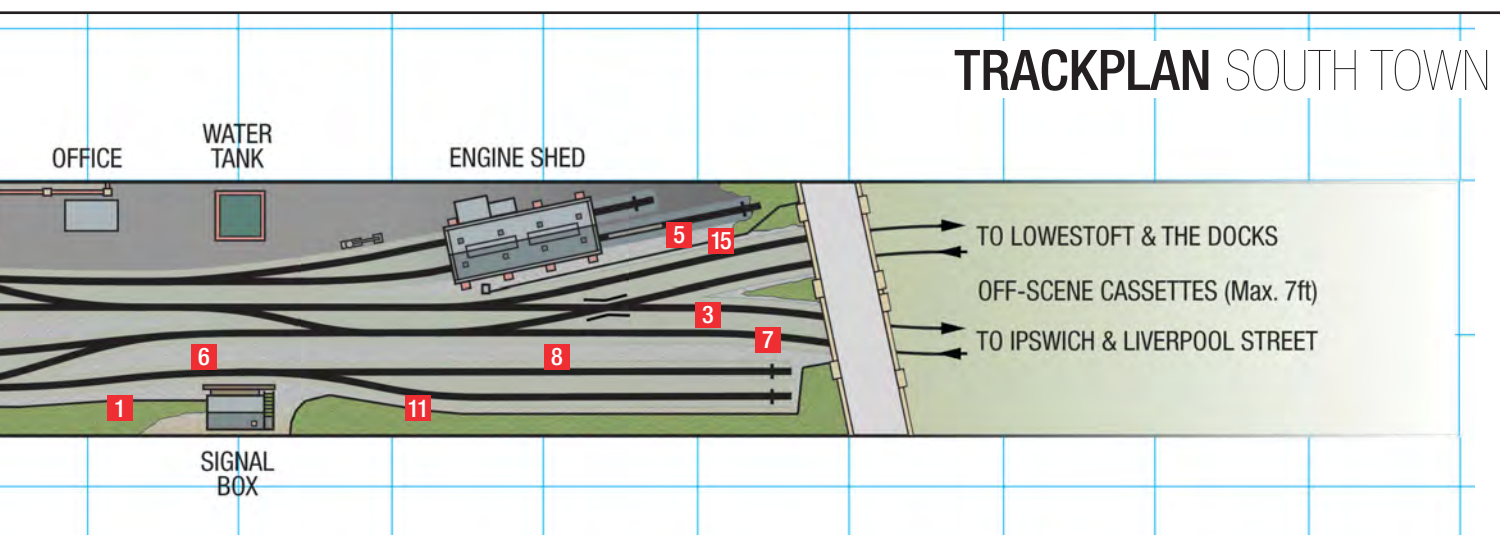
This is my least favourite part of layout building. Before 'South Town' I had built a few card kits but that was about the limit of my experience. Thanks to some useful advice and encouragement from Jeff at Bingham club,

A Derby Lightweight two-car diesel railcar departs from Platform 2 working an excursion.

I set about planning the three main structures; the locomotive shed with associated buildings, the 'end of scene' bridge and the station are all scratchbuilt.

The overbridge is based on a photograph of one at Aldeby. I had some images of the station building at Yarmouth as it was in the 1950s and decided that I would have a go at creating something with the same feel, albeit it not as large.

The basic structure of all the buildings - apart from the signalbox - is 2mm grey card onto which embossed plastic card has been bonded using solvent-free impact





ABOVE: Local buses wait on the station forecourt to take holidaymakers to nearby towns. Let's hope it's a nice day for those travelling on the open top AEC!

LEFT: A Derby Lightweight two-car DMU departs from Platform 2 working an excursion.

RIGHT: N7/3 No. 69708 leaves South Town with the evening parcels train. Note the detailed point rodding in the foreground and to the right of the locomotive.

adhesive. The buildings were initially brush-painted and then given final airbrushed overcoats to weather them down. The signalbox is essentially the Superquick kit slightly modified to make it better 'fit' the East Anglian scene. The 'box and water tower are both hollow so they fit over and hide the raised hinges which hold the two central boards together. The buildings are all removable for transportation.

I'm sure many readers will recognise the back scene, much of it being from the 'Townscene' range with some extra bits from old Biltzee sheets, all of this coming

from Freestone Model Accessories.

The last project was to construct the signals. All the signals controlling access to the station are off-scene so I only required a few semaphores to handle departures. They are all built using parts from MSE and D&S and operate using servos controlled by MERG boards. They were a bit tricky to set up but now operate well, the only problem being some voltage spiking from some open frame motors which caused two of the signals to operate whenever a locomotive got anywhere near it. After some research by my friend David, small suppressors were installed in the offending models and this has cured the problem.

ROLLING STOCK

One of the attractions of having a layout set in East Anglia in the 1950s is the wonderful variety of stock,

Until about 18 months ago I'd never built a signal and probably never imagined that I would, but if you don't have a go, you'll never know what you can achieve.

ask the expert

Q What's the best way to add decorative point control rodding to a layout?

A I was very impressed by some point rodding I saw on a layout at DEMU Showcase in Burton-on-Trent some years ago, so decided to include some as a feature on one of my own layouts. The time spent

was well worth it. Most of it is from Colin Waite's long discontinued etches but I ran out and used Brassmasters etches for the final run. Wills' SS89/90 point rodding kits also offer a great way to add this often-overlooked feature.





both locomotive and passenger. When I started 'South Town' Hornby hadn't even mentioned a J15 or a D16, so kit-built locomotives are much in evidence.

My coaches run in fixed rakes; intermediate couplings are a mixture but the end vehicles all have a Bachmann style coupling with a steel dropper attached which allows locomotives to drive into the platforms, remotely uncouple and pull forward to the buffers without the necessity of being manually uncoupled. Bar magnets are strategically placed at certain points under the track.

There are three five-coach sets of Thompson and Gresley stock for Liverpool Street express trains. At this time many services from London split at Beccles, usually with five coaches going to Yarmouth and a similar number to Lowestoft. These are usually handled by 4-6-0s and 'Britannias' although occasionally a D16 can substitute.

Local passenger trains are three-coach sets made up of ex-GE, ex-LNER and ex-LMS coaches, frequently but not exclusively hauled by E4 2-4-0s, J15 or J17 0-6-0s or N7 0-6-2Ts. There are also two pull-push sets, each with an auto-fitted F5 2-4-2T in charge. Most of the coaching stock is kit-built.

A 'Holiday Camp Special' occasionally arrives 'empty stock' having deposited happy holidaymakers at Gorleston-on-Sea. The B12 in charge is then sent off for turning and returns to take the set of coaches back to Gorleston to collect returning holidaymakers.

LEFT: J20 No. 64696 backs a train carrying Birds Eye insulated fish containers from the docks branch in to South Town for reversal.

RIGHT: One of the hand-built departure signals alongside the shed, controlling trains leaving the station and yard.

BELOW: A four-car excursion set formed of early Metro-Cammell and Derby Lightweight railcars arrives at South Town.

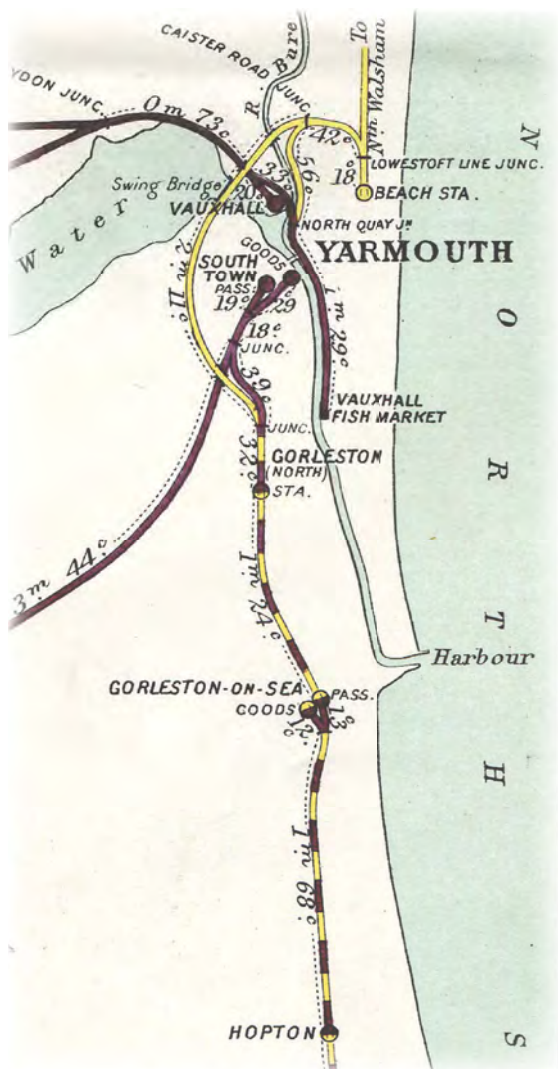


Building a layout on your own means you have to have a go at just about everything, and thereby accept that some elements of it might not be as good as others.

my favourite models

DMUs, or diesel railcars as they were originally known, were a fairly major part of the railway scene when I was growing up. For years they seemed to be largely ignored by ready-to-run manufacturers and unloved by most modellers. I remember the excitement of seeing the first advert in the modelling magazines for the DC Kits Metro-Cammell DMU kit. I placed the order almost immediately and around the same time found a secondhand MTK Swindon 'Inter-City' Class 123 four-car unit in a local model shop. Thus began my personal crusade to model as many of them as I could. The Wickham Class 109 two-car units were elusive both in real life and as kits, so having finally tracked some down, my favourites have to be the DMUs, especially the Wickham.





LEFT: A Railway Clearing House map of central Great Yarmouth showing the town's three stations and harbour branches.

RIGHT: Kit-built E4 2-4-0 No. 62797 brings the 6.18pm arrival from Beccles past South Town 'box, with an Ian Kirk Gresley coach in 1950s BR crimson/cream coupled at the head of the short train.

DMUs are represented by Wickham, Derby Lightweight and early Metro-Cammell two-car sets. Some goods movements occur between the goods yard and the docks which necessitate wagons being hauled in to the sidings adjacent to the station for running round and then out the way they came.

FINAL REFLECTIONS

In retrospect I wish I had done more research before I started the project, rather than part way through it. At the outset I had tried to get hold of some literature on Yarmouth South Town but found very little. It wasn't until the layout was 75% complete that I started to find some useful resources. In one of those, Peter Swinger's *On Great Eastern Lines*, there was a picture of Hunstanton in 1955 - a busy Norfolk coast terminus station full of summer holiday traffic. It seemed to epitomise the East Anglian scene in the 1950s which 'South Town' hopefully manages to re-create in 4mm scale.

There are still a few unmade kits which could feature on the layout, most notably a Coopercraft F3 with a D&S ex-GE pull-push set, an Ian Rice J68 0-6-0T and another Wickham DMU. As with any layout there's always something else that could be added, but maybe it's just time to sit back and enjoy it for what it is.

Building a layout on your own means you have to have a go at just about everything, and thereby accept that some elements of it might not be as good as others. This was certainly the case with 'South Town', but I now know I can construct buildings, build points and signals that work and next time, thanks to the help and support of my good friend David Page, even the electrical side of the layout will no longer seem as daunting a prospect. ■

ask the expert

Q With so many conflicting movements, how is the layout operated to keep visitors entertained at shows?

A 'South Town' has attended a couple of local exhibitions since its completion in early-2015 and has some invitations for 2016/17. We operate a timetabled sequence with some 70+ moves. It usually takes between two-and-a-half and three hours to complete and is derived from the Summer 1959 public timetable. This demands three operators. The main 'driver' is responsible for most of the arrivals and departures. Route setting, signal operation and train movements are all directed

by the man in charge on the control panel, who can also drive a bit if he has the time. Our third operator is responsible for ensuring that there are cassettes, either full or empty for timetabled trains. He, too, has the occasional chance to do some driving when the opportunity arises. At exhibitions it's always good to have a 'spare' operator. Talking to the viewing public is just as important as entertaining them but we're all getting older and multi-tasking isn't getting any easier.



10



MEET THE BUILDER

My name is Chris Trafford. Having grown up with the sound of the East Coast Main Line on my doorstep, I suppose it was inevitable that I would become a railway modeller. Shortly after moving to Nottingham in 1983 I joined Bingham Model Railway Club and have been an active member ever since. I was fortunate enough to be offered early retirement six years ago and determined that I would build my own exhibition layout set in the 1950s/60s - the era of my childhood. With the encouragement and support of many BMRC members, I have now completed two layouts. The third is already in my head!



12



13



14

ABOVE RIGHT: The 8.10am pull-push to Lowestoft disappears under the bridge, leaving the 8.35am to Liverpool Street simmering in Platform 3. Coupled behind the B17 is a kit-built ex-GER Composite coach, some of which survived into the late-1950s.

RIGHT: J20 No. 64696 sets off down the main line with a train of 'Conflats' loaded with insulated containers loaded with fresh fish.



15

5 REASONS TO SUBSCRIBE TO BRM

Subscribe to BRM for just £11.99 a quarter by direct debit and you save over £10.50 a year.



1 2 FREE ISSUES PER YEAR!
Subscribe this month and you save £10.50 – that's the equivalent to two free issues, with a bit of change thrown-in too!

2 13 FREE DVDS
Every issue of BRM now comes with a FREE DVD. Watch great layouts, hear the trains and see our experts help improve your modelling.

3 A NEW ISSUE OF BRM EVERY 4 WEEKS
BRM is now published every four weeks, which means if you subscribe you'll get 13 issues of BRM each year

4 FREE UK DELIVERY DIRECT TO YOUR DOOR
A subscription means your copy of BRM will be delivered direct to your door every four weeks!

5 SAVE MONEY ON TICKETS TO OUR THREE SHOWS
All BRM subscribers can save money on advanced tickets to our three leading model railway exhibitions.



Call our hotline and quote BRM/JAN16

01778 392002

(please have your bank details to hand)



Order securely online at **www.model-railways-live.co.uk**

Closing date: February 15, 2016

*UK-only subscription. Check www.model-railways-live.co.uk for European and Rest of World subscription rates.



POINT MOTOR

Effective point motor operation is vital to any layout. **Phil Parker** shows how he's equipped the points on 'Ruston Quays'.

As there are only two motorised points in the yard on 'Ruston Quays', I'm fitting some quality Cobalt point motors from DCCconcepts. These are slow-action units using motors and gears, unlike the solenoid motors sold by Peco and Hornby. If you watch a set of real points change, the process takes a few seconds. The motorised throw of the Cobalt units allows us to replicate this. It's also gentler on the track than the sudden change from a solenoid unit.

The Cobalt units have built-in electric switches, which are handy and reliable as I'll make the motor change the polarity of the frog rather than rely on the contact of the point blades. If we want to add lights on the control panel to show the route, it's another future option.

Aside from the cost, one downside with this sort of motor is its size. You need at least 7.5cm depth under your baseboards to accommodate them - ideally 8cm or more to avoid the risk of snagging the wiring.

I'll operate the points from DCCconcepts Cobalt S point levers. They look and operate just like the

real thing - squeeze the little lever that operates the catch, then push it across. Although the trains are DCC equipped, the point switches aren't. They are wired to operate either solenoid motors, requiring a pulse of electricity, or slow-action point motors that require a continuous supply of electricity. **BRM**

PHIL'S EXPERT TIP

When putting wires into the Cobalt motors, unless you have very thin fingers, use a small screwdriver to push open the catches on the electrical connections.

STEP-BY-STEP GUIDE

1



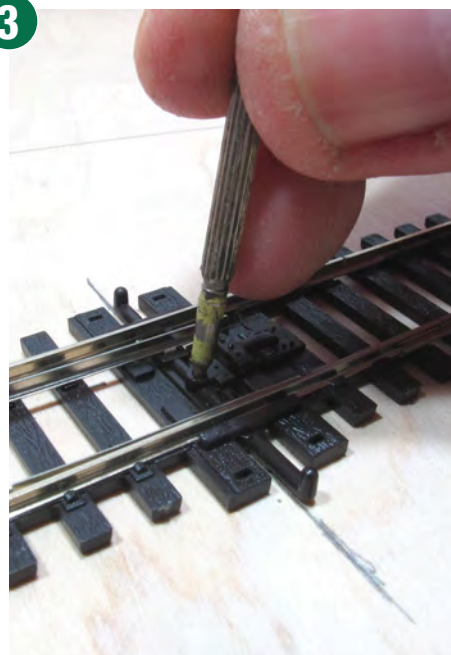
The first job is to make a hole for the operating wire to poke through the baseboard. With the point in position, I mark the ends of the tiebar (the long line) and the insides of each rail (short lines). These are then joined up to show where I'm making a hole.

2

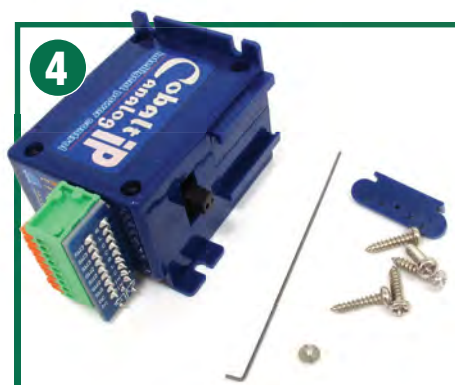


The smaller the hole, the neater the finished job will be. Instead of drilling something huge, I'm making a slot by drilling a series of 3mm holes and joining them up - a drill saw bit is perfect for this. If using a conventional bit, waggle it from side to side gently to join the holes. Finish with a file or coarse sandpaper.

3



Putting the point back in position, I'm making sure it can be operated with a wire or thin screwdriver through the hole in the tie-bar. If it touches the sides of the hole, I'll sand a little more away. Point motors are strong, but avoid unnecessary friction from operating wires rubbing on the sides of the holes.



4 Cobalt motors are supplied requiring assembly, although this is nothing more than fitting the operating wire. A self-adhesive pad attaches to the top of the motor and large screws, including a spare, fix it to the bottom of the baseboard.



7 Peco points are fitted with an over-centre spring to lock them in place. Because of this the blades fly over, defeating the benefits of a slow-action motor. I'm removing the spring by prising the cover from the tiebar and lifting it out with tweezers. The cover can then be replaced and the retaining clips bent back into place.



5 The wire pokes through a plastic pivot which can be slid up and down to reduce or increase the throw. In the middle of the casing is a join which represents the centre of the motor throw. I'm not gluing the pivot in place, friction is enough to hold it and will allow adjustment later if necessary.



6 Looking up from underneath the baseboard, I can mark the two positions of the hole in the tiebar. The motor should be screwed to the baseboard with the centreline half way between these. The pivot allows the switching to be off-centre a little, but the closer you can get it, the less strain on the mechanical parts.



8 The operating wire is deliberately supplied too long and needs to be cut back close to the tiebar so that rolling stock doesn't catch on it. It's very tough so I'm using some strong cutters. Wear eye protection as the wire will fly off.



9 The control panel shelf is made from offcuts of 9mm plywood from my local hardware store. The dimensions aren't critical. This one is 60cm wide and 16cm deep. It needs space for the controller, point levers, a small diagram and a mug of tea.



10 The levers are fitted at the back of the panel and wired underneath with connections made through a multiway plug. A plastic card panel holds the buttons to operate the electronic uncouplers. The lines used are from a car accessory store. The old H&M Clipper controller will soon be replaced with something 50 years younger.



I'm testing the points with a basic controller and the simplest locomotive, in this case one from the Bachmann 'juniors' range which I had to hand. I avoid testing with an expensive model as it's easy to damage the detail.

THE VERDICT

This is my first layout fitted with slow action point motors. Everything has gone together really well and they are easy to fit. If you'd like to try the point motors for yourself, visit the BRM stand at Doncaster show on February 13/14.



RUSTON &

WHAT YOU NEED

ARC MODELS

■ RS&H 18" 0-6-0t kit - £3700
(Search 'ARC Models' on Facebook)

GOLDEN VALLEY HOBBIES

■ Taff Vale 0-6-0T - £49.99
www.goldenvalleyhobbies.com

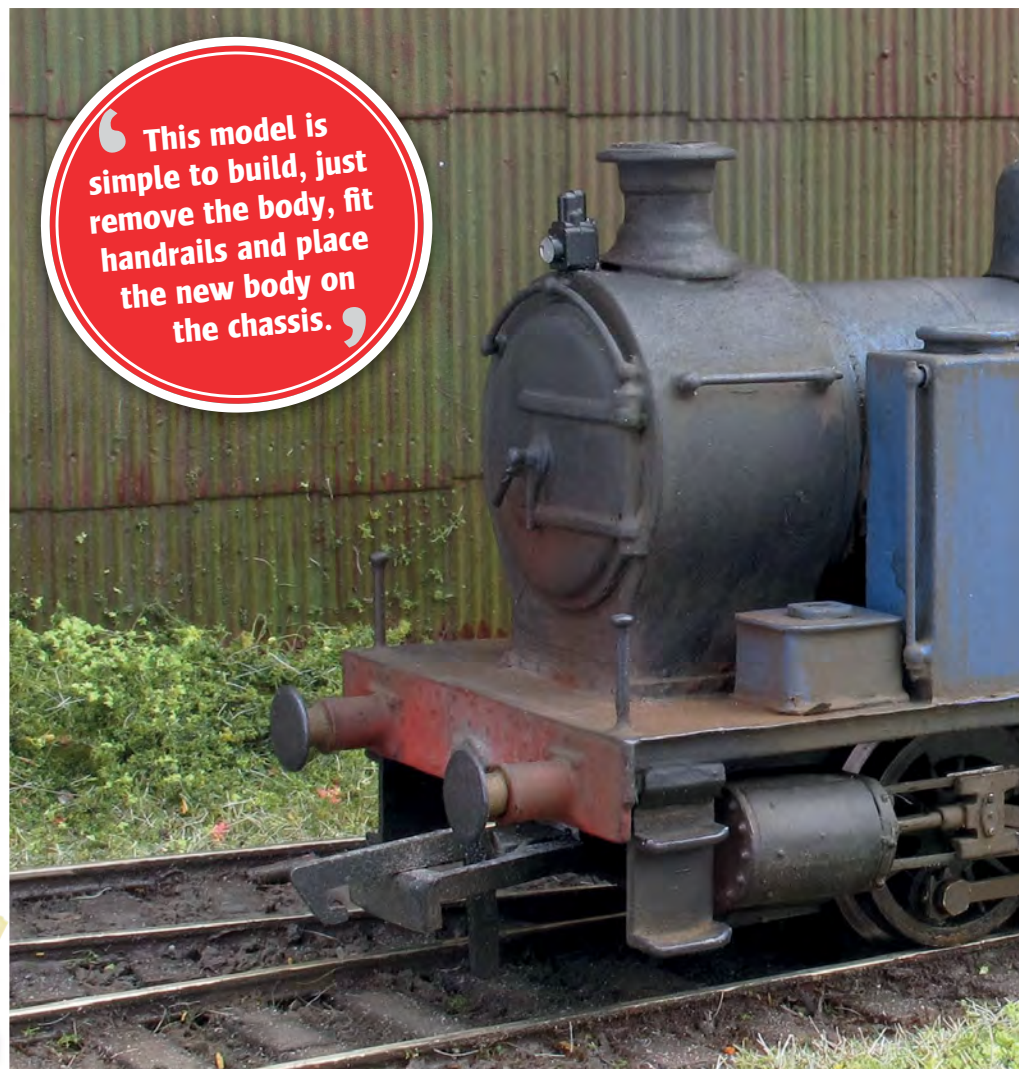
247 DEVELOPMENTS

■ Rosspop valves - £3.35
■ LSWR Whistle - £3.00
www.247developments.co.uk

EILIEENS EMPORIUM

■ Short handrail knobs (LF4HRK3) - £3.50
■ Smokebox Parts (LF4SB01) - £2.50
■ 0.45mm brass wire, 10 lengths (BSW045A) - £3.00
www.eileensemporium.com
■ Craft knife ■ Tweezers
■ Abrasive sticks ■ Pin vice
■ 0.6, 0.7 and 2mm dia. drill bits ■
Soldering iron (not essential)
■ Superglue

This model is simple to build, just remove the body, fit handrails and place the new body on the chassis.



STEP-BY-STEP GUIDE

1



There aren't many parts in the ARC Models kit. A resin body, steps, chimney, cab roof, back and sandboxes. Plastic buffers are included. Even without instructions, it's not difficult to work out where everything goes.

2



The builder has to supply handrail knobs and wire, smokebox door handles, a whistle and safety valves.

3



I'm taking the drive mechanism from this Electrotren 0-6-0 saddle tank. Buying the version sold as a Taff Vale tank ensures that a tension lock coupling is fitted from the box.

HORNSBY 0-6-0T



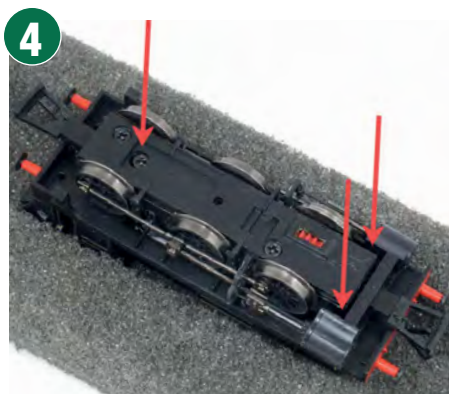
Phil Parker builds a resin kit of an industrial tank designed to fit on a reliable RTR chassis.

If you look at the results from polls that ask which locomotives RTR manufacturers should make, plenty of modellers are asking for industrial steam. Despite the enthusiasm from potential buyers, until Hornby announced its Peckett 0-4-0ST recently, manufacturers haven't been enthusiastic. The problem boils down to a simple question - which locomotive to produce?

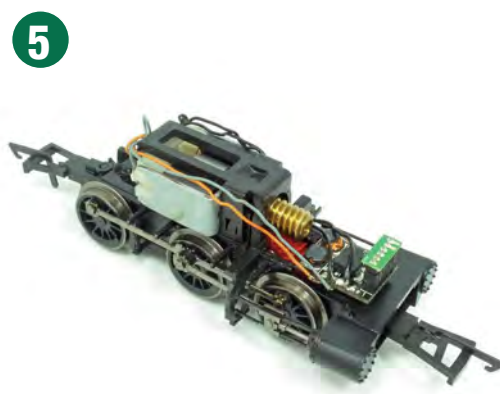
There are so many from which to choose - Britain was home to dozens of firms constructing small steam locomotives for industrial concerns, both here and around the world. To cater for the needs of the modeller, a number of cottage industries have sprung up offering all sorts of models in kit form for 4mm and 7mm scales in particular. All you need is a soldering iron, bags of confidence and a little skill. Many people get stuck at this early stage, so where do kit beginners start?

One option are the kits from Arc Models. Its resin bodies are powered by RTR donor chassis and if you can unscrew the plastic shell and replace it with the resin version; you're guaranteed a locomotive that works reliably.

I've chosen the Ruston and Hornsby 0-6-0T, which makes use of the very sweetly running Electrotren chassis. It's a typical chunky dockside locomotive with a short wheelbase to cope with sharp curves, but heavy for maximum tractive effort. **BRM**



The body is removed by three screws, two of which are behind the cylinders. Try not to remove the baseplate or stretch its wires when pulling back the insulation.



The chassis is DCC ready with a six pin in-line plug. The flanges are big, but the double reduction gears and two pickups per wheel make it a very sweet runner.



Some careful cleaning is required to remove flash in the doorways and windows, otherwise the body is very clean. I'm removing it with a sharp scalpel.

PRACTICAL BRM



TOP TIP

The resin body might be little light, but there is plenty of space in the tanks either side of the motor to put some lead.

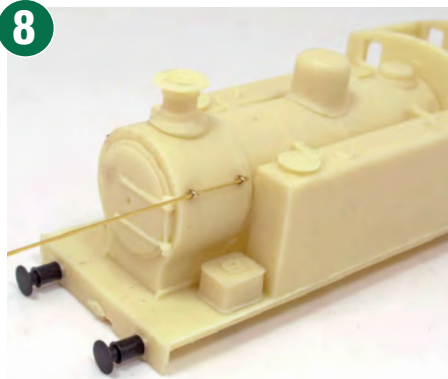
STEP-BY-STEP GUIDE

7



Holes slightly smaller than the fixing screws (2mm at the back, 0.6mm at the front) are drilled in the body. The screws can then be inserted. The resin is soft enough that the threads will cut when you screw them in.

8



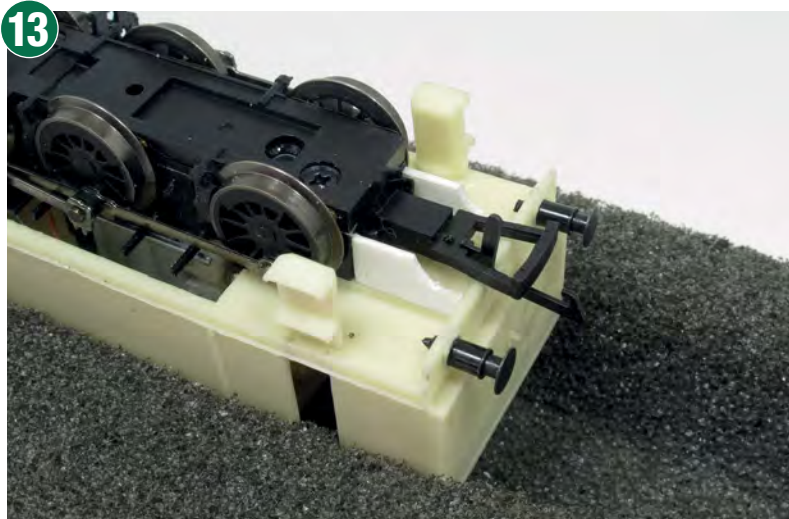
Moulded dimples provide the positions for handrail knobs. I'm drilling these to add the short handrail knobs and threading some 0.45mm brass wire through. When happy, a few drops of runny superglue fix everything before the wire is cut to length.

12



I haven't fitted cab handrails. They should be in-line with the sides and very difficult to fit both securely and neatly, nobody will notice. The back of the chassis appears empty when you look at the side of the model, so I need to do something about this.

13



I'm gluing some plastic chassis extensions to the underside of the body, taking care not to fix the chassis down as well. I'm guessing the shape, but rectangles with curved cut-outs look right.

PAINTING YOUR LOCOMOTIVE

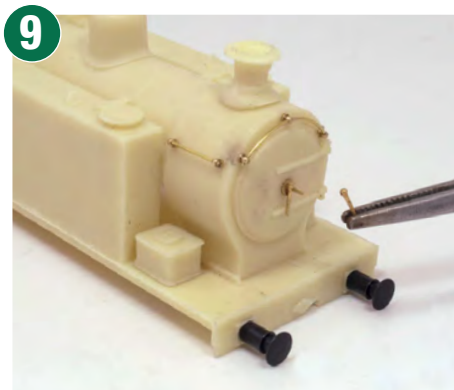


1

A spray of car primer prepares the body for paint and highlights areas that require filling. Once happy, the body is sprayed blue and the black parts are hand painted.

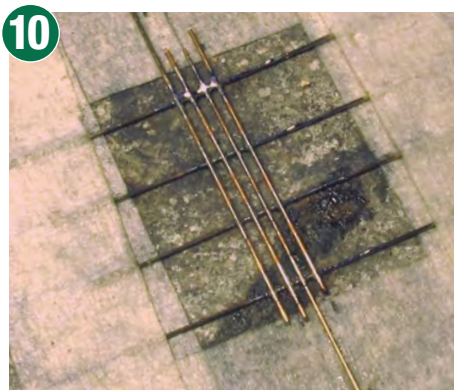


I'm painting this locomotive in a fictitious livery. We'll see plenty of BR green motive power on 'Ruston Quays', so I've chosen a nice bright blue. The fictitious company needs a name and by taking ideas from the likes of 'Port of London Authority' or 'Mersey Docks & Harbour Board', I've decided that 'Ruston Quays' is operated by the 'Barrow Union Docks Committee', shortened to BUDC. Since the livery is fictitious, I took the opportunity to use up some old transfers for the letters. If you don't have anything suitable, most transfer makers have alphabets, or you could use rub-down letters from a stationers.



9

Drill a hole in the middle of the smokebox and fit the centre of the hands, followed by the handles. More superglue fixes these in position, before trimming them to length if required. Some locomotives had a single lever and wheel - a casting for this variant might be necessary.



10

Protective gratings over the rear windows are moulded as part of the body but I feel they look a bit flat. I'm making replacements from brass handrail wire. The dimensions are drawn up as a guide on some cardboard before soldering starts.



11

An alternative method of making these parts is to drill a series of tiny holes in the cab rear, then insert some bent wire. Doing this evenly is harder than making them away from the locomotive in my opinion.



14



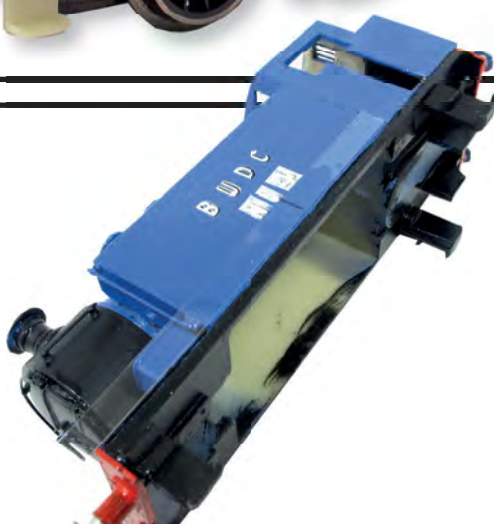
15

Left Finally, the front steps and sandboxes are glued into place. I'm leaving the cab roof loose at this stage.

Above Before painting, I'm scrubbing the model in soapy water, followed by a good rinse to remove grease and mould release.

2

Placing the waterslide transfers is made easier if you cut a piece of clear plastic to show the bottom edge of the letters. The main colour is gloss to assist the letters to sit properly without showing transfer film around the edges.



3



A quick coat of Testors Dullcote matt varnish protects the transfers and dulls the shiny paintwork down to a more realistic finish.

4



The cylinders are shiny but rather than mask everything on the chassis, I hand painted them with matt varnish.

5



Before weathering, I'm reassembling the locomotive. Some WD-40 is applied to the wheel treads with a cotton bud to stop the paint sticking when I spray it.

PRACTICAL BRM



Industrial locomotives work hard and are usually covered in dirt. My weathering method is pretty simple - spray well thinned paint over the model. Colours are earth for the lower areas, weathered black for the upper ones and dark brown all over. If you don't have an airbrush, the same effect can be achieved by applying washes by brush with plenty of weathering powders.



A really filthy machine. Work could stop at this stage, but I decided to take the process further still.



Surfaces that wear such as steps and handrails are picked out with a dry brush of gunmetal paint. The slightly shiny paint contrasts nicely with the dirty model. Don't overdo the effect - subtlety is the key.

SIMPLE WEATHERING



I like to position models on a box when spraying to bring them to a comfortable height. It's important to spray from below the model to represent dirt thrown up from the ground.



Before the paint has hardened, a stiff brush damp with thinners removes most of the weathering. Working downwards as though the dirt has been washed away in the rain, the colour remains in nooks and crannies.



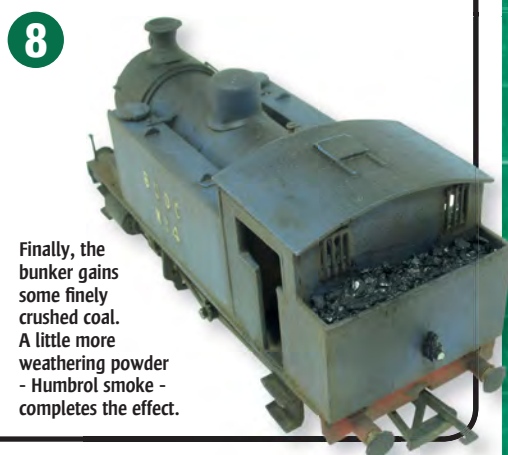
Weathering powders not only simulate dirt, they provide some authentic texture as well. I'm using Lifecolor pigment powder at the bottom of the smokebox door, around the bufferbeams and cylinder fronts.



While working, I'm turning the wheels occasionally or there'll be clean areas behind the rods and spokes. A 9V PP3 battery is handier than a 12V supply when in the booth. The wheels only need to rotate quarter of a turn to avoid problems.



Another quick blast in the spray booth and the locomotive now looks as though it's been cleaned, but dirt is returning.



Finally, the bunker gains some finely crushed coal. A little more weathering powder - Humbrol smoke - completes the effect.

CONCLUSION

If you're looking to develop your modelling techniques, I'd heartily recommend this kit. Whilst being simple, there's some work to do adding handrails, a smokebox dart and painting it. Once complete though, you'll have the satisfaction of a model you've built and something different.

Maybe the results aren't perfect - some compromises have been made to fit the chassis - but having shown the model to visitors at The National Festival of Railway Modelling in Peterborough a couple of months ago, everyone agreed that it looks good. If you want perfection, then the etched kit market is waiting for you, but for many, this kit will fill that industrial-sized hole in the locomotive stud. **BRM**



THE NORTH'S PREMIER MODEL RAILWAY SHOW

APETHORNE JUNCTION - O GAUGE



WHEN, WHERE & HOW MUCH?

OPENING TIMES: SATURDAY 10:00 - 17:00 • SUNDAY 10:00 - 16:30

VENUE: DONCASTER RACECOURSE, DONCASTER, DN2 6BB

TICKET PRICE: ADULT: £9.00 | CHILDREN: £4.50 (5-16YRS)

NORTH OF ENGLAND LINE - N GAUGE



HEYSIDE - O GAUGE



30 MUST-SEE LAYOUTS
RMweb THEATRE
80+ QUALITY TRADERS

**YOUR CHANCE TO SEE THE FANTASTIC
LAYOUTS FROM A RANGE OF
GAUGES INCLUDING...**

WALFORD & SCRUBBS LANE - CLARENDON - P4 GAUGE
HAZELBANK - OO GAUGE
HOLLOWBECK SHED - O GAUGE
APETHORNE JUNCTION - O GAUGE
DUNKOW ROAD - N GAUGE

PLUS MANY MORE...

Presented By:



BOOK IN ADVANCE TO RECEIVE:

UP TO £2.00 OFF, A FREE SHOWGUIDE & 30MINS EARLY ENTRY

ON THE DOOR: £9.00 | IN ADVANCE: £8.00 | BRM SUBSCRIBERS: £7.00



MODEL-RAILWAY-SHOWS.CO.UK



0844 581 0816

T&CS: *FEE APPLIES FOR POSTAL TICKETS. E-TICKETS ARE FREE OF CHARGE. BRM SUBSCRIBER DISCOUNT APPLIES TO ADVANCED BOOKING ONLY



HOW TO BUILD...

YOUR FREE CARD KIT

PART 1

Download your
free 2mm, 4mm or
7mm scale kits at:
[www.modelrailway
scenery.com/
brm](http://www.modelrailway
scenery.com/brm)

The finished building requires an area of 220mm x 82mm.
We've included signs for different businesses that can operate the
building if no longer in railway use with in next month's issue.

Phil Parker

guides us through the
assembly of this month's free card
kit, the first in a series of four kits that you
can build into an impressive diorama.

WHAT YOU NEED

- Sharp craft knife & spare blades
- Steel rule ■ Cutting mat
- Grey and brown felt tip pens
- Glue stick ■ Solvent glue



We've designed this station office kit to be suitable for as many layouts as possible. If you're not a steam-era modeller, you can still use it. It could be transformed into the offices for a scrapyard or a tea room, with signs for both coming in a future issue.

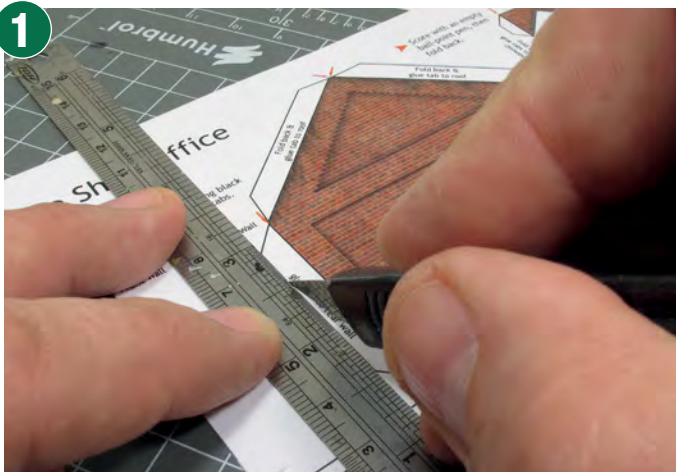
Hopefully you'll find it easy to build and we've tried to keep the assembly simple. All the instructions are on the pages with the kit parts.

A model building is simply a box. How complicated you make that box is your choice. If you want, you could open up the window panes on the kit and glaze them with some clear plastic scavenged from old packing. You might also want to cut out the recessed brickwork and set it back with more card to give the model more depth.

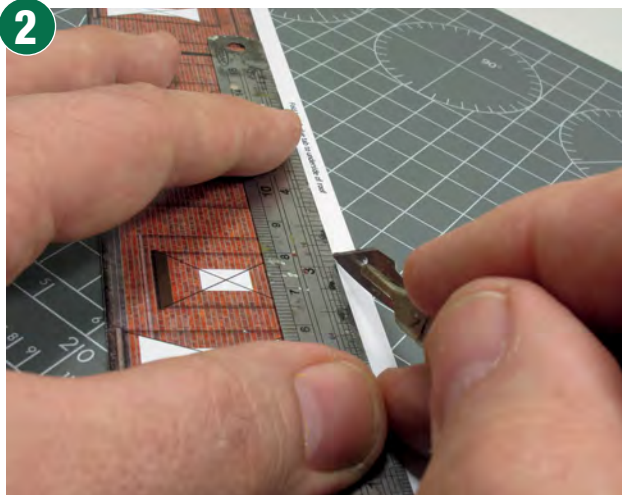
If this is at the back of a layout you could cut the sides in half and only use part of the roof, turning it into two half-relief models. The choices are limited only by your imagination. **BRM**

STEP-BY-STEP GUIDE

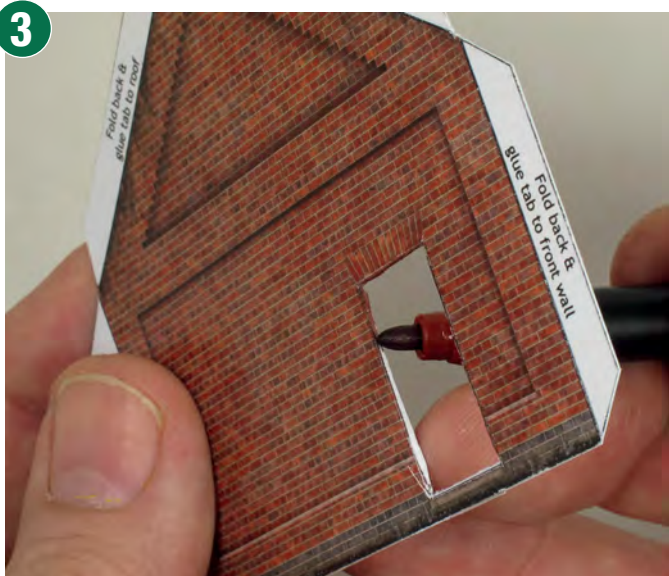
WE'D LOVE TO SEE PICTURES OF YOUR FINISHED KITS. Send photographs to brm@warnersgroup.co.uk for a chance to win a prize bundle worth £200!



Cutting card is easy, use a sharp blade and work against a steel rule, but keep your fingers away. Don't try to cut through in a single action, use two or three strokes. If you push too hard, the card can bend either side of the cut. Change the blade when it loses its edge - I went through three just building this kit.



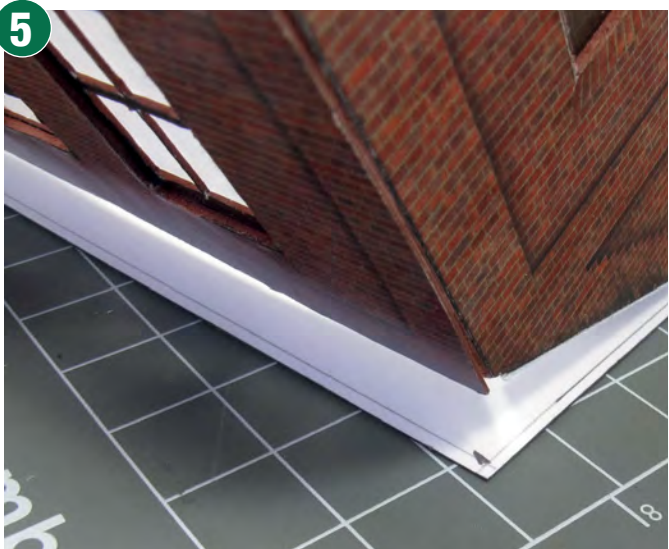
For parts to be folded, gently score a line with the knife first for a neat result. A blunt blade is a good idea, just to break the top surface. If the blade is fresh, use the back of it as shown here so you don't cut too deeply.



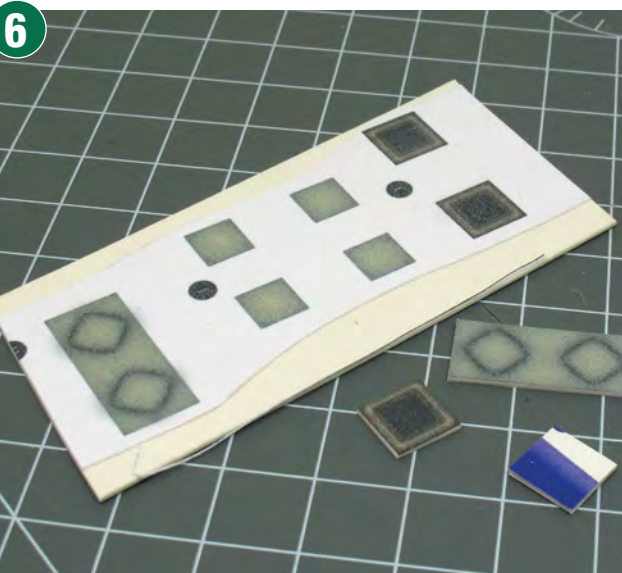
Where the card is cut or folded, white material will show through. Colour it with either a brown or grey felt tip pen. An exact colour match isn't required, anything looks better than white and eyes are surprisingly forgiving over slight differences.



To strengthen the walls, formers are included to fit inside. If you want an even stronger model, stick the formers to cereal packet card using a stick of glue. Sandwiching them while they dry in a pile of old magazines stops them from curling when drying.



Sticking the roof in place is made a lot easier if you measure and mark a line on the inside of the part to show where the walls should fit. There is an overhang of around 2mm all round. Colouring this with a felt tip would be a good idea.



All flat chimney parts should be stuck to cereal packet card, then cut out. Don't do this for stacks that are folded into square tubes.

PRACTICAL BRM

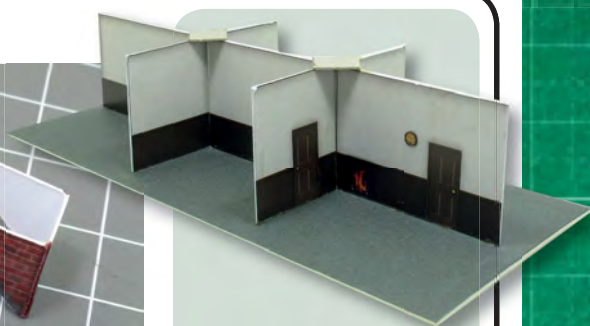


STEP-BY-STEP GUIDE

7



Chimney parts ready for assembly. Don't forget to colour the scored lines and edges.



Next month on...

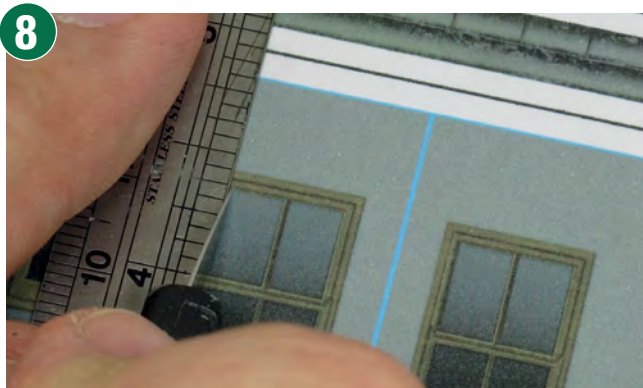
BRM TV

We show you how to easily detail the interior and add lights.



LOOK OUT for Phil's card building tips on this month's DVD.

8



The kit windows are printed. More advanced modellers might like to cut them out. To avoid cutting into the frame, I'm doing this in eight cuts, starting from each corner and finishing half way along.

9



The printed windows are on the left, the windows I'm glazing with clear plastic on the right. It's up to you if this improves the look. You'll be able to see the interior, but the central glazing bars are only 1mm wide, so you'll need a steady hand.

TOP TIP

Solvent based glues work best when sticking printed parts together. PVA glues don't soak in and won't provide a good join on this card model.

COMPLETED MODEL

We'll be adding to the model over the next few months. As you might expect, the back of the building is plainer than the front, but still has some windows to break up the otherwise plain brick wall.



THE NATIONAL COLLECTION IN MINIATURE SERIES

Limited Edition Class 43 HST 'Harry Patch' Train Pack.



**Limited Edition
of 500 packs**
Includes signed and
numbered certificate



Now available for immediate despatch!



AVAILABLE EXCLUSIVELY FROM:
www.locomotionmodels.com the NRM's on-line model shop
or the Locomotion museum shop in Shildon **Tel: 01388 771413**

THE NATIONAL COLLECTION IN MINIATURE SERIES

Bachmann Exclusive Edition based on the NRM's "Ivatt" large Atlantic locomotive.



FOUR VARIANTS AVAILABLE:

- BR No. 62822 (black weathered)
- BR No. 62822 (black pristine)
- GNR No. 251 (preserved)
- LNER No. 3251 (Apple Green)



Now available for immediate despatch!



AVAILABLE EXCLUSIVELY FROM:
www.locomotionmodels.com the NRM's on-line model shop
or the Locomotion museum shop in Shildon **Tel: 01388 771413**

PEAFORE YARD

Combining main line and goods yard operations in a small area is a tough task, but Bristolian **Rob Owst** managed it successfully with this gritty slice of his home city in the late-1970s.

One of the most satisfying aspects of building a new layout is trying out new skills and techniques, challenging myself to try something previously considered as 'too difficult'. A long term fixture on my list had been building my own track.

I noticed that the layouts drawing my attention at shows were those with hand-made track. In my eyes its appearance turned a good layout into a great one.

Searching for inspiration for a design that would meet my requirements (see p54), I came upon some 1970s photographs of Avon Street Yard in my home city of Bristol. This was located in the shadow of the raised viaduct to the north-east of Temple Meads station. Located at the end of a branch from the main line at Lawrence Hill, the line was operated by Class 03s in later years due to a weight restriction. Traffic was cement in 'Presflo' wagons, molasses tankers and scrap from Habgood's yard.

The clincher was a photograph of a weatherbeaten 03382 on Avon Street level crossing, traffic being held by pilotmen with flags while a Class 08 shunted Mk 1s on the line above. It just cried out to be modelled.

While the layout is not an exact reproduction, a number of real structures, vehicles and cameos that I encountered in my research have been reproduced. Nothing remains of the yard now, the area being completely redeveloped as trendy dockside apartments - a far cry from the gritty, industrial area of the 1970s.

I chose to set the layout in 1977 as I wanted to reuse the stock from my last layout and I think it's a very interesting period in BR history.

GETTING STARTED

I decided early on that I wouldn't be able to model the exact trackplan and went instead for my own design. For operational interest I wanted to model part of the main line station at a higher level. It would be independent of the lower level yard to enable two trains to operate at the same time if required.

I settled on a baseboard length of 4ft by 2ft as it would fit easily in most mid-sized hatchback cars. I tried various ideas before settling on the current design and decided to lay the tracks curving along the length of the layout, both for aesthetic and practical reasons - the curves extend the length of the sidings. Points were set out to avoid reverse crossovers and any potential buffer-locking issues.

I applied some modellers' license and although the real Avon Street branch joined the main line to the north,

FACT FILE

SCALE/GAUGE

4mm:1ft scale, 16.5mm

gauge OO

DIMENSIONS

4ft by 2ft (plus 4ft fiddleyard)

ERA

1977

REGION/LOCATION

Western Region, Bristol

LAYOUT TYPE

Split-level end-to-end

POWER/CONTROL

12V DC analogue

PHOTOGRAPHS

Andy York

incoming trains here arrive from the opposite direction. This arrangement was dictated by wanting both track levels to use the same fiddleyard.

I was determined to learn from the experience of my previous layout, 'Pallet Lane', re-using ideas that worked well, and improving in other areas. As I wanted a layout that could quickly be assembled, I designed it with integral lights and control panel to reduce the number of boxes/items to be carried.

The legs are 2in by 1in timber, with one set of legs having castors mounted on the side. When the layout is packed up, the legs are laid horizontally and the layout stacked on top, enabling the ensemble to be wheeled out to the car in one go - where ramp access allows!

For the fiddleyard, I used cassettes as an experiment to save space. All of my previous fiddleyards had been a ladder of sidings. The cassettes work well in operation, but the trains are short and the longest is just under 3ft.

Electrics are not my strongest skill and are kept simple; the layout is DC operated via a Gaugemaster handheld feedback controller, although the layout is wired to allow DCC operation in the future. Each level is wired independently with the control panel hidden behind a large removable building.

BUILDINGS & SCENERY

The advent of ready-to-place (RTP) structures has been a positive development in many ways but in my view has encouraged 'Pay and Display' modelling where the same building appears on numerous layouts. I was determined that I would use kits or scratchbuild wherever possible and if I did use RTP buildings they would be modified.

All buildings here are based on those seen in and around Avon Street. The black building to the front right corner belonged to the Redscraft scaffolding company and is a slimmed-down replica, its size making it ideal to conceal the control panel and partially screen the fiddleyard exit.

I built the viaduct using Wills stone arches and Vari-Girder for the bridge over the culvert. I scratchbuilt windows and doors for the scrapyards office and storage units under the arches. The scrapyards are based on Habgood's and in

RIGHT: Inspired by elements of the area around Bristol Temple Meads, this tiny layout is really packed with authentic period detail.

Nothing remains of the yard now, the area being completely redeveloped as trendy dockside apartments - a far cry from the gritty, industrialised area to be found there in the 1970s.





reality was located between the main line and the Redscarf building, but has been moved it to the other end of the layout to fit in. Habgood's ceased to send scrap out by rail by 1977 but I decided that to add operational interest I would stretch reality a little, especially as its trains were only four or five wagons long.

The cement terminal is a smaller version of Avon Street with a maximum capacity of five wagons, although this is prototypical as trains were split at Lawrence Hill before working down the branch. The silo is the only RTP structure - it's a heavily modified Hornby item with added platework and new ladders/walkways. A scratchbuilt control/pump building was based on one at Exeter as I couldn't find any clear images of the Avon Street building.

In the middle of the layout is a culvert, which adds depth to the layout on an otherwise flat baseboard. I used Woodland Scenics ready-mixed 'Realistic Water'; like many elements of the layout this was a first for me although in hindsight I wish I had placed the culvert at an angle rather than square on to the board edge.

The backscene is made from images of Bristol taken in 1977, resized and repositioned to suit. Photographs are often fine for representing a skyline/horizon but it can be difficult to get foreground shots at the right angle. To get around this a train is placed at the back of the layout, held at a signal to form the lower part of the backscene. In some ways it's a dynamic scene as the rolling stock changes from show to show. I claim no credit for the idea, having seen it used to great effect on Mike Anson's layout 'Western Road'.

ABOVE: One of the layout's two Bachmann Class 03s shunts the yard as Cardiff Canton's 47077 *North Star* heads a main line train out of the station.

I ask the expert

Q How did you go about building your own track for the first time, and what products did you use?

A I researched myriad options but settled on C&L 'Point In A Bag' kits. These have the advantage of pre-assembled crossing vees and switch blades, saving me from two of the jobs about which I was most apprehensive. I constructed the points off the layout to the template, enabling them to be thoroughly tested before installation. It was with some trepidation that they were secured and

a few hours later the first locomotive ran through with no major problems.

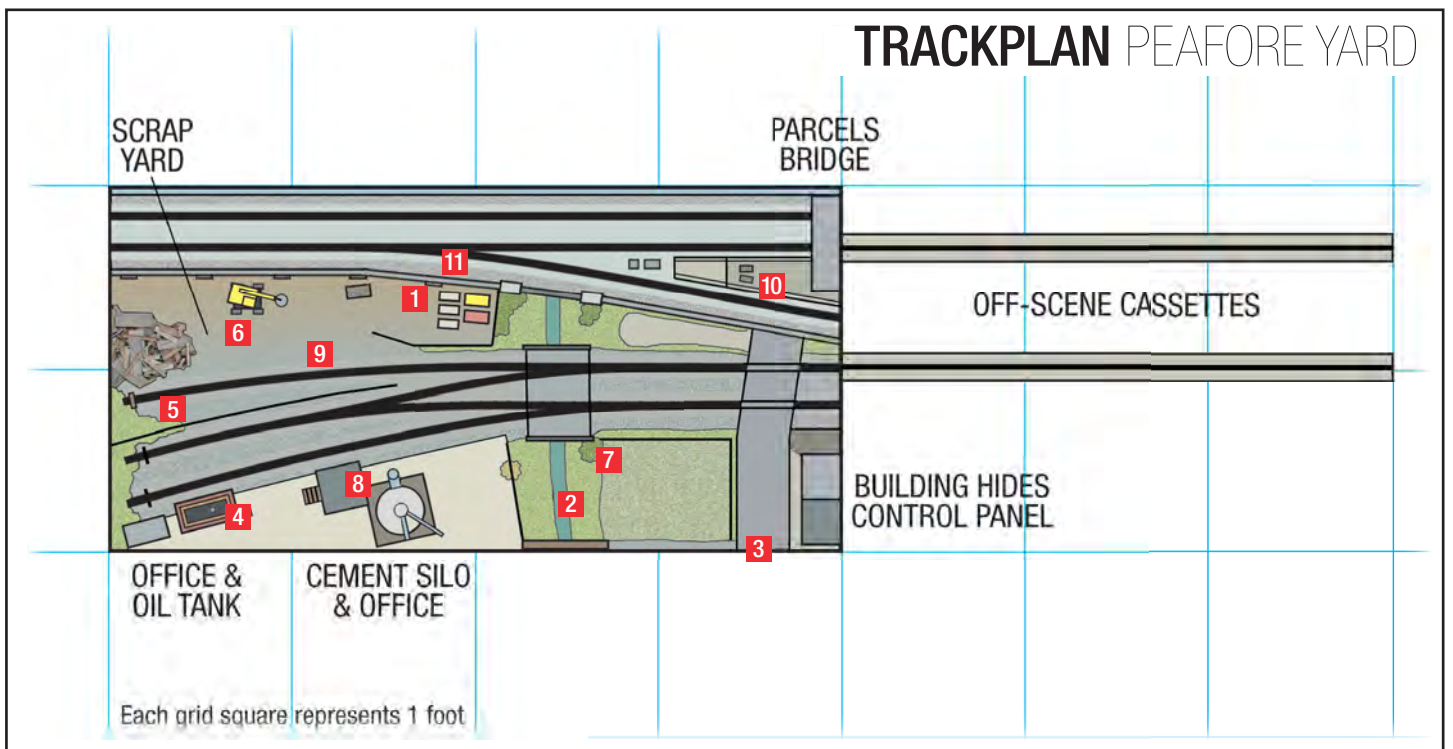
Despite the name, the layout is to OO rather than P4 standards, primarily as I didn't have enough confidence in my ability to produce points and track to the tolerances required for reliable running in P4. With more than 100 items of stock - which are also used on other layouts - to re-gauge I was reluctant to make that jump. It is worth noting that the supplied C&L track gauges are to Double O Gauge Association 'DOGAfine' standards and all back-to-back dimensions should be increased from 14.2mm to 14.4mm. I didn't realise until I read about the difference on **RMweb**. Most of my stock is unmodified but runs perfectly well through the points.





how did they do that?

The scrap mountain was built piece-by-piece, each item being individually weathered to avoid a uniform look. The iron fences are made from Wills corrugated glazing sprayed with grey primer and weathered, the glazing sheet being much thinner than Wills' corrugated Iron cladding sheets.



Everything on the layout is weathered to varying degrees; typically I use six or seven colours applied as a wash or dry-brushed accordingly. I find that using a broader palette of colours is much more effective.

I believe that the presentation of non-scenic parts of a layout is as crucial as the scenery. They should not detract from drawing the viewer's eye into the scenic section. To aid this, I have a proscenium arch which narrows the field of view by 6cm on each side, creating a TV screen effect. It also protects the edge of the scenic section from damage. A folding cover is fitted to the front to protect the layout in transit and doubles up as an information panel.

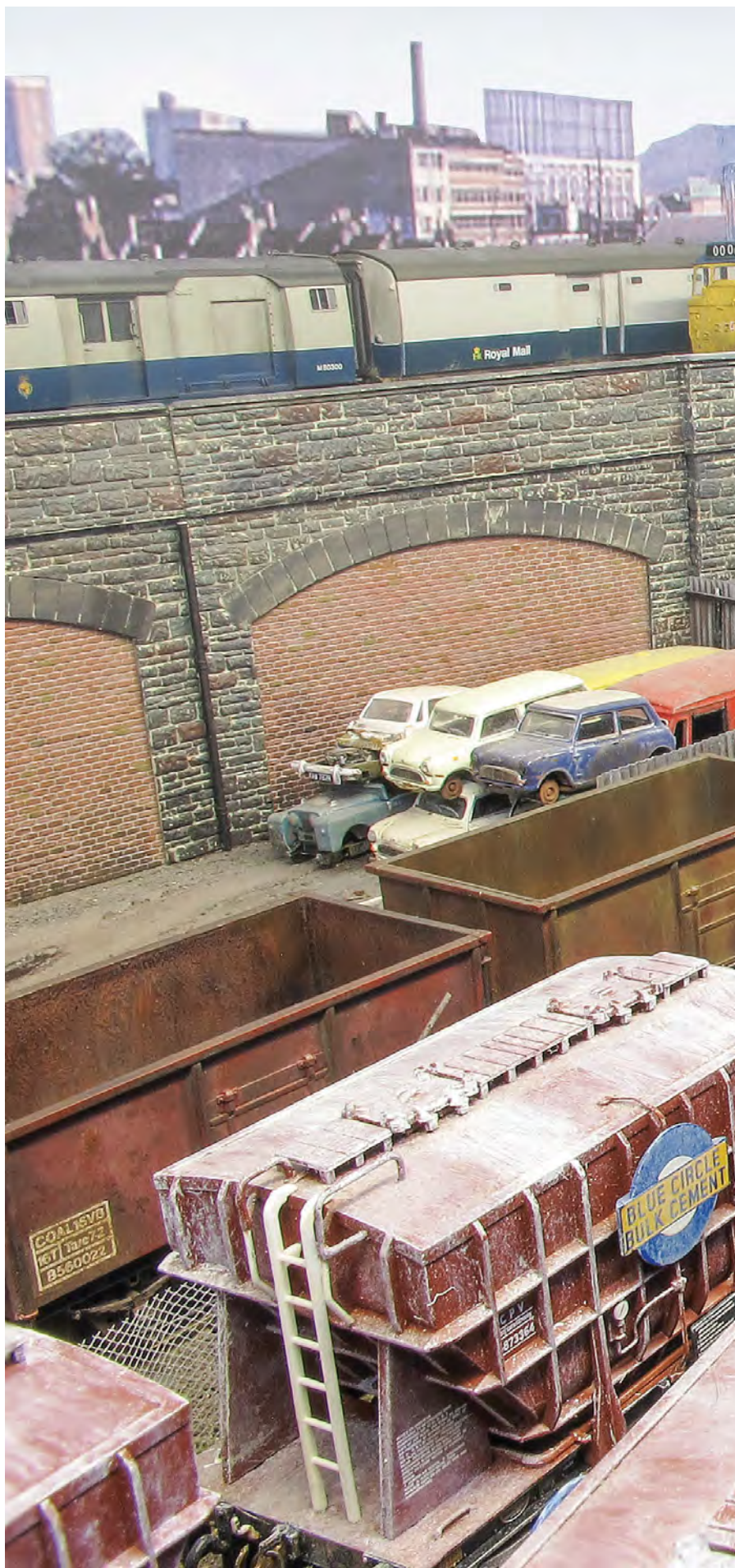
I enjoy the social aspect of exhibiting, sharing ideas and thoughts with the public. I therefore decided to make 'Peafore Yard' front-operated, putting me among the viewing public and meaning that I get to see the scenic side rather than the back of buildings.

SIMPLE OPERATION

While I was keen to have the main line operational, full-length trains were not an option with only 4ft of scenic space. Instead trains arrive with only a locomotive and one carriage visible. The locomotive uncouples and runs round via the other platform road. DMUs also use the platform and Class 08s occasionally add a BG to the back of a train in the station.

Lower level operation is relatively simple; wagons arrive and are swapped for those in either the scrapyard or the cement terminal. In addition, a van or coal train sometimes appears to run around, assumed to be from further down the branch. The Avon Street branch will always be associated with 03121 and 03382, and both appear. The latter was one of only three '03s' to receive TOPS numbers while still in BR green. In a slight deviation from reality to add further interest, low level trains can be worked by anything smaller than a Class 37. I like shunting, but I am really a 'big locomotive' fan! ■

BELOW: OS map of the north end of Bristol Temple Meads in 1902.





Scenes like this perfectly capture the sort of railway atmosphere that could still be found in many British towns and cities in the 1970s.





9

LEFT: The backscene is made from images of Bristol taken in 1977. It can be difficult to get foreground shots at the right angle, so a train is placed at the back of the layout, held at a signal to form the lower part of the backscene.

BELOW: No BR blue era station would be complete without BRUTEs on the platform end, providing somewhere for spotters to perch and watch the action!



10



raising the standard

My main interest is building and detailing rolling stock and my early modelling years were spent reworking and respraying Lima models. Rapid advances in the quality of locomotives from Bachmann and Hornby have been welcome but there are certain models that still don't capture the prototype as well as they could. Putting my early skills to use, quite a few of my locomotives have received extensive modifications, some even using Lima donor parts.

Bachmann's Class 25 has a number of shortcomings; the chassis is too two-dimensional and the cabs have the wrong roof and windscreen profile. The list of modifications to my model of 25191 (top) include:

- Original Bachmann chassis cut away to remove the unprototypical solebar
- New underframe tanks built from scratch using some details from the originals.
- Cabs exchanged for 3-D printed replacements which I was given to 'road test' by an RMweb member
- Full respray into BR Blue

I felt the Lima Class 31 (above right) was one of its better models, but let down by poor running. I decided to graft the Lima body on to the high-spec Hornby chassis and motor. The Hornby chassis screws into new mountings in the Lima shell with only the bufferbeams from the Lima model reused. The donor model was actually a Class 30 so the exhaust ports were replaced along with all the roof handrails (all 23 of them!). The cab fronts had connecting doors scribed on and new hinges added made from brass. As the cabs are fairly open I scratchbuilt interiors and replaced the glazing with Shawplan 'Lazerglaze'. Using predominantly second hand bits meant that I had change from £70 after completing this project.

Although Bachmann has evolved its Class 37s over the years to produce very passable models they can still benefit from further detailing. My models of 37029/032 (below) underwent the following 'mods':

- Bogies sideframes remounted closer to the body
- Underframe tank corners cut out and mounting brackets added
- PH Designs bogie steps fitted – a fiddly job but careful assembly is rewarded
- Bufferbeam skirts reprofiled and new buffers fitted
- Shawplan Extreme etched window surrounds and Lazerglaze
- Shawplan EE roof fan and grilles fitted

My Class 40 (below) uses Bachmann cabs sandwiched between a Lima centre section and Lima nose ends which were reduced in height by 1mm. The chassis was also further detailed with bogie pivots and pipework. The roof was modified with re-drawn Shawplan boiler roof etches.

I have a soft spot for Motorail trains and in the absence of ready-to-run models of a Motorail flats I kitbashed/scratchbuilt three models. As the prototypes were built on old Mk 1 coach underframes, I chose the same route using Coopercraft kits and Bachmann BR1 bogies. The decking was from Wills sheet cut to size while the uprights were made from plastic card using a jig as I had to make more than 75 of them. The wheel chocks were also made in the same way as each wagon needs 32! Once complete the wagons were sprayed BR blue and weathered. The plates with the numbers were cut out from old photographs (see left).

The wagon fleet is predominantly Bachmann Blue Circle 'Presflo' hoppers, 16t mineral wagons and Parkside Dundas 12t vans. I intend to build the molasses tanks using Airfix/Dapol kits as the basis.

'Peafore Yard' has achieved what I set out to deliver, namely a testbed for hand-made track which has proved reliable at exhibitions. I am a builder of layouts rather than an avid operator so I am already planning the next one, which will again try some new skills and in a departure from my core interests will be a narrow gauge 009 layout.

A number of people have assisted in developing the layout, in particular Kevin Redwood and Andy Kirkham who provided operational information and photographs of Avon Street Yard and Dave Spencer who helped with the scenic. I must also thank the good folk of **RMweb** who have provided encouragement and ideas throughout the layout build. ■



CLOCKWISE FROM TOP:
Kitbashed Motorail flat,
heavily modified Lima
Class 31/1, hybrid Lima/
Bachmann Class 40,
'25' with new cabs, two
Bachmann Class 37/0s.





I wanted to create a feeling of space with plenty of interest to keep the viewer's interest, despite the layout's small size.

ABOVE: The recently demolished Royal Mail bridge at Temple Meads gives a scenic break over the north end of the platforms.

BELOW: Placing buildings at the front of the layout forces the viewer to look around them and distracts from its small overall size.

I ask the expert

Q When building a layout in a restricted space, how did you decide what to include and leave out?

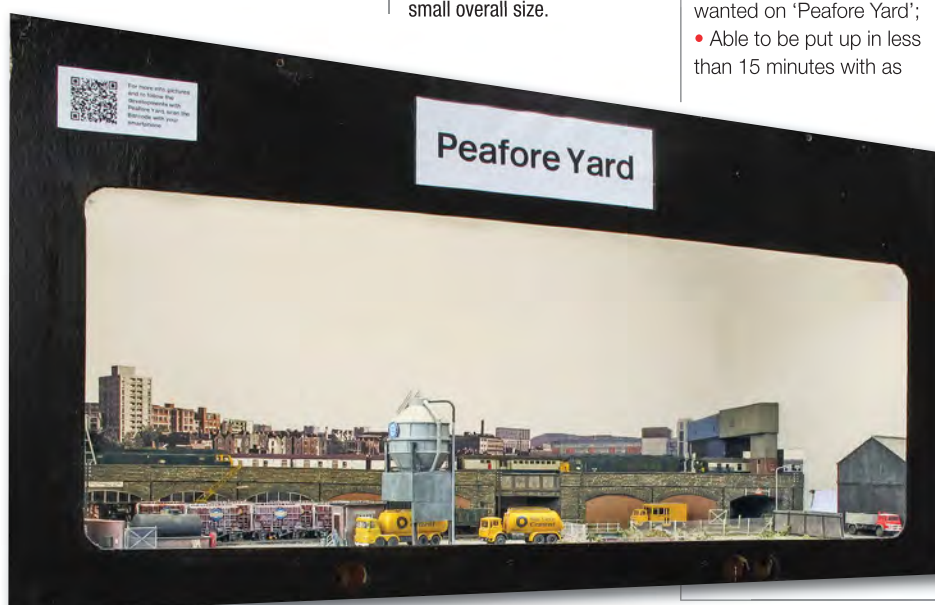
A I always set out with a list of criteria I wish to achieve. Here's what I wanted on 'Peafore Yard';

- Able to be put up in less than 15 minutes with as

few parts as possible so it would be suitable for both exhibition and home use.

- Enough operational interest to keep me entertained over a two-day exhibition
- An element of main line operation so I could use my coaching stock and locomotives in a realistic setting
- At least two types of freight operation, to include cement
- A water feature
- Fit in a medium-sized car with room for a passenger
- Create a feeling of space with plenty of interest to keep the viewer's attention.

A number of these conflicted with each other so it was a challenge to produce a layout that ticked all the boxes.





Cobalt iP digital

the ultimate turnout motor

...for both dc and dcc modellers

Cobalt iP Digital works equally well either way, so it really does not matter if you choose to drive the trains with DC or DCC...

Cobalt iP Digital always comes up trumps!

Just as happy on either 12~23v DC or DCC, the versatile Cobalt iP Digital is easy to install and it is simple to connect as it needs no soldering.

It has two built-in SPDT changeover switches you can use for point frogs, signals or control panel lights too, so there is nothing else to buy, install, tweak or adjust once it is installed!

Control is very versatile... and very simple!

DCC modellers can use full computer control, macros or routes, a conventional local control panel or their handset... or all of them at once.

DC modellers can stay traditional and use stud and probe, Diode matrix or just two simple low cost push-button switches.... It does not care.

Or BOTH DC and DCC modellers can choose to use The New Cobalt α Alpha Digital encoder.

This clever new product simply converts all kinds of traditional switching methods To "digital input devices" and it lets you connect your control panel to your DC or DCC layout...

With only TWO wires!



Cobalt iP Digital is compact, smooth and almost totally silent. Beautifully engineered and designed to last, it is supplied with a lifetime Warranty.



Cobalt point motors and 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.dccconcepts.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



WORKING TABLE LAMPS

Nigel Burkin equips a Hornby Mk 3 First Open with DCCconcepts working table lamps in a few simple steps.

A feature of First Class accommodation in many vehicles is the provision of reading lights in compartments and table lamps. Air-conditioned stock such as ex-BR Mk 2s and Mk 3s are fitted with table lamps as are some classes of express multiple units. Refurbishment of many locomotive-hauled coaches and HST trailers saw the installation of modern T-shaped table lights. DCCconcepts' DML-MTL table light pack represents this modern design seen in hauled and HST stock used on West Coast Main Line and CrossCountry services until the mid-2000s.

In model form, interior lighting can look convincing and adds to the atmosphere, suggesting human activity. However, it's important to add interior detailing such as painted table tops and curtains. The typical interior moulding for OO gauge coaches is pretty basic, and as the base model used to demonstrate the use of the table lamps shows, the colour may be inappropriate too - the bright

red of the Hornby model being pretty wild! Other considerations include constant illumination of the lights on analogue power, current pick-up to power the lighting circuits and the current draw if you have a large number of coaches fitted with such circuits.

DCCconcepts supplies the table lamps in packs of 12, which seems a logical number until you consider the number of seating bays in a single FC coach. Mk 2f FO coaches have seven seating bays which line up with the windows, so you'll need 14 lamps. A Mk 3 FO coach has eight seating bays so 16 lamps are required.

For this project, I'm using a factory weathered Hornby FO coach in de-branded Virgin Trains livery. The weathering applied to the flush glazing makes

the interior barely visible. I decided to use just one pack of lamps and made cosmetic ones for the remainder of the tables from 60thou by 80thou styrene. Not all of the lamps would be switched on at any one time in a full-size coach.

The finished coach has an attractive pool of light at the illuminated tables - the lamps work really well regardless of the coach type. The use of reference photographs will help with identifying the type of table lamp used in any particular coach or the First Class compartment of a multiple unit such as a Class 170 or

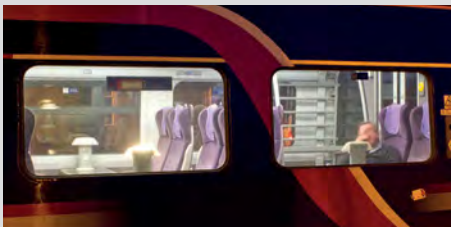
Virgin Voyager. It is worth remembering that some charter train operators have exchanged their standard table lamps for more stylish ones with shades more in keeping with the type of traditional at-seat service being offered. **BRM**

Well-designed lighting with the correct light colour can look very convincing and adds to the atmosphere, suggesting human activity.



For DC analogue users, these LEDs will only illuminate when the coach is operated in one direction. For constant illumination with analogue power, you could use a DCCconcepts' 'Flickerfree' device. It provides constant illumination and directional control and reduces the number of pick-ups required, reducing wheel drag.

PROTOTYPE INSPIRATION



The same type of table lamps are fitted to ScotRail Class 158s and 170s as shown in this picture of the First Class section of 158719. As this view shows, only three lamps are required! NIGEL BURKIN

SHOPPING LIST

- DCC Concepts DML-MTL table lights 12 pack - £45.50
- DCC Concepts DCF-WS1212-00 12mm diameter wheelsets 12 pack - £30.00

W www.gaugemaster.com

TOOLS YOU NEED

- Soldering iron ■ Solder ■ Acid-free solder flux ■ Pin vice ■ HSS drills
- Modelling scalpel ■ Miniature screwdrivers ■ Xuron cutters ■ Tweezers
- Fine nose pliers ■ Wire cutters ■ Cyanoacrylate glue and accelerator
- 10thou styrene ■ 60 by 80 thou styrene strip (optional) ■ copper clad sleeper strip (optional) ■ Insulation tape
- 2mm 2:1 heat shrink insulation sleeve



STEP-BY-STEP GUIDE



Take one pack of DCCconcepts table lamps, a set of low friction wheelsets with axle pick-up springs together with a Mk 2 or Mk 3 coach and you have the makings of an interesting afternoon's project.



The DCC Concepts DML-MTL modern table light pack is ideal for certain Mk 2/Mk 3 FO vehicles together with some Class 158 and 170 units. Twelve lamps, copper tape, pick-up springs and fine flexible wire are included.



For good current collection, consider replacing the standard Hornby wheels with DCCconcepts DCF-WS1212 wheels which are fitted with low friction pick-up springs.



Hornby air-con Mk 2/Mk 3 coaches are easy to dismantle using off-cuts of styrene to release the body to chassis clips. The Mk 3 RFM coach is a different matter however – the roof and glazing is one moulding which takes some care to remove!



This former Virgin West Coast coach, FO 11021, was weathered and including the glazing. I'm removing it and cleaning it with Isopropyl alcohol (IPA) to make the view into the coach clearer.



The seat moulding of the Hornby model needs some enhancement if lighting is to be installed. The simplest way of mitigating the bright red interior is to repaint it or fit new table-tops.



I'm fitting white table tops from 100thou styrene and drilling mounting as close to the window edge as possible. A small 0.5mm pilot hole helps with the accurate drilling of a 1.8mm hole for the lamps.



The lamps are carefully slotted into each hole with the flat side facing outwards. A spot of cyanoacrylate glue assisted with some accelerator secures them.

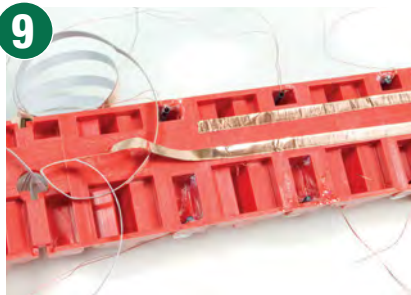
PRACTICAL BRM



RESISTANCE IS (NOT) FUTILE

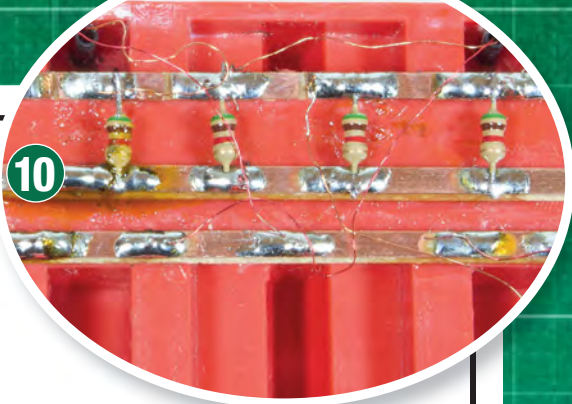
The table light pack offers a choice of resistors: ten each of 1K, 5K and 10K rated resistors - one for each table lamp which should be wired in series with the table lamp leads. The choice of resistors effectively gives you a choice of lighting levels: from 1K resistors for bright illumination to 10K resistors for more subdued lighting. The photographs of the completed model show the level of illumination when the 1K resistors are used - the bright level of light being needed for studio photography. Ordinarily, I would consider the 10K resistors for more subtle lighting.

9



Two lengths of copper tape are applied to the underside of the interior moulding. Care is needed to locate all the wires and resistors in the central section where there is room to accommodate them.

10



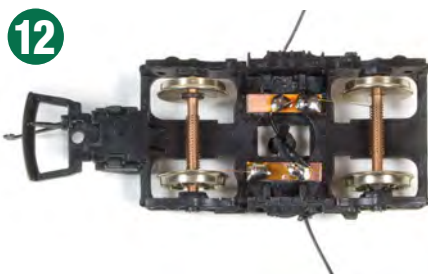
The completed lighting circuits fitted with 5K resistors and using copper clad strip instead of copper tape. Whatever you do, be absolutely sure you include a resistor in the circuit or the lamp LED will be destroyed.

11



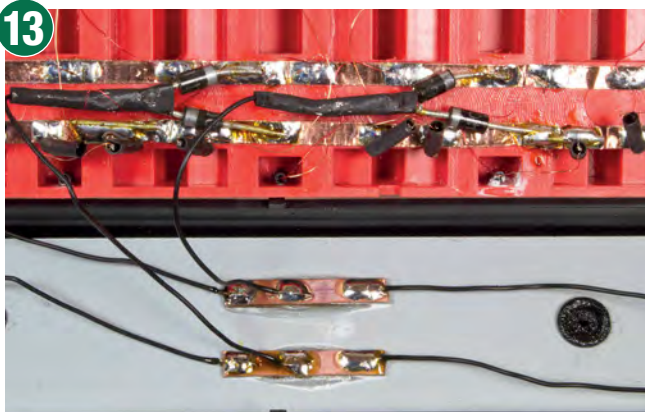
Use the pick-up springs supplied with the lamps to convert the existing wheelsets for current collection. Clean the wheel treads and use a back-to-back gauge to set the wheels to the correct gauge.

12



An alternative to modifying the original wheels is to change them for DCCconcepts wheelsets with low friction pick-ups.

13



I'm using diodes when connecting the table lamps to the pickups so they light on analogue power, regardless of direction of travel. Heat shrink sleeve was used to insulate the resistor leads.

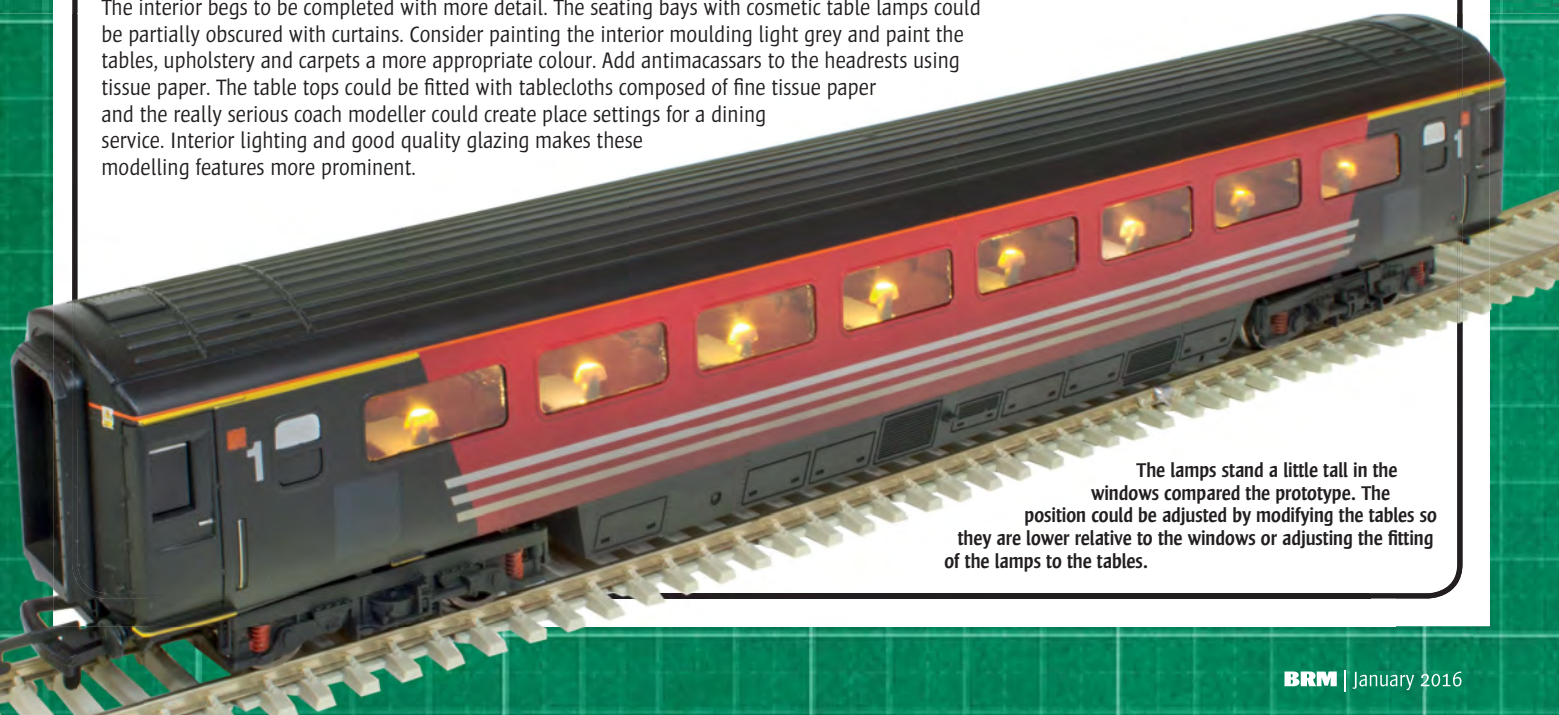
14



The lamps look very effective and illuminate the interior brightly when a 1K resistor is used in the circuit. A 10K resistor gives a more subtle lighting.

FIT AND FINISH

The interior begs to be completed with more detail. The seating bays with cosmetic table lamps could be partially obscured with curtains. Consider painting the interior moulding light grey and paint the tables, upholstery and carpets a more appropriate colour. Add antimacassars to the headrests using tissue paper. The table tops could be fitted with tablecloths composed of fine tissue paper and the really serious coach modeller could create place settings for a dining service. Interior lighting and good quality glazing makes these modelling features more prominent.



The lamps stand a little tall in the windows compared to the prototype. The position could be adjusted by modifying the tables so they are lower relative to the windows or adjusting the fitting of the lamps to the tables.

THE HEREFORD MODEL CENTRE

Email: sales@herefordmodels.co.uk
www.herefordmodels.com

4 COMMERCIAL ROAD, HEREFORD,
HEREFORDSHIRE, HR1 2BB

SALES LINE
 **01432 352809**
**OFFICIAL HORNBY
COLLECTORS
CENTRE**

LIMITED EDITIONS

32-900Y	CL108 in Blue/Grey, black window surrounds, Welsh Dragon embellishment on front C970	£69.95
33-300F	20t Toad/Brake GWR Gry Merthyr	£11.35
37-557X	TTA Shell Black 5178	£10.85
37-557Y	TTA Shell Black 5169	£10.85
<i>All Weathered</i>		
37-659Z	Benzole set of Three	£29.95
37-577W	TTA Shell Black 5172	£10.85
37-675U	Mobil set of Three	£29.95
37-711Y	Pack of 3 GWR Cattle wagons	£27.20
<i>Non Weathered</i>		
37-711Z	Pack of 3 GWR Cattle wagons	£27.20
<i>Weathered</i>		
37-730Z	GWR Vent Vans Weathered	£25.45
<i>Set of Three</i>		

NEW RELEASES

R3264	Class 50 Ajax	£129.75
31-088	BR Black Earl	£118.95
31-089	GWR Earl	£118.95
31-679	Class 85 Electric Blue	£118.95
32-680	Class 45 Blue	£101.95
32-681	Class 45 Green	£101.95
32-408	Class 25/3 BR Blue	£93.45
R3301	Earl of Mount Edgcumbe	£132.95
R3345	Class 66 Freightliner	£63.95
R3329	BR Late S15	£123.99
R3327	SR S15	£123.99

HORNBY

R3303	D16/3 BR Early	£100.95
R3233	D16/3 LNER	£100.95
R3234	D16/3 BR Early	£100.95
R3235	D16/3 British Railways	£100.95
R3132	A3 Book Law	£133.90
R3284	LNER Flying Scotsman	£87.90
R3276	LMS Compound	£66.45
R2881	LMS Class 5 Black	£65.95
R3229	British Monarch	£119.25
R3245TTS	A1 Tornado	£135.75
R3114A	B1 BR Late	£118.95
R2744	Schools Blundells BR	£84.95
R2843	Schools Dulwich SR	£94.45
R2916	CL2800 GWR	£93.45
R2917	2800 Class BR	£103.99
R2917X	CL2800 BR	£106.45
R3010	N15 Sir Sagamore	£119.45
R3010X	N15 SR	£133.95
R3016A	Standard 4MT BR Black	£109.00
R3017	BR Patriot	£108.50
R3088X	LNER Class 01	£109.50
R3025	J94 LNER	£55.45
R3206	BR Blue Tornado	£98.45
R3228	Austerity NCB	£65.75
R3225	GWR 72XX	£114.45
R3226	BR 72XX	£114.45
R2844	Schools 'St. Lawrence' BR/E	£93.75
R3194	Schools 'Epsom' BR/E	£111.95
R2740	J94 WPR	£41.95
R2784X	Mallard Green	£85.00
R3005X	28XX BR Withd	£116.50
R3005	28XX BR Withd	£102.95
R3110	61XX BR	£78.45
R3169	Olton Hall Red	£72.50
R3098	Railroad Tornado	£93.45
R3118	Castle BR 'Penrice'	£118.00
R3074	King GWR (Stamp Collection)	£112.99
R3273	9F Franco-Crosti. Early	£105.00
R3274	9F Franco-Crosti. Late	£105.00

HORNBY TRAIN PACKS/SETS

R3302	Return from Dunkirk	£229.75
R2696	CL101 - 2 Car	£65.25
R2806	Dean Single LMS Pack	£124.75
R2815	Southern Suburban Ltd	£159.00
R2986	Date with the Duchy	£179.90
R3059	Tornado Train Pack	£128.45

R3098	BR Tornado	£93.45
R3186	Titfield Thunderbolt Set	£98.45

HORNBY DIESEL/ELECTRIC LOCOMOTIVES

R3340	BR Green 2Hal	£119.75
R3332	FGW Class 153	£82.75
R3353	Sentinel Balfour Beatty	£49.45
R3355	Sentinel Wabtec	£49.95
R3354	Sentinel Barabel	£49.45
R3263	Class 50 Vanguard	£129.75
R3346	Class 92 DB Schenker	£70.45
R3275	Class 31 Dutch livery	£55.45
R3287TTS	Class 47	£74.45
R3291XS	CL56 Colas	£217.50
R3181	BR Class56	£123.95
R3384	EWS Cl67	£123.95
R3344	Class 31 Yellow	£142.45
R3350	Class 90 Schenker	£61.45
R3161B	SR 2 Bil Green	£120.60
R3290A	BR 2 Hal Green	£113.90
R2508	CL121	£47.50
R2508A	CL121	£47.95
R2646X	CL56 BR Grey	£83.95
R2647X	CL56 BR Grey	£83.95
R2755	CL86 BR Les Ross	£43.95
R3177	BR 2Bill SR Green	£123.99
R3180	Tarmac Sentinel	£44.95
R3268	Class 67 Arriva	£122.90
R3283	Bagnall Shunter	£25.75
R3267	CL67 Arriva	£111.95
R2963	Cl.31 Regional Railways	£103.75
R2962	Cl. 56 BR Grey 'Oystermouth'	£96.50
R3282	Cl. 42 Maroon 'Thruster'	£47.90

HORNBY TRACK

R070	Turntable	£57.95
R083	Buffer Stop	£1.35
R207	Track Fixing Pins	£2.50
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.	£2.10
R609	Double Curve 3rd Rad.	£1.95
R610	Short Straight	£1.15
R614	LH Diamond Crossing	£9.25
R615	RH Diamond Crossing	£9.25
R617	Uncoupling Ramp	£2.30
R618	Double Isolating Rail	£6.95
R620	Railer Uncoupler	£4.25
R628	Half Curve 3rd Rad.	£1.70
R643	Half Curve 2nd Rad.	£1.40
R8026	Power Track	£3.75
R8072	LH Point	£8.45
R8073	RH Point	£8.45
R8074	LH Curved Point	£14.25
R8075	RH Curved Point	£14.25
R8076	Y Point	£10.25
R8077	LH Express Point	£13.95
R8078	RH Express Point	£13.95

HORNBY TRACK ACCESSORIES

R076	Footbridge	£11.85
R169	Junction Home Signal	£9.75
R170	Junction Distant Signal	£9.75
R171	Single Home Signal	£7.50
R172	Single Distant Signal	£7.50
R189	Single Brick Bridge	£6.30
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	£14.50
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 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

32-084	Class 56XX GWR	£76.45
32-085	Class 56XX BR	£76.45
31-980	Standard 3MT BR	£110.45
31-981	Standard 3MT BR	£101.95
31-780	Switland Hall	£106.20
31-781	Foremarke Hall	£106.20
31-782	Thirstaine Hall	£114.70
31-783	Fountains Hall	£114.70
35-075	E4 LBSC	£93.45
35-076	E4 Southern	£93.45
35-077	E4 BR Early	£93.45
35-078	E4 BR Late	£93.45
31-635	GWR 64XX	£72.21
31-636	BR 64XX	£72.21
31-001	Robinson BR Late Crest	£94.99
31-002	Robinson BR Early Crest	£94.99
31-003	Robinson LNER	£94.99
31-117DC	4MT BR Black	£79.45
31-127	CL3000 BR ROD	£118.45
31-128	BR ROD Weathered	£105.45
31-136DC	D11/2	£115.90
31-213DS	Patriot BR Late	£201.45
32-261	WD Austerity	£110.40
31-350	Class A2 Sugar Palm	£107.99
31-527	A2 Tudor Minstrel A/Green	£96.45
31-627A	Class 3F LMS	£71.25
31-628DC	Class 3F BR weathered	£93.20
31-931	LMS Compound	£112.90
31-933	BR Compound Late Crest	£112.88
31-932DC	BR Compound	£127.75
32-260DC	WD Austerity	£125.29
32-500	5MT Class BR - 73068	£70.99
32-550A	A1 Tornado Apple Green	£109.45
32-509	BR 5MT Early Crest	£104.55
32-954	4MT BR Early	£87.50
32-955	4MT BR Late	£87.50
31-465	C Class BR	£93.46
31-138	D11/2 Black Early	£106.20
31-189	Jubilee 'Falkland Islands'	£113.95
32-129A	Prairie BR Black	£72.20
32-154A	N Class BR Black Withd	£99.10
32-233	3F SDJR Blue	£62.00
32-508	5MT BR Green	£104.55
32-828A	Ivatt 2MT BR Green	£89.20
32-954	4MT BR Black Early	£87.50
32-955	4MT BR Black Late	£87.50
31-979A	3MT BR Black Withd	£80.75
31-626A	3F BR Black Early	£76.45

BACHMANN DIESEL/ELECTRIC LOCOMOTIVES

32-762DS	Virgin Class 57 Hood	£203.95
32-763	DRS Class 57	£106.95
31-265	MLV Green	£62.45
31-266	MLV Green with yellow panel	£62.45
31-267	MLV Blue/Grey	£62.45
31-268	MLV NSE	£83.26
31-269	MLV Jaffa	£83.26
31-326	CL105 BR Green	£79.45
31-327	CL105 BR Green	£79.45
31-377	CL416 2EPB	£85.99
31-425A	CL411 Green	£103.99
31-426	CL411 BR Green	£103.99
31-535	CL105 BR Blue Power Twin	£84.45
31-537	CL105 Small Yellow Panel	£84.45
31-575	Windhoff MPV NWR	£104.00
31-576DC	Windhoff MPV NWR	£114.00
31-577	Windhoff Railtrack	£104.00
31-655	Class 47 Railfreight	£86.35
31-658	Class 47 Petroleum Sector	£97.70
32-045	Class 20 Railfreight	£93.45
32-065	Class 20 BR Maroon	£118.95

32-066	Class 20 BR Green	£118.95
32-067	Class 20 BR Blue	£118.95
32-475	DC Class 40 BR Blue	£87.75
32-515A	Derby Lightweight	£93.97
32-750	DC - CL57 FL - 57008	£52.95
32-784	Class 37 Mainline	£106.20
32-785DS	Class 37 Dutch	£203.95
32-786	Class 37 EWS	£106.20
32-904DC	CL108 BR Blue	£96.99
32-906	CL108 Green 2 car	£93.50
32-910	CL108 Blue/Grey	£74.95
32-937	Class 150 Centro	£127.45
32-928	Class 150 Sprinter	£135.95
31-363	03 BR Blue Withd	£76.45
31-364	03 BR Green Withd	£76.45
31-365	03 BR Blue	£70.50
32-065	Class 43 Zealous	£118.95
32-066	Class 43 Pegasus	£118.95
32-067	Class 43 Royal Oak	£118.95
32-117	08 BR Green Withd	£68.45
32-644	Class 20 BR Green	£93.45
32-034A	Class 20 BR Green weathered	£97.70
32-038DS	Class 20 BR Blue	£195.45
32-734A	Cl. 66 D.B. Schenker Withd	£97.00
32-815	Cl. 47 Intercity	£89.20
32-913	Cl. 108 Green w/ Whiskers	£114.50
32-815	Class 47 Intercity	£89.20

0 GAUGE

10D-GWR	Ixion Fowler GWR	£220.00
10D-UGR	Ixion Fowler Unlined Green	£220.00

We also do a selection of Limited Edition seven plank wagons, please ring for details

HELJAN

H2301	CL23 Green yellow ends	£94.95
H2306	CL23 Green weathered	£95.95
H2520	Class 05 BR Green	£99.75
H2521	Class 05 BR Green	£99.75
H2522	Class 05 BR Blue	£99.75
H2523	Class 05 Dept 88	£99.75
H2500	Class 05 BR Green	£99.75
H2501	Class 05 BR Green	£99.75
H2502	Class 05 BR Green	£99.75
H2503	Class 05 Cider Queen	£99.75
H5217	CL52 Western Explorer	£78.95
H8802	AC Railbus BR Green	£93.95
H8902	Class 128 DPU Early Blue	£93.95
H1508	Cl. 15 BR Green TOPS	£87.50

ORDER BY TELEPHONE
Orders taken 6 days a week
9.00am - 5.30pm
Monday to Saturday
Call: 01432 352809

Mail Order Service

All offers valid to
31st January 2016

You must state these prices when ordering

POSTAGE & PACKING RATES PER ORDER:

UK Standard £3.95

UK Insured £7.10

UK Courier Transport & Packing £9.00

Worldwide at cost. VAT free to non EC

****Train Sets/Packs & Controllers/**

Handsets - Postage charged at cost**

PRICES SUBJECT TO CHANGE

WITHOUT NOTICE

**** Please allow 7 days for clearance**
when paying by cheque **

PLEASE QUOTE SPECIAL PRICES

WHEN YOU VISIT US.

Credit Cards Welcome...

Visa, Mastercard & Switch



DECODING DCC

PART 1

Setting up a DCC decoder properly can be simple, as **Howard Smith** shows in the first of a series of DCC lessons for beginners.



I think DCC decoders are marvellous, but there appears an element of mystery surrounding their installation and how they work. If you're a newcomer to DCC, then you might have a few questions of your own.

When talking with modellers about Digital Command Control (DCC), I've noticed that they tend to fall into two categories. Some can't get enough of

it, looking forward to their next acquisition, but others won't go near it, claiming it's too much hassle and plagued with problems. Few people seem undecided, even newcomers.

Converting non-DCC users who have heard tales of puffs of smoke and expensive replacement bills isn't easy, but you have to ask if the equipment was being used correctly in those cases. Hopefully this short series can dispel such myths and encourage you to embrace the prevailing direction of the hobby - for a beginner; it's not as difficult as you might think. **BRM**

CHOOSE A DECODER WITH THE RIGHT CAPACITY

Fitting an underpowered decoder can result in premature failure. To find how much power a model consumes, place it on the rails against a solid object - such as a bufferstop - and force it to stall. Place an ammeter in series between one rail and a terminal on the DC transformer. This determines what the locomotive consumes in a 'worst case' scenario, should it stall or accidentally run into a bufferstop and its wheels spin. Turn up the power on the transformer slowly from a crawl to maximum speed, noting the maximum amount of current consumed. Add to this figure a 'safe margin' of around 20% and this is your locomotive current consumption.

Look for a decoder that can handle this amperage on a 'continuous' cycle, not 'peak'. The peak output of a decoder is the maximum current it can handle, but only for short periods of time before it overheats.

Most accessories connected to decoders consume little current, especially modern LEDs - the margin of 20% will more than handle them. Beware if fitting a smoke unit, as the resistor heater element and fan motor - if fitted - will consume far more current than an LED. In this case, refer to the manufacturers' manual for its amperage and add this to the sum total.

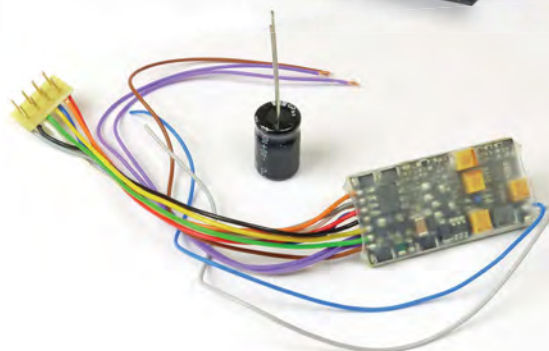


Jobs such as fitting a Zimo MX645 sound decoder from YouChooos into the tight confines of this Bachmann Class 08 and configuring it properly might deter non-DCC users, but it's actually quite simple.

MORE ADVICE?

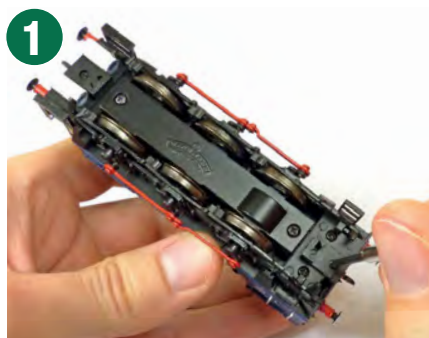
If you're still unsure and have more DCC-related questions, ask your local model shop or retailer who should be able to point you in the right direction. You can also ask on our forum **RMweb**.

W www.rmweb.co.uk

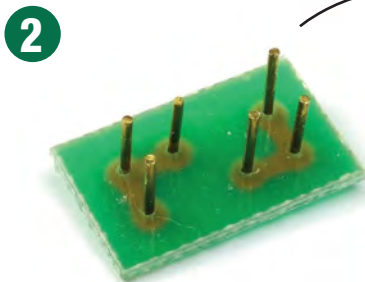


STEP-BY-STEP GUIDE

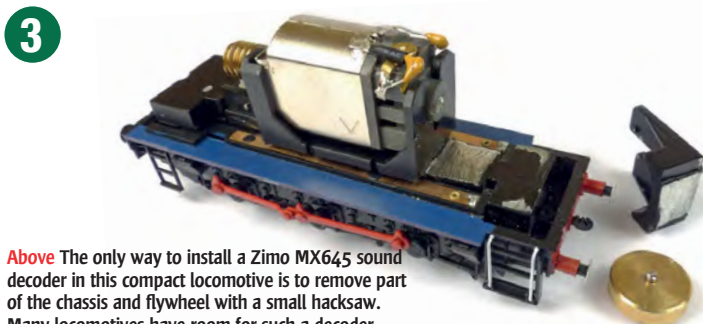
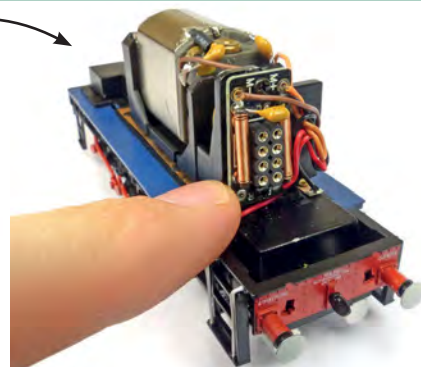
INSTALLING A DECODER



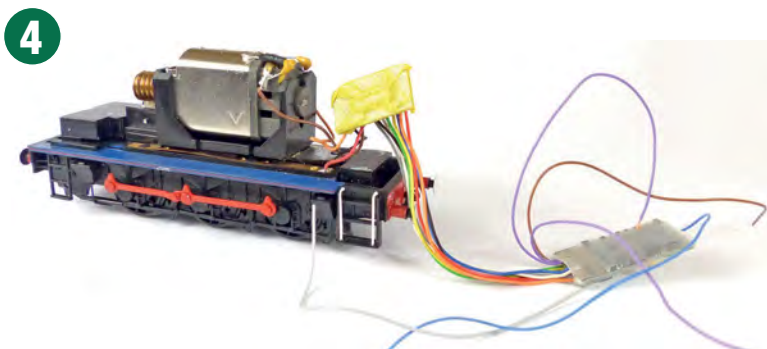
Installing a decoder into this Bachmann Class 08 and setting it up is a five-minute job. The chassis is parted from the top by removing a single screw under the cab.



At the front of the chassis is an eight-pin DCC socket. Before installing a decoder, remove the 'blanking plug' which links pins one, two and eight as a group and four, five and six as another. It connects each motor terminal to a rail and without it, the locomotive won't move on DC power.



Above The only way to install a Zimo MX645 sound decoder in this compact locomotive is to remove part of the chassis and flywheel with a small hacksaw. Many locomotives have room for such a decoder, but this one hasn't. It's a 'worst case' scenario, but at least you'll know what to do if you try the same.



Avoid using glues when installing decoders as they're messy around electronics. I prefer to use masking tape - it's much neater and doesn't leave the same sticky residue as insulation tape. Double check that everything fits before going any further. Look out for wires that might pinch, interference with moving parts and any non-insulated wires is likely to cause short circuits.

DID YOU KNOW?

You don't need a DCC socket to install a decoder, although it makes the process much easier. You can 'hard wire' it in place by soldering the correct wires together.

TEN RULES FOR INSTALLATION

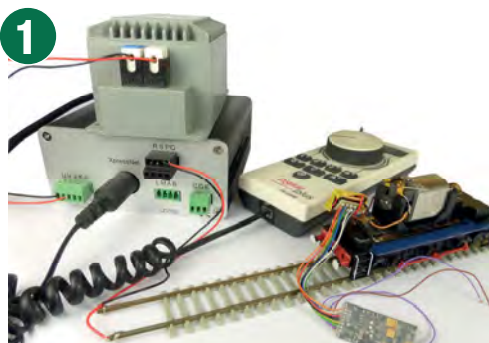
1. Because of inconsistencies and changes in standards six, eight or 21-pin socket might be fitted to your model. Check which you have before buying a decoder
2. Match the decoder power output to the amperage of your locomotive. What a locomotive consumes depends on its size, weight, age and the type of motor fitted
3. Make sure all decoder wires are kept away from moving parts such as gears and wheels
4. Exposed or unused wires must be isolated to avoid short circuits
5. Keep your decoder away from motors if possible. Decoders like to be kept cool and motors are a source of heat in a confined space
6. If possible, install a suitable 'Stay Alive' capacitor. These reduce stuttering of models over poorly laid or dirty track and improve performance, especially with sound
7. Decoder installation must be carried out as the final job when building a model. Paint it before installation
8. Beware of using steel wool around a model fitted with a decoder. Small fragments can create short circuits in a decoder. Keep your workbench clean and free from debris by regularly vacuuming
9. Make sure you have space for a decoder. If you fit a sound decoder, make sure you have room for the speaker and wires too
10. Some decoders are surrounded by heat-shrink wrapping. It prevents stray wires from coming into contact with the fragile circuits - don't remove it.

STEP-BY-STEP GUIDE

BASIC DECODER PROGRAMMING

If you're new to, or considering DCC, you might wonder why you need to program each decoder. Put simply, it customises the running characteristics of each locomotive. Imagine a pigeon loft - this represents a decoder. Each hole changes a characteristic of the decoder, for example its top speed or time to reach its top speed. These holes are known in DCC language as 'CVs' or Configuration Variables.

Using the word 'programming' shouldn't provoke an instant fear of computer illiteracy. DCC simplifies many things, but having to program each decoder isn't one of them. Nevertheless, once you get the hang of it, you'll be surprised at the difference it makes.



Many DCC systems are available and all perform differently when programming. In my case it's a Lenz Set 90. The programming track is connected to terminals 'P' and 'Q'. It should be an electrically separate section, such as a siding.



To access programming mode, the 'Om' button is pressed to get 'Pro' on screen. Continually pressing the button will cycle through the menu options.

PRACTICAL BRM



STEP-BY-STEP GUIDE

BASIC DECODER PROGRAMMING

continued



The Lenz system is good at informing the user what it is doing. When the command 'read' on a CV is given, it clearly notifies us on screen.



If the 'A' button is pressed to validate our choice, the command station will ask us what we want to access - in this case CVs, noted 'C'.



Validating again with the 'A' button will ask us which CV we would like to read. Reading a CV is like seeing what is inside the pigeon holes referred to earlier. Here, we have selected CV1 which stores the model's address or 'ID' if you like. This will identify it from other decoders. The Zimo MX645 decoder has 428 CVs, most of which we don't need to touch.



The value of CV 1 is now returned, in this case its factory default value '3'. That means that this locomotive's address is 3 - a default industry standard with DCC. The decoder hasn't been touched, so all CVs contain their default settings. These are included in the instruction manual, no matter what your make of decoder.



We need to change this CV because if we run two locomotives with CV1 set to address '3', they'll both set off at the same time. This is done by putting a number - or value - different to 3 in the CV. I'm choosing 8, since it's an '08', but you can enter anything in this CV from 1-127. The values you can enter will be specified in your manual.

TABLE OF CVs TO CHANGE

This is the first step to programming DCC decoders, so I'm keeping it simple, but below are a list of CVs for the Zimo MX645 and the values to which I'm changing them. These are the most important aspects that should be changed. The result will see our Class 08 run at a realistic scale top speed no matter how enthusiastic the operator. It'll have its own address different from the default and will accelerate and decelerate better too.

CV Number	What does it do?	Default Value	Modified Value	
1	Locomotive Address	3	8	Changes the locomotive's default address
2	Start Voltage	2	1	Improves crawl ability of the locomotive
3	Acceleration Rate	2	4	Makes the locomotive slower to accelerate to its top speed
4	Deceleration Rate	1	2	Gives the locomotive more inertia
5	Top Speed	1 (=255)	130	Limits top speed to scale
6	Medium Speed	1 (=1/3 of CV5)	65	Resets to half of top speed



We'll fit some sugarcube speakers designed for small spaces.

NEXT TIME...

In the next episode, we'll look at more advanced decoders features - 'stay alive' capacitors, speakers and how you can get the most out of them. We'll also exploit the Zimo decoder to its fullest and explore some of its unique features it offers.

So, join us onboard the DCC train and discover the sound possibilities it can offer.

Whether you fit a standard or sound decoder to a locomotive, it'll offer numerous advantages, not just freedom of movement around your layout without isolation switches, but smoother motor control, fine tuning of speeds and more realistic operation.

WHO SETS CV STANDARDS?

The standards for CVs and what they represent are set out by the NMRA (National Model Railroad Association) in the USA. It keeps standards between manufacturers consistent, so many of the basic CVs are responsible for the same functions, regardless of decoder brand. Beware though, not all decoders follow NMRA standards, so always refer to your manual and never assume a CV is responsible for a setting unless you're absolutely sure.

Left This is the CV table in the Zimo decoder manual. It's usually found at the rear and gives a list of what each one does. Without it you might be stuck, so keep it in a safe place. I keep mine in the locomotive boxes, keeping note of changed CV values.



**ZIMO decoders are designed and made in Vienna,
home to Beethoven, Mozart, Schubert and Strauss.
Would you risk trusting your sounds to anyone else?**



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.



Superb sound quality

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



Stay alive technology

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



Easy software updating

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



Worldwide reputation

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



Great value for money

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

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

The pinnacle of digital sound technology...

MX644 & MX645 sound decoders

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

Miniature 'sugar cube' speakers

Matched to ZIMO's pre-wired loudspeaker outputs and designed for the tightest of spaces. Three sizes are available, complete with resonator boxes, right down to an amazingly small 8 x 12 mm footprint!

'Stay alive' supercapacitors

Improve running characteristics and avoid sound interruption and lighting flicker by using an energy storage module wired directly to your decoder. ZIMO's SC68 'Supercapacitor' is the ideal solution.

At the forefront of digital command control since 1979

Ask for



by name...

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

RAIL EXCLUSIVE
01780 470086
DISTRIBUTOR

YOUCHOOS
0844 772 5052
GOLD

DIGITRAINS
01522 527731
GOLD

MR SOUNDGUY
01983 531443
SILVER

EDM MODELS
01904 331973
SILVER

COASTAL DCC
01473 403764
SILVER

DCC TRAIN AUTOMATION
0117 230 8078
BRONZE

WICKNESS MODELS
01387 738175
BRONZE

GARDEN RAIL SPECIALISTS
01844 345158
LARGE SCALE ONLY

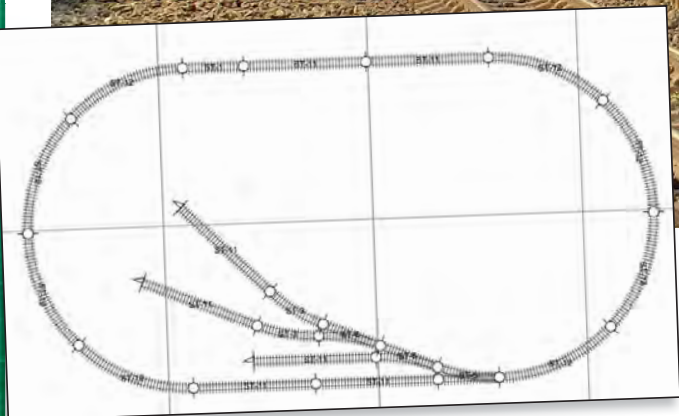


BUILDING YOUR FIRST N GAUGE MODEL RAILWAY

N gauge modeller *Ian Wigglesworth* takes you through the process of choosing, buying and building a first model railway in this smaller scale.



Steve Purves' 'Apa Park' (October 2014 BRM) is a great example of how you can build an N gauge layout in a much smaller space than is required for a traditional OO starter layout.



It's becoming increasingly apparent when showing my N gauge layout at exhibitions that parents sometimes regret buying a OO train set for a birthday or Christmas present. It turns out to be so big that they have to dismantle and build it every time it's needed. This becomes a chore so it ends up back in the box and there it stays collecting dust until it's sold!

When they see my layout they can't believe how small it is and how it

would fit under a single bed to be used whenever they like.

Hopefully, by showing you that different suppliers and gauges can be used, when you come to buy that Christmas or birthday present you will be able to make an informed choice.

Before buying any trainset check how much space you have available, and be realistic; a traditional oval OO layout can take up a lot of room! Bachmann - under its Graham Farish brand - and Dapol offer train sets in N

gauge and these can be conventional 12V DC analogue or digital. There are so many to choose from it's difficult to know which one to go for!

ANALOGUE OR DIGITAL?

Analogue, or traditional DC, is how most people remember train sets being operated. You have a DC controller connected to the track, powered from the mains by a transformer.

If the speed control knob is at zero then there is no voltage on the track so the train doesn't move, but as you turn the speed control knob more voltage is applied to the track and the faster the train goes. However, if you

have lots of trains on the track at the same time, they will all move! This can be prevented by using isolating sections, which can turn off the power to a length of track and prevent the locomotive on that bit of track from moving. The more isolating sections you have, the more switches and the more wiring you'll need to do.

Digital Command Control (DCC) gives much more potential for realistic operation, as you are not actually controlling the voltage to the track. Each train has a little electronic decoder fitted which is given its own unique address (see page 60). By selecting an address you will only control the train with that address.

Result: no more isolation sections or switches or the extra wiring.

Most DC models can be converted to run on DCC by fitting a decoder, but they do cost money so it can become expensive to convert lots of trains to DCC. Although N gauge is a little way behind OO in terms of DCC provision, the latest generation of British models are designed for simple plug-and-play installation of small decoders. There are no models with factory-fitted sound yet, as there are in OO, but Graham Farish has announced the first British N gauge model with sound - a Class 108 DMU due for release in 2016.

If you're just getting into the hobby I would go for a DCC system from the start. The play value and control is much better in my opinion and as you don't have a stud of locomotives to convert, it won't be an issue.

WHAT'S IN A SET?

All trainsets come with an oval of sectional track and some have points so that you can add a siding or a passing loop. They also include a simple controller, DC or DCC, and a locomotive to haul a few coaches or wagons. It's a great way to start in the hobby and can be VERY cost effective.

Sectional track has all the joining clips (known as fishplates) pre-fitted so it can be just pushed together. There are several radii of pre-formed curves and lots of different lengths of straight sections of track available to extend your trackplan when you're ready. Various types of points are also available to allow crossovers and turns into sidings. Sectional track allows the layout to be laid very quickly and dismantled quickly if required.

First radius curves are the smallest, but why is this important? The tighter the curve, the shorter the wheelbase of the locomotive has to be to get around it. Very long coaches or wagons can lock up and/or derail on curves if they're too tight. But, as the radius of the curves gets larger, the more space you'll need for your layout.

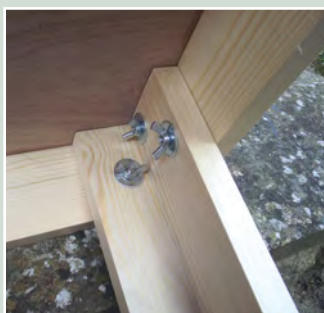
Points are essential to the operation of anything beyond a simple oval. Points in sectional track systems, such as Peco Setrack are all known as 'Insulfrog', but what does that mean?

When you switch an 'Insulfrog' point it acts just as a switch, the power flows out of the point depending on which way the switch is set. The other side is electrically dead so anything on the track beyond that point will not move. The biggest issue comes from short and small-wheeled locomotives running slowly over these points and becoming stranded.

With careful tracklaying and choice of models they can be made to work satisfactorily. But, let's get back to the start of the process.

For this article I'm going to buy an N gauge train set and build it into a simple little model railway.

BASEBOARD



Above Even with basic woodworking skills you can assemble a sturdy baseboard, or you can use a spare table at home or even get your boards professionally built.

Below Track temporarily laid out on the board to confirm that everything fits as planned. At this stage you can indulge in a little test running of your stock too.

First and most important is to provide a solid base. Usually the box is opened and the track laid on carpet! While it's tempting to jump straight in, this makes for very poor running and carpet fibres can get into mechanisms and cause serious damage.

Peco's layout plan book gives a very useful baseboard size guide for all the featured layouts, it also includes a grid to make sure you can position the track on to the baseboard in the correct place. For this layout I'm building a very simple baseboard; a frame of timber with a plywood top. I've also built the legs, but as it's so small it could be just left on a dining room table or even left on the floor.

First job is to get the wood from a local DIY centre. If I end up short of anything I can always nip back there and pick up items as I need them. Most DIY centres will cut the wood to size if you don't have the means to do this yourself.

The track plan for our layout fits onto a baseboard of 106cm x 68.5cm. I worked out how much wood I would need and bought 18mm x 69mm x 2,400mm timber for the framework and a 5.5mm plywood top.

Before fitting the centre cross struts I laid the track out to make sure the frame wouldn't interfere with the positioning of the point motors later. All joints and the baseboard top were screwed and glued into place. The legs were made using two lengths of the 18mm x 69mm timber cut to the

required length then screwed and glued down one edge. They are fixed into the corners of the baseboard with 6mm set screws and wing nuts so they can be removed easily.

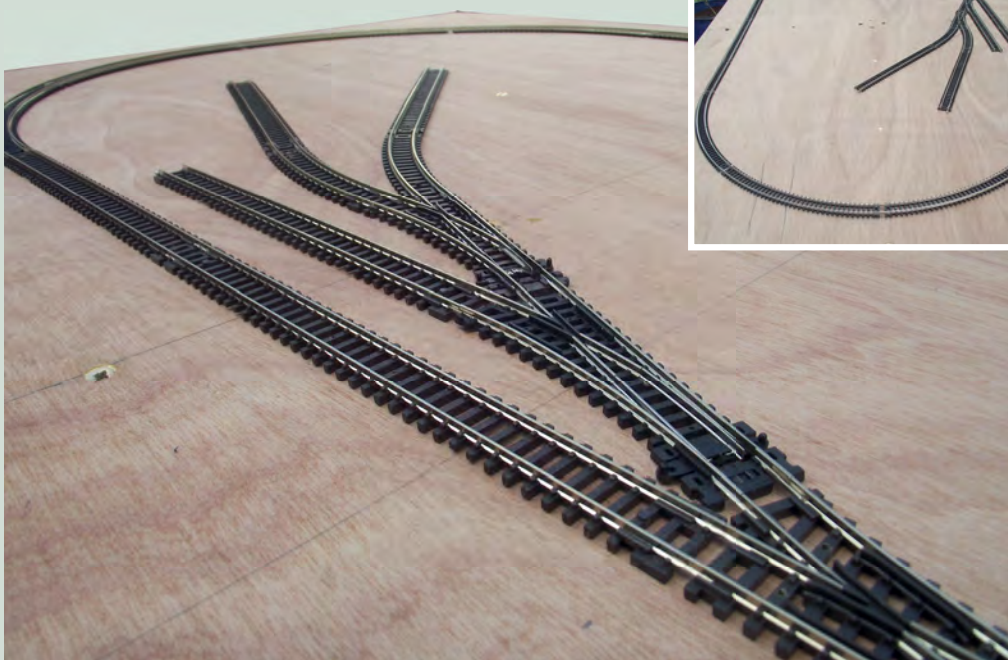
Using this type of leg on a small layout like this makes for a solid structure and you don't have to put cross braces in for the legs.

I have to say, if you're feeling down or need a bit of a jumpstart, buy a train set, the excitement you can get when opening it up for the first time will turn you straight back to being a 10-year-old!

We can now lay the track and see how it's going to sit on the baseboard. I use track pins at each end of the track sections, not in every hole, just to hold them in place I can then remove the pins once I've finished the ballasting.

As you may remember I said that trainsets come with 'Insulfrog' points, and so with just the power clips connected from the controller, when we switch a point the sidings from that point will either be electrically 'live' or 'dead', so if we switch the main point to go round the oval, nothing will run on any of the inner sidings as there will be no power.

Hornby OO gauge digital trainsets overcome this by including a packet of point clips, which slot into the point and make both directions live at all times. They're simple, but they do work and these clips can be made from a staple or even using the Hornby ones bent to fit the N gauge points if you're using DCC, as we are.



PRACTICAL BRM



ELECTRICS



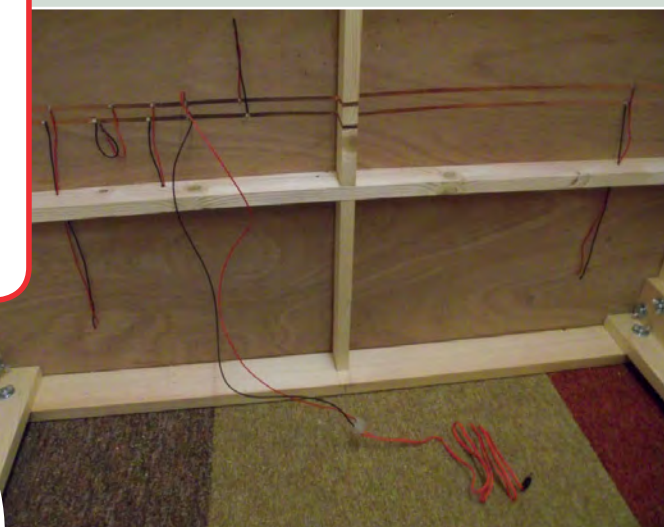
POINT MOTORS

Once you've proved that the train will run round the track reliably, draw around the track in its final position and mark the tie bar of the point (the part you push back and forth to change the point), along with its fixing slots. This allows us to remove the point

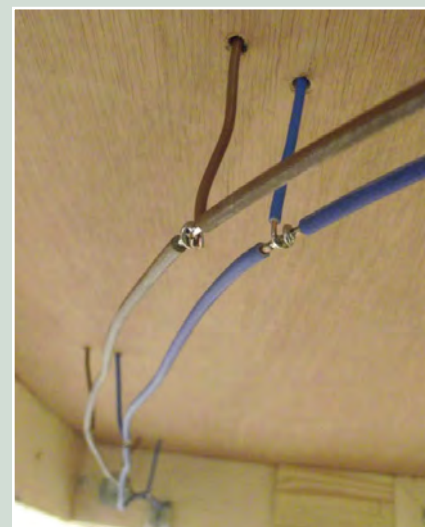
and drill holes for mounting the point motor.

You don't have to actually fit the motor at this stage, depending on the type being used, but preparing the baseboard before ballasting is a very good idea!

There are numerous types of point motor available, all basically doing the same job of moving the point tiebar left or right. You can cut a big square hole in the baseboard and attach the point motor directly to the point or you can drill holes and mount the motor below the baseboard.



Above A couple of views under the board showing the continuous 'power bus' and the droppers to every section of track.



In N gauge I prefer to drill holes as the point is quite small and the hole quite big, so it can cause the point to be a little unstable.

With some DCC systems you are able to control these point motors from the controller via an accessory decoder - again every decoder has its own unique ID or address. There is a range of different accessory decoders to choose from, some of which will still allow the point motor to be operated via a switch and the DCC controller. I prefer to use traditional switches or levers, there are many to choose from.

WIRING THE LAYOUT

I prefer to solder my wires to the track for a more reliable connection. I also make use of what is known as a 'power bus'. Basically this consists of two wires around the layout below the baseboard carrying power from your controller to the track. Your controller output cable is connected to these two wires.

I now solder wires to the rails and drop them through small holes in the baseboard. These are known as 'droppers' and they connect to the two wires creating your power bus.

BALLASTING

Once I've wired up the layout, I run a locomotive round just to make sure all is still OK. Then, using the longest locomotive or coach that will be used on the layout, mark out the ballast outlines. By holding a pen to the outside corner edge of the vehicle and running it around the layout a mark is left all the way round the outside of the track, I use this as a

guide to where I will ballast. I know that anything past this line will not interfere with the locomotive or coach when running. To give the inside guide line I put the pen on the inside middle of the vehicle.

This is where it comes down to personal choice what

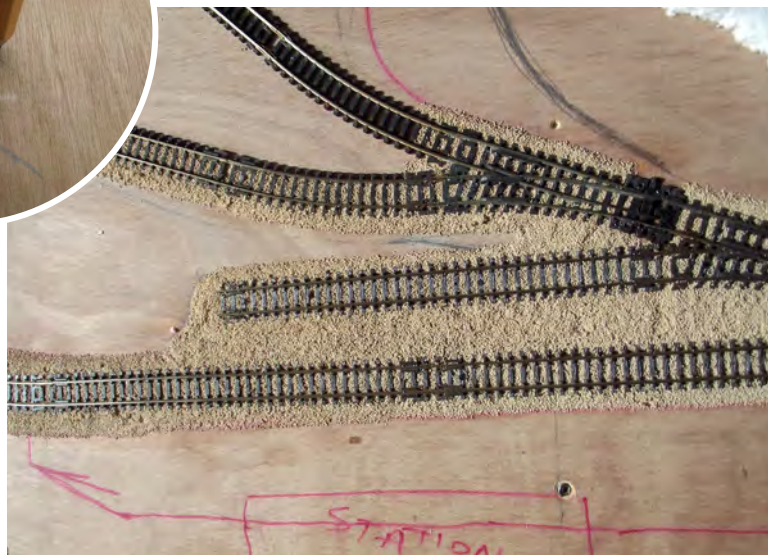
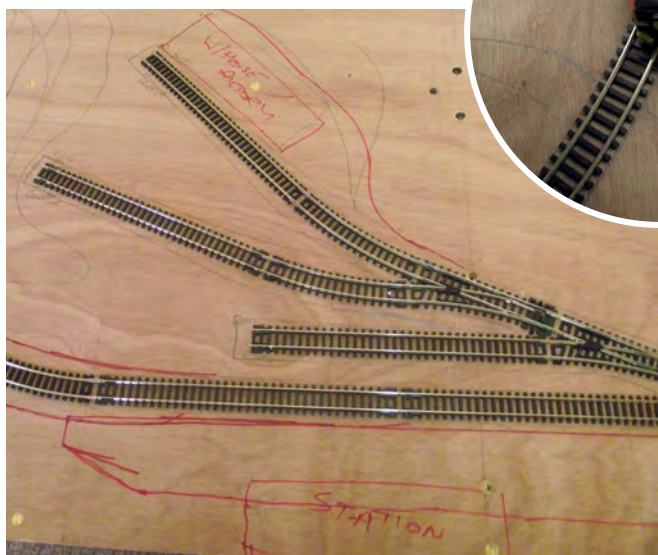
you want to put under the track to support it and deaden wheel noise. There is a wide choice of materials available; you can use thin cork sheet, Gaugemaster ready-ballasted foam underlay or lay track directly to the baseboard surface.

The foam underlay can give very smooth and quiet

running and if you intend to change the layout within ten years, it makes it very easy for the track to be lifted and reused.

For this layout I'm going to use granular ballast and fix the track directly to the baseboard.

Once the tracks are down I can sprinkle on the ballast and gently brush it so it's level with the line all the way round.



Once the track is laid and clearances set, mark out the locations of important buildings and features, preferably using the model as a template to ensure you get the footprint right.

You need to make sure that all droppers connected to the left hand rail go to one of the power bus wires and all of the droppers connected to the right hand rail go to the other. Swapping these anywhere will create a short circuit. However, once you're connected up you'll have a much more reliable power supply than if you relied only on the metal rail joiners.

If you have a large layout and get confused about which side of the track is which, I use a wagon with red sticker on one side and black on the other. I push the wagon around the layout and make notes on the baseboard about which colour is on which side, this means you can make sure you have the same coloured wire for each side of the track and avoid any problems later on.

I use a wagon labelled with stickers to remind me which wires go where.



Once everything is in the correct position, I use a mist bottle to spray the whole layout with water then apply the 75/2- PVA glue and water mix, with a drop of washing up liquid (to break the surface tension) using a small pipette.

Be very careful around your points as you don't want to glue these together. A drop of lubricating oil around the moving parts prevents the glue from sticking, but really take care not to cover the whole point with glue.

It will look a complete disaster when you're finished, but just leave it for at least 24 hours for the glue to set. Next, clean the tops of the rails and remove any ballast that has moved when you were applying the glue!

Check the inside of the rails and around your point blades to remove any small particles of ballast that could derail your trains. Also check that the points still work!

Once you've cleaned up, test a locomotive over every part of the layout to make sure everything is still in full working order. If not, trace the fault and rectify before proceeding. It's much easier to fix it now than after more scenic work has been done.

SCENERY

When you've tested a locomotive over the track and checked that the points still operate freely then it's time to start adding some of the main scenery items. I start with the bridges.

On this layout there are three bridges. I've used Scalescenes.com downloadable bridge kits as they give a great result and will fit the layout really well. I had already bought them for another layout so there was no need to buy any more.

I fitted the bridges in the position as shown from the layout plan and once in the correct position I ran a locomotive around the track to make sure it wouldn't hit them as it's a tight fit. Make sure that any alterations are done now before fixing them in place.

I used Metcalfe card buildings for this layout as they are widely available and give a very good result. Follow the excellent supplied instructions and take your time - if you rush you will see the flaws and they will always be there staring at you!

By placing the buildings on the layout at this stage you can move them around and make sure you are happy with their positioning. Once happy I mark their position on the baseboard and store them away safely for later. However, the bridges were glued down into their final positions.

Once the glue for the bridges had set I used cardboard and scrap foam packing to build up the basic shape of hills and roads, all the time making sure I left enough room to bring the landscape down to baseboard level.

At this point make any adjustments or alterations as required, as it'll be too



Above We're starting to build up the scenery using expanded polystyrene foam and stiff card for the roadway. Note that the track has been ballasted now too.

late when you've moved to the next stage.

I used rolled up newspaper to give some contours to the landscape, this will not be seen once it's been covered with strips of newspaper covered in PVA glue or using the bandage impregnated with plaster. Again, it's down to personal choice; you can use plaster bandage - often known as Mod-Roc - or strips of newspaper covered with glue to make basic papier maché.

I've used both and they can give great results. Plaster bandage dries more quickly and seems to form a harder shell, but papier maché is cheaper and easier to source.

There can be issues though; if you cut the bandage into thin strips it tends to clump up on itself and becomes unusable, so the strips have to be fairly broad. It's also white and if some bits drop off onto existing scenery they will be seen.

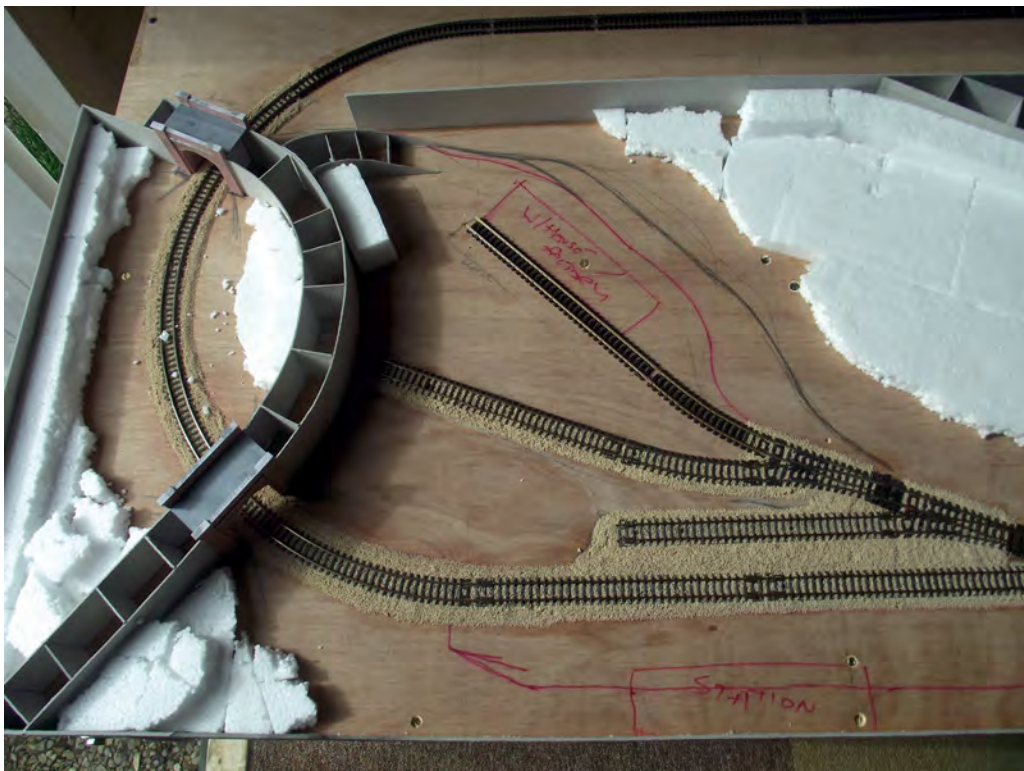
On the other hand, strips of newspaper and glue are good for getting in the nooks that are left around bridges and structures. Also, as it's PVA glue, it dries clear - another bonus.

You will need to put down plenty of layers and even then it can still flex where it sits on the rolled-up newspaper.

For this layout I've used strips of newspaper, which I coat both sides with the PVA/water mix.

The strips are laid over the top of the polystyrene/rolled up newspaper balls to create the landscape. I usually do about three layers running the strips across each other at 90 degrees to create a stronger structure. I then leave it to dry for 24 hours.

The day after I add more layers, but this time apply the neat PVA glue on the pre-formed landscape and put the strips on the glue, I then brush more glue on top of that.



When you have a small, flat layout, scenic breaks such as bridges can really help to break up the space and improve the visual effect.

PRACTICAL BRM



It's not completely solid and does flex a little, but for supporting grass scatters, hedges and the like it's perfectly acceptable.

Once the landscape has been formed and allowed to dry it can all be painted. I paint the roads black, but they will be covered with some sort of scatter to add some surface texture. The rest of the landscape I usually paint brown, before covering with different grass/soil scatters.

Once the paint has dried, I cover the landscape with PVA glue. The paint will lift a bit, so make sure you use a small pot of PVA as dipping the contaminated brush into a large pot will add unwanted colour or scatters as you progress. To keep the cost down, I buy a large tub of PVA and decant small amounts into another pot as I need it.

The first layer of ground cover is a mix of what I call standard scatters, the fine particles that are sprinkled on. I leave this to dry and then vacuum off any excess scatter that is still loose. I have a small dedicated hand-held vacuum cleaner for this so the scatter collected can be reused.

Once clean, I then dot PVA glue over the surface at various points. I don't brush as this will remove the



Once you're happy with the position of all your structures, papier mache is one way to form the contours of your landscape. Other options include plaster-impregnated bandage (also known as Mod-Roc) and Polyfilla, although these are much heavier materials.

scatter, but just dotting blobs of PVA glue all over to cover the area works quite well.

I then use static grass applied from either a puffer bottle or one of the many static grass application devices, which cause the grass fibres to stand up like real blades of grass.

I add more static grass of different lengths and shades to build up the landscape, again just dotting blobs of PVA glue over the area to be covered.

When making a start on the landscaping I put the fencing, hedges and bushes in position first. There's no plan to it, I just add little bits here and there and glue them into position. It gradually starts to come together, but it's not until the trees are added that it really comes to life.

I like to add a lot of trees, and try to place them as minimum groups of three, plus one or two standing alone. To me it looks better doing it this way.

Once all this is dry I then start to add different shades and lengths of static grass and different grades/shades of Woodland Scenics turf to add more depth and texture to the fields. I just add a little at a time randomly over the layout. It's very easy to overdo it so it pays to take your time, add a little bit then stand back, run the train around the layout for a while and you will start to notice gaps or areas that need more greenery. It's a gradual, but ultimately satisfying process.

Once you're happy, then the fine details can be added around the station and factory. People, belongings, furniture

tools and so on can all be added at your leisure.

Take your time at this stage, run your trains and enjoy the layout. It's easy to add a few detailing parts, at least now the 'train set' has become a model railway that you can add to.

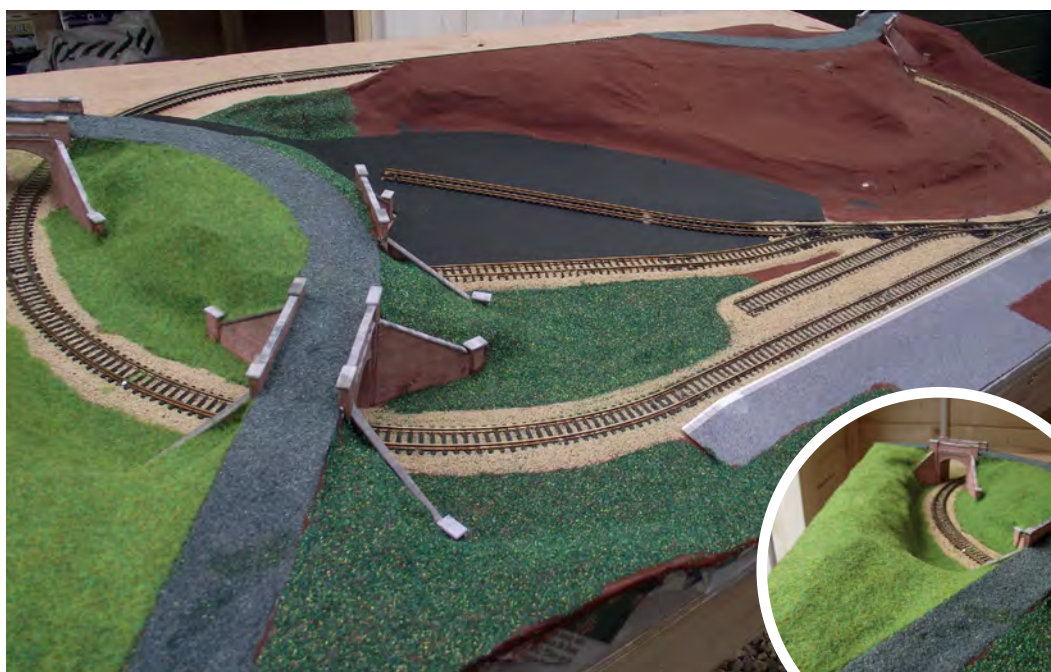
The layout is virtually complete, just a few detailing bits to put on, and the buildings to glue down.

I didn't keep all of the receipts but from what I can remember the total cost to build the layout to this point is approximately £380. This includes the Graham Farish train set with controller, locomotive and coaches, plus some of the track. Hopefully this project will be useful to someone and might inspire others to have a dabble at a quick and easy layout in N gauge. **BRM**



BACKSCENE

The backscene is just 2mm thick grey cardboard, which I painted using matt emulsion from a tester pot – the colour was easy to choose, it was called 'Sky'. I've glued ribs to the back of the board to help it stand upright. Across the bottom of these ribs I glued in some more strengtheners. Making a hole in these through the baseboard means I can hold it in place with tight fitting wooden dowels. If these become worn and loose I can always fit them more securely with bolts.



With the landscape dry and painted, you can cover it with scatters and grass materials, plus a tarmac surface for the roads and platforms. In the background is the painted, but un-grassed landscape.

Search for N Gauge



RMweb
BUY & SELL

www.rmweb-buyandsell.co.uk



The excellent Western Region train supplied with the Graham Farish 'Cornish Riviera' DCC set looks very much at home on the layout and provides an easy route in to digital N gauge railways.

USEFUL CONTACTS

Graham Farish

Stockists Nationwide

W www.bachmann.co.uk

DCCconcepts

Stockists Nationwide

W www.dccconcepts.com

W www.gaugemaster.com

Peco

Stockists Nationwide

W www.peco-uk.com

SEEP point motors

Stockists Nationwide

W www.gaugemaster.com

Rapid Online

Electrical components

W www.rapidonline.com

The N Gauge Society

W www.ngaugesociety.com

Dapol

Stockists Nationwide

W www.dapol.co.uk

OSBORN'S MODELS

DOING 'N' SCALE
on a
BIG SCALE



7 HONESTONE ST, BIDEFORD, N.DEVON, EX39 2DL 01237 423453

www.osbornsmodels.com

N GAUGE STEAM LOCOS

Painted and ready-to-run

Our ready-to-run model locomotives (not kits) feature smooth 12 volt can motors and powerful Delrin geared tender drives with double worms for super haulage power. These locos will pull your 14 coach trains up any gradients you have on your layout. Even 0-8-0 and 4-6-0 locos go round 9" radius curves with no problem and they don't stick on Insulfrog turnouts. Standard N gauge couplings.

Locos in stock now:

J11 0-6-0 tender loco BR blk..... £69.00
J11 0-6-0 tender loco LNER blk ... £69.00
J25 0-6-0 tender loco LNER blk ... £69.00
J26 0-6-0 tender loco BR blk..... £69.00
J26 0-6-0 tender loco LNER blk ... £69.00
J27 0-6-0 tender loco LNER blk ... £69.00
J38 0-6-0 tender loco BR blk..... £69.00
J38 0-6-0 tender loco LNER blk ... £69.00
J39 0-6-0 tender loco BR black.... £69.00
J39 0-6-0 tender loco LNER blk ... £69.00
D20 4-4-0 tender loco BR black... £77.00
D20 4-4-0 tender loco LNER grn ... £79.00
B12 4-6-0 tender loco LNER grn... £79.00
B12 4-6-0 tender loco BR blk..... £79.00
2F 0-6-0 tender loco LMS blk..... £69.00
2F 0-6-0 tender loco BR blk £69.00
3F 0-6-0 tender loco BR blk £69.00
3F 0-6-0 tender loco LMS blk..... £69.00

3F 0-6-0 tender loco LMS red £77.00
3F 0-6-0 tender loco S&D ble £77.00
2P 4-4-0 tender loco LMS blk..... £75.00
2P 4-4-0 tender loco S&D ble £79.00
Cauliflower 0-6-0 loco BR blk £69.00
Cauliflower 0-6-0 loco LMS blk £69.00
G2 0-8-0 tender loco BR blk..... £75.00
G2 0-8-0 tender loco LMS blk..... £75.00
7F 0-8-0 tender loco LMS blk..... £75.00
Class 700 0-6-0 SR blk £69.00
Class 700 0-6-0 BR blk £69.00
T9 4-4-0 BR black..... £77.00
LNWR 4-6-0 LNWR black £82.00
LNWR 4-6-0 LMS black £82.00
LNWR 4-6-0 BR black £82.00
D16/3 Claud 4-4-0 BR black..... £79.00
D16/3 Claud 4-4-0 LNER grn £79.00
Dean Goods 0-6-0 in GWR grn..... £72.00
Dean Goods 0-6-0 in BR blk £72.00

Add £3 post for one, £4 two or more.

UNION MILLS MODELS LTD. (BRM), 5, Union Mills Trading Estate,
Isle of Man, IM4 4AB Tel: 01624 852896

Debit, Visa & M/card taken

BRM
BRITISH RAILWAY MODELLING

BRM BACK ISSUES

**Our Digital Editions
go back to
April 2011!**



www.pocketmags.com/BRM





VALE OF LUNE

A good model railway is a moving picture, drawing the viewer into the scene. **Alan Ronalds** describes his methods for creating a convincing illusion.

FACT FILE

I SCALE/GAUGE
4mm: 1ft scale, 16.5mm gauge OO
I SIZE
20ft by 15ft
I ERA/REGION
1930s LMS
I LOCATION
Cumberland/Westmorland
I LAYOUT TYPE
Continuous loops
I WORDS
Alan Ronalds
I PHOTOGRAPHY
Andy York

A prototypical balance of express, secondary, local and goods trains is essential, as is careful planning of through portions, loaded and empty trains and Up and Down workings.

A model railway layout is a moving picture. The efficacy of the layout lies in the quality of the pictures. In other words, sophisticated prototypical movements should be reproduced on a regular basis. Many such movements or 'set pieces' involve short travel, and so it is necessary to balance the schedule by including large runs of simpler movement. Too many layouts do not achieve this balance.

Ideally, schedule planning should start at the track design stage. Good plans ensure that there are plenty of holding areas out front. There is little satisfaction for me in running a train out from the fiddleyard and having to run it back again. On a quick count there are nine holding areas on my layout. The arrangement is therefore versatile and permits a wide variety of movements or set pieces. The examples that I give are for a layout based on the LMS main line in the Lake District.

The size of the space available limits the trackplan. In turn the plan limits the number of trains, the choice of trains should therefore be carefully planned, so as to represent the prototype's characteristics; for example, steam era South Wales equals lots of coal trains.

Everything needs to be balanced; work out your best range of block trains, such as petrol, cattle, milk, iron ore (in my case), horseboxes and so on. Similar thought should be given to the choice of coaches and locomotives. Locomotive types will be obvious enough, starting with express passenger and working down to shunting types. As for coaches, consider local rakes, push-pulls, ordinary, secondary and express trains. Investigate the relevant coach formations for your location.

On my layout I need to represent ex-LNWR stock, Midland clerestories, 'Tatty' old Midland stock and Gresley coaches. The LMS era is covered by panelled and flush sided Period I to Period III vehicles.

Operators like challenges and they like variety. It is the responsibility of the owner to train, motivate and challenge operators, and also to entertain the visiting



2



3

ABOVE: An ex-LNWR 'Cauliflower' 0-6-0 heads for the turntable. These lightweight, but useful veterans were retained for use on secondary lines into the early BR era.

LEFT: 'Spotting' wagons for loading and unloading is a great way to add operational interest to your goods yard.

BELOW RIGHT: An LMS pull-push set, converted from old Airfix/Dapol non-gangwayed coaches is used for the branch train.

public. Most of us will have observed failures on both counts. Probably the best layouts are those with a strong prototypical influence, but with one or two concessions to operators and/or the viewing public.

Single operator layouts with a terminus have similar responsibilities. These layouts are obviously smaller with a simpler trackplan, but this does not preclude a detailed schedule.

EFFECTIVE PRESENTATION

Small layouts of diorama size don't have to be static. Recently I viewed two small layouts, both beautifully presented. One layout, 'Polpendra', was a hive of activity, the other was static. I visited it three times

ask the expert

Q What's the best way to add operational interest and variety to branch line passenger trains?

A Pre-Nationalisation companies kept fixed sets (two or more semi-permanently coupled coaches). The companies gave them a letter for identification purposes. The most famous of these was the Great Western Railway 'B' set. The set is, of course, available in model form in N and OO. At busy times they would be strengthened by adding extra coaches to the middle. Spare coaches - strengtheners - could be stationed on your layout, and

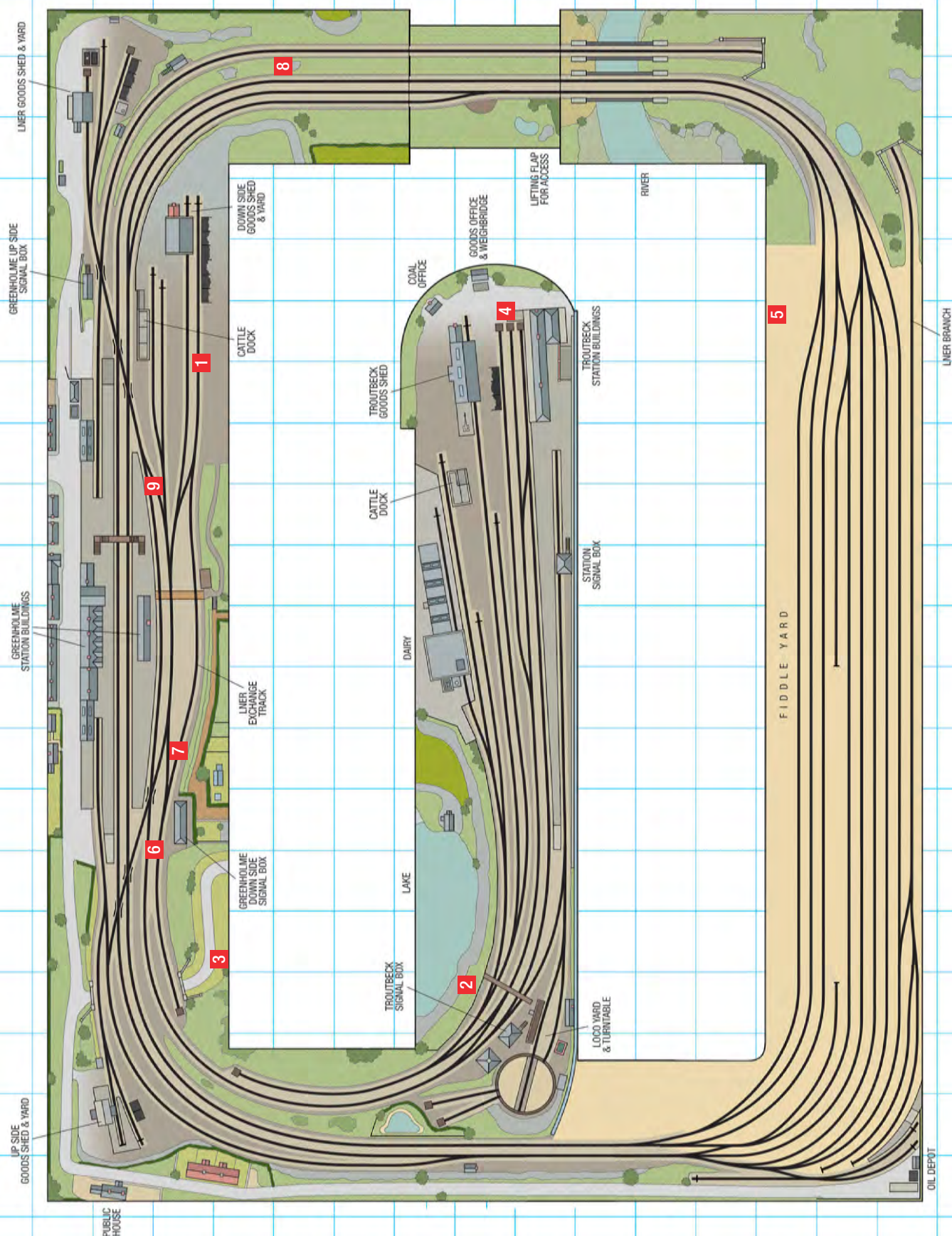
the changing of the formation would be a useful set piece.

Another handy way to add operational interest is by running 'through coaches'. These front-rank vehicles were different from the mundane branch coaches, usually having through gangways and being much more modern. In most cases the coaches would have been attached to the branch train, but I think it reasonable for a bigger locomotive to work the 'through' to its destination on occasions.



4

TRACKPLAN VALE OF LUNE



without seeing a rail movement. The difference? Concept and trackplan.

Larger model goods yards can have a wagon distribution plan: vans to the goods shed siding, a tank wagon siding, a milk depot, coal staiths and a miscellaneous siding to include all the surprise visitors. I like to have an empties siding.

North American modellers are good at 'spotting' - the placing wagons alongside appropriate lineside fixtures. BP road tankers, on my layout, appear on two of the goods yards, and operators are required to spot the BP tank wagons alongside them. I also spot a coal wagon for the milk factory and designate an empties siding.

I am familiar with the argument that the viewing public only lingers for ten minutes, but in my experience visitors will circulate the hall several times before leaving. Rotation means handling, and I realise that there may be objections from the 'hands off' brigade, but I can honestly say that handling damage has been absolutely minimal over a period of some 35 years. We railway modellers are usually careful people.



ABOVE: All fiddleyards, both portable and fixed, should have sufficient storage to allow stock rotation. This gives variety for the operators, and presents a fuller picture to visitors.

RIGHT: In the steam era, coaching stock fleets were constantly in transition and uniform rakes were unusual. Vehicles were cascaded down the 'pecking order' to mundane duties as they reached the end of their working lives, exemplified by the clerestory coaches in the centre of this photograph.

ask the expert

Q How did you design the layout to allow authentic operations for main line trains?

A I am an advocate of central reversing loops for circular layouts, what goes north should eventually come south. On my layout, my favourite locations are the 'Y' points that give access to the reversing road. This is long enough to take two trains at a time. Basically, Operator 1 drives

the train into the far end of the road, and Operator 2 carries out the reversal. During the course of the schedule all trains with 'identity' are reversed, this includes goods trains and famous named trains such as the 'Coronation Scot' (see below) and the 'Royal Scot'.



Operators should be supervised as some will need extra training and motivation. Additional motivation comes from work variety and challenge. I have seen the opposite: demotivation through monotony and inactivity. Give them set pieces such as changing locomotives 'out front', splitting trains or shunting exercises.

MAKING IT CONVINCING

How long is the schedule? Instructions for 'Vale of Lune' are written on 5in by 3in cards, which are placed in cut-down ring binders. The master file, used by the 'Fat Controller', started with three ring binders. The master file lists all the movements for the five control panels. It gradually grew from three to six files, as new trains and new ideas came into being.

I now come to the 'improbabilities', or in other words model situations that do not exist in real life. Locomotive sheds are required when trains start and finish from the location depicted. Some model sheds have large locomotives displayed. The adjacent stations can best be described as countryside and no trains start or finish there.

On circular layouts, 'out front' goods yards are too often poorly presented. No goods trains call to set down or pick up. No shunting by the station pilot takes place to illustrate the assembly of a goods train, or its distribution. At best a little 'shuffling' may take place. Sometimes the sidings don't even have road access!

Scenery and buildings need careful thought regarding their placing. There are some conjunctions which have been exhibited which are unbelievable, and are certainly wrong in terms of spatial relationships. Given that fiddleyard-to-fiddleyard layouts, like their fiddleyard-to-terminus brethren, do not require central

Scenery and buildings need careful thought with regard to their placing. Some conjunctions seen on exhibit are unbelievable, and certainly wrong in terms of spatial relationships.





ABOVE: An LNER J72 passes the small locomotive shed as it shunts a pair of Gresley non-gangwayed brakes used for the branch train from Greenholme.

BELOW: Greenholme sees trains splitting and joining, with smaller locomotives used to haul portions to and from Keswick. This can add operational interest and variety to a layout.

reversing roads, other efforts to develop set pieces should be made.

On the freight side facilities for end loading vehicles are an option, as is a cattle dock. A provender store would be suitable for 'spotting' wagons. Keep thinking about development and ideas will flow.

Reverting to passenger stock, on my layout I have several ways of splitting and joining trains. A Glasgow express arrives on the Down Main with through coaches from Manchester to Keswick. The Keswick portion is uncoupled, and the Glasgow train departs. A 4-4-0 located at the back platform (light engine movement from shed) backs onto the remaining

portion. The Keswick then follows the Glasgow express and diverts. The Down 'Lakes Express' also splits, but this time the rear portion is drawn back by the station pilot and shunted to couple with a 4-4-0 waiting at the head of the back platform. The trains leave together, side-by-side. In the Up direction the two portions are coupled on the Up Main.

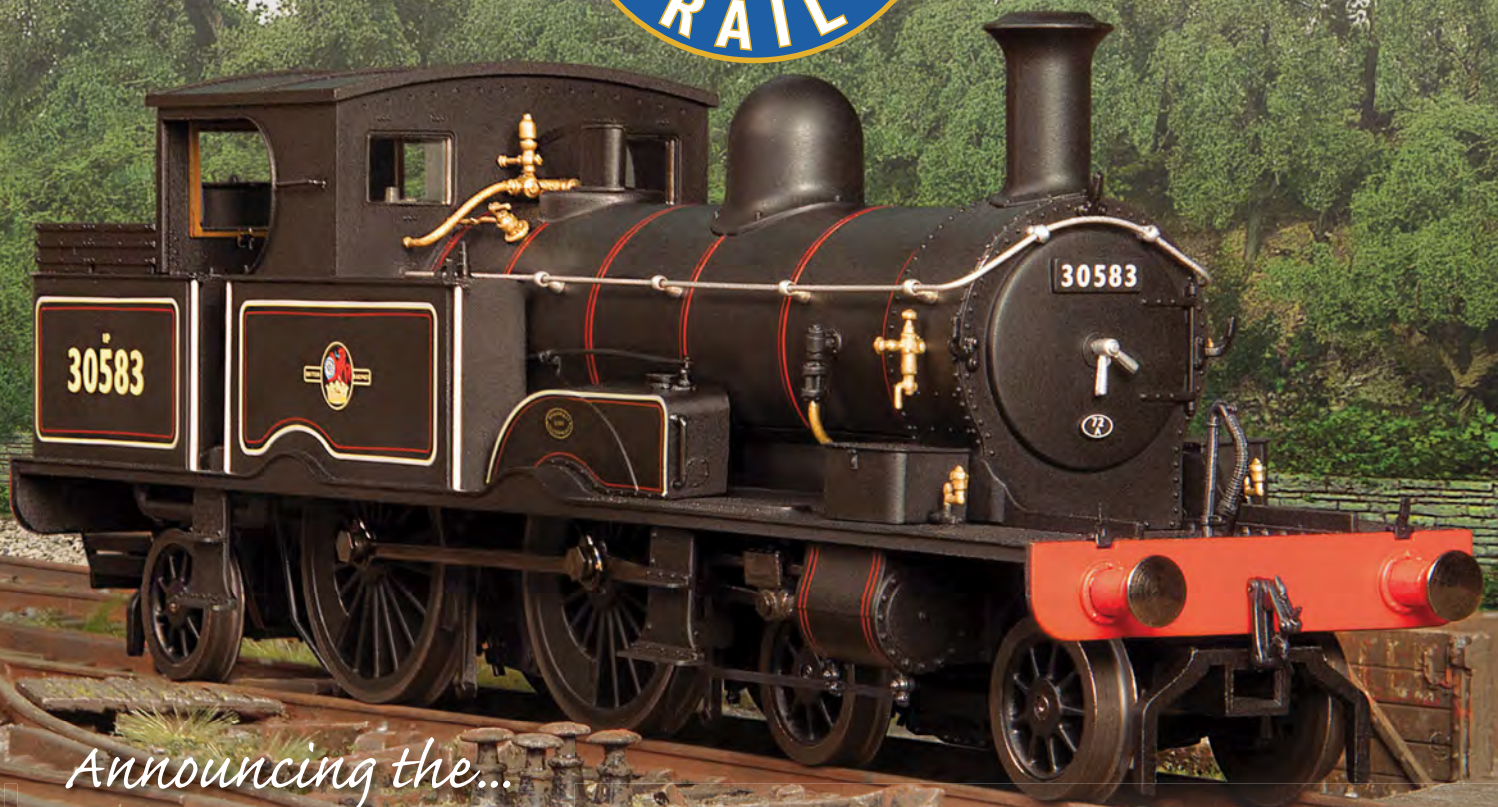
The back platform is used to house local passenger trains which are due to connect with expresses. This occurs in both Up and Down directions.

Bay platforms are underused on many layouts. Local passenger trains can convey an assortment of vehicles which can be detached and deposited in the bay. Bays are often used by push-pull trains or, in more modern times, railcars.

As another set piece idea, how about a heavy coal train with a banker at the rear? Or attaching a banker whilst 'out front' if the train locomotive is 'steaming poorly'. Ballast and other engineering trains are useful for causing diversions whilst they work.

A final example of a set piece on 'Vale of Lune' is the 'Dundee and Durham'. The Durham portion enters down the LNER branch and travels wrong road into the Up Main. It is deemed to be a 'stopper'. The Dundee portion follows and runs past the Durham on the Down Main. It then crosses to the Up Main and reverses to couple with the Durham. An LMS locomotive, waiting at the back platform, couples so as to take the train in the Up direction (a reversal). The train leaves for Blackpool and the two LNER locomotives head back to home territory. ■





Announcing the...

4-4-2 Adams Radial

- Smooth running 5 pole motor
- Pick ups on all drive wheels and rear wheel set
- High definition livery specification
- Separately fitted detail components
- Motor gearing to reflect scale speed operation
- Highly detailed cab interior
- NEM Couplings
- DCC Ready



Available soon: Adams Radial 30584 Early BR Livery - Due December and Adams Radial 488 LSWR Preserved Livery - Due January 2016.



In Pursuit of Excellence

To write a personal story on our interest in railways and modelling, as an introduction, before relating the design and structure of 'Kingswear', is an interesting challenge. Other writers speak of a lifetime of dedicated railway enthusiasm, showing skilled technical knowledge of trains and railway modelling at an early age.

This is the mantle that truly belongs to my fourth and youngest son Alex Seal. Without his unbounded drive, energy, exceptional dedication and infectious enthusiasm, 'Kingswear' would not have left the drawing board. These words are dedicated to his early tenacity and constant devotion to railways.

Whilst I am sure he would not approve of all the contents of this article, an older person late in life is happy to confess the errors of the past. To write is an excuse to rummage amongst the remembrances of life, to dish up experiences, sometimes only barely associated with railways, convinced that everyone will be interested.

HISTORICAL INFLUENCES

At home, my childhood bedroom window overlooked the City of Bath and its railway station. Below were the extensive goods sidings. These were blocked from view, but annoyingly could be heard. At bedtime the noise of shunting was not music to my ears, trying to sleep I laid in bed, counting the number of trucks as each was bounced into the next, wondering when it would end, and what was the purpose of this late night activity! Despite this, I was still happy to receive my first trainset, a Hornby tinsplate O gauge set, for Christmas 1939.

By the early-1950s, I was studying architecture in Bristol. In the long summer holiday of 1952, chance created renewed interest in historic railway transport. On a disused railway line near Bath, Ealing Studios was filming *The Titfield Thunderbolt*, so I decided to cycle out and visit the set.

On arrival the star, John Gregson, was being filmed loading fruit into a guards van. Edging closer, I was able to speak to friends who were being paid as extras. After arranging an interview with casting, I eventually received a telegram accepting me as an extra too.

The pay was unbelievable, but more memorable was the daily issue of neat lunchboxes. It was still a time of rationing, so every lunch was like Christmas! The film work seemed negligible, providing plenty of time for sunbathing and playing cards.

We did not meet the stars, except for *Lion* alias the 'Titfield Thunderbolt'. Days were spent being paid to sit in the historic carriages pulled by this beautiful wonderful steam locomotive through the glorious scenic countryside.

On one occasion though, I was asked to a stand-in for John Gregson for a distance shot of the train. On the slopes of the hill the cameras were rolling when suddenly Gregson's large hat blew away. Petrified, I stood motionless, not knowing what to do. Talking out of the corner of my mouth to the Cockney assistant in

FACT FILE

SCALE/GAUGE

1:152 scale, 9.42mm gauge 2FS

DIMENSIONS

37ft by 11ft 6in

ERA

1930s/40s GWR

REGION/LOCATION

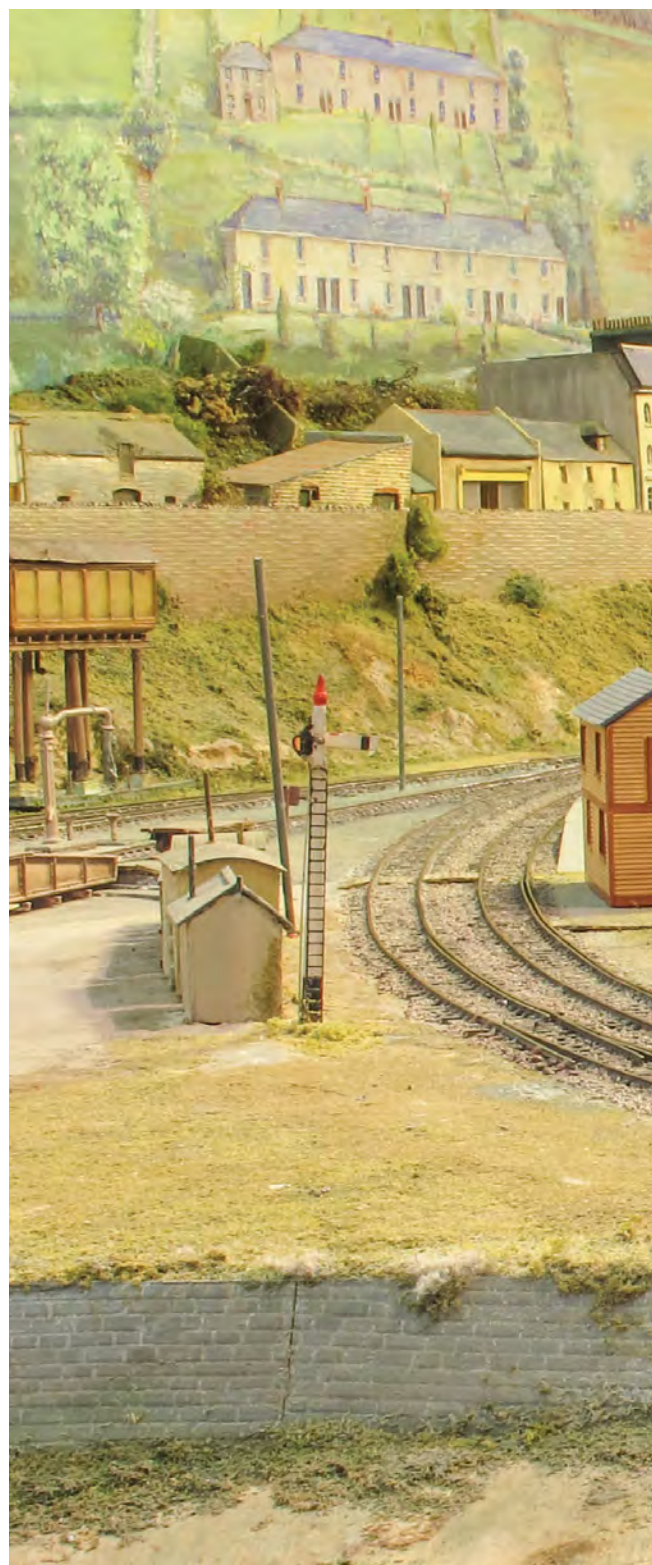
South Devon

LAYOUT TYPE

Fiddle yard to Terminus

PHOTOGRAPHS

Andy York



MAIN IMAGE: A 'Hall' 4-6-0 departs with a train of Collett stock. In the background, the goods yard is busy as preparations are made for the D-Day landings in June 1944.

the van, did not relieve my dilemma. My work was for the cutting room floor, nothing of my film career has been identified on the silver screen!

This encounter with the 'Titfield Thunderbolt' brought me closer to the history of our railways, with a greater appreciation.

In the 1980s my fourth son Alex was born; at the time I had no idea he would bring me back to railway modelling. One of our first visits to a model railway exhibition was the 'Brunel 87' event in Bristol.

See more on the DVD

Look out for a video feature and interview with Mervyn Seal on this month's **BRM** DVD.

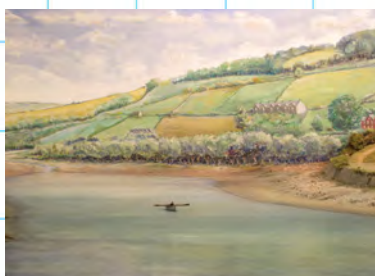
1



KINGSWEAR

Mervyn Seal charts the long journey that eventually led to the construction of this outstanding exhibition layout.

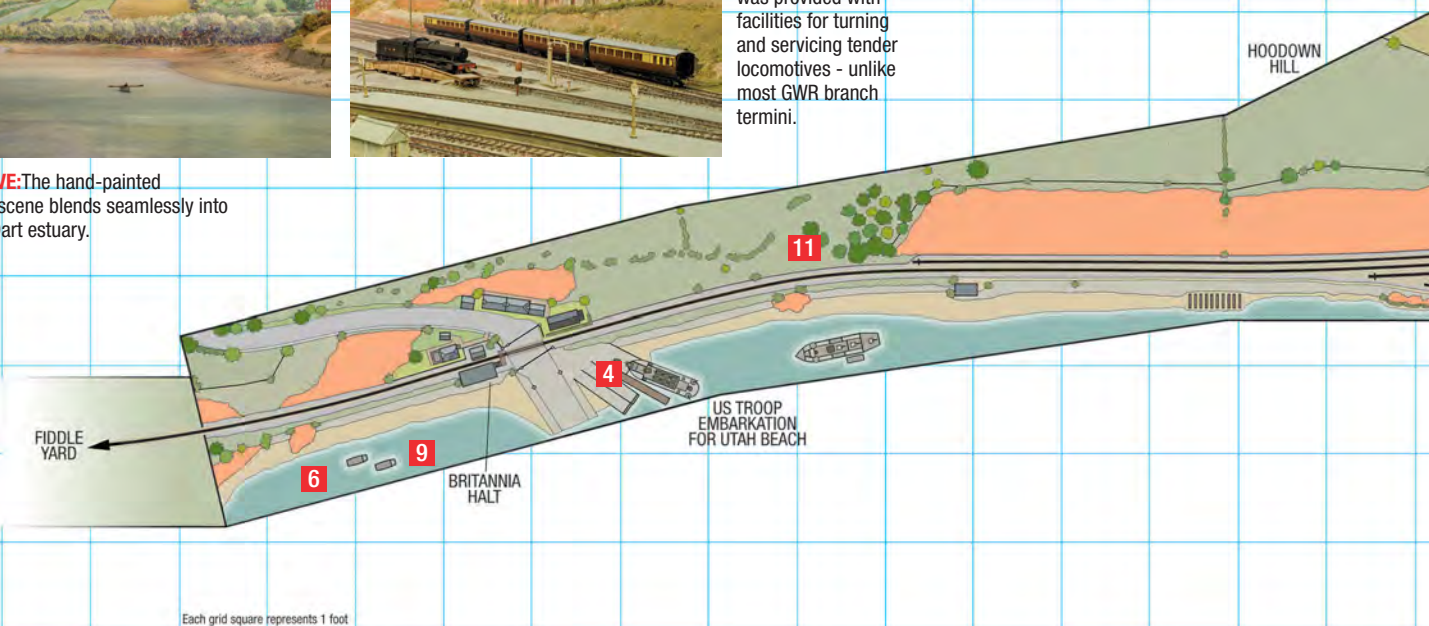




ABOVE: The hand-painted backscene blends seamlessly into the Dart estuary.



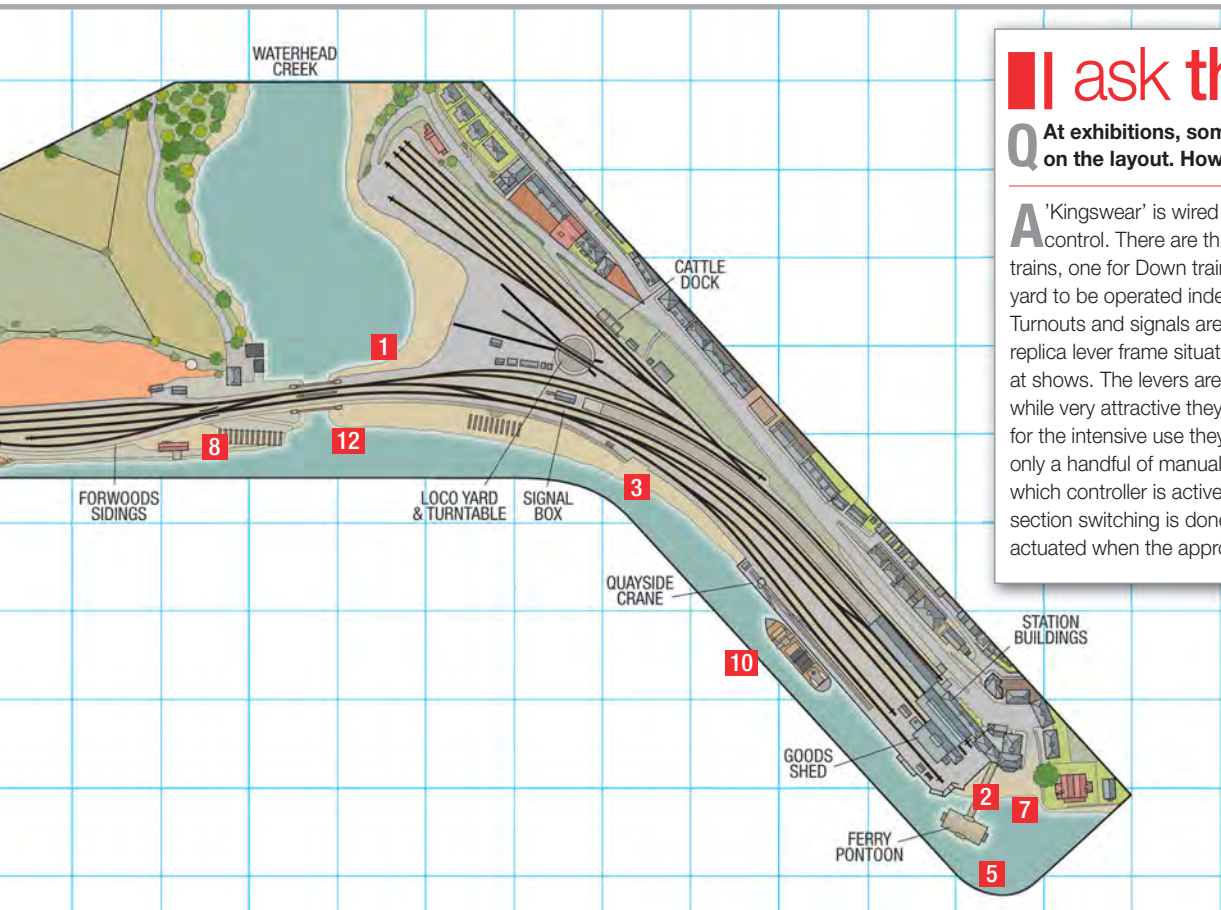
LEFT: As the destination for trains such as the 'Torbay Express', Kingswear was provided with facilities for turning and servicing tender locomotives - unlike most GWR branch termini.



ask the expert

Q At exhibitions, something is always happening on the layout. How is it controlled?

A 'Kingswear' is wired for traditional analogue (DC) control. There are three controllers, one for Up trains, one for Down trains and a third allows the goods yard to be operated independently of the main line. Turnouts and signals are controlled from a miniature replica lever frame situated at the front of the layout at shows. The levers are from a Brassmasters kit, and while very attractive they are not quite strong enough for the intensive use they get at exhibitions. There are only a handful of manual section switches to select which controller is active in which section. Much of the section switching is done through a system of relays actuated when the appropriate levers are pulled.



The modelling, to us, was very impressive, but there was no thought that one day we would embark on a similar project. The model that gave greatest inspiration was 'Exbridge Quay', by Dave and Shirley Rowe. Exquisitely detailed with a working hoist and seagulls, it took a formidable 7,500 hours to construct.

There was never a thought, or wish to compete by constructing a model ourselves, only to admire the very competent workmanship. We became regular visitors to the Brunel exhibitions. A truly inspirational model was of 1930s Burnham-on-Sea, in 2mm finescap by Denys Brownlee. In my ignorance I said; "Oh, this is N gauge" only to be politely corrected by Denys, who went on to explain the finer points of 2mm finescap modelling. Denys went on to become a great influence on our own modelling.

CHOOSING KINGSWEAR

Alex's constant enthusiasm led to the decision that it was time to build a genuine model and design a layout. Alex was constantly drawing out potential track layouts. At first we were over-enthusiastic in selecting Brunel's 1864 Tamar Bridge including Saltash station and sidings. Research in Plymouth Library was disappointing revealing little or nothing of modelling value. A visit to Swindon to research GWR records, gave no further encouragement.

Alex's criteria for a layout was to be able to carry out shunting as well as main line running. It therefore seemed logical to choose the our home location of Kingswear

with its three groups of sidings, Wharf coal sidings, Waterhead Creek and Forwoods sidings at Hoodown.

Alex's stock at the time was OO gauge but when we drew the plan of the station building and calculated the length of the platform in 4mm scale it was an astonishing 11ft 6in long. The station and sidings would have been in excess of 30ft and trains would never have left the station. It seemed ambitious for a first genuine model but Alex suggested building it in N gauge, allowing the station layout to be reduced to around 16ft. Unbeknown to us at the time, it would be a stepping stone to eventual move into 2mm Finescap modelling.

As a father, the educational benefits of the hobby were obvious, to cultivate skills of carpentry, electrical, painting and modelling for ourselves, and personally to deflect my ignorance of computer technology, to be mastered much later on.

GETTING STARTED

By now I must admit to a great excitement for the forthcoming project, constantly fired by Alex's single-minded enthusiasm and critique if I had not substantially progressed on my part of the project during the week. Eager to start on the real modelling, the design and construction of baseboards was deferred to assemble the 69in long curved platform, drawn on an old piece of hardboard.

But, it was essential to think about baseboards. Their size was determined by the unknown challenge

LEFT: Despite its size, there's great attention to detail throughout the layout, not least in this view of the goods shed and distinctive train shed behind.

ask the expert

Q Why did you decide to change from conventional N gauge to 2mm Finescale (2FS)?

A If there was a time, a place, a person that set the course for our change from N to 2mm Finescale it was a visit to the West of England Exhibition in the 1990s. We saw a small, delightful 2mm exhibit, by Mathew Wald. I remember particularly the fine post and wire fence, with amazing perfectly taught wire, and my the desire to emulate such details.

Mathew was offering a hands-on experience specifically for young people. He had set up a track assembly jig with rail, sleepers and roller gauges to show the ease of 2mm track construction. What was most impressive the genuine, friendly way he involved any passing young person, encouraging them to solder and construct their own track to take home. Alex took up the offer with enthusiasm, soldering a length of track with aplomb. Naturally there was then serious discussion of the merits of 2FS and the feasibility of changing over from N gauge track.

This was unknown territory, I awaited to see if the interest would remain, or be forgotten. However fate set the course of action when Alex met a modeller wishing to sell his 2mm track assembly jig and other items. We had to decide whether to start from scratch and rebuild boards 1-3 with new track and rebuild the existing village and landscaping afterwards.

In hindsight, the final decision was probably the wrong one. We built the new 2mm track on 9mm plywood, cut out the old N gauge track base and part of the structure, to later insert the sections of new track boards aligned, levelled and screwed to the original framework with the scenics. It was a mammoth construction project in 2mm; with the hand-made turnouts, single and double slip, and lengths of subtly curving track made to faithfully replicate the 1930s track layout.



and the fear of alignment of up to six tracks crossing board joints. Basic baseboard size evolved from the requirement to be light enough for one person to carry through a doorway and transportation in a Mini Metro car. This determined a length of 5ft 11in by 2ft.

To maintain lightness I resisted the ease of 2in by 1in timber framing, using more expensive planed timber at 45mm by 12mm. Strength was achieved by forming an angle, with two lengths glued together for the outer framing.

As time passed the support trestles increased in height twice, at the instigation of Alex. Eventually the optimum height was determined at 46½in for the River Dart level, with the track on embankments at a higher level for viewing.

The volunteer stationmaster at Kingswear was very helpful, lending us a British Railways scale plan of the track layout, which was re-scaled for accurate setting out of the track.

This important part of the model was Alex's forte, his task was to decide on suitable standard N gauge points. Despite great efforts he was unable to replicate all the subtle layout turnouts of the prototype using proprietary track without some compromise and poor alignment. These problems were not to be properly resolved until the freedom of design provided by hand-built track was realised in 2mm Finescale.

2MM INSPIRATION

In the mid-1990s, probably 1994, a visit to the Railwells exhibition provided some interesting thoughts. There were the usual varied scale models but notably we saw eight models in 2mm finescale (2FS), and an expert demonstration by Neil Ballentine.

Our model of Kingswear in N gauge was progressing well at this time. I must confess that whilst full of admiration, I did not at the time appreciate the expense - or purpose - of altering locomotive stock and labouring to construct track for a minor dimensional adjustment. This was another world.

Denys Brownlee was exhibiting again, which gave

ABOVE: One of the layout's signature trains is the armoured train powered by a camouflaged LNER F5, which patrols the line.

LEFT: US Army armoured vehicles wait to cross the line at Britannia Halt, ready to board a landing craft for their journey to Normandy.

RIGHT: An unmistakable location, modelled complete with the jetty for ferry passengers crossing the estuary to Dartmouth.





"'Kingswear's' debut was an experience best forgotten. In reality it was a valuable lesson, revealing a multitude of do's and don'ts for our future outings."



another opportunity to admire his fascinating 2mm model 'Burnham-on-Sea' and importantly to study his supreme quality plywood buildings, to wonder again how he achieved cutting the window openings so neatly.

When I related my initial thoughts on 2FS to Alex, he did not demur, but I sensed that he did not agree, he spent a long time studying the exhibits. The seeds were sown, we were growing up from toy trains to scale realism.

EARLY DAYS

The model progressed, my enthusiasm soared, eager to have a first public display. Alex was not so keen, he was right. My motive was to set a target date, to get the track and locomotives running.

We were still amateurs, the suitable informal venue was an offer to exhibit the embryonic model in the booking hall of Paignton station.

The model was far from finished, so there was a last minute rush to enhance the scenics. Alex had a video showing how to ballast, illustrating laying very liberal amounts of diluted PVA. It was a great error to ballast at the last minute without ample time for cleaning and testing. Also previously Alex had spent many hours on carefully constructing the first control box.

For the event, Alex crawled under the boards to connect about 30 loose wires from the connecting



6

LEFT: In the late-1990s, the layout was extended to include the Higher Ferry and Britannia Halt, being passed here by a branch train hauled by a 57XX 0-6-0PT.

BOTTOM LEFT: The grand station buildings at Kingswear overlooking the Dart and covered walkway down to the ferry.

BELOW: Extensive research and field visits greatly enhanced the quality and detail of the model, leading to features such as the old Noss Creek timber trestle supports seen here in the foreground.

blocks on the model to the control box.

In the end, 'Kingswear's' debut was an experience best forgotten. In reality it was a valuable lesson, revealing a multitude of do's and don'ts for future outings.

A second outing brought an offer by Paul Edwardes to bring his greater expertise to assist on the electrics, so we arranged weekly model evenings. This then led to our use of first names: Mervyn, Alex and Paul, as founder members, to create our little group's title, MAP Model Railway Group.

EXHIBITION EXPERIENCE

The first genuine exhibition for 'Kingswear' was in 1997 at Newton Abbot, as part of an exhibition to celebrate 150 years of railways in the town. A hidden loop with a gradient for returning trains proved to be a big error and had to be abandoned in favour of a fiddleyard.

Unfortunately, the usual size of van was not available so a spacious 'Luton' was provided instead. This gave plenty of room to spread out the boards but after the exhibition, board two was leaned against one side of the van. Some erratic driving caused it to fall face first on to a box. The damage was horrendous requiring a complete rebuilding of the dented, twisted rail and points.

Around the same time we decided to extend the model by two further boards to include Britannia Halt adjoining the Higher Ferry.

The next exhibition was in 1998, in my old home town of Bath. We were better prepared, having

ask the expert

Q There's a great deal of authentic detail in the model. How was it researched and what archive sources were used?

A The Historical Model Railway Society encourages railway related education for young people through its Education Award Fund. The worthwhile cash awards are designed to cover costs of films, maps and travel to complete a thesis suitable for publication in the HMRS Journal.

Alex's application was readily approved by the HMRS. The scheme proved very interesting to research libraries, archives, drawings from the 1860s and field studies. Progress on the model slowed as interest in the research by Alex, and myself as assistant, became a priority. It was of great interest obtaining information, photographs and plans from the National Railway Museum, local museums, libraries, county records and Swindon Railtrack archives. The studies gave meaning to incidental finds abandoned along the track, as our knowledge of Kingswear and the surrounding area increased.

It was most exciting to discover remains of the 1864 Noss timber viaduct, consisting of 13 spans supported on timber piles set deep in the mud of Noss Creek. Our field study identified the remains of the original timber trestles still protruding from the mud after 130 years.



8

We also discovered various artefacts from the Second World War hidden in vegetation, some of which were eventually incorporated into the model. Alex's article on the history of the Kingswear line was published as a series in the *HMRS Journal*. The knowledge gained, greatly authenticated our modelling.





constructed a stacking frame for transportation of the regular shaped boards. These house the boards like a drawer unit, sliding in and out on their previously built angle side frames.

On the new boards - 4 and 5 - buildings were initially outlined in grey block form for detailing later but the 2FS track was laid and landscaping was complete. In a change to design policy the outer boards had a higher backscene, and boards 1-3 were soon changed to match.

We were surprised to be approached by exhibition scouts, saying they would like to invite the layout to York and Warley shows, both prestigious events. At the time this seemed an extraordinary recommendation; perhaps they had not noticed the hesitant running on the N gauge track and some problems on the 2mm finescale track on the new boards. Afterwards the decision was made not to exhibit again until the changeover to 2FS was complete and testing was finished.

This gave us a year and a few months for the requisite conversion, requiring an amazing 12,000 soldering joints in total for a complete change to 2FS.

My son Julian was, at the time, a very keen military modeller with a particular interest in the Second World War. His interest encouraged the decision to finally complete the new boards as they might have looked in June 1944. He built landing craft replicated in every detail, US troops and armoured vehicles embarking to land on Utah Beach on D-Day. It is one

of my favourite areas of the layout, recording a famous day in our history.

But, despite all this work we were not ready for York. We were positioned next to the 2mm Scale Association stand and its experts had a good view of 'Kingswear' all weekend. The running of the converted locomotives was seriously tragic. Whilst it was somewhat embarrassing, the saving grace was the loan of two locomotives to exhibit reasonable running.

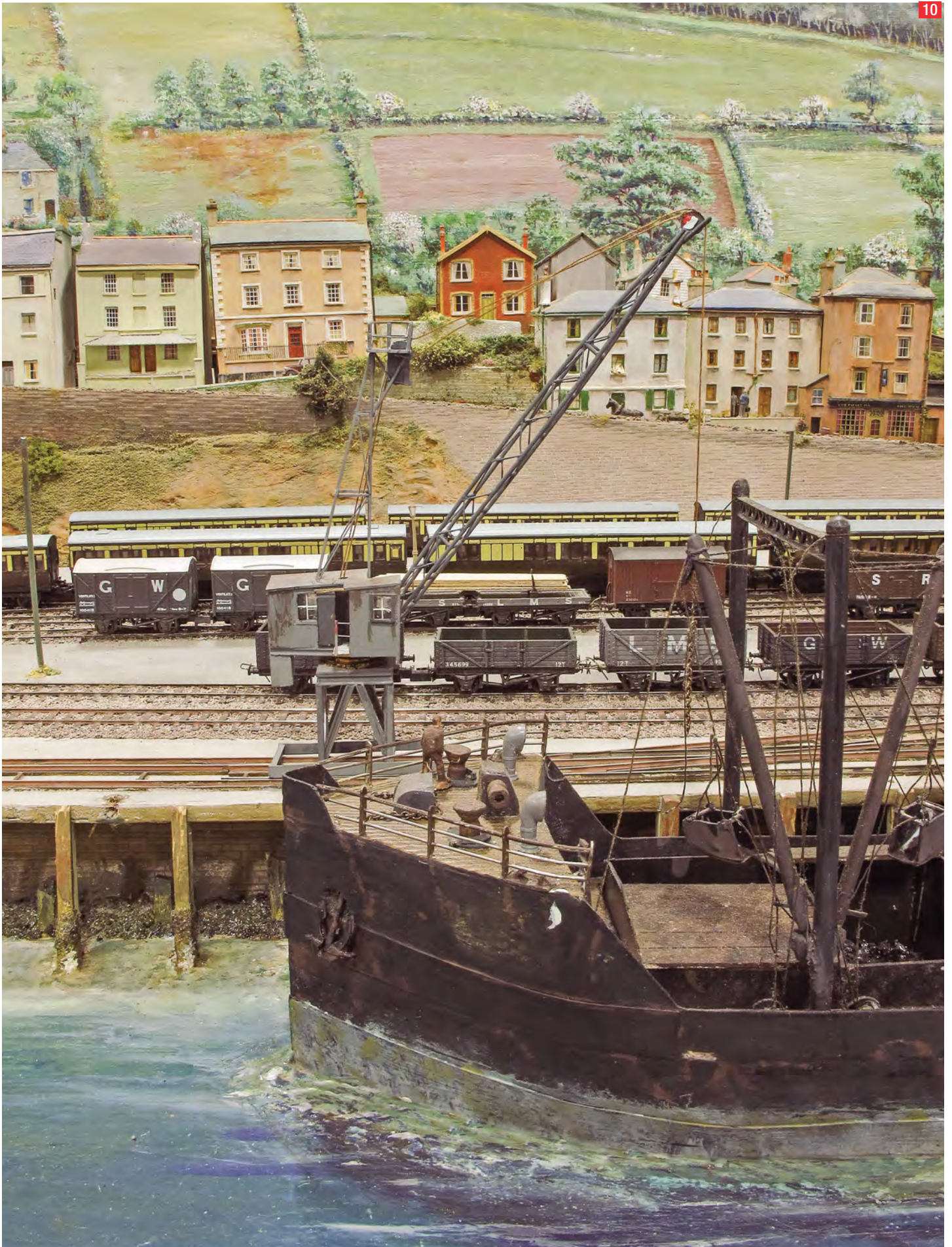
LOCOMOTIVE FLEET

In the very early days Graham Farish locomotives were used, converted to finescale standards using Neil Ballentine wheels, then available from the 2mm Scale Association. These wheels had steel tires on plastic centres and were prone to distortion with changes in temperature and humidity. Later the association introduced conversion kits using all-metal wheels, running in bearings mounted on PCB sideframes overlaid on the Graham Farish chassis block.

This was applied to an old Graham Farish GWR 57XX pannier tank which proved to be a good runner. Our own home-made version of this conversion was later applied to a Farish 8F chassis, forming the basis of the 28XX 2-8-0 and to a 41XX 'Large Prairie'. The revolution in motive power came with introduction of the Dapol 'Hall'. It was possible to turn the cast metal wheels on a lathe to reduce the thickness of the flanges, suitable spacers being added to bring the axles to the correct

ABOVE: US Army troops practice landing manoeuvres as a GWR 28XX 2-8-0 coasts down the gradient with another load of supplies, including a couple of gunpowder vans.

RIGHT: Every available resource was called into action prior to D-Day and many normally quiet locations were transformed into hives of activity.



ABOUT US

If you are interested in inviting 'Kingswear' to your exhibition please contact us at kingswear@hotmail.co.uk

gauge. A second advantage of the Dapol models was the square axles that meant setting the quartering, often a difficult task in 2mm, was not necessary. This method of conversion has been applied to two Dapol 'Halls' and a 57XX 0-6-0PT, with a new 'Grange' in the process of being converted.

The majority of the carriages in the early days were generic Graham Farish 'suburban' and 'main line' types and we still have quite a few of these in service. They have been re-wheeled using 2mm Association axles which simply clip in in place of the originals. These are supplemented by some kit-built coaches including those once available from Ultima, now available again from Etched Pixels. Ultimately the old generic coaches will be replaced by more accurate models of GWR coaches including models built from Worsley Works etched brass components as well as converted ready-to-run items such as the Dapol Collett coaches now in service.

Goods stock is mostly converted Peco and Graham Farish models mixed with a number of both N and 2mm plastic, resin and etched kits from various sources. We are also in the process of weathering much of the stock.

We have found that by following National Model Railroad Association (NMRA) recommended practice (RP20.1) as closely as possible for the ideal weight of goods and passenger vehicles we have experienced much better running, fewer derailments, and more reliable coupling and uncoupling. It is not always possible to get the recommended weight into our tiny 1:152 scale rolling stock, particularly open wagons, but nevertheless the improvement has been outstanding.



RIGHT: No Second World War layout would be complete without a couple of Spitfires.

OPPOSITE PAGE: Modified RTR models are gradually replacing the older kit-built and generic stock, such as this Dapol 'Hall' departing with a set of Collett coaches from the same supplier.

OPERATING SEQUENCE

For many years at exhibitions we tried to run a sequence based on the real train movements at Kingswear in the 1930s. We found this was enjoyable to operate but with such a long single line layout there were long periods with nothing happening while coaches were shuffled around the station and other shunting took place. So several years ago we adopted a simplified operating scheme where much of the shunting was eradicated and trains run on a kind of 'ping-pong' system when one arrives at the terminus the next is already waiting to depart and starts as soon as the arriving train is clear of the single line.

This provides much better entertainment for the public at exhibitions, but relies on the concentration and co-ordination of two operators at all times! On top of this we have a few prototypical 'set pieces' which we run from time-to-time, including the 'Torbay Express', goods trains, coal trains and even an armoured train powered by an ex-Great Eastern F5 2-4-2T commandeered from the LNER.

In the very early days of the layout in 2mm scale guise it was lucky if a train made it from one end of the layout to the other without derailling or stalling. It has taken a great deal of time to ensure reliable operation there is no room for the 'that'll do' approach. Only perfect is good enough, especially with the minute tolerances encountered with 2mm scale modelling.

PLANS & IMPROVEMENTS

The layout is over 20 years old now and sometimes shows its age. As a result there is a steady stream of repairs and renewals to be carried out to keep things running. The layout was fully re-wired in 2006/07 eradicating some of the 'spaghetti' within the control panel and beneath some of the boards stemming from the early days of the layout.

We are continually adding new features. The signalbox is currently nearing completion and there are plans for the footbridge, a feature missing for many years, plus a model of the famous ferry 'The Mew'.

As a showpiece for exhibitions to accompany the signalbox lever frame will be a replica of the electric key token machine on the operating desk. This will function in conjunction with a similar simplified machine behind the scenes so that a key/token must be 'out' before a train can be sent onto the single line section.

As our model trains cannot carry a physical token, a form of virtual token is planned whereby a 'token out' lamp must be illuminated before a train can proceed onto the single line, and the lamp may only be illuminated providing it is 'released' by the signalman as in real life. Other plans are to make the turntable operational and add working crossing gates and their associated distant signals at Steam Ferry Crossing by Britannia Halt. There are other possibilities too; lighting in the buildings, day/night lighting, ambient sound effects an interactive display for exhibitions, and much more! ■

"We are continually adding new features. The signalbox is nearing completion and there are plans for the footbridge and the famous ferry 'The Mew'. There's also a steady stream of repairs and renewals."





A clean ballast wagon is a rare sight. This wagon – DB983000 – would probably never look as good again. Note the ‘ESC’ marking, denoting the Engineers Department, Scottish Region, and its allocation to Aberdeen. It is the first ‘Dogfish’ wagon built to lot 2939 in April 1957, emerging from the works of Charles Roberts in Wakefield. PAUL BARTLETT

GONE FISHING

With new releases from Heljan of both the 24T ‘Dogfish’ and 19T ‘Catfish’, **Howard Smith** looks back at the career of these small engineers’ wagons.

When we romanticise about railways of the past, it's the impressive stations, named express trains and main line locomotives that are the most evocative. The humble ballast wagon rarely gets its moment in the limelight, despite being essential to the smooth operation of the railway. Other than the odd squeak, creak and groan as they go about their business, they're largely taken for granted, even by those with a deep interest in railways.

So, let's overlook locomotives for a moment and celebrate the humble ballast wagon – the underdog of

Britain's railways. Here's to the two main small variants used during the nationalised era of BR – the ‘Catfish’ and ‘Dogfish’.

TRUSTY DESIGN

Following the Nationalisation of Britain's railways in 1948, more than a million wagons from the GWR, Southern, LNER and LMS fell under the control of the newly formed British Railways. The engineers' fleet it inherited was one of the most under-invested areas. Many of the vehicles were outdated, in poor condition after the Second World War, had low payloads and more importantly, many weren't equipped with train brakes.

Rationalisation and a much better, more standardised fleet of modern wagons was urgently required. This would simplify maintenance, reduce costs and improve efficiency, but required a major investment.

In its early years, BR took the best wagon designs of the ‘Big Four’ and continued to build them as they were, or adapted the most useful types for use on the railways of ‘modern Britain’. In 1951, a new batch of two-axle 17t ballast hoppers derived from the LNER ‘Trout’ was introduced. Known as ‘Mackerels’, they were built by Metro-Cammell. Four years later, in 1955, the same builder rolled out a further evolution of the design. Built

to lot 2682, and given the designation ‘Catfish’ these 14' wheelbase wagons with vacuum brakes had an increased payload of 19t and were of fully welded construction, unlike their riveted predecessors. The same centre chute discharge was retained, the opening of which was controlled by a large wheel at one end. At the other end, beneath the hopper, was a vacuum cylinder and at chassis level a handbrake wheel eliminated the need to chock wheels when not in use, reducing the risk of runaways.

The ‘Catfish’ design was a success, but like its predecessors it could only drop ballast between the rails and the only effective way to evenly distribute

Let's overlook locomotives for a moment and celebrate the humble ballast wagon – the underdog of Britain's railways



Waste ballast, known as slag, was often re-used by the Eastern and North Eastern Region on secondary routes. During the 1960s, almost a fifth of 'Dogfish' had gin side extensions fitted to the hopper bodies for carrying slag. DB992796 was one, photographed at Hitchin on March 3 1983. PAUL BARTLETT

it was to use ballast ploughs, such as those on the 'Shark' brake vans. An alternative design was required to overcome this, so in 1955/56, a batch of 24t capacity wagons was built by Charles Roberts in Wakefield. These had the same underframe and running gear as the 'Catfish', but a deeper hopper body and three discharge chutes instead of

one, allowing ballast to be dropped onto the outside of the rails on both sides. This arrangement required three separate door wheels on the platform end, one per door. Under the traditional 'fishkind' naming system used for departmental vehicles, they were known as 'Dogfish'.

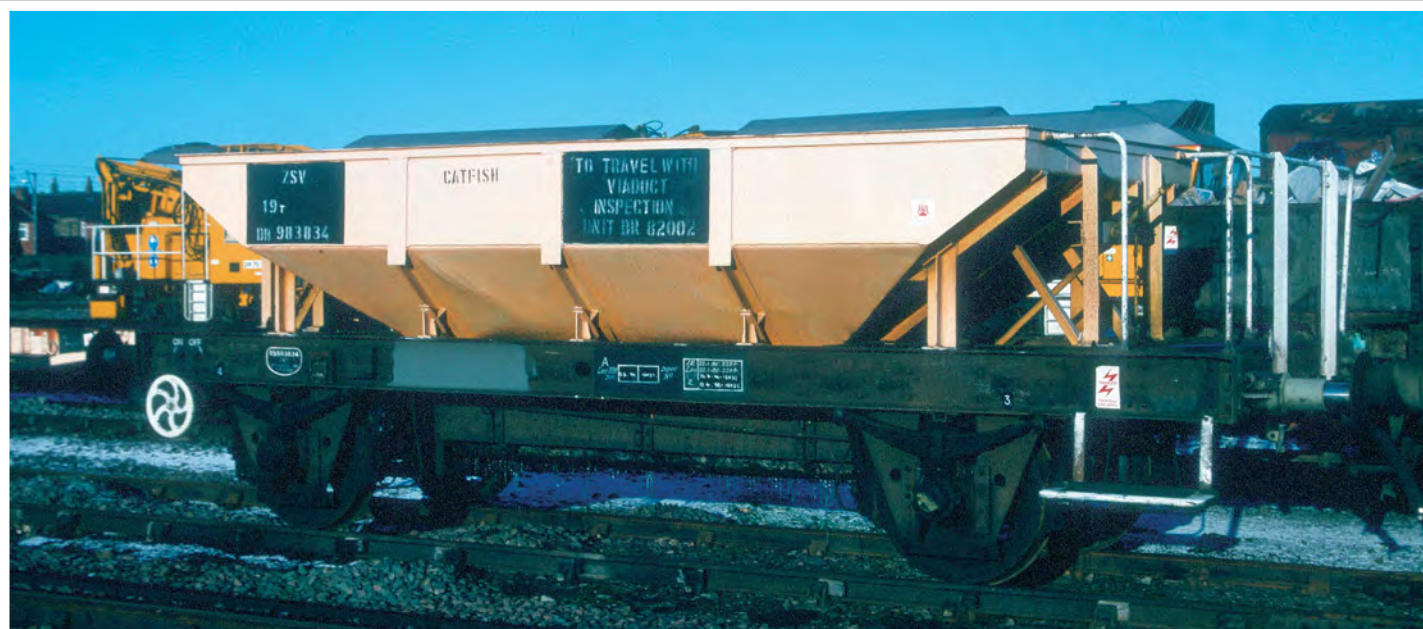
Under the Total Operations Processing System (TOPS), introduced

from the late-1960s, the 19t hoppers gained the TOPS code ZEV, while the 24t 'Dogfish' became ZFVs. Batches of both 'Catfish' and 'Dogfish' were built side-by-side and the design changed little over numerous batches built over a six-year period. In total, 716 'Catfish' and 1,249 'Dogfish' were eventually built and distributed across every BR region.

Originally fitted with simple grease buffers and oil axleboxes, later batches were fitted with Oleo OP12 hydraulic buffers and a combination of roller bearing axleboxes from either Timken or Skefco. Combinations of these weren't uncommon as the years progressed and although oil axleboxes were generally replaced with roller-bearing types during major



Following a general repair at Marcroft Engineering in March 1994, ZEV DB983466 is captured at the end of a rake of engineers' wagons in 1980/90s 'Dutch' livery at Longport Junction on June 5 of that year. These are amongst the last wagons to be repainted in this livery. PAUL BARTLETT



Re-coded as a ZSV – a miscellaneous service vehicle, DB 983834 is seen at York wagon repair yard on January 1, 1995. Note the icicles hanging from the bay door. The overall yellow livery was non-standard for a 'Catfish' – this one is lettered specifically for use with viaduct inspection unit DR82002. PAUL BARTLETT

WHY TWO AXLES?

By the 1940s and '50s, the use of bogie wagons with higher payloads was widespread elsewhere in the world. Unfortunately, the facilities to handle such wagons in this country weren't available and few users were willing to make the investment required, so wagon designs that had changed little since the Victorian era lingered on for a few more decades.

overhauls, the grease buffers only tended to be upgraded if damaged. Other small changes between batches include the hopper side supports on 'Dogfish' - welded triangular sections for some and square box section for others. As always, it pays to look at photographs before you commit to choosing a number for your model and for this purpose an internet search will turn up a good selection of wagons from many different eras. A good selection of books on the wagons is also available.

MODIFICATIONS AND DEMISE

Other than a batch of 221 randomly selected 'Dogfish' modified with extended side chutes in the late-1960s to transport waste ballast - known as slag - the 'Catfish' and 'Dogfish' fleets remained largely unmodified throughout their careers – a testament to the success of the original design. However, as the use of air-braked vehicles became more widespread in the 1980s, 13 'Dogfish' were fitted with through air pipes from 1989, allowing them to run in air-braked trains. Under

TOPS, these wagons were reclassified ZFW - the 'W' denoting a vacuum-braked vehicle with through air pipes.

At least one ZEV 'Catfish' was modified with wooden planks blocking the hopper doors in the 1980s. Painted yellow it served as a mobile skip around Bescot depot until at least 1995. A certain number of 'Dogfish' were fitted with extended side chutes, allowing them to work on Southern Region third-rail lines without damaging conductor rails. The last and only major conversions



Engineers' wagons didn't live a life of luxury. Seen in its original olive drab livery, DB 992545 has many markings of interest to the modeller. Note the raised OLE warning plates, black and Gulf red patch painted sides and the chalk marking in pigeon English 'Bad door not shut'. Carnforth sidings, August 25 1979. PAUL BARTLETT

POST-BR MARKINGS

took place in 2000, when a batch of 50 'Dogfish' were fitted with air brakes at Doncaster Works and re-coded HPA. However, this short-lived exercise only gave the wagons a few more years of service - all remaining vacuum-braked wagons were withdrawn in 2001 and by 2006, the air-braked 'Dogfish' were also withdrawn. Towards the end of their lives the ZFVs were allocated to 'no maintenance' pools and withdrawn as faults arose.

Ultimately, the fate of these wagons was determined by a combination of factors. Healthy numbers of higher capacity 'Seacow' and 'Sealion' bogie hoppers were still in use and became the preferred choice for permanent way gangs. The two-axle wagons were labour intensive to operate, requiring more operators to unload a train compared to more modern types. And, as much more efficient vehicles, such as the innovative HQA autoballasters and MRA side-tipping sets were introduced from the late-1990s, the antiquated, inefficient four-wheel wagons became an anachronism.

Even before this, the lower capacity 'Catfish' fleet was steadily reduced. By 1999, 289 wagons were recorded on the TOPS system, two years later, just 63 were listed, all of which were stored. Whilst they were outlasted by the 'Dogfish', it wouldn't be for long. In 1999, 775 ZFV/ZFWs were recorded and by 2001 this was down to 444, three-quarters of which were stored. However, the designs are still proving their worth, with dozens of wagons still employed by preserved railways for PW duties around the country.

USING YOUR HOPPERS

The two types of wagon were widely distributed throughout the country and generally used together in mixed rakes. Between the 1950s and 1980s, they could be seen marshalled into trains with many other types of departmental wagons. In later years though, they tended to be formed into block rakes as most of the other vacuum-braked vehicles had been withdrawn. As such, whether you model the mid-1950s or the beginning of the 21st century, these wagons can be justified on many layouts, stretching from Cornwall to the Far North of Scotland. Don't forget to include a ZUV/ZUW 'Shark' brake van/ballast plough - an essential companion for such trains.

In OO gauge, Cambrian produce a plastic kit for both types and Heljan offers an RTR model of the 'Dogfish'. In N gauge, Dapol has produced a 'Dogfish' too. In O gauge, etched brass kits of both the 'Catfish' and 'Dogfish' are available from M&M Models, whilst Modern Motive Power has kits of both, although the 'Catfish' was out of stock as this issue went to press. The new RTR additions from Heljan of both

From 1994 onwards, the 'Catfish' and 'Dogfish' fleets were divided between the three newly-created regional Trainload Freight companies - Transrail, Mainline and Loadhaul. Liveries changed little, as withdrawals were taking place, but new ownership markings were applied to wagons after repairs. This helped identify the owner and avoid 'wagon pinching'. It was short-lived as all three companies were re-grouped in 1997 under EWS.

Mainline applied its stencilled logo hastily to wagon sides. Occasionally, axle boxes would be painted all-over blue too as seen on withdrawn DB 983192 on August 19, 2007. Note the 'Mainline' logo applied twice, one on a black background, the other on a blue. ANDY JUPE



Transrail, formerly known as Trainload Freight West, was the most efficient at applying markings to its wagons. Seen at Penmaenmawr on August 30, 1995 is DB 983006, one out of a rake of 35 wagons. Note the recently applied health and safety vinyls for OLE and dust masks to be worn. Handrails and other trip hazards are picked out in white. This wagon has different buffers at each end. TREVOR SMITH



Loadhaul received the smallest share of the wagons, but still repainted a few 'Dogfish' in its striking house colours of black and orange with capped white highlights. On June 25 2008, DB 983184 was spotted on the Istil Works branch on the Isle of Sheppey. These liveries were short-lived as all three companies were bought out by Wincanton Central in 1997, falling under the umbrella of the newly formed EWS. RICHARD JONES

prototypes in scale (see page 106) are a welcome addition. PR Model Railway Products can supply a 7mm scale etched brass kit of a 'Shark' to complement them.

Using a mix of RTR models and kits, it's possible to assemble authentic engineers trains for all eras in which the 'Dogfish' and 'Catfish' operated. In

OO gauge, Hornby offers an excellent 'Shark' brake van and 'Trout' 4w hopper in various liveries and 'Seacow' bogie hopper for later years, Bachmann can supply the 'Sealion' variant of the bogie ballast hopper and Footplate produces a 'Mermaid' side-tipping wagon. For kit builders, Cambrian also has a good selection of OO gauge departmental

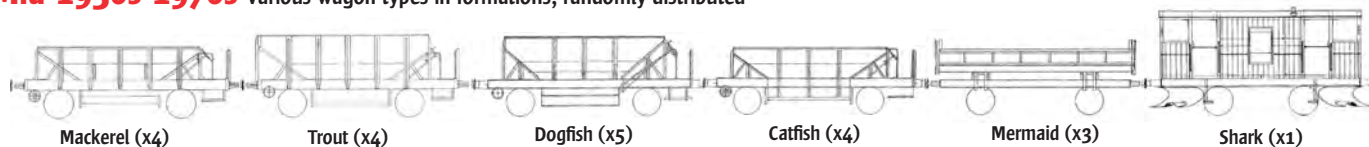
wagons which make ideal companions to the RTR models.

Careful study of photographs in books and on internet sites such as Flickr will reveal tremendous variety of ballast trains formed of 'Catfish' and 'Dogfish' hoppers, and plenty of potential for modelling projects. Just observe and replicate.

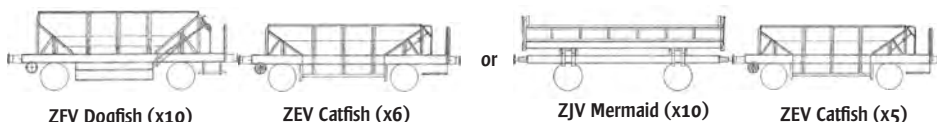
WAGON FORMATIONS

'Dogfish' and 'Catfish' hoppers were partnered with many different wagon types throughout their lives. Below is a selection of wagon consists observed, containing examples of 'Catfish' and 'Dogfish' wagon partners to help you assemble wagon rakes.

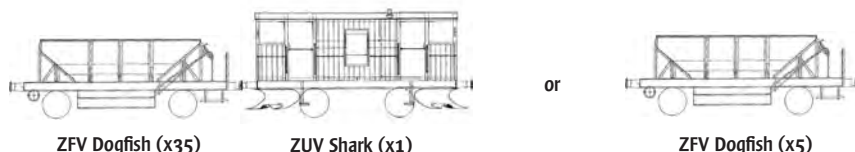
Mid-1950s-1970s Various wagon types in formations, randomly distributed



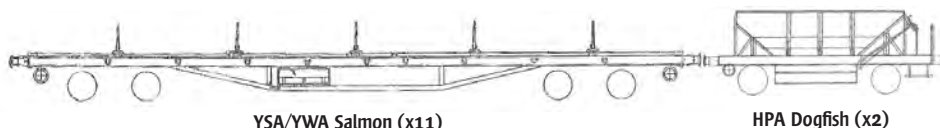
1980s Fewer early types, with wagons often grouped in clusters.



1990s Single wagon type formations of various lengths more common by this stage.



2000s A few wagons used at the end of a general engineers train, or left unused in a siding



Emerging from Hillfield Tunnel on June 12 1989, 37158 crosses from the Up Main to Up Relief on the approach to Newport station. The train is the 1110 Newport Alexandra Dock Junction Yard to Tidenham Quarry formed of ZEV 'Catfish' and ZFV 'Dogfish' hoppers. Note only the 'Dogfish' are visible, grouped together at the front. ADRIAN NICHOLLS



A short engineer's train of the 1960s personified. A BR Standard Class 4 4-6-0 passes through Rylstone on the Skipton-Grassington quarry branch with a train of empty ballast hoppers. The old goods yard sidings can be seen on the left. Amongst the mixed wagon types, the first is a 'Dogfish' accompanied by examples of 'Trout' and 'Mackerel' hoppers. DAVID HEY

I've compiled a list of 'Catfish' and 'Dogfish' build dates, lot and running numbers with the help of David Larkin and Paul Bartlett. If you're thinking of renumbering a wagon, take a look at them on our website.
www.bit.ly/1m8oMax

FURTHER READING

CIVIL ENGINEERS WAGONS

Volume 1

British Railways: 1948-1967



David Larkin

Civil Engineers Wagons: Volume 1

David Larkin, ISBN 9781905505234



BR DEPARTMENTAL ROLLING STOCK

DAVID LARKIN

A PICTORIAL SURVEY



BR Departmental Rolling Stock:

A Pictorial Survey, David Larkin

ISBN 0 85153 348 5



British Railways Unfitted and Vacuum-Braked Wagons



in Colour

Trevor Mann

British Railways Unfitted and Vacuum-Braked wagons in Colour

Trevor Mann, Ian Allan

ISBN 978-0-7110-3636-9



C&L Finescale Modelling

The Track Specialist

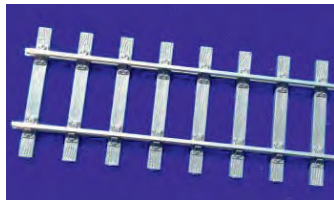
All you need to start you off on the right track

C&L Flexi Track – the place to start

Prototypical **Sleeper spacing & length** for great looking track. **Turnout Kits** include all parts but with no soldering!

NEW Flexitrack with 'normal' depth sleepers (instead of the 'thin' ones on previous C&L flexi), but with correct spacing & sleeper length. Now matches directly to Peco for overall height.

Available: Bullhead or Flat Bottom



PECO Competitive prices

We try to match (or beat!) all other online traders on price.
Sample **SL100 £65.95, PL10 £6**
SL-E91/2 £9.10, SL-300 £64.00

See more great prices online.

Carr's modelling products include Solder and Fluxes, Chemicals (metal blackening), Ballast, Baseboard Fittings & Coverings, Books and DVD's.

DCC Concepts – We stock everything from this quality range, at competitive prices, and it not just DCC items! Check out our low prices for **Cobalt Point Motors and Levers**

www.finescale.org.uk
Tel: 01179 505 470

Visit our **Shop** at:
Aran Lodge, Severn Rd. Hallen, BRISTOL, BS10 7RZ (4 miles M5 Junc 18 Avonmouth)
Mon – Thursday 9am – 4pm



RETAILERS OF THE YEAR AWARD



GAS CUPBOARD MODELS
6 St Georges Works, Silver Street, Trowbridge BA14 8AA
01225 777888
www.gascupboard.co.uk



MARKS MODELS
14 Hawkins Street, Dublin 2, N4 ROI
00 353 167 15809
www.marksmodels.com



ARCADIA MODELS
67 Rochdale Rd, Shaw, Oldham OL2 7JT
01706 882900
www.arcadiamodel.co.uk



THE SIGNAL BOX
1 Albion Street, Anstey, Leicestershire LE7 7DD
0116 2362901
www.signal-box.com



SILVERHILL MODELS AND TOYS
383 London Road, St. Leonards on Sea, East Sussex TN37 6PA
01424 431133



BUFFERS MODEL RAILWAYS
Colston Cross, Axminster, Devon EX13 7NF
01297 35557
www.buffersmodelrailways.com



IAN ALLAN BIRMINGHAM
12 Ethel Street, Birmingham, West Midlands B2 4BG
0121 643 2496
www.ianallanpublishing.com



MONK BAR MODEL SHOP
2 Goodramgate, York, Yorkshire YO1 7LQ
01904 659423
www.monkbarmodelshop.co.uk



KERNOW MODEL RAIL CENTRE
98A Trelowarren Street, Camborne, Cornwall TR14 8AN
01209 714099
www.kernowmodelrailcentre.com



JOHN DUTFIELD OF WARDS YARD
133 Springfield Park Road, Chelmsford, Essex CM2 6EE
01245 494455
johndutfieldmodelrailways.co.uk



TRANSPORT TREASURES
2 London Road, Aston Clinton, Buckinghamshire HP22 5HQ
01296 632002
transporttreasure.com



ALTON MODEL RAILWAY CENTRE
7A Normandy Street, Alton, Hampshire GU34 1DD
01420 542444
altonmodelcentre.co.uk

4 TRACK MODELS

Quality laser-cut kits with extraordinary detail



check your local retailer for stock

Ultimate realism from:
4GROUND
TRACKSIDE AND WATERWAYS

UK
Manufactured

www.4trackmodels.co.uk

Tel: 01264 541 007 Email: sales@4trackmodels.co.uk



Here's your chance to have your layout or project highlighted in the pages of **BRM** for all our readers to enjoy. Send your photographs and text to the address below. We look forward to receiving them!

BOGHAMPTON

VISIT
TONY'S
WEBSITE
www.boghampton.com



Boghampton' is a fictitious terminal station somewhere on the south coast between Portsmouth and Ramsgate. Set in the mid- to late-1960s, the station is now mainly used by holidaymakers and commuters to London and other south coast towns. What parcels traffic remains is handled by a small team on Platform 4

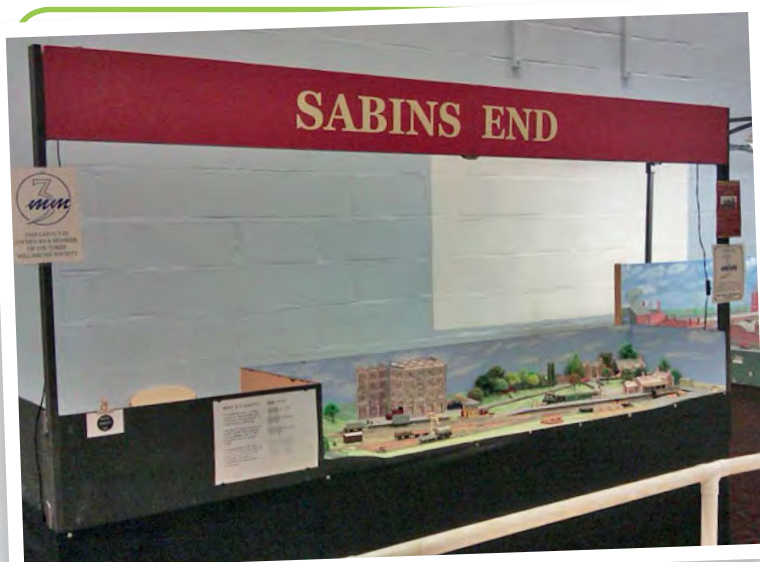
but only two or three parcels trains a day now run.

Occasional excursion trains arrive from London and Thames Valley towns, but these usually run only on Bank Holidays.

The layout is OO gauge and DCC controlled using a laptop with Hornby Railmaster software and an E-link module. Made up of three boards, the layout is 14' long and 18" wide.

Although still under construction, the layout is ready for exhibition and based in the East Midlands. Its first public exhibition was at the South Notts exhibition in April 2015. You can see it in action at the Syston Exhibition at Sileby Community Centre, High Street, Sileby Leicestershire on February 20/21 2016.

Tony Forward, Newton, Nottinghamshire



TT TERMINUS

Sabins End' is an exhibition layout, depicting a small country terminus somewhere in England. The buildings are all built of stone, so if the rolling stock is Southern or Great Western it could be set in Dorset or if they are LMS or LNER maybe it's Yorkshire?

The station has a main platform and bay which gives access to the mill siding. The small goods yard is opposite the platform. The layout is built to TT gauge (3mm:1ft scale) running on 12mm gauge track. It's in a modular form on two baseboards measuring 4' x 18'. Trackwork is by GEM, and the locomotives are whitmetal kits running on Tri-ang chassis. The rolling stock is modified Tri-ang RTR, with kits from Peco, GEM, Essenal, K's, Kitmaster, BEC and The 3mm Society. The buildings are mostly kits by Biltzeez and the mill is a Scalescenes.com warehouse, re-scaled to 3mm. The platform edging and road bridge are both modified from Peco N gauge.

Kevin West, Banbury, Oxon

LAYOUTS

ADLESTROP



My interest in model railways started in the 1950s and 1960s upon receipt of Tri-ang trainsets as Christmas presents. I own more than 40 OO gauge steam locomotives manufactured by Hornby and Bachmann, all with hand-painted footplate crews. They represent the BR steam period of 1948-66. The models are displayed and occasionally run on temporary laid track.

This layout was first conceived as a retirement project. There's no convenient space in my house to permanently locate a layout, so the solution was to build it in modular sections, supported by 'A' frame trestles. As I have limited space, my next project will be a BR locomotive shed on one board with fiddleyards accessing the shed from different directions.

What a wonderful hobby this is where the creative modelling that interests me today reminds me nostalgically of those trainsets gratefully received as Christmas presents in the 1950s - beware this hobby is addictive.

Trevor Hillman, by e-mail



WRITE TO Readers' Layouts, **BRM**, The Maltings, West Street, Bourne PE10 9PH

OR E-MAIL brm@warnersgroup.co.uk and title your email *Readers Layouts*



White Rose Modelworks
Manufacturing Baseboards of Distinction

- * **Bespoke Model Railway Baseboards**
- * **Unique Plug and Latch system**
- * **Made to suit your space and needs**
- * **Laser cut Plywood Helixes**
- * **Four Standard Sizes**
- * **Bespoke Helixes**
- * **Track laying**
- * **Electrics and Scenics undertaken**
- * **Control Shelves & Backscenes**
- * **Traversers and Sector Plates**
- * **Fully Stocked Model Railway Shop**

Contact us

Tel: 01677 422444

Email: info@whiterosemodelworks.co.uk

Website: www.whiterosemodelworks.co.uk

White Rose Modelworks

Unit 10

Bedale Station

Bedale

North Yorkshire

DL8 1BZ



PRACTICAL BRM



HOW TO...

LIGHT YOUR 'S' STOCK

Lighting is vital for Underground trains, so **Phil Parker** tests an easy-to-fit new light and sound pack by Train-Tech.

The new Bachmann 'S' Stock produced exclusively for the London Transport Museum has had many positive reviews. While directional lighting is fitted at the ends, the coach interiors remain unlit and the prototypes don't run like this when in service.

To fit lighting, there's no need for fiddly soldering or complicated wiring because Train-Tech has developed a custom-made lighting system that lights each coach. It has four circuit boards, one for

each coach, with a battery holders for CR2032 cell batteries. The electronics are switched on and off by a motion sensor, so if a train is running, the interior lights are lit. Battery power means constant lighting and no flickering. Left in store or immobile, the lights switch off to save power after a few minutes.

When the model stops, a pause followed by warning tones for the doors opening and closing can be heard from the board. If you're happy to modify the driving coach interiors, a flashing LED to simulate collector shoe arcing can be fitted too. **BRM**

WHAT YOU'LL NEED

■ Train-Tech CL150 London Underground 'S' Stock 4-car Train Pack lighting & sound set - £89.00

▲ DCP Microdevelopments, Bryon Court, Bow Street, Great Ellingham, Norfolk NR17 1JB

W www.train-tech.com



All the lighting bars are supplied ready-made, the only work the builder has to do is plug in the LEDs for the pick-up shoe flash if required. Coin batteries are included.

“The results look so great you'll want to run your layout in the dark.”

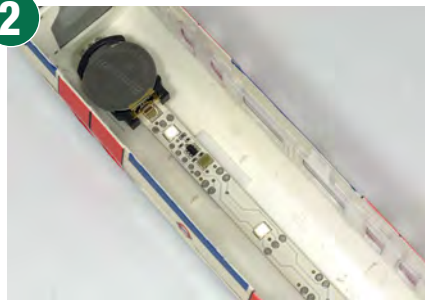
STEP-BY-STEP GUIDE

1



The worst part of the job is taking the bodies off the chassis. I'm using a fine screwdriver and care must be taken to avoid scratching the paintwork. Protecting the bodyside with masking tape might be a good idea.

2



Starting with a ceiling light only unit, I'm inserting the battery into the holder, and fixing it in place. Blu-tack is recommended but I think double-sided self-adhesive foam pads from a stationers are a safer bet.

3



Fitting the lights/sound unit in the second car is no harder. The speaker can't be seen from rail level but is still audible. You even hear it when it's back in its box.

4



Opening the power cars requires the removal of three cross-head screws - two at the back and one at the front. Next repeat the fingernail/screwdriver action to release the bodyshell.

5



If the flashing collector shoe LED is to be fitted then the speaker opening moulded into the interior is cut out to make things easier. I'm cutting the three moulded nibs holding the disk in place.

6



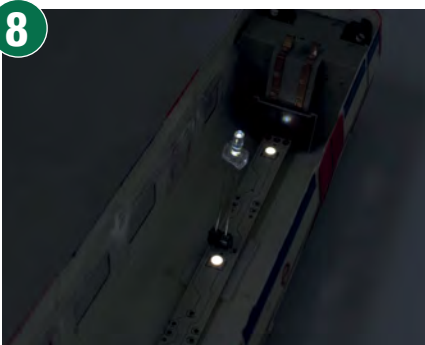
The flash LED is plugged into the circuit board, the longer leg nearest the edge. Fit the battery, if it doesn't flash when the roof lights are on, it's plugged the wrong way around.

7



At the corridor end of the coach, there is a short moulded tube dangling from the roof. I've no idea what it's for, but fortunately the circuit board bends enough that it can be stuck in place without removal.

8



Gently shaking the coach should result in the lights coming on and the flashing LED illuminating randomly.

9



The flash LED pokes through one of the speaker holes. The leads are too long for the hole directly below the socket but if the hole nearest the bogie is used the leads can be bent to fit.



THE VERDICT

On a layout, the flash reflects off the track. It's not apparent that the light comes from the wrong place when the train is moving. The results look so great you'll want to run your layout in the dark. Now with the lights on, the temptation is to start painting a few hundred commuters to place inside.

ALSO FROM TRAIN-TECH

AL23 - Spark-arc electric effect LEDs and constant light outputs - £20.00



WEATHERED DEPARTMENTAL WAGONS

James Makin gives a brief introduction into how he gives his eclectic fleet of ex-BR infrastructure wagons an authentic 'used and abused' look.



Faded Mainline blue OCA 112001 is a Bachmann model. It was painted a pale sky blue, followed by coats of neat white and light grey enamels then wiped with cotton buds in a vertical motion. It mutes the colour, fading some areas more than others.

Recent years have seen a surge in the number of RTR air-braked wagons to replicate post-1970 freight operations. It's easy to let our imaginations run wild and add fictitious weathering to a wagon, but finding a photograph of a precise prototype and creating an exact replica is often more straightforward.

Here's a selection of my wagons from Bachmann and FTG Models that I've customised. They show how a few hours painting and weathering can add individuality to a fleet. All of these and many more now run on Worthing MRC's 'Loftus Road' layout. **BRM**

JAMES'S TOP TIPS FOR PAINTING

Wagon liveries can be applied by hand - I don't use airbrushes. I paint each wagon in muted tones to ensure a faded finish. My Loadhaul black is actually a dark grey. Other colours are added on top to represent details and patch-painted areas, such as body repairs or white capping.

Many of today's wagons have lost their original

BR-style data panels and carry simple stencils. Using a 'Gunplay' font, custom stencil TOPS panels can be created in CorelDraw on a computer, then printed onto ultra-thin photographic paper. These are then cut out and glued to the wagon sides. Each wagon is then treated to a final coat of matt varnish - I use aerosols from Humbrol and Testors Dullcote.



This ZCA ballast wagon - a converted FTG Models product - had a small amount of fine ballast added to the wagon corners. Many have this as they are unloaded with mechanical grabs rather than opening the side doors to clear the wagons properly.

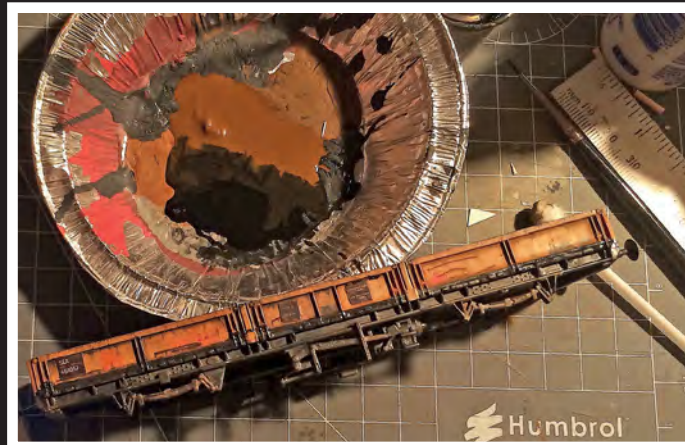


The SEA steel coil wagon was the most interesting to model. The weight of a steel load has often smashed the heavy wooden framework to pieces. Pliers were taken to the floor bracing to crush it into a suitable shape, before gluing it to the bottom of the wagon.



Above Sometimes, the load strapping is discarded in the wagons after the steel coil is removed. Tamiya masking tape was sliced into 1mm thin strips and placed inside the wagon, just as on my prototype. One weakness of RTR models is the thickness of the durable plastic sides. These were gently thinned using emery boards to give a more scale appearance before painting.

Right In front of the OCA is one of two FTG Models SPA steel wagons, this one converted to ZCA 460165 in Loadhaul's striking black and orange. The other has been converted to an SEA steel coil carrier 461057 in battered Railfreight red - as shown above.



My approach to underframes is to open a number of Humbrol tinlets into a tin foil dish, and mix an *ad hoc* selection of suitable shades.



Photo-sharing websites such as Flickr and Smugmug contain thousands of photographs of railway wagons. Suitable prototypes were chosen for reference purposes.

SEE MORE!

- James Makin's website
www.wellsgreen-tmd.co.uk
- James Makin on RMweb
www.bit.ly/1FvpiZj
- Loftus Road on RMweb
www.bit.ly/1g6W1gU



Many of these steel-sided wagons have scars from loading and unloading and frequent rough treatment. I replicated these with a scalpel blade, following prototype photographs to ensure correct positioning.

WHAT'S NEW?

News and Events from the model railway trade

LOCOMOTION AND RAPIDO JOIN FORCES ON PROTOTYPE HST



BEN JONES

DIARY DATES

16-17

15-17

30-31

Things to
SEE & DO
in January

ST ALBANS ANNUAL EXHIBITION

More than 20 high-quality layouts with demonstrators, static exhibits, society and trade stands. Open Saturday 1000-1730 and Sunday 1000-1630. Advance tickets available.

T 01727 844 488

W www.cmra.org.uk

A Alban Arena, St Peters Street, St Albans AL1 3LD

LONDON MODEL ENGINEERING EXHIBITION

Celebrating miniature engineering, displays of steam locomotives, traction engines, lorries, boats, aeroplanes, helicopters and robots will be present. Open 1000-1700 Friday, 1000-1630 Saturday and Sunday.

T 01926 614 101

W www.londonmodelengineering.co.uk

A Alexandra Palace, London, N22 7AY

SOUTHAMPTON SHOW

More than 20 layouts from N to O gauges including some narrow gauge with good trade presence.

Open Saturday 1000-1700 and Sunday 1000-1630. See the website for further details.

A Barton Peveril College, Chestnut Avenue, Eastleigh, Hampshire SO50 5ZA

W southamptonmodelrailwaysociety.wordpress.com

GET IN TOUCH If you have a new product that you would like us to feature, send it to Howard Smith by e-mail: howards@warnersgroup.co.uk



In a widely expected follow-up to their APT-E collaboration, Locomotion Models and Rapido Models are working together on a OO gauge model of the Class 252 High Speed Diesel Train (HSDT).

As the forerunner to the iconic Inter-City 125, the train was rolled out in 1972 and spent several years on test prior to the introduction of the production trains in October 1976. Power car 41001 eventually became part of the National Collection and was returned to working order by the 'Project Miller' team in 2014.

As this issue of **BRM** went to press, no final decision had been made on whether the prototype Mk 3 trailers would be produced as well as the two power cars. As a consequence, expected prices and delivery dates cannot yet be confirmed.

Brian Greenwood, Chairman of the Locomotion Management Board said; "When we first sat down with Rapido, we all agreed that once the production of the APT-E had started we should move straight into the development of the HSDT. It was obvious to us that one iconic train should follow the other."

Bill Schneider, Rapido's Product Designer added: "This unit is a natural progression and we are excited about what we can build in to what we know will be an amazing model."

Of the original train, just one power car remains, after 41002 was scrapped in 1990. However, all but one of the ten prototype Mk 3 trailers is still service with five in daily passenger use as part of the HST fleet (41170-174) with Virgin Trains East Coast and FGW, two as test cars in Network Rail's New Measurement Train (975814/984) and two more in the Royal Train fleet (2903/04).

An N gauge version of the HSDT was announced by Dapol in September, with release expected in late-2016.

W www.locomotionmodels.com

HARRY PATCH TRIBUTE



Exclusively available now from Locomotion Models is this Hornby Class 43 pack representing Great Western Railway HST power cars 43172 *Harry Patch* and 43154. The 500 limited edition packs are decorated with vinyls along both sides honouring the fallen of the First World War. Each pack includes a signed and numbered certificate and costs £220.00 (plus P&P).

It can be obtained from the NRM online or the Locomotion.com shop in Shildon. As with the prototype, the complex livery depicting troops, poppies and words from Laurence Binyon's poem 'Ode to Remembrance' has been applied with a vinyl sticker.

GWR has commissioned the specially designed livery as part of its commemoration of the centenary of what became known as 'The Great War'. The name 'Harry Patch' stems from the last survivor of the trenches, who passed away

on July 25 2009 at the age of 111. GWR 43172 was unveiled in its new guise by Harry's Grandson, Roger Patch at Bristol Temple Meads on November 6.

Timed to co-ordinate with the naming, the pack marks a branching out from the 'National Collection in Miniature' Series of preserved prototypes which is proving so successful. Prompt ordering is recommended as much of the run had been sold as this edition of **BRM** went to press.

W www.locomotionmodels.com
T 01388 771413



CAMBRIDGE TRANSFERS

Cambridge Custom Transfers has produced Sheet BL155 containing various iterations of BLUE CIRCLE roundels to be used in conjunction with existing Sheet BL27 - BR Diagram 1/272 PRESFLO cement hoppers. For prices and scale availability, visit the website.

W www.cctrans.org.uk

PENNINE WAGONS

Pennine Wagons' latest N gauge special commission is a steel-bodied van in the livery of Mersey Docks & Harbour Board. Made by Dapol of Chirk, the limited editions cost £12.95 or £35.25 for three including postage.

A Pennine Wagons, 34 Leith Court, Dewsbury, West Yorkshire WF12 0QP
W www.penninewagons.co.uk

NUMBER NEWS

1,585

visitors attended Rail-Ex Taunton on October 24/25 organised by Somerset Railway Modellers. The figure was a 16% increase on numbers in 2014.

W www.somersetrmc.org.uk

3

new locomotive body kits have been added to the 3-D printed items available from Connor & Butler Ltd. The publisher previously known for its Street Level Models range of

East End printed card kits, now has 3-D printed bodies for North Staffordshire Railway 2-4-0T as used on the North London line, an LTSR 4-4-2T and a GWR 0-6-0PT with condensing gear.

W www.connorandbutler.co.uk

50

per cent of Irish Railway Models production run of two-axle ballast wagons had been pre-ordered as this issue went to press. To secure your packs, visit the website.

W www.irishrailwaymodels.com

2

sets of larger scale figures are to be released by Bachmann Europe in a new range of 16mm:1ft scale accessories. A locomotive crew with

Driver and Fireman (ref: 16-701) and Stationmaster and Porter (ref: 16-702) will complement its existing 16mm locomotives and rolling stock. The packs have a recommended retail price of £24.95 each and are expected to arrive in the first quarter of 2016.

W www.bachmann.co.uk

31

BRISTOL 7MM EXHIBITION

Up to 70 trade and society stands. Advance tickets available via website or telephone. Admission is free for wives/partners and children. Open Sunday 1000-1600.

A University of the West of England, Filton Road, Bristol, Bristol BS34 8QZ

N SCALE TREES



Released by Gaugemaster this month is pack GM127 containing 10 assorted N scale trees. With plastic trunks covered with foam and flock, the each pack retails at £7.95. Contact your local Gaugemaster stockist for more information or visit Gaugemaster.com
W www.gaugemaster.com
T 01903 884 488

MODEL AWARDS REVAMP FOR 2016

RMweb and **MREmag** have re-launched their annual model railway awards scheme for 2016. Voting for the new 'British Model Railway Awards' will take place as usual on **RMweb** where you can choose your favourite models of 2015 in many different categories.

New awards will recognise the country's best retailers, websites, exhibitions and layouts, acknowledging the contributions they make to the UK hobby.

Nominations can be made before December 19 by visiting the dedicated pages on **RMweb**. Visit the website for further details.

W www.rmweb.co.uk

DELUXE CATALOGUE



Deluxe Products' 2016 catalogue is now available. For an up-to-date and complete list of its products with details, enquire about a copy at your local Deluxe materials stockist. Deluxe products are available from most model railway shops or direct from Deluxe Materials.

W www.deluxematerials.com
T 0800 298 5121

DECORATED DJM J94



DJModels has unveiled a decorated sample of one of its

Hunslet J94 0-6-0STs.

Expected to arrive during the first quarter of 2016, the models will be available in five liveries from DJM, with a further ten versions exclusive to Hatton's Model Railways. The models feature prototypically accurate dished wheels, a heavy tungsten split frame chassis, coreless motor with flywheel though a 50:1 gear ratio. Cab designs and bunkers vary depending on running numbers. The models are DCC ready with NEM couplings, sprung buffers and fully modelled cab interiors.

One of Hatton's exclusive liveries, No. 68012 in weathered BR black with late crest has been mocked up by Mercig Studios of Surrey to act as a guide for the factory finish. Photographs of the weathered model can be found on **RMweb**.

DJM has also added several more N gauge models to its development plan. Claiming that it has received cheaper rates from a new Chinese factory, five new N gauge wagons are to be produced, all of which have already been designed in CAD. A 20t 'Shark' brake van/ballast

plough is awaiting tooling, along with a 'Mermaid' side-tipper. The bogie 'Turbot' bogie wagon is at the design stage with a 'Bogie Bolster E' and LSWR Road Van. All are planned for release during the first half of

2016. The first to arrive should be the side tipping ZJO/ZJV 'Mermaid' ballast wagon in March.

With an anticipated price of £19.95, the 'Mermaid' will be available in both GWR and BR versions. The wagons will feature NEM couplers with a close coupling mechanism, partially see through chassis, fully detailed interior and exterior and darkened wheels.

Some 14 different running numbers are to be offered across four different liveries - black with straw lettering, Indian red, olive green and engineers grey/yellow.

The unusual LSWR 'road van' is a follow on from the OO gauge version being developed for Kernow Model Rail Centre. The model will feature darkened wheels, NEM close coupling and, where possible, separate handrails. Six variants are being

promised - three in BR grey and three in SR Brown. The models will retail for £22.50 each.

The 'Shark' is a good companion for ballast trains and like its other counterparts will have darkened wheelsets. Also promised are replacement ploughs and detailed verandahs with separate control wheels. The models will cost £19.95 with some 18 liveries promised.

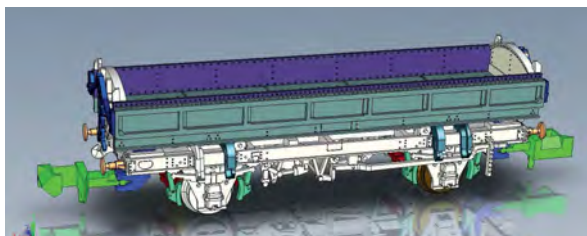
The 'Turbot' is expected to arrive in stores mid-2016 with an RRP of £25.95. The final stages of CAD are being worked on. The models will be available in eight liveries. However, DJM has ruled out adding this wagon to its OO gauge range as a version has already been announced by Dapol.

The 'Mermaid' and 'Turbot' will benefit from DJM's new quick-load ballast system. The loads can be removed by a magnetic stick without the wagon leaving the rails.

Further updates on these new models will appear in **BRM**, DJ Models' website and on our forums at **RMweb.co.uk**.

W www.djmodels.co.uk

W www.ehattons.com



The side-tipping 'Mermaid' wagons were built by the GWR and BR. DJ Models is to produce both variants. The models should arrive during early-2016.



A 'Shark' ballast plough will be an ideal companion for DJM's other departmental wagon releases. To date, no RTR model of the long-lived prototypes has been produced in N gauge. With numerous liveries announced, there will be plenty of choice for modellers of all BR and post-BR eras.

BATCH BUILT FROM DJH

Expected during December is a selection of new batch-built O gauge LMS Ivatt 2MTs and LNER Gresley D49/2 4-4-0s from kit manufacturer DJH.

The manufacturer is using batch-building techniques to manufacture ready-to-run at prices lower than its 'kit-built' models, whilst maintaining levels of detail and performance. All models are built in-house by professional model makers. Optional extras to be specified when ordering include DCC, sound and weathering. Included with the sale of each model is a 12-month parts and labour warranty. Orders are being taken, visit its website for further information

T 01207 500 050

E sales@djhmodelloco.co.uk

W www.djhmodelloco.co.uk



LMS IVATT 2MT 2-6-0

K342A: LMS unlined black £1,499.00

K342B: BR mixed traffic lined black £1,599.00 (early emblem or late crest)

K342C: BR lined green £1,599.00 (late crest only)

K342D: BR unlined black £1,499.00 (late crest only)



LNER D49/2 ('Hunt' Class) 4-4-0

K343A: NE/LNER/BR unlined black £1,599.00 (BRITISH RAILWAYS on tender)

K343B: LNER lined apple green £1,799.00

K343C: BR mixed traffic lined black £1,699.00 (earlycrest /late emblem)

If you're interested in narrow gauge railways, take a look at our sister magazine, **Narrow Gauge World**.

NARROW GAUGE NEWS

HELJAN L&B TANK BREAKS COVER

Heljan's eagerly-awaited Lynton & Barnstaple Railway 2-6-2T made its public debut at ExpoNG in Swanley on October 31. The initial engineering prototype of the OO9 locomotive, the UK's first RTR narrow gauge locomotive, features extensive use of metal components - most notably the cab and side tanks - plus a turned brass chimney and fine cab detail. A video clip of the prototype working can be seen on **BRM's** Facebook page. The first three releases are expected in late-2016, with an RRP of £189.95 each.

W www.heljan.dk



A1 MODELS 3-D PRINT BODIES

A1 Models is offering a selection of 3-D printed narrow gauge diesel locomotive body kits. Featuring a selection of prototype and freelance designs, the bodies can be used with RTR chassis from Graham Farish and/or Kato for use on OO9 gauge railways. These join the company's existing etched brass narrow gauge diesel kits. Contact the company for more information and prices.

W www.a1modelsuk.com

T 07584 620638



NEW NARROW PLANET KITS

A Hudson-Hunslet 24hp light diesel (above) is the latest addition to Narrow Planet's innovative range of 4mm:1ft scale kits. The tiny 4w diesel features a 3-D printed brass chassis, plastic body and etched nickel-silver detail parts. It comes complete with motor, wheels, gears and a driver figure for £80.00. Several

designs of etched nickel-silver cab will be available separately soon. Look out for an article on building this kit in **BRM** in the New Year. NP has also just released a 3-D printed peat wagon kit based on an Irish prototype.

W www.narrowplanet.co.uk



NO NONSENSE NARROW GAUGE

No Nonsense Kits has re-released several kits of narrow gauge vehicles. Most interesting are four 'body line' kits of County Donegal Railways Joint Committee (CDRJC) 3ft gauge diesel railcars. Whitemetal body, roof and floors parts and some - but not all - chassis components are included. Three kits for early style small railcars cost £32.50 each. One, based on the CDRJC's two final articulated vehicles, Nos. 19/20 now resident on the Isle of Man is available with either a short or long cab (£15.50 each) to accompany the saloon body (£40.00).

Three Isle of Man Railway style bogie coach body kits have also been released, covering a Full Brake, five-compartment Third and a Brake Composite (£15.50 each).

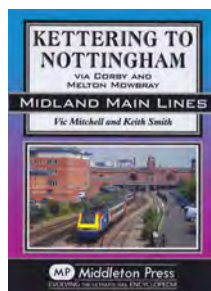
No Nonsense's parent company Phoenix Precision Paints has released 12 new narrow gauge railway paint colours to match the kits, including CDRJC red and cream and ten Ffestiniog Railway colours in 14ml tinlets at £2.90 each. All are available with No Nonsense kits from Phoenix Precision.

T 01268 730549

W www.phoenixprecision.co.uk



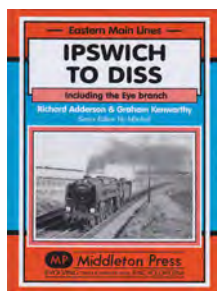
NEW RAILWAY READING



Kettering to Nottingham

Price: £18.95

Authors: Vic Mitchell and Keith Smith
ISBN: 978-1-908174-82-6
Publisher: Middleton Press



Ipswich to Diss

Price: £18.95

Authors: Richard Adderson and Graham Kenworthy
ISBN: 978-1-908174-81-9
Publisher: Middleton Press
W www.middletonpress.co.uk **T** 01730 813169



Traffic by Rail

Price: £10.00

Author: John Chamney
ISBN: 978-0-902825-33-7
Publisher: HMRS
W www.hmrs.org.uk **T** 01773 745959

EXCLUSIVE FIRST REVIEW!

OXFORD RAIL ADA

The first of two OO gauge models of these charismatic Victorian passenger tanks is now on general release, giving **Ben Jones** a rare chance to study a debut product from an all-new supplier.



It's been a vintage year for Southern devotees, and for the former London & South Western Railway in particular. Hornby's 700 Class and S15 4-6-0, Kernow's Adams 02 0-4-4T, Graham Farish 'Merchant Navy', 'N' Class 2-6-0 and the Dapol O gauge 'Terrier' have all made their debuts and there are more SR items bubbling under the surface. That includes two rival attempts at the lovely, charismatic LSWR 0415 'Radial' 4-4-2T plus some ex-LSWR coaches. We now have the first of those to examine, from Oxford Rail. It's a rare chance to assess a maiden locomotive release

from an all-new supplier and see how well it meets the expectations of contemporary OO gauge modellers. Although Oxford Rail is a relatively new name to us, the company has been keen to state that its Chinese factory has produced RTR models for other suppliers over the last decade, so doesn't come to this project without experience.

Oxford Rail has also made a great deal of the lengths to which it has gone to produce the numerous detail differences found on these vintage 'Atlantic' tanks over a career of almost 80 years. According to company sources, the available tooling for different boilers, wheels, chimneys, cabs and other details gives Oxford 96 possible different detail combinations.

A trio of models will be available initially, featuring BR late crest No. 30583 (out now), BR lined black No. 30584 with the early emblem (due December) and 'as preserved' LSWR green No. 488, which is expected in January. But first, a little background history.

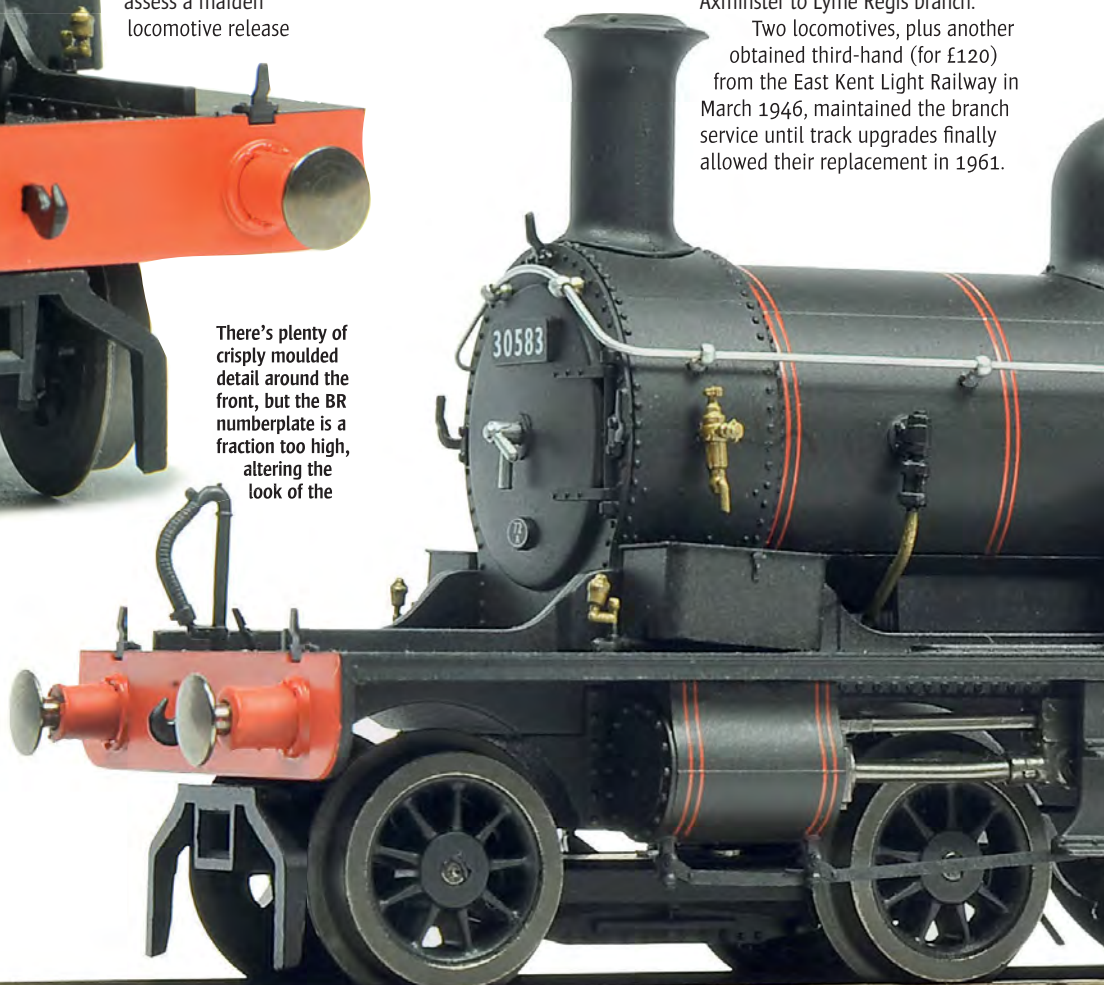
Designed for suburban passenger work by William Adams, 71 '415' Class locomotives were introduced in 1882-85, built by Robert Stephenson & Co. (28), Dübs (20), Neilson (11) and Beyer, Peacock (12). Having been replaced by more powerful T1s, O2s and M7s, many were scrapped after the First World War and all should have gone by 1929. However, the flexibility of the 'radial' trailing truck made them ideal for the tightly-curved Axminster to Lyme Regis branch.

Two locomotives, plus another obtained third-hand (for £120) from the East Kent Light Railway in March 1946, maintained the branch service until track upgrades finally allowed their replacement in 1961.

There's plenty of crisply moulded detail around the front, but the BR numberplate is a fraction too high, altering the look of the

FACT FILE

- **MODEL** Oxford Diecast OR76AR001 BR late crest lined black Adams 'Radial' 4-4-2T No. 30583
- **PRICE** RRP £99.95
- **AVAILABILITY** Oxford Diecast stockists
- **REVIEW** Ben Jones
- **PHOTOGRAPHY** Tony Wright



MS 'RADIAL' 4-4-2T

No. 30583 was saved by the Bluebell Railway and still resides today at Sheffield Park, as LSWR No. 488, although it has not steamed for many years.

Reviewed here, and kindly delivered at short notice by Oxford Rail's Tim Mulhall, is BR late crest black No. 30583, based on the locomotive's final BR condition between 1957 and withdrawal in July 1961.

Oxford's crimson and cream packaging is attractive, and will be familiar to anyone who buys OO gauge RTR models on a regular basis. Printed on the outer sleeve is a QR code, which if scanned with a smartphone will take you to the relevant product page on Oxford's website. There you can find information about the model and prototype and instruction sheets.

UNDER THE BONNET

It's always tempting with a new model to immediately dismantle it and see what's inside. However, in this case, we wanted to run it first. We were pleased to see the sample running smoothly straight from the box. Whilst not quite as silent as some models from other suppliers, performance was consistent and reliable thanks to brass wiper

pick-ups on three of the five axles (the leading bogie is the exception) and an open frame, five-pole skew-wound motor housed towards the front of the boiler. The motor and flywheel drive via a worm and gear train to the second driving axle. Unfortunately, the motor mounting sits in the space between the leading splashers and smokebox, obscuring the small area of 'daylight' under boiler that is visible on the full size machine.

Gearing has been set to allow smooth slow-speed running but this sample happily trotted around at a scale 40-50mph with a short train in tow (see **RMweb** for a video clip). The model weighs in at 220g, thanks to a die-cast running plate and good internal weight distribution which help this dainty locomotive to pull loads that would have been beyond the 1P rating of the prototype.

The floating rear axle does not swing as per the radial truck that gave the prototype its nickname, but it offers plenty of movement in all directions to maintain wheel contact with the rails. It also slides from side



The cab gauges and controls are among the best we've ever seen on an RTR model.

to side, pressing on the pick-ups. The front bogie is sprung and is able to slide and pivot around the retaining screw. The model will, at a push, negotiate first radius curves, but the recommended minimum is R2.

An eight-pin DCC decoder socket is housed under the coal bunker. Space is fairly limited, so a small direct plug-in decoder is one possibility. A set of illustrated instructions explains

how to dismantle the model. Three body retaining screws hold the bodysell on, but you'll need to remove the front bogie to expose the one at the front of the locomotive.

Oxford Rail reports that it is working with ESU on a specific sound decoder for the 'Radial', based on original recordings taken on the Lyme Regis branch in BR days. Further information should be available in the New Year.

ELEGANT LOOKS

Even at first glance, it's clear that Oxford has captured the elegant Victorian character of the 'Radial'. Overall looks and shape are excellent and there's lots of separately fitted detail throughout.

No. 30583 shown here is a Neilson-built locomotive in final condition with an Adams boiler and chimney, Ramsbottom safety valves, single slidebars, filled-in coal rails, nine spoke trailing wheels, 18-spoke driving wheels, BR smokebox door numberplate and shedcode plate.

A little background reading will quickly give some sense of the myriad variations across this class, and even among the three locomotives that

Oxford has done a very good job in capturing the shape and elegant character of this popular Southern passenger tank.



PRODUCT REVIEW

survived into BR days. Oxford has tooled two different running plates with alternative styles of front frame extensions, two sets of wheels with different numbers of spokes, Adams and Drummond boilers with different pipework runs, at least two chimney designs, two heights of water filler, bunkers with no coal rails, open rails and filled-in coal rails (as shown), double or single slidebars, different smokebox doors appropriate to era and two designs of safety valve.

Separate components include neat lifting eyes on top of the water tanks, snifting valves either side of the boiler and two more brass-painted valves either side of the smokebox, plus lamp brackets and toolboxes alongside the smokebox. These didn't sit quite flat on our sample, possibly a result of the slot on the underside being too narrow to fit over the adjacent lamp bracket. However, they are fine on other samples we've seen.

When compared to photographs of the prototype - there's an excellent portrait of No. 30583 at Lyme Regis in June 1959 in *LSWR Locomotives: The Adams Classes* by D.L. Bradley (Wild Swan, 1985) - it's evident that the front numberplate sits a fraction too high, detracting from the otherwise excellent 'face'. However, the raised shedplate (72A Exmouth Junction) gives a better effect than the usual printed solution in this case.

Other features include sprung metal buffers, wire boiler handrails and separate smokebox door handles. The two latter items are painted silver, which looks a bit 'fairground' for a BR locomotive and would look better in black. Fine 'brass' pipework

With the body off, the space provided for a DCC decoder is visible along with the chassis arrangement.

above the firebox around the whistle and safety valves is extremely well executed. Coupling and connecting rods are also blackened metal and authentically slender. Correctly, Oxford has assembled the coupling rods outside the connecting rods to the pistons.

Perhaps the *pièce de résistance* though is the cab interior, including separate clear plastic on the gauge glasses and beautifully detailed controls. Barely visible to the naked eye, the printing on the boiler backhead gauges is the best we've seen on a RTR OO gauge model. The graduations on the white faces are almost legible when magnified on screen (see previous page).

Wheels are plastic centres with blackened metal tyres. The flanges are noticeably deeper than those adopted by other manufacturers but this did not affect performance on finescale track during our tests.

Optional accessories are limited to a set of brake rigging and dummy coupling hooks to slot into the bufferbeam. NEM coupler pockets are provided at both end; the front pocket is moulded into the bogie frame while the rear one is on a flexible mount.

As you'll see in the photographs, Oxford's factory has done a good job, particularly with the BR mixed traffic lining. Red, white and grey bands are crisply printed and accurate on the tanks, bunker and splashers. The BR late crest is equally fine with several different colours and shading clearly visible on the lion and wheel device in the middle. Although the numbers are printed in Gill Sans, they are too heavy and a set of replacement transfers from Fox or Modelmaster would give a superior look. Again though, it's a relatively minor criticism when the overall quality of the decoration is considered.

For anyone modelling after 1929,

Safety valves, pipe runs and cab designs will vary according to model and livery.

the range of this class is limited to the Lyme Regis branch (with visits to Exmouth Junction for servicing) but we suspect that won't stop many from finding a way to justify a purchase. For this late BR version, a single Hornby Maunsell Brake Composite in BR(S) green is the perfect companion, but Hornby's ex-LSWR non-gangwayed stock will also be useful.

We've yet to see the finished version of Hornby's rival 'Radial', but we do know that it will have an RRP of £119.99, £20 more than Oxford's version. Based on this sample, it's difficult to see how much more detail could be included to justify that extra cost, but it might have the advantage in other areas. Whatever happens this is a solid start by Oxford and we look forward to seeing more soon. **BRM**

SEE IT RUNNING

For an exclusive video of this model running on Tony Wright's 'Little Bytham' layout, buy the **BRM** digital edition or go to www.rmweb.co.uk



Pretty looks are well captured from every angle, although the lack of daylight under the boiler is a slight disappointment.

KERNOW

loW 02



As Southern Railway suburban electrification cascaded locomotives such as M7s and T1s to outlying areas, an opportunity arose to replace the Isle of Wight's ageing locomotive fleet with Adams 02 0-4-4Ts. A total of 23 locomotives was moved to the island in small batches between 1923 and 1949. Small and capable, they were ideal for the island's railways, but a few

modifications were made to suit their new role. Larger Westinghouse pumps were fitted along with increased capacity air reservoirs now mounted on the top of the tanks to provide air-braking for passenger trains. The coal capacity was almost tripled too, with a longer and taller bunker added by Ryde Works, as now offered by Kernow.

All of the island's locomotives, now numbered W14 to W36, were named after island towns and villages and retained these numbers until their retirement in 1966.

W24 *Calbourne* is modelled with loW modifications and also differs from earlier releases in having a riveted smokebox front, brass edged spectacle cab windows and a representation of the sliding roof ventilator.

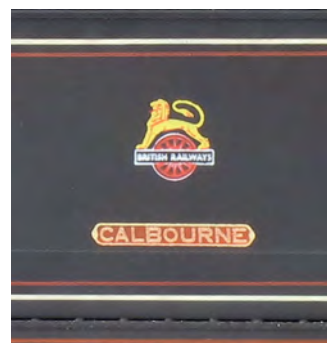
The nameplates and oval Southern Railway numberplate on the bunker are printed but are barely discernible

from the best etched brass plates. The Ryde (71F) smokebox shedplate is neatly printed within a raised moulded surround. This places the model with its early emblem livery in the 1950-54 timeframe, before Ryde's shedcode was changed to 70H. This is the livery currently worn by the sole preserved 02 at the Isle of Wight Steam Railway, as scanned by Kernow to produce the model.

The level and accuracy of detail to produce this variant is commendable and excellent, it's evident that Chris Trerise and his sources have spent many hours researching and capturing detail which has been well captured by DJ Models and its factory in China.

The back-to-back measurements of the wheelsets are all in the 14.5mm to 14.6mm range and the review sample ran reliably through short radius crossovers and around second radius curves.

For modellers wishing to own further Isle of Wight 02s, KMRC will shortly be releasing W16 *Ventnor* in BR late crest lined black. **BRM**



FACT FILE

- ▶ **MANUFACTURER** Kernow Model Rail Centre
- ▶ **MODEL** K2101 BR early emblem lined black Adams 02 0-4-4T 24 Calbourne
- ▶ **PRICE** RRP £124.99
- ▶ **AVAILABILITY** Kernow Model Rail Centre
- ▶ **REVIEW** Andy York

HELJAN CLASS 60

This heavy freight hauler was BR's last new diesel locomotive design. Even in 7mm scale it's a real giant, as **Ben Jones** discovers.

In 1986, Somerset quarrying company Foster Yeoman took delivery of four diesel locomotives designed to haul much heavier loads and deliver far greater reliability than BR's most powerful diesels of the time. The Electro-Motive Division (EMD) Class 59s proved so successful at hauling vast chunks of the Mendips to London that BR soon realised it needed a machine with similar capabilities to make its Railfreight heavy-haul operations more competitive.

Although EMD's design had proved its worth, ordering from the USA was politically difficult for BR to justify and so Brush of Loughborough was selected to build a fleet of 100 locomotives powered by 3,100hp Mirrlees MB275T engines. The first locomotive was rolled out in June 1989; at 70ft long and 129 tonnes it was an impressive machine, but the maximum tractive effort of 106,500lbf (474kN) gave the

biggest clue as to the new design's capabilities. At almost double the limit of Class 56/58 (61,800lbf) it was intended to enable a leap forward in train weights for the Railfreight sector.

After lengthy trials and various modifications to correct numerous design faults, the fleet was slowly delivered between 1990 and 1993, replacing a large number of older diesels, including Class 20s, 26s, 31s, 33s, 37s and 47s, in many cases eliminating the need for double-heading of heavier trains. Class 60s also replaced '56s' and '58s' on the heaviest bulk freight work for Railfreight's Coal, Construction, Metals and Petrochemicals sectors.

Three versions have been released in the first batch, although there's the potential for many more over the coming years. Reviewed here is the post-1996 EWS red/gold model, but there are also versions in mid-1990s Loadhaul

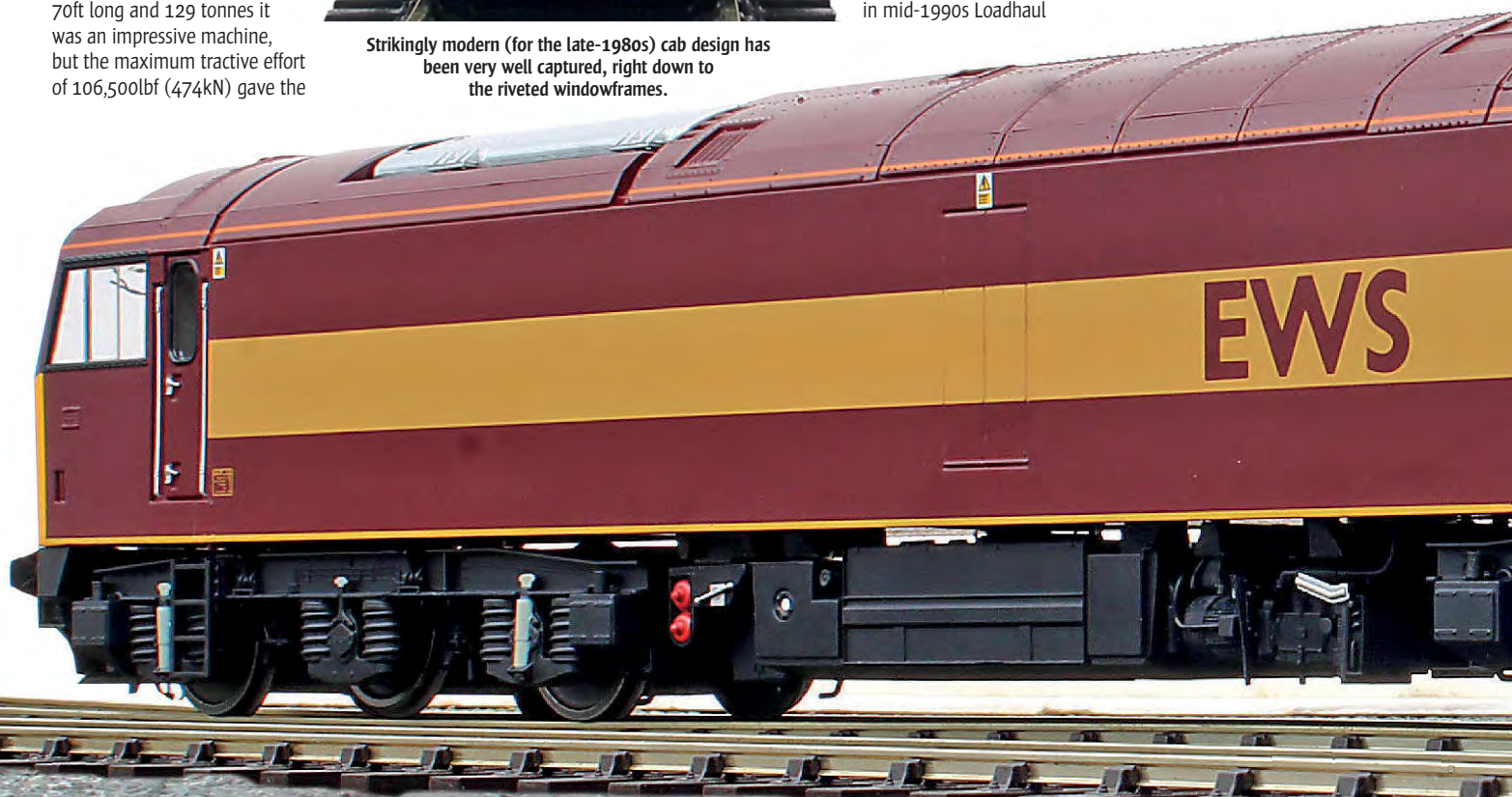
black/orange and original Trainload Construction sector grey. As usual for Heljan, the models are unnumbered and unnamed but the specific livery variants limit your choice of locomotives to a few machines each. However, selecting a suitable subject should be straightforward as there is no shortage of source material on the internet and books such as *Power of the Class 60s* by Gavin Morrison.

Decoration of all three versions is excellent, with an appropriate satin sheen, neat application of lettering/logos and crisp lines where the various colours meet. Our sample carries revised EWS red/gold, with the simplified lettering and no ampersand, as applied to a substantial proportion of the Class 60 fleet from the mid-1990s.

The angular shape of the prototype has been superbly captured by Heljan's design team. A first glance it would be easy to think that this is a fabricated box on wheels, but there are a number of areas where close attention to detail has been shown to subtle curves and angled panels. Not least of these is the cab roof, which is detailed and accurate. Other areas worthy of special mention include the cab windows and windscreens, which



Strikingly modern (for the late-1980s) cab design has been very well captured, right down to the riveted windowframes.



FACT FILE

- ▶ **MANUFACTURER** Heljan A/S, Denmark
- ▶ **MODEL** 6002 EWS red/gold Class 60 Co-Co diesel
- ▶ **PRICE** RRP £649.00
- ▶ **AVAILABILITY** Heljan stockists
- ▶ **REVIEW** Ben Jones
- ▶ **PHOTOGRAPHY** Bryan Robertson

feature extensive rivet detail, the roof panels and see-through mesh grilles, which show off the traction motor blower equipment inside.

There's lots of fine detail to enjoy all over the model, from the 'SKF' branding stamped on the axlebox covers to the tiny rivets around the roof panels via the authentic arrangement of the bufferbeam mounted snowploughs. A couple of areas are a slight disappointment; the horns on each cab roof are fairly rudimentary and replacement after-market parts would give a better visual effect. Equally, there's some scope for keen modellers to significantly improve the look of the bogie frames by adding separate pipework runs, which are very flat on the model as delivered.

The cab interior, highly regarded by drivers, has been modelled in some detail and is very visible thanks to the large cab windows. A little attention from a paintbrush to pick out the controls and gauges would reap dividends, as would the addition of a driver.

Physically, this is an imposing machine, even at 1:43.5 of its original size, and so the mechanical aspects of the model have to be heavy duty too.



Prototypical 'daylight' and traction equipment is visible through the grilles - a key feature of a Class 60's character.

Weighing in at 2.7kg, it has a substantial die-cast metal chassis block, two large five-pole motors driving two axles on each bogie in A1A-A1A configuration, sprung buffers and screw link couplings. The model is capable of negotiating Peco second radius (1,020mm) curves.

To enable the trademark see-through grilles at the No. 1 end, Heljan has designed an entirely new mechanism with the motors and flywheels mounted horizontally inboard of the bogies, rather than vertically above them. Each motor powers three axles via a low-profile drive shaft and gear train within the bogie itself. It's a neat arrangement that provides the necessary 'grunt' as well as the required view of internal equipment through the large bodyside grilles.

Other operating features include LED directional head and tail lights and a fan compartment light. A row of five switches on the chassis allows the lighting to be configured for daytime or night-time running with side and tail lights on or off according to your requirements. However, these cannot be controlled independently on DCC unless you're brave enough to re-wire the circuit board.

As is standard for Heljan O gauge diesels, there's no DCC decoder socket, but the model is pre-wired to accept a high-capacity decoder, for example a Lenz Gold Maxi. There's also plenty of space for a sound decoder, such as the ESU LokSound XL or Zimo MX695, and a large speaker.

Heljan's '60' model marks its first move away from first generation BR classes and smaller mixed traffic types towards a more recent heavy freight specialist. How many O gauge modellers will have the space for a train of 45 HAA coal hoppers or 30+ 100t bogie oil tanks is debatable, but it would make an impressive sight. With Heljan's bogie Cargowaggons coming soon and HAA/HEA hoppers promised by Dapol, there will eventually be a good selection of air-braked wagons for the '60s' to haul. Nevertheless, this is a high-quality addition to the O gauge diesel fleet and a welcome move towards the more contemporary railway. **BRM**

● **Thanks to Bryan Robertson for his assistance with this review.**



Big impressive and well-finished, this 'Tug' is another 7mm scale hit for Heljan, although keen modellers will be able to find plenty of detailing to improve it further.

HELJAN BALLAST HOPPERS

Howard Smith takes a look at Heljan's new 'Catfish' and 'Dogfish' ballast wagons to see how they measure up.



Heljan's RTR O gauge locomotives have little to pull if buyers aren't building wagon kits as well. These two latest additions to its O gauge range will certainly help.

A few years ago when I heard Heljan was to produce a 'Catfish' and 'Dogfish' in O gauge, it caught my interest. I've built at least eight in this scale from brass kits and having had to add lots of extra detail, I can appreciate how deceptively complex the designs are. Both wagons have now arrived and each is available in four liveries – BR black, early olive, late olive and grey/yellow, all with a recommended price of £99.95.

From the quality of RTR products now released, it's evident that many hours have been spent in front of screens by CAD engineers, designing each component. To get this stage

right is half the battle to a good RTR product and Heljan's wagon releases have 'upped the ante' each time. Both 'Catfish' and 'Dogfish' wagons here are no different – there's no skimping on detail.

Heljan could have overlooked the minute



Apart from a couple of wonky uprights on our 'Dogfish', the fit and finish of both wagons is exemplary.

FACT FILE

- ▶ **MODELS** Heljan A/S Catfish and Dogfish ballast hoppers
- ▶ **RRP** £99.95 each
- ▶ **AVAILABILITY** Heljan stockists
- ▶ **REVIEW** Howard Smith
- ▶ **PHOTOGRAPHY** Tony Wright

lubricating pipes that run from the filler boxes adjacent to the door wheels, down to the door opening mechanisms, but it hasn't. Nor has it ignored the vacuum brake pipe that runs the length of one side of the hopper behind the side supports. At a glance or in a passing train you'd never notice them, but when you study it more closely it's important. The brake 'V' hangers are present too. Every component has to be designed separately, but also have to be applied separately too. This is where I differentiate an average RTR product from a good one and these certainly fall into the latter category. The wagons dimensionally are spot on, the narrow chassis with wider hopper overhang when seen from above has been captured well.

Despite being made from numerous large pieces of plastic neither wagon creaks and they are surprisingly rigid. Again, this is largely down to good design work from the outset. Where components have been glued together, they've been done so neatly with no visible gaps or overruns of glue. The rivets around both models aren't bad either.

I might have designed the platform steps differently - Heljan has moulded them with the chassis and made the supports quite chunky - no doubt to make them sufficiently robust. It's a wise choice as they are vulnerable

parts, but given the equally fragile handrails and wheels and detail on the rest of the wagon, I think these could have been more slender mouldings and made to scale as separately applied parts. It would have made the painting of them in the factory easier too.

Above the steps on the platform tops, the chassis tread plate has been wonderfully reproduced with all the right things in the right places - the base of the handrails with rivets and the foot operated door locking mechanism. Protruding from either end of the tread plates are the sprung buffers and couplings, each with the perfect sprung weight.

As with other recent rolling stock releases in O gauge, Heljan has given both models sprung axles. But, the springs remain compressed when the wagons are on their wheels, even when empty.

Other than to pick the wagon up, push the axles up and down and comment 'that's clever', it makes me question their purpose. Perhaps a stiffer spring should be specified on the next batches.

The wagons are weighty, the 'Dogfish' coming in at 195g and the 'Catfish' 125g. A removable cast weight between the sloping hopper doors keeps the 'Dogfish' firmly planted, something not possible due to the exposed underframe centre

CATFISH ZEVE
19T tare 9550kg
DB983503



Above The Timken roller bearing axleboxes on the 'Dogfish' differ from the oil types on the 'Catfish'. Perhaps Heljan will produce a model of each with alternate axleboxes. Both are interchangeable if you're willing to separate the bottom of the axle guards.

section of the 'Catfish'. To overcome this it has added discreet diecast metal weights under each platform end, extending the length of the chassis rails. It makes the 'Catfish' slightly lighter than the 'Dogfish', but then so were the prototypes.

DECORATION

The application of the livery - in this case, olive drab - is as good as we've come to expect from Heljan. The only niggle I could find was with the fonts chosen for the numbers, which aren't true railway fonts, but then the prototypes hardly followed strict rules with many of the numbers roughly painted, some using stencils, others not. I like the painted elements which many manufacturers don't tend to bother applying to wagons - the 'P5' wheel profile, the words 'shut' and 'open' above the opening wheels, the handbrake 'on' with arrows above the handbrake wheel. They all count towards a strong overall showing.

The wagon interiors were never painted and Heljan has chosen to paint them uniformly in a generic rust



Included with both hoppers are two moulded ballast loads to represent a half-filled and fully-loaded wagon.

colour. It's not the best as rust is never just one colour, but it's better than painting it the same colour as the external bodywork. The handrails, steps, lamp brackets and handbrake wheels are correctly picked out in white.

FURTHER ENHANCEMENTS

'Dogfish' hoppers are one of the main staples for my layout 'Penmaenmawr' and I can see some of these being acquired. They're excellent, but I'm not known for leaving RTR products alone, no matter how good. I can see a few short evening projects - some bent wire into 'hoops' would make good brakegear retainers and replacing the steps with something finer like an etch with strips of thin wood for the planks would really set these wagons off. As you'd expect from an RTR product, both are very clean, so a bit of weathering is required, but you'll be able to do that to your taste.

I can happily recommend both models and I think Heljan can be proud of what it has achieved - two good products that represent value for money. Compare the price of them to kits. Now, how about a 'Seacow' or a 'Shark' to go with them? **BRM**



SEE PAGE 93
FOR A BRIEF
HISTORY OF
THESE CLASSIC
BR BALLAST
HOPPERS



DATES FOR YOUR DIARY

CONTACT US

Diary Dates entries are published free of charge to bona fide model railway clubs and societies.

PLEASE SEND FULL DETAILS OF FORTHCOMING EVENTS TO

Diary Dates, BRM, The Maltings, West Street, Bourne, Lincolnshire. PE10 9PH

EMAIL diarydates@warnersgroup.co.uk

WEBSITE Enter them on our website at www.model-railways-live.co.uk

MODEL RAILWAYS LIVE

Closing date for the March issue is January 4

Suitable for disabled visitors.

Whilst BRM makes every attempt to include all Diary Date events and exhibition dates, occasionally, due to limited space, we may have to leave some out. Gold (paid for) listings are always included.

EXHIBITIONS

12TH DECEMBER

First Bangor Model Railway Club Christmas Exhibition First Bangor Presbyterian Church Halls, Main Street, Bangor, County Down BT20 4AG
Saturday: 1000 - 1700
Prices: £3.00 adult, £1.00 child, £2.00 concessions, £6.00 family
Web: www.firstbangormrc.co.uk

12TH-13TH DECEMBER

Raillex North East 2015 The Quorum Business Park, Benton Lane, Newcastle upon Tyne NE12 8BS
Saturday: 1000 - 1700
Sunday: 1000 - 1600
Prices: £6.00 adult, £3.00 child, £15.00 family (2 + 2)
Tel: 07900431042
Web: www.btmrs.co.uk

The Model Show Poynton Leisure Centre, Yew Tree Lane, Poynton, Stockport, Cheshire SK12 1PU
Saturday: 1000 - 1700
Sunday: 1000 - 1630
Prices: £5.50 adult, £3.50 child, £15.00 family (2 + 3)
Web: www.modelshow.co.uk

27TH-28TH DECEMBER

Gainsborough Model Railway Society Florence Terrace, (Near Tesco car park), Gainsborough, Lincolnshire DN21 1BE
Sunday: 1.30pm to 6.00pm
Monday: 1.30pm to 6.00pm
Prices: £4.00 adult, £3.00 child, £3.00 OAP, £10.00 family (2+2)
Tel: 01427 615871
Web: www.gainsboroughmodelrailway.co.uk

2ND JANUARY

North Wales N Gauge Group Show Saint Michaels Church, Rosemary Lane Conwy LL32 8HY
Saturday: 1000 - 1600
Prices: £2.00 adult, £1.00 child
Tel: 01492 572633

9TH-10TH JANUARY

The Pratts Bottom Model Railway Show The Pratts Bottom Village Hall, Norsted Lane, Rushmore Hill, Orpington, Kent BR6 7PQ

Saturday: 1000 - 1700
Sunday: 1000 - 1700
Prices: £3.50 adult, £1.50 child
Tel: 0773 3461 477
Web: www.orpingtonmodelrail.org.uk

9TH-10TH JANUARY

Kidlington Scoutrail 2016 Exeter Hall, Kidlington, Oxfordshire OX5 1AB
Saturday: 1000 - 1630
Web: www.scoutrail.org.uk

10TH JANUARY

Weston Super Mare Model Train Show The Campus, Highlands Lane, Locking Castle, Weston-Super-Mare, Somerset BS24 7DX
Sunday: 1000 - 1640
Web: www.westonsupermaretrainshow.com

15TH-17TH JANUARY

London Model Engineering Exhibition Alexandra Palace, Alexandra Palace Way, Wood Green, London N22 7AY
Friday: 1000 - 1700
Saturday: 1000 - 1700
Sunday: 1000 - 1630
Prices: £9.50 adult, £3.00 child (5-14yrs), £8.50 OAP, £8.50 concessions
Tel: 01926 614101
Web: www.londonmodelengineering.co.uk

16TH JANUARY

Astolat Model Railway Circle Exhibition Guildford County School, Farnham Road, Guildford, Surrey GU2 4LU
Saturday: 1000 - 1700
Prices: £6.00 adult, £3.00 child, £12.00 family
Tel: 01483 722098

Web: www.astolatmrc.co.uk

Bridport & District Model Railway Club Exhibition Beaminster Public Hall, Fleet Street, Beaminster, Dorset DT8 3EF
Saturday: 1000 - 1600
Prices: £3.00 adult, £1.00 child
Tel: 01307 861 754

16TH-17TH JANUARY

2016 St Albans Model Railway Exhibition Alban Arena, St. Peters Street, St. Albans, Hertfordshire
Saturday: 1000 - 1730
Sunday: 1000 - 1630
Prices: £8.00 adult
Tel: 01438 715580
Web: www.cmra.org.uk/stalbans.html

17TH JANUARY

SNCF Society Model Rail Show & Winter Rendezvous Lenham Community Centre, Groom Way, Lenham ME17 2QT
Sunday: 1000 - 1700
Prices: £4.00 adult, £1.50 child

23RD JANUARY

Egham & Staines Model Railway Exhibition Manor Croft School, Wesley Drive, Egham, Surrey TW20 9LX
Saturday: 1030 - 1700
Prices: £5.00 adult, £2.50 child, £4.00 OAP, £12.50 family (2 + 2)
Tel: 7826724063
Web: www.esmrs.co.uk

23RD-24TH JANUARY

Calne Model Rail Show 2016 Calne Leisure Centre, (follow signs to

OPEN DAYS

19TH DECEMBER

Hillingdon Railway Modellers Test Track Open Day Yiewsley Baptist Church, Cornerstone Centre, 74 Colham Avenue, Yiewsley, Middlesex UB7 8HF
Saturday: 1000 - 1600
Prices: £4.00 adult
Tel: 020 8368 4090
Web: www.hillingdonrailwaymodellers.co.uk

28TH DECEMBER

West Wiltshire Model Railway Circle - Club Open Day Steeple Ashton Village Hall, BA14 6EW

30TH DECEMBER

Wimborne Railway Society Open Day United Reformed Church Hall, Chapel Lane, Wimborne, Dorset BH21 1PP
Wednesday: 1000 - 1600
Prices: £2.50 adult, £0.50 child
Tel: 01202 874735
Web: www.wimrail.org.uk

23RD JANUARY

Milton Keynes Railway Society North House, 1 Bond Avenue, Bletchley MK1 1SW
Saturday: 1100 - 1600
Web: www.mkmrs.org.uk

Year End Toy Fair's



Sun 27th and Mon 28th December 2015 -

Year End Fair

Sat 13th and Sun 14th February 2016 -

Winter Fair & Steam Gala

10.00am to 4.00pm

The National Railway Museum, Shildon
Locomotion, Shildon DL4 1PQ

Nearest Railway Station - Shildon 100 yds. On Arriva Bus Routes

Free Entry and Free Parking • Cafe • Disabled Access

Selection of model railway layouts on display

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

Products
at Prices
Not to be
Missed!

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

**Squires will be exhibiting at the following shows in 2015 –
Diary updated as bookings are confirmed.**

Dec 12/13 - NORTH SHIELDS Railx NE Model Railway Exhibition, Quorum Business Park, Newcastle-upon-Tyne NE12 8BS. Sat 10-5, Sun 10-4. **New Dates New Venue**
Dec 12/13 - KNOCKHOLT Model Fest 2015, Coolings Garden Centre, Rushmore Hill, Knockholt, Kent, TN14 7NN. Featuring Model Railways, Boats, Planes & Military Modelling. Sat/Sun 10-4.
EXHIBITIONS & SHOWS IN 2016
Jan 9/10 - BOGNOR REGIS Model Railway Exhibition, Felpham Community College Felpham Way, Felpham, Bognor Regis, West Sussex PO22 8EL. Sat 10 - 5, Sun 10 - 4.30 *Free Parking*
Jan 16 - GUILDFORD Astolat Model Railway Exhibition, Guildford County School, Farnham Road, Guildford GU2 4LU. Sat 10-5. www.astolatmrc.co.uk
Jan 23 EGHAM & STAINES Model Railway Exhibition, Manorcroft School, Wesley Drive, Egham, Surrey TW20 9LX. Sat 10.30 - 5.00 **Close to Egham Town Centre, 5 Mins walk Egham Station**
Jan 23/24 - CALNE MODEL RAILWAY EXHIBITION Calne Leisure Centre, White Horse Way, Calne, Wiltshire. SN11 0SP *Free parking at the Show*, Sat/Sun 10-5
Jan 30/31 - KENDAL Model Railway Exhibition Leisure Centre, Burton Rd, Kendal, LA9 7HX. Sat/Sun 10-5.
Jan 31 - BRISTOL - Bristol 'O' Gauge Group Exhibition University of the West of England (UWE Bristol), Conference & Exhibition Centre, Filton Road, Bristol, BS34 8QZ. Sunday 10 - 4.
Feb 13 NEWBURY MODEL RAIL SHOW St. Bartholomews School, Andover Rd, Newbury, Berks RG14 6JP. 10 - 4.30pm. 13 Layouts - Free Parking. Close to Newbury Railway Station.
Feb 14 - MANCHESTER ALSRM NORTH 'O' Gauge Show, Woodhouse Park Lifestyle Centre, Portway, Wythenshawe, Manchester, M22 1QW Sun 10 - 4pm Free Parking - Test track, 16 layouts.
Feb 20 - TONBRIDGE Model Railway Exhibition, The Angel Centre, Tonbridge, Kent, TN9 1SF. Sat 10 - 5pm. www.tonbridgемrc.com
Feb 19/20/21 - BRIGHTON Model World 2015 Brighton Centre, Kings Rd, Brighton, BN1 2GR 10-5pm. **We are in our Normal Position in the EAST WING - Beat the queues! - enter via the Pay Desk at East Wing**
Feb 26/27/28 - GLASGOW Model Rail Scotland 50th Anniversary Show, Scottish Exhibition Centre, Glasgow, G3 8YW. Fri 10.30 - 6, Sat 9.30 - 6, Sun 9.30 - 5. Coming to Glasgow? Why not try Saturday or Sunday? The show is less busy see more of the layouts AND a lot easier to get to our stand!!!
Mar 5 - KETTERING Gauge 'O' Guild Spring Show, Kettering Leisure Village, Thurston Drive, Kettering, NN15 6PB. Sat 10 - 4.00.
Mar 5/6 - PRESTON Preston & District Model Railway Exhibition, Sports Hall, Preston College, St Vincents Road, Fulwood, Preston, Lancashire, PR2 8UR. Sat/Sun 10 - 5pm.
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 *FREE Parking*
Mar 12/13 - NOTTINGHAM East Midlands Model Railway Exhibition Hadden Park High School, Harvey Road, Bilborough, Nottingham, NG8 3BB. **Plenty of FREE Parking.** Sat 9.30 - 5.30, Sun 10 - 5.00.
Mar 12/13 - BASINGSTOKE Model Railway Exhibition, Aldworth Science College (formerly The Richard Aldworth School), Western Way, Basingstoke, RG22 6HA Saturday 10 - 5, Sunday 10 - 4.
Mar 19 - ABINGDON ABRAIL 2016 Model Railway Exhibition, White Horse Leisure & Tennis Centre, Audlett Drive, Abingdon, Oxon, OX14 3PJ. Saturday 10 - 5pm. *Note CHANGE of DATE*
Mar 20 - STAFFORD G Scale Society Show, Stafford County Showground, Weston Rd, Stafford, ST18 0BD. *FREE Parking* Sunday 10 - 5. *Features Normal Squires Stand for all Scales*
Mar 26 - 28 - YORK Model Railway Show, The Knavesmire Stand, Racecourse Road York. YO23 1EX. Saturday/Sunday 10 - 5, Monday 10 - 4.30.
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**
April 2 - NORWICH Model Railway Exhibition, Hellesdon High School, Norwich NR6 5SB. Sat 10 - 4.30pm.
April 9/10 - HORSHAM Crawley MRS Model Railway Exhibition, Tanbridge House School, Farthings Hill, Guildford Road, Horsham, RH12 1SR. Saturday 10-5, Sunday 10-4.30. **PLENTY OF FREE PARKING**
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 Village, Sale Way, Leigh, Lancs WN7 4JY 10 - 4.30.
May 7 - READING The Association of Larger Scale Railway Modellers Trade Show and Exhibition, Rivermead Leisure Centre, Reading. RG1 8EQ. Sat 10 - 4.30.
May 14 - PORTSMOUTH Victory Model Railway Exhibition, Admiral Lord Nelson School, Dundas Lane, Portsmouth, PO3 5XT. Saturday 10 - 4.
May 21 BOGNOR REGIS South Downs 7mm NGA Group SWING M/Railway Exhibition, Felpham Community College, Felpham Way, Bognor Regis, PO22 8EL. 10-4.30. New Venue 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 Road, Glasgow, G43 1NE. Sat 10 - 4, Sun 11 - 4. **Free Parking** - **Close to Railway Station** - **NOTE Change of Date**
Jun 4 - DONCASTER Gauge 'O' Guild Summer Show, The Dome Leisure Centre, Doncaster Lakeside, Bawtry Road, Doncaster, South Yorkshire, DN4 7PD. Sat 10 - 4.00. **NOTE - New Venue & New Date**
Aug 13 - BEXHILL Model Railway Exhibition, St. Richards Catholic College, Ashdown Road, Bexhill-on-Sea, East Sussex, TN40 1SE Sat 10 - 5pm
Sept 3/4 - TELFORD GUILDEX 2016 O Gauge Exhibition and Trade Show, The Telford Exhibition Centre, St. Quentin Gate, Telford, TF3 4JH, Saturday 10 - 5, Sunday 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 24/25 - HALIFAX Model Railway Exhib, 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, PO16 7JU. Saturday 10-5.30, Sunday 10.00 - 16.30. ***50th Anniversary***
Oct 8/9 - ALDERSHOT Farnham Model Railway Club Exhibition, Connaught Leisure Centre, Tongham Road, Aldershot, Hants. GU12 4AS. Sat 10-5, Sun 10 - 4.30
Oct 29/30 - HAZEL GROVE STOCKPORT Hazel Grove & District Model Railway Society Exhibition, Hazel Grove Recreation Centre, Jacksons Lane, 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
Nov 5 - HIGH WYCOMBE - WYCRAIL 16 Model Railway Exhibition, Cressex Community School, Cressex Road, High Wycombe Bucks HP12 4UD. Saturday 10 - 5
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.

New Tools Shop Extension Opening Soon.

New Printed Mail Order Catalogue to be published soon - reserve your copy now.
Exhibition Invitations always welcomed.



Vectis
AUCTIONS LTD
COLLECTABLE TOY SPECIALISTS

Friday 22nd January 2016

Model Train Sale - Thornaby at 10.30am

WANTED - YOUR COLLECTIONS

- Items always wanted for our Vintage & Modern Auctions
- Consistently achieving the best market value for your items
- Worldwide customer database
- Free valuations

Tel: **Michael Hill 01642 750616**

Mike Delaney - Oxford office 01993 709424

e-mail admin@vectis.co.uk visit www.vectis.co.uk



Fleck Way, Thornaby, Stockton-on-Tees, TS17 9JZ

Please remember you can drop off collections at our Oxford office

Unit 5A, West End Industrial Estate, Witney, Oxon, OX28 1UB

The World's Premier Train Auction House www.vectis.co.uk

EVENT DIARY

Sports Centre), White Horse Way, Calne, Wiltshire SN11 0SP
Saturday: 1000 - 1700
Sunday: 1000 - 1630
Prices: £4.50 adult, £3.00 child
Tel: 01249657283 / 01249819160
Web: www.bmrg.org.uk

City of Canterbury Model Railway Society Annual Exhibition

St Anselms School, Old Dover Road, Canterbury, Kent CT1 3EN
Saturday: 1000 - 1700
Sunday: 1000 - 1630
Prices: £5.00 adult, £3.00 child, £4.00 OAP, £13.00 family (2 + 2)
Tel: 01227 738789
Web: www.ccmrs.co.uk

30TH JANUARY

Southampton Model Railway

Exhibition Barton Peveril College, Chestnut Avenue, Eastleigh, Hampshire SO50 5ZA
Saturday: 1000 - 1700
Sunday: 1000 - 1630
Prices: £7.00 adult, £3.00 child (5-15yrs), £17.00 family (2+2)
Tel: 1489799809
Web: www.southamptonmodelrailwaysociety.wordpress.com

30TH-31ST JANUARY

Longfield Model Railway Exhibition

2016 Longfield Academy, Main Road (B260), Longfield, Kent DA3 7PH
Saturday: 1000 - 1700
Sunday: 1000 - 1600
Prices: £7.00 adult, £3.00 child (5 - 15yrs), £6.00 concessions (2 + 3)
Tel: 07736 560956
Web: www.erithmrs.ukmodelshops.co.uk

Kilmarnock & District Model Railway Club Exhibition

Volunteer Rooms, 19 High Street, Irvine KA12 0BA
Saturday: 1000 - 1700
Sunday: 1200 - 1600
Prices: £4.00 adult, £3.00 concessions, £12.00 family (2 + 2)
Tel: 01563 533393
Web: www.kilmarnockmrc.com

Pontefract Model Railway Exhibition

NEW College, Park Lane, Pontefract, West Yorkshire WF8 4QR
Saturday: 1000 - 1700
Sunday: 1000 - 1630
Prices: £5.00 adult
Web: www.nprms.org

31ST JANUARY

Bristol 7mm Exhibition UWE Bristol Exhibition Centre, Filton Road, Bristol, Avon BS34 8QZ
Sunday: 1000 - 1600
Prices: £7.00 adult
Web: www.bogg7mmexhibition.com

OTHER EVENTS

12TH-13TH DECEMBER

Gresley & Wychnor Model Railway

Group - Mince Pie Weekend

Gresley Social Centre, Park Street, Castle Gresley DE11 9QE
Saturday: 1000 - 1630
Sunday: 100 - 1600
Prices: £3.00 adult, £2.50 concessions, £6.50 family

13TH DECEMBER

Chichester & District Society of Model Engineers Meet Santa & Train Ride

Blackberry Lane, off Bognor Road, Chichester (East), West Sussex PO19 2FS
Sunday: 1300 - 1600
Prices: £4.00 adult
Tel: 07954 051594
Web: www.cdsme.co.uk

TRAIN & TOY FAIRS

12TH DECEMBER

J & J Fairs Ltd - Brentwood

International Hall, Brentwood Centre, Doddington Road, Essex CM15 9NN
Saturday: 1000 - 1430
Prices: £3.00 adult, £2.00 child, £2.50 OAP
Tel: 01522 880383
Web: www.j-jwebbttoyfairs.com

13TH DECEMBER

J & J Fairs Ltd - Lincoln

The Exhibition Centre, Lincolnshire Showground, Lincoln, Lincolnshire LN2 2NA
Sunday: 1000 - 1430
Prices: £2.50 adult, £1.50 child, £2.00 OAP
Tel: 01522 880383
Web: www.j-jwebbttoyfairs.com

13TH DECEMBER

SRP Toy Fairs - Wallington

Phoenix Centre, Mollison Drive, Wallington, Surrey SM6 9NZ
Sunday: 1000 - 1400
Prices: £2.00 adult
Tel: 07739998012 / 01322662729
Web: www.srptoyfairs1.co.uk

17TH DECEMBER

Theydon Bois Toy & Train Fair

Theydon Bois Village Hall, Coppice Row (B172), Theydon Bois, Essex CM16 7ER
Thursday: 1900 - 2100
Prices: £1.00 adult
Tel: 07866 641215

19TH DECEMBER

SRP Toy Fairs - Hawkinge

Hawkinge Community Centre, Heron Forstal Avenue, Hawkinge, Kent CT18 7FP
Saturday: 1000 - 1400
Prices: £2.00 adult
Tel: 07739998012 / 01322662729
Web: www.srptoyfairs1.co.uk

20TH DECEMBER

J & J Fairs Ltd - Huntingdon

Int. Indoor Arena, Kings Bush Centre, Wood Green Animal Shelters, Godmanchester PE29 2NH
Sunday: 1000 - 1430
Prices: £3.00 adult, £2.00 child, £2.50 OAP
Tel: 01522 880383
Web: www.j-jwebbttoyfairs.com

Train & Toy Fair North Petherton The

Venue, Junction 24 Marketway, North Petherton, Somerset TA6 6DF
Sunday: 1000 - 1500
Prices: £2.00 adult
Tel: 01823480097 / 07717278420

SRP Toy Fairs - Orpington

Crofton Halls, Station Road, Orpington, Kent BR6 8PR
Sunday: 1000 - 1400
Prices: £2.00 adult
Tel: 07739 998012/01322 662729
Web: www.srptoyfairs1.co.uk

27TH DECEMBER

Llandudno Toy & Train Fair

Cymru, Seafront, Llandudno LL30 1BB
Sunday: 1030 - 1530
Prices: £2.00 adult
Tel: 01492 545053

Web: www.llantransfest.co.uk

SRP Toy Fairs - Worthing

Charmandean Centre, Forest Road, Worthing BN14 9HS
Sunday: 1000 - 1400
Prices: £2.00 adult
Tel: 07739 998012 / 01322 662729
Web: www.srptoyfairs1.co.uk

28TH DECEMBER

Barry Stockton Fairs - Haydock Park

Racecourse Haydock Park Racecourse, Exhibition Centre, Haydock Park, Merseyside WA12 0HQ
Monday: 10.30am - 3.00pm
Prices: £1.50 adult, £0.50 child
Tel: 0151 334 3362
Web: www.barrystocktonfairs.co.uk



Supporting
LOSTWITHIEL TOY FAIR
Sunday
27th December

LISKEARD RAILWAY MODELS
 Station Road, Liskeard, Cornwall PL14 4BX
TEL: 01579 349950
www.liskeardrailwaymodels.co.uk
Email: info@liskeardrailwaymodels.co.uk








MEETINGS & TALKS

10TH DECEMBER

IRRS - "The West Clare Railway"
 by Michael Walsh Function Room, Rugby Tavern, 19 Great James Street WC1N 3ES
Thursday: 1900
Prices: £5.00 adult
Web: www.irrs.ie

14TH DECEMBER

Plymouth Railway Circle - Mills Railway Year 2015

St Edwards Church Hall, Home Park Avenue, Peverell, Plymouth, Devon PL3 4PG
Monday: 1930
Prices: £2.00 adult
Tel: 01752 651014

17TH DECEMBER

Lutterworth Railway Society - Scotland 59 - 68 End of Steam

United Reformed Church, George Street, Lutterworth LE17 4EF
Thursday: 1930
Tel: 01445 203307
Web: www.lutterworthrailwaysociety.co.uk

4TH JANUARY

Mirfield Railway Enthu. Society - Steve Armitage

Navigation Tavern, Station Road, Mirfield, West Yorkshire WF14 8NL
Monday: 1930

Plymouth Railway Circle

St Edwards Church Hall, Home Park Avenue, Peverell, Plymouth, Devon PL3 4PG
Monday: 1930
Prices: £2.00 adult
Tel: 01752 651014

5TH JANUARY

Southern Electric Group - South Hants Meetings

Eastleigh Railway Institute, Romsey Road, Eastleigh SO50 9FE
Tuesday: 1930
Prices: £3.00 adult
Tel: 023 8067 0028
Web: www.southernelectric.org.uk

TETC - Presentation by John Rayment

(Rail Discoveries) First Floor Meeting Room, The Drill Hall Sports Club, Old Park Avenue, Enfield, Middlesex EN2 6PJ
Tuesday: 20.00 - 22.30
Tel: 020 8363 0697

11TH JANUARY

Southern Electric Group - Sussex Meeting

Southwick Community Centre, BN42 4TE
Monday: 1930 - 2200

13TH JANUARY

North London Railway Historical Society Meeting - London Railway

Memories Keen House, 4 Calshot Street, London N1 9DA
Wednesday: 1400
Prices: £3.00 adult
Tel: 01235 511044

21ST JANUARY

IRRS What Lay Behind the 1957 GNR

Closures - Steve Rafferty + AGMM The Cock Tavern, 23 Phoenix Road, London NW1 1HB
Thursday: 1900
Prices: £5.00 adult
Web: www.irrs.ie

LORD AND BUTLER

Sponsor

A MODEL RAILWAY SHOW - CARDIFF

Saturday 23rd January 2016 10:00am - 4:00pm

12+ Layouts!

Scout Association Headquarters Fields Park Road Cardiff CF11 9HX
Admission:- £3.50 adults
Under 14s free

The Old Warehouse
The Pumping Station
Penarth Rd Cardiff CF11 8TT
029 2066 7225

Refreshments Free parking
& Public Transport links

OPEN 7 DAYS A WEEK
Monday to Saturday 10 - 5.30
Sunday 2 - 5.30
www.lordandbutler.com



BRM

BRITISH RAILWAY MODELLING

FREE E-NEWSLETTERS

Exclusive articles, events & competition

Register now at
www.model-railways-live.co.uk/register

THE DIESEL & ELECTRIC SHOW

THE BEST OF DIESEL ERA MODELLING

SPONSORED BY BACHMANN EUROPE Plc

BRAND-NEW SHOW!

- Fantastic display of layouts including Porthcullin, Roundtrees Sidings & New Bryford
- Trade stands, exhibitors and detailers
- FREE colour programme
- Modern and accessible venue with excellent facilities
- Café and seating area
- Demonstrations
- Clubs and societies
- 1 mile away from Telford Central Rail Station
- Free mini-bus shuttle from Telford Central Railway Station
- Ample parking within close proximity

FEBRUARY 20-21, 2016
The International Centre,
Telford, Shropshire TF3 4JH
Doors open 10am-4.45pm





SAVE OVER 25% BY BUYING IN ADVANCE!

ADVANCE TICKETS ON SALE NOW!

£7.50 EACH

VISIT: www.dieselandelectricshow.co.uk

OR CALL: 01507 529529



THE SOUTH'S MAJOR SHOWCASE OF MODEL ENGINEERING & MODELLING



LONDON MODEL ENGINEERING EXHIBITION

Sponsored by **ENGINEERING in Miniature**

A GREAT DAY OUT FOR ALL AGES

Great Hall
Alexandra Palace
London
N22 7AY

FRIDAY 15th -
SUNDAY 17th
JANUARY 2016

10am-5pm Fri & Sat 10am-4.30pm Sun

Last entry Friday & Saturday 4.00pm Sunday 3.00pm.
The Model Active Zone will close at 3.30pm on Sunday.

LOTS TO SEE AND DO

- Model trains, boats & tanks
- Passenger carrying locomotives
- Radio control planes & trucks in fabulous Model Active Zone
- Meccano, Horology & more...

MEET THE CLUBS AND SOCIETIES

- Over 50 national & regional clubs and societies attending
- See 1,500 fantastic models on display
- Exciting demonstrations

OVER 55 LEADING SPECIALIST SUPPLIERS
PRESENT. EVERYTHING HOBBYISTS
NEED UNDER ONE ROOF!

f
London Model
Engineering Exhibition

Car Parking for 1,500 Vehicles & **FREE** Showguide

**BOOK YOUR
TICKETS NOW**

ALL ADVANCE TICKET SALES
CLOSE ON 8th JANUARY.

TICKET	ONLINE TICKETS*	FULL PRICE TICKETS**
Adult	£9.50	£11.00
Senior Citizen	£8.50	£10.00
Child (5-14 yrs)	£3.00	£4.00

* Tickets are available via our website at discounted prices until 8th January 2016.

** Full price tickets are available on the day from the ticket office.

If you call to book a ticket over the phone there will be a £1.00 administration fee on top of the online ticket price to a maximum value of £3.00 per order.

For groups of 10 or more, 10% discount applies. Quote GRP10 online.

www.londonmodelengineering.co.uk



Organised by Meridienne Exhibitions Ltd
All information subject to change, correct at time of printing.



EVENT DIARY

J & J Fairs Ltd - Spalding Springfields Events Centre, Camel Gate, Spalding, Lincolnshire PE12 6ET
Monday: 1000 - 1430
Prices: £2.50 adult, £1.50 child, £2.00 OAP
Tel: 01522 880383
Web: www.j-jwebbttoyfairs.com

29TH DECEMBER

SRP Toy Fairs - Rayleigh Sweyne Park School, Sir Walter Raleigh Drive, Rayleigh, Essex SS6 9BZ
Tuesday: 1000am - 1400
Prices: £2.00 adult
Tel: 07739998012 / 01322662729
Web: www.srptoyfairs1.co.uk

1ST JANUARY

J & J Fairs Ltd - East Midlands Newark & Notts Showground, Winthorpe, Newark NG24 2NY
Friday: 1000 - 1500
Prices: £3.50 adult, £2.50 child, £3.00 OAP
Tel: 01522 880383
Web: www.j-jwebbttoyfairs.com

Tony Oakes Leisure Centre, Hightown, Bridgnorth, WV16 4ER
Friday: 1030 - 1500
Prices: £2.00 adult
Tel: 01270 652773

3RD JANUARY

SRP Toy Fairs - Dartford Dartford Science & Technology College, Heath Lane, Dartford, Kent DA1 2LY

Sunday: 1000 - 1400
Prices: £2.00 adult
Tel: 07711 357567
Web: www.srptoyfairs1.co.uk

6TH JANUARY

South Croydon Toy & Train Fair St John's Community Hall, Upper Selsdon Road, South Croydon CR2 8DD
Wednesday: 1830 - 2030
Prices: £1.00 adult
Tel: 07866 641215

9TH JANUARY

SRP Toy Fairs - Hawkinge Hawkinge Community Centre, Heron Forstal Avenue, Hawkinge, Kent CT18 7FP
Saturday: 1000 - 1400
Prices: £2.00 adult
Tel: 0773 9998012 / 01322 662729
Web: www.srptoyfairs1.co.uk

10TH JANUARY

SRP Toy Fairs - Orpington Crofton Halls, Station Road, Orpington, Kent BR6 8PR
Sunday: 1000 - 1400
Prices: £2.00 adult
Tel: 07739 998012 / 01322 662729
Web: www.srptoyfairs1.co.uk

16TH JANUARY

J & J Fairs Ltd - Brentwood The International Hall, Brentwood Centre, Doddington Road, Essex CM15 9NN
Saturday: 1000 - 1430
Prices: £3.00 adult, £2.00 child, £2.50 OAP

Tel: 01522 880383
Web: www.j-jwebbttoyfairs.com
17TH JANUARY

SRP Toy Fairs - Brighton The Grandstand & Paddock Hall, Brighton Racecourse, Fresh-Field Road, Brighton BN2 9XZ
Sunday: 1000 - 1400
Prices: £2.00 adult
Tel: 01322 662729 / 07739 998012
Web: www.srptoyfairs1.co.uk

Barry Stockton Fairs - Warrington

Warrington Collegiate, Winwick Road, Warrington WA2 8QA
Sunday: 1030 - 1500
Prices: £2.00 Adults £0.50 Children

20TH JANUARY

Hoddesdon Toy & Train Fair Sheredes School, Cock Lane, Hoddesdon, EN11 9JY
Wednesday: 1900 - 2100
Prices: £1.00 adult
Tel: 07866 641215

23RD JANUARY

SRP Toy Fairs - Henfield Henfield Hall, Henfield, West Sussex BN5 9DB
Saturday: 1000 - 1400
Prices: £2.00 adult
Tel: 01322 662729 / 07739 998012
Web: www.srptoyfairs1.co.uk

24TH JANUARY

SRP Toy Fairs - Midhurst The Grange, Bepton Road, Midhurst, West Sussex GU29 9HG

Sunday: 1000 - 1400
Prices: £2.00 adult
Tel: 01322 662729 / 07739 998012
Web: www.srptoyfairs1.co.uk

26TH JANUARY

SRP Toy Fairs - Tonbridge Angel Centre, Angel Lane, Tonbridge, Kent TN9 1SF
Tuesday: 1800 - 2000
Prices: £1.50 adult
Tel: 07739 998012 / 01322 662729
Web: www.srptoyfairs1.co.uk

31ST JANUARY

SRP Toy Fairs - Colchester Marks Tey Parish Hall, Old London Road, Marks Tey, Colchester CO6 1EN
Sunday: 1000 - 1400
Prices: £2.00 adult
Tel: 07739 998012 / 01322 662729
Web: www.srptoyfairs1.co.uk

PLEASE SEND FULL DETAILS OF YOUR FORTHCOMING EVENTS TO

ADDRESS Diary Dates, BRM, The Maltings, West Street, Bourne, Lincolnshire PE10 9PH

EMAIL diarydates@wamersgroup.co.uk

WEBSITE Enter them on our website at www.model-railways-live.co.uk



BRISTOL 7mm EXHIBITION

Premier South West Gauge O Guild Event

SQUIRES
Model & Craft Tools

in association with

PECO & RAILWAY MODELLER

Supporting
children's hospice
SOUTH WEST
Registered Charity No. 1003314



Sunday 31st January 2016 10.00am - 4.00pm

A Modelling Show- Organised by Modellers- for Modellers

VENUE AT U.W.E.EXHIBITION CENTRE BRISTOL, BS34 8QZ

FREE R.T.R. LOCO
Choice of Two
(to one lucky paying visitor)

* WARM INDOOR QUEUING
Doors open 9am
FOR TOILETS, SEATING
& REFRESHMENTS,

* GAUGE O GUILD VILLAGE
* 60 + TRADE STANDS

* LAYOUTS

* TEST TRACKS

* BRING & BUY

* EXECUTOR & TRUSTEE STAND

* TOP DEMONSTRATORS

* SOCIETIES

* SEATED SOCIAL AREA

* WHEELCHAIR ACCESS

* CHILDREN'S HOSPICE SOUTH WEST
Win
TOWER MODELS Gift Vouchers

Special Limited Edition
R.T.R. Dapol Wagon

ADVANCE TICKETS HOLDERS ONLY
Save travelling costs- buy
"Carbon Footprint 4 in a Car"

Advance Tickets
via web site only

or Telford & Dec Reading Shows
Tickets £7.00 each by 15 Jan 2016

Visit: www.bogg7mmexhibition.com for all details of the Exhibition

LONDON'S PREMIER MODEL RAILWAY SHOW



BRM SUBSCRIBERS SAVE £2.00 PLUS
GET 30MINS EARLY ENTRY & A FREE SHOWGUIDE

**40 MUST-SEE LAYOUTS
FREE EXPERT DEMOS
100+ QUALITY TRADERS**

**YOUR CHANCE TO SEE 40 WORKING
BRITISH, EUROPEAN AND
INTERNATIONAL LAYOUTS
INCLUDING...**


HAPPISBURGH GOODS - O GAUGE
HUNGERFORD - EM GAUGE
ACKTHORPE - OO GAUGE
RADFORD JUNCTION - TT GAUGE
STAPLEFORTH ST ANDREWS - N GAUGE
PLUS MANY MORE...

TWO EASY WAYS TO BOOK

ON THE DOOR: £12.00 | IN ADVANCE: £11.00

BRM SUBSCRIBERS: £10.00

 **MODEL-RAILWAY-SHOWS.CO.UK**

 **0844 581 4972**

T&CS: FEE APPLIES FOR POSTAL TICKETS. E-TICKETS ARE FREE OF CHARGE.
BRM SUBSCRIBER DISCOUNT APPLIES TO ADVANCED BOOKINGS ONLY

MAIL ORDER ADDRESS
Dept R.M.1
39 HIGH STREET
CHELTENHAM, GL50 1DX
Shop Open 9am to 5.30pm
Monday - Saturday
Email sales@cheltenhampmodelcentre.co.uk



UK Standard Postage Rate £4.00 per shipment
Registered 24hr delivery (Mon to Fri) UK
mainland only £7.00. Worldwide postage at cost.
PLEASE WRITE CLEARLY SAE with all
enquiries. THESE OFFERS ARE SUBJECT TO
AVAILABILITY AND MAY BE WITHDRAWN
WITHOUT PRIOR NOTICE.
Payment may be made by phone 

TELEPHONE ORDER LINES 01242 523117 01242 234644 FAX AND ANSWER M/C WHEN CLOSED 01242 226050

www.cheltenhampmodelcentre.com

YOUR FIRST STEP INTO MODEL RAILWAY START HERE

PECO OO GAUGE SETRACK PLANS NOW AVAILABLE AT DISCOUNTED PRICES

PART NO	QTY	PRICE	TOTAL
ST200	2	£1.30	£2.60
ST201	6	£2.05	£12.30
ST225	1	£1.85	£1.85
ST226	7	£2.35	£16.45
ST240	1	£8.65	£8.65
ST241	1	£8.65	£8.65
ST273	1	£2.80	£2.80
ST270	2	£1.65	£3.30
SL50	1	£8.40	£8.40
ST255	1	£4.35	£4.35
ST256	1	£4.35	£4.35
DISCOUNT TOTAL	ONLY		£69.99

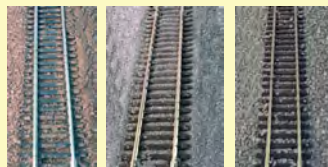


ALL PLANS LISTED IN THE BOOK ARE AVAILABLE FOR PRICING PLEASE CONTACT US FOR MORE INFORMATION LAYOUT WIRE 100 METRE REELS 7/0.2MM, SINGLE CORE, MULTISTRAND AVAILABLE IN RED, GREEN, BROWN, BLACK, YELLOW, WHITE, BLUE
ONLY £6.99 A ROLL



AUTHENTIC STONE BALLAST

As this is genuine ballast from a quarry we are unable to scale them exactly. We recommend the Red/Fine suitable for N/00 and the Medium for OO/0
Supplied in bags approx 500grams per bag
Only £3.00 per bag



Fine Red Sandstone
Medium Grey Granite

Fine Grey Granite

CORK SHEETING

Dimensions: 36inch x 24inch (92cm x 61cm)
m per roll



1/16 inch of Thick
Cork Sheeting
Underlay
£5.00 each or 2 rolls
for £9.00



1/32 inch
Thick of Cork
Sheeting Underlay
£4.00 each or 2 rolls
for £7.00



1/8 inch (3mm)
Thick of Cork
Sheeting underlay
£6.75 each or 2 rolls
£12.00



3/16 inch Thick
of Cork Sheeting
underlay
£10.00 each or 2 for
£17.00



Sundeala Hobbyboard is the ideal material for the top surfaces of high class model railway base-

boards. When correctly supported with wooden battens, it will remain flat and level under normal loading, a vital consideration if the layout is not to deteriorate badly in use. Furthermore the board will accept and retain fine track pins and small screws.

Benefits of Sundeala Hobbyboard:-

- 1200mm x 600mm x 9mm (4ft x 2ft approx)
- Easy to cut & pin track to
- Sound insulating

PACKS AVAILABLE IN 6 FOR POSTAGE ONLY
PACK OF 6 £55.50 PLUS POSTAGE OF £9.00
PACK OF 12 £103.80 PLUS POSTAGE OF £16.00

DISPLAY BOXES



Display your locomotives without the risk of damage. Virtually dust free.
A Perspex top with an MDF (Medium Density Fiberboard) base
Approximate Internal Dimensions
34 cm Long
7.5 cm Wide
10 cm Tall

2 Loco Display Boxes for £22.00
3 Loco Display Boxes for £30.00

STOCK BOXES

Available in 3 different sizes, and 5 different colours, (red, black, brown, blue, green)



Small
157mm x 48mm x 62mm



Medium
220mm x 48mm x 62mm



Large
320mm x 48mm x 62mm

**SPECIAL OFFER;
BUY ANY 4 SMALL OR MEDIUM
SIZES BOXES FOR £10.00
ANY 4 LARGE BOXES FOR £12.00**

MINIATURE WOODEN CANAL BOAT

SIZE: 21cm long x 4cm wide SUPPLIED IN A WHITE BOX
ALL £8.99 EACH

14396a - Canal Boat - Living



CMC - 14396b - Canal Boat - Freight



14396c - Canal Boat - Freight, 'Fellows, Morton & Clayton', Mendip No.25



14396d - Canal Boat - Freight, 'Fellows, Morton & Clayton', Ferret No.58



ANCORTON® MODELS

QUALITY MODELLING MADE EASY

www.ancortonmodels.com

Top quality model kits in OO and N



OOGH1 - Greenhouse kit



NEW RELEASE
OODP2 - WW II pill box kit



OOYC1 - Yard crane kit



OOWM1 - War memorial kit

- * **Create superbly detailed models easily**
 - * **Commission work undertaken at competitive prices**
- Visit www.ancortonmodels.com to view the full range**



www.j-jwebbtoyfairs.com
01522 880383



YORK RACECOURSE SUNDAY 6TH DECEMBER

The Knavesmire Stand, York Racecourse, York YO23 1EX
10am - 2.30pm >> 100 tables >> 6ft table £28 >> Ad £2.50, Sen £2, 1st Ch £1.50

BRENTWOOD SATURDAY 12TH DECEMBER

International Hall, Brentwood Centre, Dodinghurst Road, Brentwood, Essex, CM15 9NN
10am - 2.30pm >> 200 tables >> 6ft table £30 >> Ad £3, Sen £2.50, 1st Ch £2

LINCOLNSHIRE SUNDAY 13TH DECEMBER

The Exhibition Centre, Lincolnshire Showground, Lincoln, LN2 2NA
10am - 2.30pm >> 200 tables >> 6ft table £29 >> Ad £2.50, Sen £2, 1st Ch £1.50

HUNTINGDON SUNDAY 20TH DECEMBER

Int. Indoor Arena, Kings Bush Centre, Wood Green Animal Shelters, London Rd, Godmanchester PE29 2NH. 10am - 2.30pm >> 230 tables >> 6ft table £29 >> Ad £3, Sen £2.50, 1st Ch £2

SPALDING BANK HOL MONDAY 28TH DECEMBER

Springfields Exhibition Centre, Camelgate, Spalding, Lincs PE12 6ET
10am - 2.30pm >> 150 tables >> 6ft table £28 >> Ad £2.50, Sen £2, 1st Ch £1.50

EAST MIDLANDS - NEW YEARS DAY FRIDAY 1ST JANUARY 2016

Newark & Notts Showground, Winthorpe, Newark, Nottinghamshire NG24 2NY
10am - 3pm >> 300 tables >> 6ft table £35 >> Ad £3.50, Sen £3, 1st Ch £2.50

For bookings and further information
please telephone Lorraine on

01522 880383

New email: jandjfairs@virginmedia.com



www.j-jwebbtoyfairs.com



DON'T MISS THE ANNUAL EAST MIDLANDS TOY & TRAIN COLLECTORS FAIR

to be held at THE GEORGE STEPHENSON EXHIBITION HALL,
NEWARK & NOTTS SHOWGROUND, WINTHORPE, NEWARK,
NOTTS NG24 2NY (on the junction of A1/A46 towards Lincoln)

NEW YEARS DAY FRIDAY 1st JANUARY 2016

ONLY ONCE A YEAR - MISS IT AND MISS OUT!

"Always an exciting date on the toy collecting calendar, this very large fair always boasts an excellent selection of old and new toys, trains, models and much, much more. Held in the The George Stephenson Hall which is well lit and spacious with masses of free parking."



10am - 3pm

ADMISSION:
Adults £3.50,
Seniors £3.00,
First Child £2.50

STALLHOLDERS:

Enter from 6.30am. Tables prices at £35 per 6ft

**300
TABLES**

**Bookings
now being
taken!**

For more information about this fair, please contact
Lorraine on 01522 880383 or jandjfairs@virginmedia.com

Steam Loco's

R2784X green Mallard DCC fitted.....	£69.00
A4 Gadget TTS sound.....	£95.00
Duke of Gloucester TTS sound.....	£130.00
R3110 BR 2-6-2 T class 61XX.....	£69.00
R3017 Patriot Sir Herbert Walker.....	£90.00
R3005 28xx weathered.....	£95.00
R3006 38xx weathered.....	£103.00
R3030 LMS 4F.....	£70.00
R3124 BR Early Crest 42xx.....	£98.00
R3126 BR Late Crest 52xx.....	£98.00
TTS sound A1 Tornado.....	£140.00

Hornby K1's**£117.50**

R3243A 62024/62027 Late Crest	
R3242 62015/62059 weathered Early Crest	

BR Crosti Boilered 9F

R3273 BR Early Crest Crosti boilered 9F.....	£109
----------------------------------------------	------

Dapol

Dapol Coach Kits.....	£9.95
Dapol Ready Made Coaches.....	£12.95

Full Range Of Dapol Rolling Stock

Extra Special Offer Train Sets

Tornado Pullman Express BR green Tornado + 3	
Pullman coaches (unlit), track, controller etc ..	£97.50

Spring Sale**BR MK1 coaches were £24.00 NOW £19.95***

R4619 BR1 maroon full brake	
R4620 BR MK1 crimson cream SO	
R4621 BR MK1 maroon TSO	
R4642 BR MK1 choc/cream parcels coach	
R4643 BR maroon TSO	
R4644 BR choc/cream TSO	

Pennine Models at Haworth



ANY
MALICIOUS
RUMORS OF
BUSINESS
CLOSING ARE
DEFIANTLY NOT
TRUE

HUGE RANGE OF HORNBY - Can't find Hornby?

Call us first! Full range of Peco, OO Dapol, Humbrol, Scalextric, Heljan, Oxford Diecast, EFE Buses, Ratio, Wheels & Parkside, Plastic Building Sheets, Jarvis Scenery Packs, Tillig Track & Busch/Auhagen Building Bits. All at discount prices



SEE US AT
SHILDON
27TH & 28TH
DECEMBER

VAST RANGE
OF PLASTIC KITS
many going back
10 years

33/35 Mill Hey, Haworth, Keighley BD22 8NQ**Tel: 01535 642367****penninemodels@googlemail.com****Wednesday to Sunday 11am-5pm****Lighted Pullman Coaches**

R4429/78/79/80/81/84/85/86.....	£25.00
R4419/21/22/23/24/25/27/28/29.....	£35.00
R4660/1/2/4 new K series.....	£45.00

Coaches

R4531 B/C XL & ER Full Brake.....	£29.00
R4634A/B/C blue grey std with lights.....	£33.00
R4444a FO Intercity blue/grey.....	£27.00
R4446A TSO Intercity blue/grey.....	£27.00
R4468 Gresley Buffet blue/grey.....	£39.95
R4406A crimson & cream brake 3rd.....	£21.00
R4408A crimson & cream brake comp.....	£21.00
R4407A crimson & cream composite.....	£21.00

MK4 East Coast Coaches

R4465A 66A/B/C 67 & 68.....	£26.50
-----------------------------	--------

MK3 Coaches

Blue grey ER with lights FO, TSO, TGS, buffet.....	£33.00
R4635A/B Arriva Wales MK3 standard class ..	£26.50

MK1 Coaches

R4613/4/5.....	£16.95
R4350/51/52/53/54/55.....	£11.95
R4611/12 (Mk 2 Coaches).....	£19.95
R4627/29/30.....	£12.95

Wagons

R6678A LMS Horse Box.....	£9.95
R6675/76/77 21ton Hopper.....	£13.95
R6466/67/68 OTA EWS red.....	£13.00Ea
R6489/70/71 OTA Thamesboard blue.....	£12.00 Ea
R6541 Total.....	£6.95
R6642/A shunters wagon GW.....	£9.00
R6643/A shunters wagon BR.....	£9.00
R6647 ex blue spot barrier.....	£9.60
R6401A BR 9 plank grey.....	£5.50
R6606 MGR hoppers.....	£17.50

Hornby Year Wagons

2010...£5.50	2011...£6.00	2015...£9.50
2013...£8.25	2014 £10.50	

Everything in the shop to turn a Train Set into a Model Railway.

**TRACKSIDE
WAY**

00 Scale

4GROUND

TRACKSIDE AND WATERWAYS

 DESIGNED &
UK
 MADE IN THE

Fully featured laser cut
kits with pre-painted parts
as standard.



"This is really good stuff.
I'm looking forward to
seeing more." - Phil Parker
MRE


www.4groundtrackside.com
HAVE YOU ASKED YOUR LOCAL MODEL SHOP IF THEY STOCK 4GROUND

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

gamesontrack

- GPS location of Locomotives - Draws Layout
- Simple automation - No need to cut track
- Control from PC, Smartphone or DCC handset
- Add wireless control to your existing DCC equipment



For more info visit: dccsupplies.com/GOT

Redutex

Bring realism to your layout

Natural finish

N - OO - O scale

self-adhesive

3D 'look and feel' effect sheet.

Easy to cut, Easy to Fit.



Check the website for more details

Unit 17A, Top Barn Business Centre, Holt Heath, Worcestershire, WR6 6NH

FINESCALEBRASS

**New releases including both City of Truro liveries
O Gauge fully finished from stock**



Constructed from brass & stainless steel with helical gearbox, factory applied lining and detailing.

£1650.00 fully finished, DCC & sound £350.00

Prices include VAT, insured delivery, no extra charge for credit cards

Finescalebrass (UK) Ltd, Unit 5, Matrix Court, LEEDS, LS11 5WB. TEL 01132 761759

EMAIL john@finescalebrass.co.uk

Check our website for other models at www.finescalebrass.co.uk

WANTED

MODEL RAILWAY & COLLECTABLES

Top Prices Paid

*For all makes, all gauges and live steam,
aeroplane kits, boats, die cast etc.*

Instant cash paid

Will travel to collect



01945 429252
07723 336344

email: dbmodels@live.com

28c Europa Way, Wisbech, Cambs, PE13 2TZ



TELEPHONE: 01244 400930

CHESTER MODEL CENTRE

71 - 73 BRIDGE STREET ROW (East) CH1 1NW



OPEN 7 DAYS A WEEK Mon - Saturday 10:00am - 17:30pm Sunday 11:00am - 17:00pm

From GC Weathering exclusively for Chester Model Centre

**Complete respray and custom weathered finish including driver and detailed front end.
Brand new loco (ex R2692 Oystermouth). Order now for £175 including post and packing.**



The Model Shop For The North West and North Wales - www.chestermodelcentre.com

MegaPoints Controllers

Awesome layout control system

Includes semaphore bounce - see web for details

MegaPoints Servo Controller features:-

- Control up to 12 points, semaphores or relays!
- Can be used for gates, uncouplers, barriers, doors etc.
- Simple setup – programming buttons on the main board!
- Variable speed control and reversing.
- Built in memories for quick route setup!
- All connections via plugs (supplied), no soldering needed.
- Uses industry standard servos costing as little as £1.50 each!
- Amazing semaphore bounce realism - physics modelled and random, each bounce is subtly different!
- Works with analogue, DCC, steam, any gauge.

Also available:-

DCC Module

- Control a single board or your whole layout.

MultiPanel controller

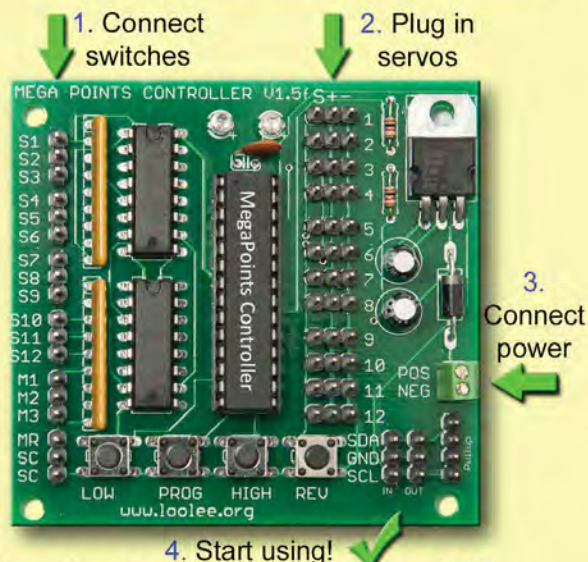
- One cable easy wiring for your mimic panels.

Routing processor

- One touch setup of your entire layout.

No computer required, it becomes part of your layout.

Use your Arduino or Raspberry Pi to control, see web site for code examples and videos



Web: www.loolee.org - British designed and built!

Rev: 15-23

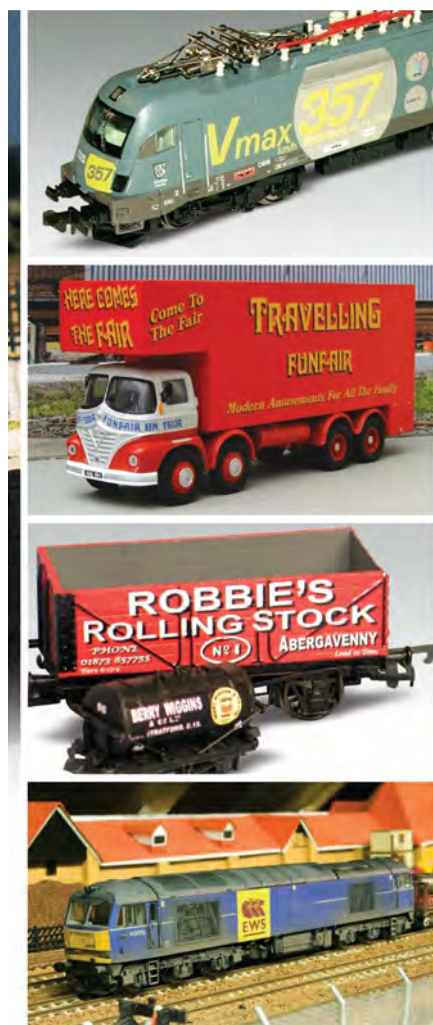
The ultimate digital crafting website!

CRAFTY
Computer paper

20% OFF
your first order
when you join our mailing list

Print your own decals
Easily customise your models
using our water-slide decal
paper for inkjet or laser printers.

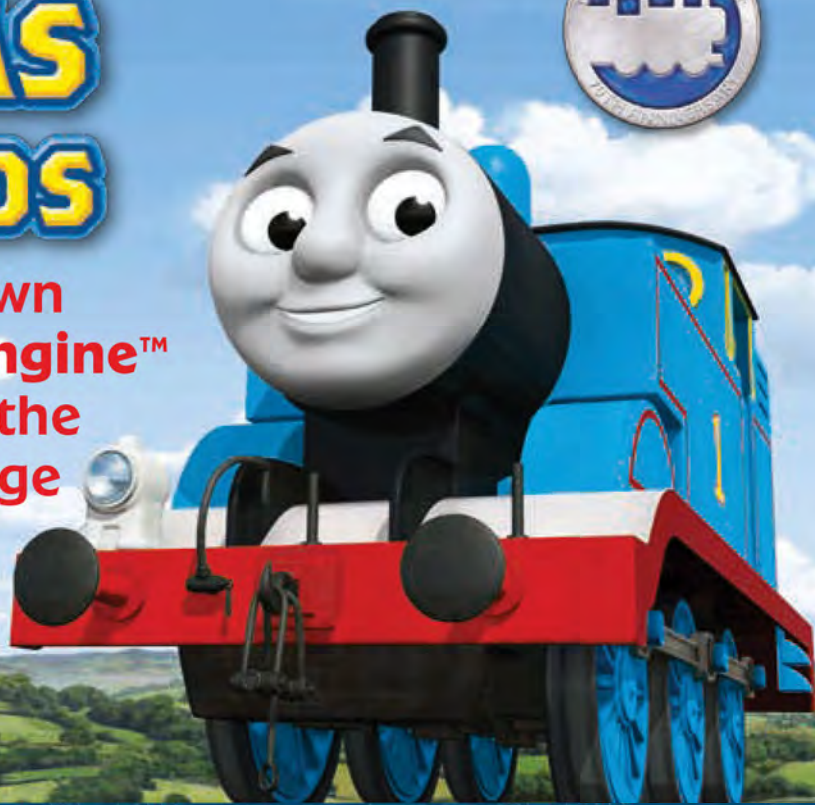
for ideas and lots of inspiration visit us at
www.craftycomputerpaper.co.uk





THOMAS & FRIENDS

Recreate your own
Thomas the Tank Engine™
adventures with the
new Hornby range



R9283 Thomas the Tank Engine



R9291 Gordon the Blue Engine



R9288 Percy the Saddle Tank Engine



R9290 James the Red Engine



R9289 Edward the Blue Engine



R9292 Henry the Green Engine

Locomotives, sets and Rolling Stock also available at www.hornby.com

Discover the LYR

Join online at lyrs.org.uk
2 year membership offer £48

2015 & 2016 Includes new book worth £18

New UK members only. Offer ends Dec 31st 2015

4 magazines
in full colour with topical
information and
modelling articles

Members receive
7 publications
each year

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



RADLEY MODELS
www.radleymodels.com

DREADNOUGHTS
TO GO WITH THE
METROPOLITAN
BO-BO Sarah
Siddons BY
HELJAN
BUY IN KIT OR
RTR
RING 01425479377



SOUTH EASTERN FINECAST

S.E.C.R. / S.R. / B.R. Wainwright 'H' Class



NEW SECR LOCOMOTIVE TRANSFERS and LINING 4mm SCALE

Range of VAC-formed Building Sheets - 4mm, 7mm & 10mm Scales.
English, Flemish and Plain Bond Brickwork available, sheet size 14" x 9"

1/24, 1/43 CAR KITS, 1/32 STEAM TRACTION ENGINE KITS, 4mm LOCOMOTIVE KITS

Full catalogue £3.50 UK, £5.00 Overseas

S.A.E price list only

GLENN HOUSE, HARTFIELD ROAD, FOREST ROW, EAST SUSSEX RH18 5DZ

Tel: 01342 824711 Fax: 01342 822270

Website: www.sefinecast.co.uk



SPRINGTIME IS COMING



Flower Borders 100mm long (mixed colours)
Per Pack 7mm x 2; 4mm x 3; 2mm x 5 £3.50



Rectangular Flower Planters 65x25x6mm
(random colours) £3.50ea



Flower Beds (random colours) £3.50ea
Per Pack 7mm x 11; 4mm x 21; 2mm x 33



Two Tyre Planters (random colours)
15mm Diameter x 5mm High £2.50



Square Flower Planters 35x35x6mm
(random colours) £3.50ea



Half barrels x2 (random colours)
18x11mm £2.75 11x7mm £2.50

W: www.themodeltreeshop.co.uk E: sales@themodeltreeshop.co.uk
The Model Tree Shop, 4 David Hume View, Chirnside, Scottish Borders, TD11 3SX
Tel: 01890 819 021

New lower postage from...
My Hermes £3.95 P&P
Royal Mail £5.95 P&P

AC Models

Tel: 02380 610100

www.acmodelseastleigh.co.uk



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. We stock Hornby, Bachmann, Airfix, Scalextric, Lilliput, Spectrum etc and much more.
Both shops are closed on Wednesdays and Sundays
Gift vouchers available

WE HAVE EXPANDED TO NO9 HIGH STREET
New Radio Control Department,
Spares Department and Games Workshop now at No.7
www.acmodelssparses.co.uk

7 High Street, Eastleigh, Hants, SO50 5LB
email: info@acmodelseastleigh.co.uk



Kernow Model Rail Centre

KMRC EXCLUSIVE ADAMS O2 MODELS - OO GAUGE



K2101 DJ Models 0-4-4T O2 Steam Locomotive No. 24 "Calbourne" BR Black with early emblem (as preserved) NOW IN STOCK...£124.99



K2102 DJ Models 0-4-4T O2 Steam Locomotive No. 16 "Ventnor" BR Black livery with late crest. IMMINENT DELIVERY...£124.99



K2103 DJ Models 0-4-4T O2 Steam Loco No. 30182 BR Black with early emblem with push-pull equipment. NOW IN STOCK...£124.99



K2104 DJ Models 0-4-4T O2 Steam Locomotive No. 30225 BR Black livery with late crest. NOW IN STOCK...£124.99



K2105 DJ Models 0-4-4T O2 Steam Locomotive No. 225 Southern Black livery & pull-push equipment. NOW IN STOCK...£124.99



K2106 DJ Models 0-4-4T O2 Steam Locomotive No. 30193 BR Black livery with early emblem. NOW IN STOCK...£124.99



K2107 DJ Models 0-4-4T O2 Steam Loco No. 207 Southern Maunsell Green with push-pull equipment. IMMINENT DELIVERY...£124.99



38-140X Bachmann 29 Tonne ex VDA Sliding Door Box Van number ADC200666 BR Railfreight, weathered. IN STOCK...£32.95

KMRC EXCLUSIVE THUMPER UNITS - OO GAUGE



31-236X Bachmann Class 205 2-H Thumper Unit 1121 BR Green, small yellow panel. IN STOCK...£210.00
31-236XDS DCC Digital Sound.£310.00



31-238Z Bachmann Class 205 2-H Thumper Unit 1122 BR Blue, full yellow ends. IN STOCK...£210.00
31-238XDS DCC Digital Sound.£310.00



31-239Z Bachmann Class 205 2-H Thumper Unit 205 001 de-branded Network SouthEast. IN STOCK.£210.00
31-239XDS DCC Digital Sound.£310.00

KMRC EXCLUSIVE BACHMANN SCENECRAFT - OO GAUGE



44-062Y Single Track Engine Shed. IN STOCK...£59.99



44-097Z GWR Water Tower. IN STOCK...£49.99



44-058Z Derelict Cornish Engine House. IN STOCK...£29.99



44-500Y Holmans Compressor Twin Pack. IN STOCK.£19.99

Visit www.kernowmodelrailcentre.com to see our full range of models and accessories or call our team on 01209 714099!

UK POSTAGE & PACKING = £4 PER ORDER. OVER £150 = POST FREE
SHOP HOURS: MON-SAT: 09.30-17.00 SUN: 10.00-16.00

98A Trelowarren Street, Camborne, Cornwall, United Kingdom, TR14 8AN

Easy lighting, sound & control for all!

NEW Fit real sound in your train - only £40!
Tiny motion controlled sound capsule & battery-no wiring



Steam
Diesel
DMU!

Works on both DC & DCC! Steam, Diesel, Goods....

Signal & Point Controllers DCC only



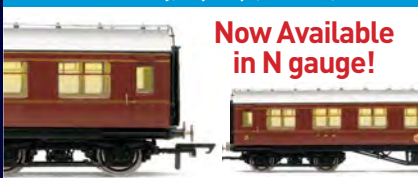
Any gauge From £17

Colour Light Signals
DC & DCC fitted versions



00 2, 3, 4 Aspect From £8

NEW Automatic Coach Lights for any Coach
Turns on automatically, no pickups, no flicker, From £20



NO wires - fit this in seconds! Multipacks available

Various LFX Effects £15 inc Random, Flashing, Traffic Lights, Crossing, Welding, BBQ



Clip-in Buffer Lights & Track Testers
DC & DCC N & OO only £5 each



Available direct from www.dcpexpress.com & model shops
Order by 3pm for same day First Class despatch



Train-Tech
Model Technology Made Easy

NEW BROCHURE FREE!

01953 457800 / www.Train-Tech.com

Quote BRM0116 for FREE UK POSTAGE on order over £20 until 31/1/16

DCP Express
Bryon Court
Bow Street
Great Ellingham
NR17 1JB, UK



Traintronics



These can be assembled to order



2 Aspect Red/Green
2 Aspect Yellow/Green
3 Aspect Red/Yellow/Green
3 Aspect Yellow/Green/Yellow
4 Aspect Red/Yellow/Green/Yellow
2 Aspect Red/Green with feather left
2 Aspect Red/Green with feather right
3 Aspect Red/Yellow/Green with feather left
3 Aspect Red/Yellow/Green with feather right
4 Aspect with feather left
4 Aspect with feather right
Modern style 4 track width gantry kit
Steam Era 4 track width gantry kit
2 Aspect Red/Green N Gauge
3 Aspect Red/Yellow/Green N Gauge
4 Aspect Red/Yellow/Green/Yellow N Gauge
4 Aspect Red/Yellow/Green/Yellow Head Only N Gauge
Modern style 4 track width N gauge gantry kit
Signal heads are extra*
DCC Motor driven slow action point motor
DCC Colour lights signal board up to 4 aspect with feather
DCC Block occupancy board

Analogue/DC	Digital/DCC
TT102 £14.50	TT122 £24.50
TT103 £14.50	TT123 £24.50
TT104 £16.50	TT124 £26.50
TT105 £16.50	TT125 £26.50
TT107 £18.50	TT127 £28.50
TT110 £24.99	TT130 £34.99
TT111 £24.99	TT131 £34.99
TT112 £26.99	TT132 £36.99
TT113 £26.99	TT133 £36.99
TT114 £28.99	TT134 £38.99
TT115 £28.99	TT135 £38.99
TT180 £32.50	
TT181 £20.00	
TT202 £14.50	TT222 £24.50
TT204 £16.50	TT224 £26.50
TT207 £18.50	TT227 £28.50
TT252 £16.99	TT262 £26.99
TT280 £27.50	
TT300 £22.50	
TT301 £12.25	
TT302 £10.95	



TT 300
slow motion
point motor,
DCC & DC
£22.50

- Built-in DCC decoder has the following features
- Fully compliant with NMRA Standards and Recommended Practices
- Automatically switches to non-DCC mode if supplied with DC
- Multiple addresses can be programmed – allows route setting with groups of TT300s, up to 48
- Main address range from 1 to 2544
- Auxiliary "control" input – allows remote operation, bypassing DCC commands
- Point addresses, and operating modes, are fully programmable
- Programmable either from dcc programmer or "in situ" whilst connected on layout
- All NMRA-recommended programming modes supported.

TRAINTRONICS

329-331 HOLDENHURST ROAD, BOURNEMOUTH, BH8 8BT UK
CALL: 01202 309872 OR EMAIL: info@traintronics.co.uk

Flangeway

Mermaids

BR Olive Mermaid
£18.95



BR Black Mermaid
(Weathered)
£19.95

ME7 Olive Green Mermaid DB989001

ME10 BR Black Mermaid (Weathered) DB989037



ME8 Olive Green Mermaid DB989023

ME11 BR Black Mermaid (Weathered) DB989014



ME9 Olive Green Mermaid DB989071

ME12 BR Black Mermaid (Weathered) DB989010



101 Comberton Hill, Kidderminster, DY10 1QH
01562 750076 - sales@footplate.co.uk
Order online @ www.footplate.co.uk

ELLIS CLARK TRAINS

Ellis Clark Trains
Unit 13 Baildon Mills
Northgate, Baildon
Shipley, West Yorkshire
BD17 6JX



WANTED

Top prices paid for your collections
of trains, diecast & tinplate

- ✓ 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 tinplate cars, lorries, buses, planes, soldiers
- ✓ Happy to travel nationwide and view or collect
- ✓ Large collections a speciality
- ✓ Friendly and professional service



T 01274 809317
M 07799 554491
E ellis@ellisclarktrains.com
W ellisclarktrains.com

NEW
e-commerce
website
coming soon

"EASY-BUILD"

1st Class Coaches (2nd class too)

Available now!

Still only
£135 inc
bogies and
wheels



Please go to our website at:
www.easybuildcoaches.co.uk
for a full list of our coach kits and interiors.

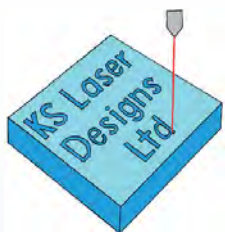
All Coaches in stock at £135 inc. Glazing, Bogies and Wheels, plus P&P
FULLY BLAKENED STEEL WHEELS £3.00 per axle inc. FREE bearings

For all enquiries contact:

Shawn Kay "Trenarth" Victoria Rd., Camelford, Cornwall. PL32 9XE

07834 063966 until 9pm

E-mail shawn_easybuild@btinternet.com



KS Laser Designs Ltd

All our kits are Laser Cut in England from MDF, PLY, acrylic and card detailing
www.kslaserdesigns.com



Fences and Gates— 00 and 0 gauge

Engine Sheds—

N, 00 and 0 gauge

Garages— 00 gauge

Cable Drums— 00 and 0 gauge

**Tunnel and
Bridge Mouths—**

N, 00 and 0 gauge

Bridge Kits— N and 00 gauge

Goods Sheds—

N, 00 and 0 gauge

Cab Holders—

See website for range

Paving— N, 00 and 0 gauge

DMU/Carriage

Stabling Platforms—

N, 00 and 0 gauge

Sheds— N, 00 and 0 gauge

Brick Walls— 00 and 0 gauge

Support Wall and Low Relief Arches— N, 00 and 0 gauge

Low Relief Buildings—

N, 00 and 0 gauge

All kits come unassembled and will need painting.

www.grimytimes.co.uk

WEATHERING SPECIALIST

GRIMY TIMES



Weathered locos for sale - SEE WEBSITE

ALL SCALES CATERED FOR RENUMBERING & RENAMING

EXCEPTIONAL
QUALITY &
PRICE

Contact Steve Tel: 01925 632209 Mobile: 07921830484

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



Sig-naTrak®

Model railway electronics by GFB Designs

Point and signal operation from DCC or DC!

Our products give you:-

- ★ Minimal wiring - just two wires for basic operation!
- ★ Straightforward installation - self-contained units!
- ★ Easy set up - no complex programming required!
- setting up controls built-in!
- no extra circuits or parts required!
- ★ Low power drain - no heavy transformers!



£16.80

The GEM (part no: DPD2001)

Complete point motor with built-in DCC decoder and capacitive discharge unit!
Compact size: only 43x40x28mm!

The IMP (part no: DSI1001)

£12.10

Drives a model control servo to operate semaphore signals, crossing barriers etc.
DCC built-in! Size: 69x33x20mm

Full terms & conditions on web site or on request.
Prices include VAT (20%). Postage & packing extra.

GFB Designs - WE put YOU in control!



Also available.....

RCS0009 - Servo - Recommended for use with the IMP

£3.90

RAS1202 - Accessory Switch - Plugs into the GEM or IMP.

Switches up to 4A current for live frogs or accessories.

£4.20



67 Boddens Hill Road, Stockport, SK4 2DG

Tel: 0161 883 2022; fax: 0161 883 2077

Email: gfbdesigns05@btinternet.com

Web: www.gfbdesigns.co.uk



GraphicAir

Graphic, Design, Art and Modelling Supplies.

neo
for iwata



NEO TRN2
Slide-Feed
Trigger Airbrush

TRN1 Gravity feed
also available

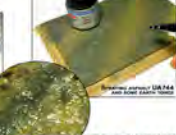
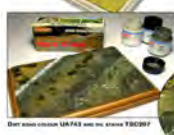


NEO CN
Gravity Feed Airbrush

NEO-BCN Suction Feed
also available

Gravity or Suction Feed
Great value airbrushes
Interchangeable colour cups
Small & Large Gravity cups
Trigger action pistol grip
0.35 or 0.5mm set-up

MS 09 SCENIC DETAILS COLOURS
OILY AND WATERMIXABLE
WAR ON THE ROAD



LIFECOLOR
ACRYLIC HOBBY COLORS

Great effects from LifeColor Scenic
Details Colours. Use straight from the
bottle to bring your scenery alive!



GraphicAir online

Unit 1 Levens Hall Park, Lund Lane, Killinghall, Harrogate, HG3 2BG T: +44 (0)1423 52836 F: +44 (0)1423 525556 E: info@graphicair.co.uk
W: www.graphicair.co.uk

Made to Measure...

we are now offering a bespoke
transfer & etched plate service
-Tailor Made to your Requirements.

please visit our website or call us
for further information.

**Fox Transfers -
The Professional's Choice**

purveyors of fine quality waterslide transfers,
etched plates and other finishing products



FOX TRANSFERS LTD
TEL +44 (0)116 319 4950

Unit 5, Priory Business Park, Wistow Road,
Kibworth, Leicestershire LE8 0RX, ENGLAND callers by appointment
email: sales@fox-transfers.co.uk web: www.fox-transfers.co.uk



There's lots more for **YOUR railway on our website!**

HARBURN HAMLET
OO / HO
Accessories 'Ready to Place'
along the waterfront

...also barrels, drums, crates, sacks, etc.

Q5410R Fishing boat aft wheelhouse red/white £29.95

Q5410B Fishing boat aft wheelhouse blue/white £29.95

Q5411R Fishing boat for'd wheelhouse red/white £29.95

Q5411B Fishing boat for'd wheelhouse blue/white £29.95

Q5419 Upturned boat £8.35

Q5400 Lobster boat with fisherman, red roof £29.95

Q5405 Fisherman/nets £5.95

Q5406 Fisherman/creels £5.95

Q5401 Lobster boat with fisherman, blue roof £29.95

Q5422 String of nets, creels, etc. £8.35

Q5425 Fish nets £5.95

Q5427 Accessories (3) £5.95 (colours vary)

Q5421 Shellfish creels £5.95

Q5430 Fishermen's workshops £22.95

Q5426 Accessories (3) £5.95 (colours vary)

Q5420 Wooden fish boxes £5.95

00 Buildings ideal for harbours, coal docks & canal locks etc.

FL195 Foreman's Office £15.35

FL186 Administration Office £20.50

FL185 Workmen's Bothy £13.95

For N gauge... **HARBURN HAMLET** barrels, crates, sacks, etc. ...and now Fishing Boats

Our popular fishing boat with for'd wheelhouse is now available in N gauge

HN651 Fishing boat blue/white £15.95

HN650 Fishing boat red/white £15.95

HN652 Fishing boat green/white £15.95

Harbourn Hobbies, 67 Elm Row, Edinburgh EH7 4AQ
0131 556 3233 www.harburns.co.uk

Colour Catalogues Inc. post

OO, 009 (1/76th).....£6

N Catalogue (1/148th).....£5

O Catalogue (1/43rd).....£4

Mail Order By Return P&P £4, over £40 POST FREE.

Unpainted metal kits - glue with epoxy glue (£5.75)

LANGLEY MODELS

166 Three Bridges Road, Crawley, Sussex, RH10 1LE

Tel: 01293 516329 Fax: 01293 403955 www.langleymodels.co.uk

OO SCALE
lattice pit Head Special
£175 Canal Boat Kits 72ft Working butty/ motor or 72 or 52ft holiday £31.70, 52ft Lock Gates set £22.30, lock wall sets £28.95, Special one canal boat, lock gates and wall £75 loads of other kits and ideas in our colour catalogue

Motor Boat & tarpaulin cover Resin Body£31.70

Canal scene-Butty boat Resin Body£31.70

Butty Boat & tarpaulin cover Resin Body£31.70

Waterside Transfers/motor/butty boat.....£7.70

35ft Holiday Canal Boat Resin Body£31.70

72ft Holiday Canal Boat Resin Body£35.80

52ft Holiday Canal Boat Resin body.....£31.70

Holiday Canal Boat transfers (waterside).....£7.70

26ft Curlew Canal Motor Cruiser£24.00

26ft Cabin Cruiser Waterline£19.25

26ft Water Taxi/Fishing Boat.....£17.00

Canal- wide lock gates & sundries.....£22.30

Canal-narrow lock gates & sundries£18.00

Lock Walls (brick) for Wide or Narrow gates£28.95

Canalboat horses/figs & canalside acc's£6.05

Canalside accessories and tools£4.40

10 Victorian/Edwardian Railway figures£6.95

10 Vic/Edw. Upper Class figures.....£6.95

10 Vic/Edw. Working Class figures.....£6.95

6 Vic/Edw domestic Staff(Women).....£5.00

10 Vic/Edw. Seated figures.....£6.95

3 different Victorian Pillar Boxes.....£3.30

10 Guards marching£6.95

Pub or Café scene.....£6.70

Guards Colour Party£4.15

10 Uniformed figures of the 1920's.....£6.95

10 Sitting figures of the 1920's.....£6.95

upgraded Ice Cream Vendor & incl transfers.....£6.50

Market scene & figures.....£12.00

Canal scene-Motor boat Resin Body.....£31.70

New Gibbet Crane (wall or floor mounted).....£4.30

Air Compressor and Electricity Generator.....£6.40

4 Buys (two floating 2 on wharf) 3 boat fenders.....£4.15

4 pallets & hydraulic pallet truck.....£4.15

Beehives and bee-keepers.....£4.30

6 Bulk Building Bags.....£3.70

Band Stand.....£9.20

Air Conditioning Cabinets (2 wall, 4 floor).....£3.40

6 Assorted Rock Climbers.....£4.60

4 Assorted Highland Cattle.....£4.25

6 Assorted Firemen in action poses.....£4.40

6 Trawlermen/Fisherman Figures.....£4.20

3 Assorted Donkeys (unharnessed).....£3.55

3 Beach Donkeys and Children.....£4.20

Beach Set (figures and equipment).....£5.40

8 Guards Marching.....£4.80

Guards Colour Party (flags) (5 figs).....£3.70

Guards Marching Band.....£5.15

Cub/Scout Camp Set.....£5.40

6 Assorted Cats.....£3.00

2 x Pub Table/bench (real wood).....£3.70

Church Stained Glass Windows / Spire.....£6.10

6 Seated Passengers / Figures Set 1.....£4.00

6 Seated Passengers / Figures Set 2.....£4.00

4 Buys (two floating 2 on wharf) 3 boat fenders.....£3.00

6 Station Platform Staff.....£4.00

Garage Accessories 4 Pillar Ramp.....£5.90

Church Notice Board & Crucifix.....£3.70

Forresters saw horse set and axe.....£4.30

6 Large (50 gallon) Oak Barrels.....£3.70

Water Butt and 5 Tubs.....£3.70

12 Wharfside Bollards.....£3.70

Lifebelts & Stands.....£3.70

12 Chimneys/journal/tapered/Hexagonal.....£3.20

Welding Figures & Equipment.....£4.30

2 x Relaxed Loco Crew.....£1.70

5 x Gardeners & Equipment.....£4.60

Flower pots and tubs & gardening equip.....£4.95

7 x Figures in working poses.....£4.60

9 x Ass Standing Station figures.....£4.80

Gantry Hoist.....£5.05

New Gibbet Crane (wall or floor mounted).....£4.30

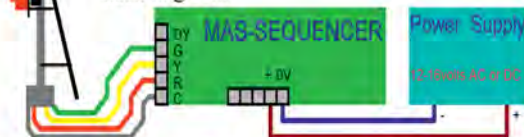
Air Compressor and Electricity Generator.....£6.40

4 pallets & hydraulic pallet truck.....£4.15

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 £16.50 SEMAPHORE SEQUENCER £16.90
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

email: cah@heathcote-electronics.co.uk phone/fax: 01538 756800
Heathcote Electronics, 1 Haydock Close, Cheadle Staffs, ST10 1UE

just-tracks

4mm Finescale Trackwork



Handmade Trackwork
Layout Design/Construction

Tel: 01793 881515

Email: info@just-tracks.co.uk

www.just-tracks.co.uk

Mercian Models



**BEYER GARRATT 0-4-4-0
'WILLIAM FRANCIS'**

**Kits available in
3.5mm, 4mm, 7mm, 10mm/ft &
1/32 Standard Gauge.
Kits also in 4mm & 7mm
Narrow Gauge**

**Mercian Models 1A Market Way,
Hagley, Stourbridge DY9 9LT**

**See our new website -
modelrailways.tv**

mericanmodels@hotmail.com

Trains4U.com
01733 895989 Trains4U@btconnect.com

Peterborough's Model Railway and Slot Car Specialists

HORNBY **BRITAIN** **HELJAN** **GRAHAM FARISH** **DAPOL** **PECO**
by BACHMANN

SPECTRE **TRAXX** **SCALEXTRIC**

Revell **AIRFIX** **TAMIYA** **ESU** **WILLS KITS** **TCS** **RATIO**

**27 St. David's Square, Fengate,
Peterborough PE1 5QA**
Open Tue-Sat 9.00-17.00, Sun 10.30-15.30

**What would
you like for
Christmas?**



Magnetic Mates make for merry model makers

www.yorkmodelmaking.co.uk
01904 400358

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

**Modellers
Mecca**

*The West Midlands Largest Model Railway Specialist.
New, Used & Part Exchange.*



Large selection of Scenic Materials



Professional Weathering Services



Friendly & Knowledgeable Staff

**Come and Browse Our
Extensive Shop, with
Knowledgeable and
Welcoming Staff at:**

**450 Albion Street
Wall Heath
Kingswinford
West Midlands
DY6 0JP**

Opening Times:
Mon: 09.30 - 14.00
Tue: 09.30 - 17.30
Wed: 09.30 - 17.30
Thur: 09.30 - 14.00
Fri: 09.30 - 17.30
Sat: 09.30 - 16.00

Tel: 01384 278 206
www.modellers-mecca.co.uk
Spend Over £50 Online and Get FREE POSTAGE

FOLLOW US ON

EXPERIENCE THE ULTIMATE IN CONTROLLER TECHNOLOGY

£69 PLUS £4.80 P&P **VESTA**

£115 PLUS £6.90 P&P **VANGUARD**

£69 PLUS £4.80 P&P **VECTOR**

£129 PLUS £6.90 P&P **VORTRAK**

Fully tested and guaranteed for 5 years

The Vortrak four track and Vector twin track for 00/HO/N/009 (1amp per track), the Vesta N twin track is dedicated N gauge, the Vanguard for O gauge is twin track (2.5amp per track). Each controller has state of the art design, offering very best performance capability. Slow and fast speeds are superb. Internal separate transformers for each track from 220/240 AC mains. The Vector and Vesta for N also have 2 x Hand Held controllers with 2.5mtr leads plus a 12V DC accessories output, the Vortrak and Vanguard each have 2 x 5mtr Hand Held's plus the Vortrak 2 x 12V DC accessories and the Vanguard 1 x 12V DC accessories. Each controller has a sloping front desk type dark grey enclosure. On board CDU for point motors.

**For full details or to order online visit
www.morleycontrollers.com**
(Secure order site)

or telephone Morley Controllers on 01704 533 116
(Overseas enquiries +44 1704 533 116)

Morley Controllers – Choose the best!

VISA **MasterCard** **Micro**

PO Box 501, Southport, PR9 9ZL
Email enquiries: **jet@morleycontrollers.com**

payments powered by **WorldPay**

Also at PO Box 1230, Wangara BC, Perth, Western
Australia 6947 Tel: (08)930 56358. <http://aus.morleycontrollers.com>

50 YEARS
BTVR
ESTABLISHED 1959

PETER'S SPARES

HORNBY

MODEL RAILWAYS LIMITED
MAIL ORDER & REPAIR SPECIALISTS

BAHAMAN
and GIBB LTD



- ♦ 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

PECO

GRAHAM FARISH

GAUGEMASTER.com

DAPOL

HELJAN

NEW & USED MODEL RAILWAYS

Specialists in Model Trains since 1994 -
servicing, repairs & DCC decoder fitting
2J Brighthouse Business Village, Riverside Park,
Middlesborough, Cleveland, TS2 1RT

Tel: 01642 909794 • Open Mon-Sat 10am-5pm

Web: www.petersspares.com

Email: sales@petersspares.com

Olivia's Trains of Sheffield

'OO' Gauge UK DCC

HORNBY

25a Mansfield Rd,

Sound Specialists.

HORNBY

Intake, S12 2AE

Extensive UK sound library utilising the Loksound decoders.

DCC/ Sound Fitting Whilst You Wait.



Heljan Class 58's Available Now.

Bachmann Class 66 111 Available Now!



Heljan EM2 Class 77 / EM1 Class 76 - Available Now.



Heljan "Falcon" 4 Versions



Heljan "Kestrel" Available Now.



Dapol Class 73's
Available Now.



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

Tel: 0114 3216 160 Tel: 0114 2647 449 Mob: 0755 7126 651

e-mail: oliviastrains@blueyonder.co.uk

ESU

HELJAN

ROXLEY MODELS

SPECIALIST ADVICE FOR ALL YOUR RAILWAY NEEDS



R3330 BR4-6-0 King George V6000 Class
Hornby King's now available

WALTHERS

METCALFE

HORNBY

KATO
PRECISION RAILROAD MODELS

PECO STREAMLINE

ATLAS
MODEL RAILROAD CO., INC.

HELJAN

MURPHY
MODELS

GRAHAM FARISH
by BACHMANN

BAHAMAN
and GIBB LTD

Telephone: 01372 452976

Website: www.roxleymodels.co.uk

Email: 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)

NOCH
... wie im Original



sawyermodels Earlestown

SAWYER MODELS



@SawyerModels



27 BRIDGE STREET, EARLESTOWN,
NEWTON-LE-WILLOWS, MERSEYSIDE, WA12 9BE

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.



01925 227835 • sawyermodels@hotmail.com
www.sawyermodels.co.uk

Resin and white metal kits



O gauge wagons and wagon loads,

Building kits and scenic accessories

Skytrex Model Railways

Unit 1 Charnwood Business Park
North Road
Loughborough Leicestershire LE11 1LE
tel: 01509 213789

www.ogauge.co.uk
www.skytrexmodelrailways.com

Free subscription to newsletters!
Details on websites

Modular building systems



O0 gauge brick-built warehouse assembled from standard components. 4/043 to 4/048. See website for details

TOWNSTREET OO

Send £3.80 post free for our 60 page OO catalogue detailing all our other kits.

TOWNSTREET,
6 KIRKHILL, BLENCARN, PENRITH,
CUMBRIA, CA10 1TZ
www.townstreetuk.co.uk
MON TO FRI 2-8PM 01768 88456
MAIL ORDER ONLY

From the Stonecast range that brings realism to your layout

NEW - 6 Road Engine Shed £99.50
Stand Alone Engine Shed Office **£39.00**
As Above But Without 1 Wall For Side Office **£25.00**

The Toy Box

Toys, games, puzzles, model kits,
and Hornby accessories

TWO FLOORS PACKED WITH TOYS

32 New Market, Beccles, Suffolk NR34 9HE

Also at Halesworth Toy Shop,

The Thoroughfare, Halesworth, IP19 8AH

01502 712785 • halesworthtoys@aol.com

www.halesworthtoyshop.com

SouthWest digital Distributor for the UK **ESU** Trade welcome

As real as it gets!

Photos: Chris Perkins

New YouTube channel, see website for details
ALL products come with a 2 year warranty and FREE return postage

Close your eyes and
you're there!

UDRIVE

responsive sound algorithm

The highest quality sounds in all
gauges. A wide range of responsive
steam and diesel sounds developed
for the all new **UDRIVE**

Crystal clear digital sound



Test drive the latest loco sounds with
stunning clarity at SWD – call now for
more info

T: 01934 515382 **info@swd4esu.co.uk**
www.southwestdigital.co.uk

**We are now
an outlet of
Golden
Valley
Hobbies**

OPENING HOURS:
Tues to Sat 9.30am - 4pm
Closed Sun & Mon

**Wellingborough
Trains & Models**

Stockists of: Bachmann, Hornby, Peco, Gaugemaster,
Humbrol, Airfix, Fisher-Price Trackmaster, Woodland
Scenics, Expo and many more

Childrens craft corner

Wellingborough Trains and Models, 17 Market Street,
Wellingborough, Northamptonshire NN8 1AN

Tel: 01933 274069

Email: trainsandmodels@gmail.com

Web: www.trainsandmodel.com

The Locoshed

48 Bury Old Road, Whitefield,
Manchester, M45 6TL



MISC PRE-OWNED MODELS

Hornby R2153B L&Y 0-4-0 PUG 51235.....£54
Hornby R2717 7MT Britannia Class 700238 Robin Hood.....£130
Hornby R2300 The Bournemouth Belle Train pack with New Zealand Lines.....£199
Hornby R2704 Class 253 High Speed Train Power cars in Virgin Livery.....£175
Hornby R2991 Class A4 Sparrow Hawk in Express passenger Blue.....£135
Hornby R1108 Premier DCC Train set with Merchant Navy Class 4 Pullmans.....£299
Hornby R3273 / 3274 Crosti Boilers 9F still in stock.....£117 each
Hornby R2516 Class 73101 The Royal Alex in Pullman livery.....£89
Bachmann 31-715 NRM 4P LMS Compound in Crimson no 1000.....£165
Bachmann Class 55 Deltics 55001 / 012 / 015 / 020 all in Rail Blue

N GAUGE AND NARROW GAUGE

Farish 371-077 Class 25 D7646 in two tone green.....£59
Farish 8067 Class 31 421 Wigan Pier in Regional Railways.....£57
Farish 8807 Class 91 in Inter-City executive livery.....£49
Farish 371-022 Class 08 in BR green D3729.....£57
Farish 371-378 Class 66 Freightliner Shanks livery.....£79
Farish 371-876 Class 108 2 car DMU.....£89
Farish 371-033 Class 94 0-6-0 saddle tank 8033 in LNER black.....£55
Farish 1865 Class A4 60025 Falcon in BR green.....£69
Bachmann 0N30 we have 10 locos in stock at present from a Porter 0-4-2 to a 3 truck shay with sound
Roco TT gauge we have in 5 locos with DCC sound on board

WE NOW HAVE A LARGER SHOWROOM AREA WITH MORE STOCK ON DISPLAY PLUS A LAYOUT IN N AND OO GAUGE, SO YOU CAN TRY BEFORE YOU BUY.

"ON SITE CUSTOMER TOILETS AND REFRESHMENTS FOR OUR WEARY TRAVELLERS"

"Merry Christmas and a Happy New Year to all our customers, Thank you for your support"

Its layout construction time again, so if you need any help or advice with any aspect of your project we can help, track laying, electrical, scenics and we understand DCC operation. We stock Gaugemaster, Javis, Woodland scenics, cork and grass rolls, all the glues and Humbrol paints.

We also stock all the Dapol plastic kits as well as the full Metcalfe range, we stock Hornby and Bachmann scenecraft buildings, oxford diecast, Pocketbond and Base toys. We have good stock of new and pre-owned track OO and N gauge plus buildings and accessories. we also stock Airfix and Revell, Emhar military kits such as WW1 tanks, EFE and Corgi Omnibus models, Corgi trams, Mamod Live steam and Scalextric.

Cash Waiting For Quality 2mm N gauge RTR or kitsbuilt / Code 3 Locos and Rolling stock, British, European or continental

All the above models are in near mint boxed condition unless otherwise stated.

All major debit and credit cards accepted as well as Paypal.

Mail order Cheques payable to the Locoshed Please All parcels sent out via Royal Mail 1st Class signed for at £5 per Loco, discounts for multiple purchases.

WE ARE INTERESTED IN BUYING QUALITY MODELS SINGLE ITEMS OR COLLECTION ANY GAUGE.

WE CAN ALSO UPLIFT AND REMOVE LAYOUTS IF REQUIRED. REPAIRS AND DCC FITTING / ADVICE SERVICE AVAILABLE.

WE ARE ALSO HAPPY TO SWAP OR TAKE PART EXCHANGE ON ANY ITEM

We are open Tuesday to Saturday 10am - 5.45 pm Thursdays until 7pm, Closed Sundays as normally at Toyfairs or model rail shows, we are closed Mondays

Tel: 0161 772 0103 Mobile: 075904 13177 email: thelocoshed4@aol.com
Or visit our new website: www.thelocoshedmcr.co.uk



OptiVISOR

The precision binocular magnifier
that leaves both hands free

OptiSIGHT™

The OptiSIGHT magnifying visor provides hands-free magnification for more accurate and efficient viewing. The visor tilts up for normal viewing, or down for magnification. OptiSIGHT™ brings work closer into focus, reducing eye strain and fatigue. Available in blue or green, constructed from plastic with optical grade acrylic prismatic lenses.



Supplied with 3 lens plates (1.75x, 2x & 2.5x).

NEW
£29.95

OptiVISOR

A professional quality headband magnifier which has been used by thousands of modellers for the past 30 years. The prismatic glass lenses are ground and polished to precision optical standards, bevel edged and mounted in an interchangeable plastic frame.



Supplied with 1 lens plate of your choice.

from
£49.95

Order the OptiVISOR with the VisorLIGHT for £76.90 and receive a FREE OptiLOUPE. ALL ORDERS POST FREE

OptiVISOR (with one lens plate)	£49.95
OptiLOUPE	£12.95
VisorLIGHT	£26.95
Spare Plate	£29.95
OptiSIGHT (with three lens plates)	£29.95

Viking Optical Centres

With shops in Glasgow, Edinburgh & Halesworth

Mail Order: 01986 875315 www.vikingopticalcentres.co.uk

Blyth Road, Halesworth, Suffolk, IP19 8EN Tel: 01986 875315



DMU
Steam
Diesel

REAL SOUND £40!

Fit sound in your train!

Works on Traditional DC and Digital DCC!

SFX



3 Easy Steps to fitting a Sound Capsule - NO wiring!



1. Fit the battery



2. Slide on sound tube



3. Place in loco / tender

- Self contained capsule has built-in speaker & battery
- Senses motion to turn on & control sounds - no wiring
- Tiny - smaller than a 50p : 25mm x 20mm x 12mm
- Real sounds recorded on real trains and railways
- Steam • Diesel • Electric • Shunting • more coming...
- See and hear SFX on www.train-tech.com
- Can be fitted into modified N gauge stock - see website

Bring your Train alive with an SFX - just £40

Available direct from www.dcpexpress.com & model shops



Train-Tech
Model Technology Made Easy

NEW
BROCHURE
FREE!

01953 457800 / www.Train-Tech.com

Quote BRM0116 for FREE UK POSTAGE on order over £20 until 31/1/16

DCP Express
Bryon Court
Bow Street
Great Ellingham
NR17 1JB, UK



YouChoos DCC Sound

LET'S MAKE SOME NOISE!

What will you be
unwrapping this
Christmas?



YLR-302506

YLR-603010

New
high-performance
Low profile
speakers

New micro
sound decoder
ZIMO MX649

New YouChoos
O Gauge
Bi-Colour Lamps

0844 7725052

www.YouChoos.co.uk

john@youchoos.co.uk

AGR Model Railway Store

Family Run Business
Buying Pre-owned Collections & Un-wanted Models
 NOW STOCKING A WIDE SELECTION OF PRE-OWNED MODEL & NEW RAILWAY COLLECTIONS ONLINE & INSTORE
 Send us a list or bring items in store & we will give you a **FREE** valuation!
 Visit our eBay shop & like us on Facebook
 Find us on 
 AGR Model Railway Store
 9 High Street Mews • 28 High Street
 Leighton Buzzard, Beds LU7 1EA
 Mon-Fri 9am-5pm • Sat 9am-4pm
 01525 854788
www.agrmodelrailwaystore.co.uk
sales@agrmodelrailwaystore.co.uk



ADM TURNTABLES – INDEXING DRIVE SYSTEMS

W www.admturntables.co.uk
T 01933 411127
E alastair@admturntables.co.uk
 'One of the best quality turntable drive units currently on the market'
BRM Magazine
 ADM Indexing Drive Systems for 'N' and 'OO' gauge layouts**:
 • Based on a commercially available turntable uniquely having the bridge live through 360 degrees, preventing breaks in sound equipped locos
 • Is a quiet running system, driven by a toothed belt; powered by a stepper motor with up to 100 programmable indexing positions which we think makes it the ultimate 'indexing' turntable solution
 ** drive systems also available for other sized layouts

 For more information please take a look at our website
www.admturntables.co.uk

GEE DEE MODELS - NOTTINGHAM
HORNBY LOCO OFFERS

R3222 Great Western 42xx 2-8-0 4261 £110.95	R3263 Cl.50 Blue L/Logo 50-024..... £133.95
R3222 Great Western 42xx 2-8-0 4261 £110.95	R3264 Cl.50 Blue L/Logo 50-046..... £133.95
R3229 B.R.(W) Star Class 'British Monarch' £127.95	R3202 B.R. A3 Flying Scotsman Withd Green. £143.95
R3329 S15 4-6-0 B.R. L/C 30830 £124.95	R3131 LNER A4 'Great Snipe' Garter Blue .. £135.95
R3327 S15 Southern Olive Green 824 £124.95	R3252 First Great Western Cl.153..... £81.95
R3005 B.R.(W) 28xx 2845 weathered..... £130.95	R3242 B.R. K1 Black E/Crest 62015 £120.95
R2916 GWR 28xx 2-8-0 2812 Shirtbutton... £111.95	R3240A B.R. K1 Black L/Crest 62027..... £120.95
R3225 GWR 72xx 2-8-2T 7233 £118.95	R3305 B.R. K1 Black E/Crest 62059 withd.... £120.95
R3224 B.R. 42xx 2-8-0T L/Crest 5239..... £107.95	R3235 D16 4-4-0 British Railways £99.95
R3328 S15 4-6-0 B.R.E/C 30843 £124.95	R3233 D16 4-4-0 L.N.E.R Black 8825 £99.95
R3194 B.R. Schools 'Epsom' Black E/Crest... £125.96	R3234 D16 4-4-0 B.R. 62530 £99.95
R3208 B.R. Schools 'Brighton' Black E/Crest... £129.95	R3305 D16 B.R. Weathered 62581 £99.95
R2829X Southern T9 314 Black DCC Fitted... £105.95	

Many other locos in stock both current & discontinued. Give us a ring for your wanted items
 All above prices include VAT. Post £6.00 UK mainland only. Offshore and Overseas at cost.

GEE DEE MODELS - NOTTINGHAM HORNBY COLLECTOR CENTRE
 21 HEATHCOAT STREET, NOTTINGHAM. NG1 3AF
 www.geedee-modelshop.com Tel. 0115 9412211 

www.expressmodels.co.uk
LIGHTING SPECIALISTS
 You may know us as manufacturers of head and tail lights and coach lighting but did you know we also stock Kadec Couplers, Seuthe Smoke Generators and Gaugemaster Decoders. Also our own products, No Solder DCC Power Bus Kits, 4mm Scale Telegraph Poles and our own range of LEDs including White, Red, Yellow and Bi-colour in various sizes and formats.
 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
 

We support www.railway.org

 Tel. 01795 531666
www.hobb-e-mail.com
 WEST S Faversham, Kent, ME13 7JB SMS Text no. 07889 818727



Exclusive Peco N gauge Shepherd Neame van no.3 in stock now £8 + P&P

see our website or visit us to view current stocks

GAS CUPBOARD MODELS

 01225 777888
MODEL RAILWAYS
 We are here to help

 DCC
 Retailer of the year
 Gas Cupboard Models
 6 St Georges Works, Silver Street,
 TROWBRIDGE. BA14 8AA

WINTER WARMERS

 This winter, treat yourself to one of our growing range of affordable 3d printed plastic loco kits
 Body only from £40.00
 Full kits from £48.00
 Available via our website cdcdesign.webplus.net
STREET LEVEL MODELS

www.GoldenValleyHobbies.com
 New Prodes Advanced Track Tools


Advanced Ballast Spreader
 Switch flow on and off, pull along track with a loco, applies ballast between sleepers, forms ballast shoulder, alter depth. OO, N and TT scales. £29.99

Ballast Gluer
 £22.99
 OO, N and TT scale versions
 GVH, Unit 1, Pontrilas Business Park, Pontrilas, Hereford, HR2 0AZ
 Original Ballast Spreader still available, see the full range on our website
 See our website for existing stockists and our full range. Trade Enquiries welcome. 01981 241 237

RAILWAY FLAIR - RAIL MODELLING

OPEN 6 DAYS A WEEK
BUY & SELL NEW & SECOND HAND
SALE SAT 2ND JAN. 10AM



GRAHAM FARISH HORNBY BACHMANN dapol PECO

WWW.FLAIR-RAIL.CO.UK
 UNIT 7, SPRINGFIELD, NURSERY ESTATE, BURNHAM ON CROUCH, ESSEX CM0 8TA

FLAIR - RAIL 01621 786198 info@flair-rail.co.uk

COME SEE US...

"My kind of Model shop" James May **www.buffermodelrailways.com**

HAVE YOU SEEN OUR BOGIES?
 Come in & join in the fun every Wednesday from 2pm



Second Hand Bought & Sold
 Over 8000 Lines in Stock....
 Peco • Hornby • Bachmann
 Gaugemaster • Tamiya
 and many more...

**Colston Cross near Axminster,
 Devon EX13 7NF**
 (On A358 between Chard
 & Axminster)
 media@buffermodelrailways.com
 Most Major Cards Accepted

f /buffermodelrailways

OPENING TIMES:
 TUES-FRI 10AM-4PM,
 SAT 10AM-1PM

**PLEASE CALL IN, HAVE A LOOK,
 SOME FUN AND A CUPPA**

**MAD ABOUT TRAINS OF
 GAINSBOROUGH (K&M MODELS)**



For all your Model Railway needs from design to finished layout, scratch built buildings, trees dioramas etc. We carry a vast selection of scenic materials. We carry a comprehensive range of all aspects of Railway Modeling from track pins to finished layouts. DCC Specialist, repairs, weathering etc undertaken in our own workshop. Hornby, Bachmann, Peco Gaugemaster, Dapol and Knightwing stockists. Large range of scenic materials. We are always looking for second hand collections. Just give us a call or come and visit our shop.

Tel: 01427 811040
Mobile 07858612716
106 Trinity Street, Gainsborough DN21 1HS
e-mail: sales@madabouttrains.co.uk
www.madabouttrains.co.uk

Mid Hants Railway WATERCRESS LINE

PLACEMAT £6.99 + P&P

THE MID HANTS RAILWAY BOOK £14.95 + P&P



mail order available upon request (postage rates upon application)

Alresford Station Shop Open DAILY all year
 01962 733810
 www.watercressline.co.uk

All profits from the shop go to supporting the railway

150
 ALRESFORD STATION
 WATERCRESS LINE

MODEL RAILWAY SOLUTIONS

Tel: 01202 798068
Email: 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

MODEL MANIA of BRISTOL

13 CLOUDS HILL ROAD, ST. GEORGE, BRISTOL BS5 7LD
 Junction of A420/A431 (St. George Fountain) Buses 42 or 43 from City Centre



- BACHMANN • DAPOL • GAUGEMASTER
- GRAHAM FARISH • HORNBY • KESTREL
- METCALFE • PECO • RATIO
- SUPERQUICK • WILLS • WOODLAND
- SCENICS • RAILMATCH PAINTS
- MODELMASTERS TRANSFERS
- CAMBRIAN WAGON KITS EFE CORGI CLASSIX AND OXFORD DIECAST 1:76TH

MAIL ORDER SERVICE - SORRY NO LISTS
 Open: Tuesday to Friday 9.30 to 17.00
 Saturday 9.00 to 17.00
 Tel: 0117 9559819 - Email: modelmaniaemail@aol.com
 Ebay Shop: modelmanibristol

BRM **100+ forums**
1,000s of modellers
www.RMweb.co.uk



Platform Models

PLATFORM MODELS

Model Railway items both new and second-hand
 Also baseboards supplied by Model Railway Solutions

All prices 10% below RRP

Free parking
 Opening Hours: Mon-Sat 10-5

10-12 Alder Hills, Poole, Dorset BH12 4AL
Tel: 01202 798068
 or shop online at:

www.platformmodelsltd.co.uk



www.KEEN-SYSTEMS.com

16 ELM DRIVE, MARKET DRAYTON, SHROPSHIRE, TF9 3HE.
Phone 01630 657881 **shop@keen-systems.com**
UK Postage £2.00 any quantity

Close Coupling System

1 pair **£3.50.** 4 pairs **£12.50**





For use in none motorised tenders. Controlled by an accessory lead on the DCC decoder.

DCC Uncoupler £22.50

TUTBURY MODELS

COLLECTABLES **01283 814777** MODELS

UNIT 9, TUTBURY MILL MEWS, TUTBURY, Nr. BURTON-UPON-TRENT DE13 9LS

BASS/WORTHINGTON VENT VAN.....£12.50 (plus £2.80 p&p for either one or two)
6-WHEEL MILK TANK NESTLÉ 'OO' GAUGE.....£17.50 (plus £2.80 p&p for either one or two)
BASS/WORTHINGTON GRAIN HOPPER.....£13.75 (plus £2.80 p&p for either one or two)



Model Centre

Opening Times Mon-Sat 9:30-5:30, Sun 11:00-2:00
130 Station Road, Addlestone, Surrey KT15 2BE
Tel: 01932 845440 www.addlestone-models.co.uk

HASLINGTON MODELS

134 Crewe Road, Haslington, Crewe CW1 5RQ
Telephone/Fax 01270 589079
email: haslingtonmodels@live.co.uk

Appointed Stockists of
Bachmann, Farish, Hornby, Peco, Gaugemaster, Dapol, Vi-Trains, Heljan, Humbrol, etc etc.
• **FREE Parking**

OPEN THURS, FRI & SAT ONLY 10.00-16.00



www.tridenttrains.co.uk

HORNBY-BACHMANN-HELJAN-FARISH DAPOL-PECO-LENZ-
TCS-GAUGEMASTER-METCALFE-RATIO+MUCH MORE
01270 842400

No10, The Craft Arcade
Dagfields Craft Centre,
Crewe Road, Walgherton, Nantwich,
Cheshire. CW5 7LG



STOKE-ON-TRENT

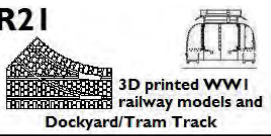
54 Hamil Road, Burslem, Stoke-on-Trent ST6 1AU
Telephone 01782 818433

• Hornby • Bachmann • Peco • Lenz
• Dapol • Gaugemaster • Plus much more!

OPEN: Tue - Fri 9.30-4, Sat 10-2
T: 01782 818433 / 07973 478294
E: info@thehobbygoblin.co.uk
www.thehobbygoblin.co.uk

New website and new larger shop with easy, free parking!

R21



3D printed WW1 railway models and Dockyard/Tram Track

www.rue-d-etropal.com
recreation21@hotmail.com

Visiting the Isle of Wight?

UPSTAIRS DOWNSTAIRS
Pier Street - Sandown
PO36 8JR

Two floors of locomotives, wagons, coaches, buildings, scenery, electrics, figures, cars and more!

ALL BRANDS N-009-HO 00-0n30-G

01 983 406 61 6 - www.trainshop.co.uk

THE MODEL SHOP

Now taking orders for New models
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 Tues to Sat, 9.30-5pm

Jacksons Models and Railways

33 New Street, Wigton, Cumbria CA7 9AL
Tel: 01697 342557



• TRUCKS • CARS • PLANT •
• KITS • PLANES • MILITARY •
• RAILWAY • BUSES •

Stocking Model Railways by Hornby, Bachmann, Farish, Peco, Dapol, Metcalfe, Corgi, Oxford etc.
Railway Scenery by Gaugemaster, Woodland Scenics, Javis, Expo etc.
Shop opening hours: Monday - Friday 9am - 5pm;
Saturday 10am - 3pm; Closed Sunday and Wednesday;
Late night opening Thursday until 7pm

www.jacksonsmodels.co.uk

Waddell's Models

0141 552 8044

56 Bell Street, Merchant City,
Glasgow, Lanarkshire G1 1LQ

Open for Modelling Advice, Service & Repairs, DCC Decoder Fitting and Limited Edition Models selling all scales and gauges including 2mm, 4mm, N, OO

We stock: Bachmann * Dapol * Farish * Heljan * Hornby * Peco * and many more...



Subscribe today!
Call our hotline on
01778 392002

SALE SALE SALE SALE SALE SALE SALE SALE

HORNBY:		DAPOL N:		BACHMANN:	
R2844	30934 BR Early.....£91.00	ND-114A CL153 EMidl.....£80.00	31-167DC 50795 Black (W)£84.00		
R3098	60163 BR Green.....£94.00	ND-114C 153333 Central.....£80.00	31-932DC 40957 BR Early.....£111.50		
	HELJAN:	ND-135C 6910 BR.....£79.00	31-933 41157 BR Early.....£102.50		
2301	D5903 Grn full yell.....£90.00	ND-205C 27008 BR Blue.....£84.25	31-995 10000 BR Green.....£89.00		
2302	D5908 Grn Full Yell.....£90.00	ND-209B 55000 Regional.....£78.00	32-285 CL101 BR Grn SYP.....£120.00		
2310	D5907 Green Gloss.....£93.50	FARISH:	32-286 CL101 Grn Whisk.....£120.00		
2311	D5906 BR Green.....£93.50	371-381 66405 Malcolm Log.....£60.00	31-325DC Class 105 BR Blue.....£95.80		
2322	D5905 Grn No Frost.....£101.00	371-393 66301 Fastline.....£66.00	32-913 CL108 Grn Whisk.....£84.00		
2323	D5909 Green (W).....£109.00	372-726 73158 BR Late.....£94.00	All subject to availability		
2724	D5353 BR Green.....£78.00	372-801 60156 BR Late.....£96.00	UK P & P from £4.10 per order		

We also stock OO & N gauge from Bachmann, Base Toys, Britbus, Classix, Dapol, Dornaplas, EFE, Farish, Gaugemaster, Heljan, Hornby, Humbrol, Kestrel, Metcalfe, Modelscene, Oxford Diecast, P. Dundas (N), Peco, Plastruct, Ratio, Superquik, Wills, Woodland Scenic & Deluxe Materials.

ONLINE SHOP www.churchstreetmodels.co.uk
Mon-Sat 9.30-17.30 • Sun 11.00-15.00 (Dec 6-20 Only) • Closed Tues (not Dec) & Bank Hols
Church Street Models, 10A, Church Street, Basingstoke, Hants, RG21 7QE
01256 358060 • Mail Order Welcome



Stoneybridge Structures

Manufacturers of in house designed and Precision laser cut acrylic plastic kits for railway modellers

Contact us if you require something different for your layout

Secure online shopping via 

Contact us

Website
www.stoneybridge.co.uk

Email
gavin@stoneybridge.co.uk

Telephone
07970 883663

ZTC Controllers from £210.
ECOS the best UK price!
Taunton Controls Ltd.

DC and DCC
ZTC.....E S U....GAUGEMASTER

HELPLINE 01823327155 9am to 9pm closed Wednesdays

MORRIS MODEL'S
NORTH LANCING

80 Manor Road, N Lancing,
West Sussex, BN15 0HD
Tel 01903 754850
www.morris-models.co.uk
info@morrismodels.co.uk

We are between Brighton & Worthing, just off A27 west of Shoreham Airport

BRITISH RAILWAYS
HORNBY, PECO, DAPOL, HELIX
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
FLEISCHMANN, Roco, BRAWA, TRIX, HORNBY, FAIRPLAY, PREISER, BUSCH, NOCH, MINITRAINS

MonkBar Model Shop

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, 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

CORK SHEET FOR TRACKLAYING

36" x 24" x 1/16" thick.....	each £5.47	5 or more each £4.41
36" x 24" x 1/8" thick.....	each £7.23	5 or more each £6.33
36" x 24" x 3/16" thick.....	each £11.28	5 or more each £10.04

CORK ROLLS FOR TRACKLAYING

1 1/4" wide x 1/16" thick x 98" long.....	each £13.10
7/8" wide x 1/16" thick x 98" long.....	each £10.32
7/8" wide x 1/8" thick x 98" long.....	each £11.43
2 9/16" wide x 1/16" thick x 98" long.....	each £21.49
1 1/4" wide x 1/8" thick x 98" long.....	each £22.61
1 1/2" wide x 1/16" thick x 98" long.....	each £16.18
1 1/2" wide x 1/8" thick x 98" long.....	each £25.92

CHAMFERED CORK FOR TRACKLAYING

1" wide x 1/8" thick x 19 1/2" long.....	per 10 £8.59
1 3/4" wide x 3/16" thick x 19 1/2" long.....	per 10 £11.54

NATURAL GRANULATED CORK FOR BALLAST AND SCENIC DISPLAY

Natural 0.5/1.0mm, 80g bag.....	each £5.07
Natural 2.0/3.0mm, 80g bag.....	each £5.07
Natural 4.0/5.0mm, 80g bag.....	each £5.07

COLOURED CORK GRANULES FOR BALLAST AND SCENIC DISPLAY

Grey 0.5/1.0mm 80g bag.....	Down to each £5.07
Grey 2.0/3.0mm 80g bag.....	Down to each £5.07
Light Green 0.5/1.0mm 80g bag.....	Down to each £5.07
Mid Green 0.5/1.0mm 80g bag.....	Down to each £5.07

CORK BARK FOR SCENIC DISPLAY

Per large bag.....	each £7.60
--------------------	------------

All items including postage • Trade enquiries welcome

QUALITY CORK SUPPLIES
Unit F3, Anchorbrook Industrial Estate, Lockside, Aldridge WS9 8BZ
Tel: 01922 455736 Fax: 01922 745244
or buy online at www.charlescantrill.com

MasterCard, Visa, Maestro, American Express

NEW! Timber Yard / Building Site Accessories

OO / 4MM

* Includes Roof Trusses, Sawhorses, Planks, Timber Stack
* Very easy to assemble. Can be used as lorry loads too!

LX049-OO Laser Cut Plywood Kit - Only £7.50!

scalemodel scenery
Tel: 01530 456952
.co.uk

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 Scenics, 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: 023 80 772 681
www.ronlines.com • r.lines@hotmail.co.uk
342 Shirley Road, Southampton, SO15 3HJ

Visit → scalescenes.com
Download → Print → Build

The home of quality downloadable card model railway kits since 2005

NEW Low Relief Factory
Available in five different brick colours
ONLY £3.99

Wide range of doors
Card kits that pass closer inspection

Optional loading dock and awning

Buy once unlimited prints

View our large range of N and OO kits and texture sheets

scalescenes.com

TEN COMMANDMENTS

Accessories for the discerning OO, O and N gauge modeller.

NEW MODERN INDUSTRIAL BUILDINGS - OO & N GAUGES

OO GAUGE - WALLING AND FENCING
L19 STONE RETAINING WALL (illustrated)..... 12.95
80mm high x 450mm long approx. Stonecast. Painting required
L62 DRY STONE WALLING..... 6.00
3 x 150mm sections. Stonecast plaster. Painting required.
L92 CHAINLINK SECURITY FENCING..... 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.

NEW MODERN INDUSTRIAL BUILDINGS - OO & N GAUGES

ONE PIECE STONECAST MODERN INDUSTRIAL BUILDINGS.
NO ASSEMBLY REQUIRED. PAINTING REQUIRED. LARGE RANGE OF SIGNAGE AND ACCESSORIES SUCH AS CCTV CAMERAS, WIRE SECURITY FENCING, PALLETS, FORK LIFTS etc ALSO AVAILABLE. SEE OUR WEBSITE FOR FURTHER INFORMATION ON ACCESSORIES

OO L229 INDUSTRIAL / FARM BUILDING..... 10.00
L230 GARAGE / WORKSHOP BUILDING (illustrated)..... 10.00
L231 SMALL MODERN BRICK INDUSTRIAL UNIT..... 12.00
L232 MODERN IND UNIT WITH DOUBLE DOORS..... 12.00
N N174 SMALL MODERN BRICK INDUSTRIAL UNIT..... 7.00
N175 MODERN IND UNIT WITH DOUBLE DOORS..... 7.00
N176 LARGE MOD IND UNIT W/OFFICE..... 8.00

READY BUILT & PAINTED BRASS KITS OO GAUGE

NOW AVAILABLE HAND BUILT / PAINTED VERSIONS OF OUR ETCHED BRASS ACCESSORIES. SUPERBLY FINE DETAIL. KIT VERSIONS AVAILABLE FROM STOCK. READY BUILT ITEMS WILL BE EXTREMELY LIMITED - CALL US ON 01383-410032 TO PLACE YOUR ORDER

L140 BRIT TROLLEYS - KIT PRICE £7.50 / three
L140 BRIT'S BUILT AND PAINTED - £20 / pack of four
L176 MODERN STATION SEATS - KIT £2.50 / two
L176 SEATS BUILT AND PAINTED - £20 / pack of four
L181 LOCO INSPECTION TROLLEY - KIT £6.50 each
L181 INSPECTION TROLLEY BUILT & PAINTED - £45 (illustrated)

TEN COMMANDMENTS 20 STRUAN DRIVE, INVERKEITHING, FIFE, KY11 1AR
Telephone: 01383 410 032 Email: tencommandments@btinternet.com
Send LARGE SAE for product lists. Please state scale(s) required
Please add £3.00 Post and Packing per order.

Shop on-line at: www.cast-in-stone.co.uk

Visa, MasterCard

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

Model Market Limited.

HORNBY **DCC concepts** **Digital plus by Lenz** **ESU** **Lok Sound** **Lok Pilot**

Loco Renaming & Renumbering Plus Our Own Special Editions

www.ModelMarket.co.uk 07890 – 095933

FINISHING TOUCHES FOR YOUR LOCOS & COACHES

BR & LMS Smokebox Numberplates to customise your locos, plus BR Carriage Destination Boards for all four regions – all available in both 4mm & 7mm scales. See website for details of our full range, call 01476 550002 or send a C5 SAE to:

PACIFIC MODELS
2 High Street, Corby Glen
Lincolnshire NG33 4LX
www.pacificmodels.co.uk

82010 72A

Pooleys Puffers

Model Railway Supplies, New & Second Hand Bought & Sold

Proprietor: DAVID & ANNE POOLE
Diecast Models Kits & Accessories

382a Jedburgh Court, Team Valley Trading Estate, Gateshead, Tyne & Wear. NE11 0BQ
Mon - Thurs - 10am - 5pm. Fri - Sat & Bank holidays please telephone for opening times. Sunday Closed
Tel: 0191 4910202/4106386 Mobile: 07976 519178
www.pooleypuffers.com e-mail: pooleypuffers@btopenworld.com

QUANTON ROAD MODELS

Chyanbre • Polyphant • Launceston • Cornwall • PL15 7PT
contact@quanton-road-models.co.uk • www.quenton-road-models.co.uk
01566 880157 • 07840 784653

5-Plank D.8 £38 • Fish Van D.49 £80 • PBV D.1Y2 £85.00
3rd D.2B8 £90.00 • Brake 3rds D.2A16/17 • 1st D.2Q2
Luggage Compo D.2K2A • Bogie Fish Van D.50/50A and more.....

Open Wagons • 3,4,5,6-Plank with brake gear for all eras
Cattle Wagons • Standard/Large – Vans • Standard/Large/Tool

G.C.R.
Bristol 0 Gauge
Show - 31 Jan 2016
MET.

REDCAR MODELS & HOBBIES

Most leading brands of 'OO' gauge model railways & accessories. Also Diecast, Plastic Kits, Woodland Scenics, K+S Metal Centre etc.

130 High Street, Redcar, Cleveland, TS10 3DH Tel: 01642 494912
(open Tuesday to Saturday)
Email: sales@redcarmodels.co.uk

HORNBY SERVICE DEALER

Stevenson Carriages & Millholme Models

4mm Coach Kits in LMS TPOs, LNWR, Midland & LY.
Millholme Loco Kits now available
MM14 Stirling Single No 1 • MM18 Furness Railway D5
MM23 Hull & Barnsley J28 • MM24 Maryport & Carlisle
Order kits & lists by phone 01246 863579
or by email pbarker265@btinternet.com

THE HOBBY BOX
121 High St, Uckfield TN22 1RN Tel: 01825 765296
www.thehobbybox.co.uk

Bachmann | Carrs | C&L | Cambrian | Cooper Craft | Dapol | Eckon | Evergreen | Expo | Farish
Gaugemaster | Heljan | Hornby | K&M | Kadee | Kestrel | Knightwing | Lenz | P.D. Marsh | Metcalfe | Noch
Parkside | Peco | Plastruct | Railmatch | Ratio | Romford | Seep | Slaters | Smiths | Springside | Southern Pride
Superquick | SE Finecast | SMP | Tiny Signs | Wills | Woodland Scenics Etc.

Open: Tue-Fri 10am-5.30pm, Sat 9.30am-5pm

THE MODEL SHOP
MON-SAT 9.00 - 5.30
OPEN SUNDAYS 10.00 - 2.00

117 New Road, Portsmouth PO2 7QS
Tel No. 023 9265 3100
Email: modelshop117@gmail.com

hpi-racing **OptiFUE** **SCALEXTRIC** **Humbrol** **Revell** **PECO** **DAPOL**

LINDA TINKER
RAILWAY BOOKS

Pre-owned and hard to find Railway books, bought and sold

www.lindatinkerrailwaybooks.co.uk
Tel: 44(0)1335 330965
Free UK postage

VISA **VISA** **MasterCard**

P & D Marsh
Whitemetal kits, hand painted models and laser cut wooden structures in N and OO.

INCLUDES FINISHED AND PAINTED SIGNALS IN BOTH GAUGES.

Free price lists available.

The Stables, Wakes End Farm, MK17 9FB
Tel: 01525 280068
www.pdmarshmodels.com

RHUDDLAN MODELS

- Model Railways
- Games Workshop
- Die Cast Models
Corgi - Dinky - Matchbox
- Plastic Kits
Airfix - Revel - Etc

NEW AND USED ITEMS BOUGHT AND SOLD

HIGH ST, RHUDDLAN.
01745 590048
www.rhuddlanmodels.co.uk

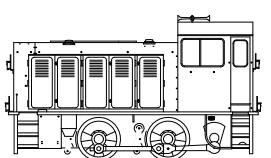
TENNENTS Trains

Home and International Mail Order is our speciality
www.tennents trainsofsalesowen.co.uk

- We stock gauges from N to G
- Discount prices on major manufacturer locomotives • Large secondhand selection • Agents for Lionel and MTH Trains • Fine and course scale O Gauge • 3 rail track O and OO a speciality • Repair and kit building service • DCC fitting service • Lots of tools materials and fittings • Free secondhand valuations

Tel: 0121 550 1266
Shop 1, No. 130 Hagley Road, Hayley Green, Halesowen, B63 1DY
Opening times: 11am to 5pm
Monday, Tuesday, Wednesday, Friday and Saturday

JUDITH EDGE
etched brass kits



North British/MAN 330hp 0-4-0DH
BR D2900-13 and industrial
£48 + £3 p&p

For full illustrated price list of our range of 47 diesel, electric and steam locomotives in 4mm scale (some in 3mm and 7mm) send sae to:
5, Chapel Lane
Carlton
Barnsley
S71 3LE
Telephone 01226 722309
Email edgemd@aol.com
www.ukmodelshops.co.uk/catalogues/judithedge.html

Malc's Models

- All gauges of model railways
- New & Second Hand
- Also stockists of Airfix, Revell, Tamiya and Dragon kits
- Diecast models
- We also repair most makes of locos



Open Mon-Sat 10am-5pm
Closed Weds & Sun

2-4 Pelham Street, Ilkeston, DE7 8AR
Tel: 07786 896807
www.malcsmodels.co.uk
Email: malcolmgrubey@btinternet.com

GREAT NEWS!
Train Times Model Shop

is now open again.

Find us at
37 Seaside, Eastbourne, BN22 7NB

(01323) 722026
traintimestoo@gmail.com
www.traintimesmodelshop.com



Tri-angman
specialist in model railways

Tri-ang, Hornby, Wrenn, Bachmann, Minic etc...
buy, sell & repair hard to find items and collectables

Find me on
www.tri-angman.co.uk
or contact:
Tel 07966 333605
laurence@tri-angman.co.uk

38-525X



Horse Boxes last remaining few available in Eastern or Southern Region liveries. Can be supplied in pristine or weathered finish. Contact us for more information. Prices from **£28.50 (+p&p)**

37-975Y



NEW!

Bachmann OO/HO scale, 'Birds Eye' triple pack of conflat with two AFP containers **£59.95 (+p&p)**. Also available weathered for **£69.95 (+p&p)**

A full list of **TMC EXCLUSIVES** is available online.



(weathered)

37-529Z

Bachmann OO/HO scale, 20T Standard Brake Van BR bauxite. TMC Exclusive weathered by TMC **£28.50 (+p&p)**. Also available pristine **£24.50 (+p&p)**

NEW!



(weathered)

37-980V

Bachmann OO/HO scale, Shunters Running Wagon Conflat A Match Truck. Available pristine or weathered. Exclusive to TMC. Pristine **£16.95 (+p&p)** weathered **£21.50 (+p&p)**

STAY WITH US - www.stayhfhc.co.uk



Hill Farm Holiday Cottages are located in the heart of the North Yorkshire Moors, close to many of the main attractions of the area including the idyllic village of Goathland, Whitby and the delightful historic market town of Pickering are just a short drive or steam ride away on the NYMR.



CONTACT US

websales@tmc-direct.com
01947 899125

OPENING HOURS

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

VISIT US

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

STAY WITH US



www.stayhfhc.co.uk
enquiries@stayhfhc.co.uk
01947 899125 (option 3)

Please make cheques payable to:
'The Model Centre'

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

*TMC Price Match Promise.

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

CUSTOM SPECIALIST

TMC
Custom Finish

44-046X - Scenecraft
TMC Exclusive brick built outhouse (below) can be used with the pair of cottages or with other terraced houses (right) to create what was a very common sight during the Victorian period onwards.
£11.50 (+p&p)



TMC EXCLUSIVE



RENDERED WORKERS COTTAGES

44-125X & 44-046X

Several pairs of cottages (above & below) can be used to create an effective terrace in conjunction with the outhouse.



44-125X Pair of TMC Exclusive cottages by Scenecraft **£32.50 (+p&p)**



44-125X & 44-046X
INTRODUCTORY OFFER
COTTAGES & OUTHOUSE
BOTH FOR ONLY
£39.99 (+p&p)

Re-creating History with Every Model

Buy pristine or ready weathered models from stock, or pre-order new releases at competitive prices. We stock the full Woodland Scenics range, as well as Metcalfe, Oxford Diecast, Peco, Ratio, Wills, Gaugemaster, Humbrol and Noch! Our **TMC Price Match*** ensures you the best possible quality & value. For regular updates, more information & *Custom Finish* prices, see our **NEW** website.

Send us *your* standard models

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



Step 1 - Contact us by phone or go to:
www.themodelcentre.com/customisation-at-tmc to select your customisation requirements.

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

Step 3 - TMC will customise your models.

Work usually takes around one week, however during busy periods this may vary.

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

N GAUGE



372-311 Graham Farish, Merchant Navy class 35023 'Holland-Afrika Line' BR green, early crest, real coal, weathered by TMC
RRP £199.95 (You save £30.00)
TMC Selling Price £169.95



372-930 Graham Farish, N Class 2-6-0 1406 SR olive green, slope-sided tender, weathered by TMC
RRP £154.95 (You save £24.00)
TMC Selling Price £130.95



372-931 Graham Farish, N Class 2-6-0 31844, BR black, early crest, weathered by TMC
RRP £154.95 (You save £24.00)
TMC Selling Price £130.95



371-828B Graham Farish, class 47/0 47096, BR blue, weathered by TMC
RRP £149.95 (You save £23.00)
TMC Selling Price £126.95

OO/HO GAUGE



92211 Bachmann, class 9F, BR black, parts pack, real coal, Shed 50A. Expertly renumbered & weathered by TMC
RRP £215.90 (You save £21.40)
TMC Selling Price £194.50



31-088 Bachmann, 3200 (Earl) class 9028 BR black, early crest, real coal & weathered by TMC
RRP £179.95 (You save £26.00)
TMC Selling Price £153.95



30-048 Bachmann, class 37 'An Comunn Gaidhealach' 37418 with DCC sound, parts fitted one end & weathered by TMC
RRP £279.95 (You save £45.00)
TMC Selling Price £234.95



90315 Bachmann, WD Austerity, late crest, Shed Code 84C. Real coal. Expertly renumbered & weathered by TMC
RRP £209.90 (You save £34.91)
TMC Selling Price £174.99



R2823 Hornby, Princess Royal, class 4-6-2 'Princess Elizabeth' 4620, BR green, late crest, real coal, weathered by TMC
RRP £174.99 (You save £15.24)
TMC Selling Price £159.75



R3233 Hornby, LNER 4-4-0 D16/3 class 8825, real coal, parts pack & weathered by TMC
RRP £164.99 (You save £15.00)
TMC Selling Price £149.99



R3329 Hornby, BR 4-6-0 Maunsell S15 class, BR (late), real coal & weathered by TMC
RRP £174.99 (You save £15.04)
TMC Selling Price £159.95



R3263 Hornby, BR class 50 (large arrow, black roof) 'Vanguard' 50024, weathered by TMC
RRP £177.99 (You save £16.04)
TMC Selling Price £161.95

www.themodelcentre.com

MasterCard Verified by Visa

VISA

MasterCard

VISA

MasterCard

VISA

MasterCard

VISA

MasterCard

VISA

MasterCard

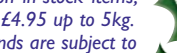
VISA

MasterCard

VISA

MasterCard

Now Accepting **PayPal**



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



PHONE/ORDER HOTLINE
(0114) 2551436**Open 9:00am - 5:00pm****24 Hr Answerphone service for orders****RAILS OF SHEFFIELD****SHOP OPENING HOURS:****9:30am - 5:00pm****Monday - Saturday****Free parking outside the door!****HORNBY****FULL RANGE STOCKED AT BARGAIN PRICES**

R3115	BR 4-6-2 Unrebuilt West Country Class 'Exeter' BR Green #34001	TBA
R3233	LNDR 4-4-0 D16/3 Class - Pre 1948 Locomotive	£96.50
R3234	BR 4-4-0 D16/3 Class - Early BR Locomotive	£96.50
R3235	BR 4-4-0 D16/3 Class - Early BR (1948) Locomotive	£96.50
R3239	BR 0-6-0 700 Class Drummond - Late BR Loco 30315	£96.50
R3240	BR 0-6-0T 700 Class - Early BR	£96.50
R3243B	BR 2-6-0 62064 K1 Late BR	£114.50
R3261	Network Rail 0-6-0 Class 08 417 Diesel Shunter	£87.50
R3262	DCR A1A-A1A Diesel Class 31452 Locomotive	£142.50
R3263	BR Co-Co Diesel Electric 'Vanguard' Class 50 024	£129.95
R3264	BR Co-Co Diesel Electric 'Ajax' Class 50	£129.95
R3266	BR Sub-Sector Co-Co Diesel Electric 'Quinga' Class 60090	£139.50
R3300	Sir Winston Churchill's Funeral Train Pack - Limited Edition	TBA
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 'Minoru' A3 Class - BR 1955	£144.50
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&DR 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 SMT - Late Crest	£119.50
R3324	LNDR 0-6-0T J50 Class Locomotive	£69.50
R3325	BR 0-6-0T J50 Class Locomotive - Early BR	£69.50
R3327	BR Black 2-8-0 Class O1 Locomotive 63663	£115.50
R3328	BR 4-6-0 Maunsell S15 Class - Early BR	£119.50
R3329	BR 4-6-0 Maunsell S15 Class - Late 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
R3336	LNDR 4-6-2 'Flying Scotsman' A3 Class - NRM 2015 Rededication	£149.50
R3340	BR 2-HAL 2 Car Electric Multiple Unit Train Pack	£114.50
R3343	First Great Western Class 08 822 Diesel Shunter 'John'	£94.50
R3345	Freightliner Co-Co Diesel Class 66504	£61.50
R3346	DB Schenker Co-Co Diesel 'Marco Polo' Class 92	£70.50
R3347	EWS Co-Co Diesel 'Wagner' Class 92019 Electric Loco	£71.50
R3351	Northern Rail Diesel Class 153 Diesel Loco	£79.50
R3352	FGW Diesel Class 153 Diesel Loco	£79.50
R3353	Balfour Beatty 4WDH Sentinel	£49.50
R3365	East Coast Trains Bo-Bo Electric Class 91 120 Loco	£79.50
R3370TTS	BR 4-6-0 'King Richard III' 6000 Class BR (Early) with TTS Sound	£159.50
R3371	RailRoad LNDR 4-6-2 'Mallard' A4 Class Loco	£74.50
R3374	BR Class 71 '71012' - BR Blue	£132.00
R3380	LNDR 0-6-0 '7510' J15	£96.95
R3381	BR 0-6-0 '65475' J15 - Early BR	£96.95

BACHMANN**FULL RANGE STOCKED AT BARGAIN PRICES**

30-048	The Highlander Digital Sound Train Set	£254.50
30-325	Ambulance Train No.40 Train Pack	£131.50
30-525	The Shakespeare Express Train Pack	£194.50
30-575	The Railway Children Train Pack	£114.50
31-088	3200 (Earl) Class 9028 BR Black Early Emblem	£118.96
31-089	3200 (Earl) Class 3214 GWR Green Shirt-Button Monogram	£118.96
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	Ivatt 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
31-480	G2A 9376 LMS Black with Tender Back Cab	£101.96
31-528A	Class A2 60529 'Pearl Diver' BR Lined Green Late Crest	£144.46
31-531	Class A2 60536 'Trimbrush' BR Lined Green Early Emblem	£144.46
31-614	Class V3 Tank #67609 BR Lined Black Late Crest Cranked Pipes	£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
31-660	Class 47/4 47436 BR Blue Large Logo	£101.96
31-679	Type AL5 Electric #E3095 BR Electric Blue Small Yellow Panel	£118.96
31-781	Modified Hall 7903 Foremarke Hall	£99.50
32-034A	Class 20 20141 BR Green Full Yellow Ends Weathered	£97.71
32-038DS	Class 20 #20124 BR Blue Indicator Disks - Weathered - SOUND	£183.95
32-044	Class 20 #D8028 BR Green Indicator Discs with Tablet Catcher	£87.95
32-065	Class 43 'Warship' #D865 'Zealous' D865 BR Maroon Yellow Panel	£111.50
32-066	Class 43 'Warship' 'Pegasus' #D835 BR Green 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	£72.21
32-235	Fowler Class 3F 0-6-0 (Jinty) 47673 BR Black Late Crest Weathered	£80.71
32-285	Class 101 2 Car DMU BR Green with Speed Whiskers	£127.95
32-286A	Class 101 2 Car DMU BR Green Yellow Warning Panel Weathered	£144.46
32-331	Class 25/1 #25043 BR Green Full Yellow Ends - Weathered	£89.21
32-389	Class 37/4 37421 Colas	£101.96
32-390	Class 37/7 37706 'Conidae' Railfreight Petroleum Sector	£101.96
32-442	Class 24/1 #24137 BR Blue	£93.46
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	£101.96
32-762DS	Class 57/3 'The Hood' #57312 Virgin - Weathered - SOUND	£191.95
32-784	Class 37/0 #37242 Mainline Blue Centre Head Code - Weathered	£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
32-880	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
32-992	Wickham Type 27 Trolley Car BR Engineers Yellow	£67.96
32-993	Wickham Type 27 Trolley Car BR Engineers Yellow Wasp Stripes	£67.96

GRAHAM FARISH**FULL RANGE STOCKED AT BARGAIN PRICES**

370-080	'Countryside Coal' Digital Train Set	£144.50
370-300	Landscape Train Collectable Train Pack	£89.50
370-400	Longmoor Military Railway Train Pack	£119.50
370-500	Cumbrian Mountain Express Collectable Train Pack	£132.50
371-015C	Class 08 08672 BR Blue Wasp Stripes	£76.46
371-021A	Class 08 D3785 BR Green Late Crest	£76.46
371-031A	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	£72.21
371-054	Class 04 D2332 'Lloyd' NCB Yellow	£72.21
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 03 D2383 BR Green Wasp Stripes Weathered	£95.50
371-329	Class 150/2 #150247 BR Sprinter - Weathered	£131.71
371-330	Class 150/1 #150128 First Great Western	£123.21
371-358	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 #37325 BR Blue - Weathered	£99.95
371-464	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 LNDR Apple Green	£127.95
372-386	Class A2 'Bachelors Button' #60537 BR Brunswick Green E/E	£135.96
372-387	Class A2 60527 'Sun Chariot' BR Lined Green Late Crest	£135.96
372-388	Class A2 'Blue Peter' #60532 BR Lined Green Late Crest	£135.96
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
372-625	Ivatt Class 2MT #46521 BR Lined Green Late Crest	£95.50
372-626	Ivatt Class 2MT BR Lined Black '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
372-930	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.

PRICE PROMISE

We guarantee the price of our forthcoming releases for Locomotives, coaches and wagons to be at least 10-25% less than the RRP at the time of release. We also offer large discounts on many of our railway accessory ranges.

We continually monitor other retailers to ensure that our prices are always competitive.

JUST LOOK FOR THE **Colour coding:****No DCC****DCC READY****DCC Fitted/Sound****PLEASE NOTE:**

All items currently in stock are despatched immediately.

Forthcoming releases will be despatched immediately upon release.

If your order contains both current items and forthcoming releases then these will be despatched separately and subject to separate delivery charges.

**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	
DCCSFIT	Fitting service for all OO gauge Steam Classes	£25.00
DCCDIPT	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
AT BARGAIN PRICES****OO GAUGE** **O GAUGE****FULL RANGE STOCKED
Call us or see our website for
more details and bargain prices**

6000	Heljan O Gauge Class 60 Railfreight sector	£495.00
6001	Heljan O Gauge Class 60 Loadhaul	£495.00
6002	Heljan O Gauge Class 60 EWS	£495.00

**DAPOL
AT BARGAIN PRICES****Dapol 'O' Gauge Terrier**

7S-010-004	Terrier AIX LBSC Improved Green Thames	£199.95
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
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
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**MASSIVE JANUARY 2016 SALE
Starts 24th December****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****www.railsofsheffield.com**

OFFICIAL HORNBY
COLLECTORS CENTRE

Est 1975

FOR MORE SPECIAL OFFERS AND UP TO THE
MINUTE RELEASES VISIT OUR WEBSITE

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@railsofsheffield.com, fax us on 01142 555982 or post your lists to the address at the bottom of the page, all enquiries answered.

RAILS OF SHEFFIELD, 21/29 CHESTERFIELD ROAD, SHEFFIELD, S8 0RL. TEL(0114) 255 1436, 8 LINES. FAX (0114) 255 5982
PHONE/FAX/24 HR ANSWERPHONE FOR ORDERS OUTSIDE SHOP HOURS. EMAIL: info@railsofsheffield.com WEBSITE: <https://railsofsheffield.com> (E & OE)

BARRY JONES

Specialist in the sale of quality secondhand railway. Transport timetables, posters, maps, publicity, photographs, and official items always wanted. Railway collectables and model railways, also sought.

28 Marine Crescent, Worthing BN12 4JF
Tel/Fax: 01903 244655
Email: barryjones28@virginmedia.com

Dereks Transport Books

www.derekstransportbooks.com

dereksbooks@btinternet.com

All transport subjects covered

Established 1995 Ringwood

CAPTURE THE MAGIC OF IRISH RAILWAYS
With **ALPHAGRAPHIX**
Etched brass locomotive
& carriage kits in 7mm scale
Plus full supporting range of Card construction
kits for Railway & Street buildings
Send 6x 2nd Class Stamps for CATALOGUE
23 Darris Road, Selly Park, Birmingham B29 7QY

INVERTRAIN
Model Railways
7mm O Gauge Specialist
Sole Supplier of Wayoh Coach Bogies
HCBK001 Portesham Station Kit £92.00
(plus £4.00 p&hp)

For Full Details Of All Our Products,
Please See Our Website at www.invertrain.com
Or Send £4.00 for our latest Illustrated Catalogue To:-
33 Rose Gardens, Cairneyhill, Dunfermline, Fife, KY12 8QS
Tel: 01383 880844 (Answer-phone available)
Please make cheques payable to Invertrain Model Railways

BRANCHLINES
MOTORS AND GEARBOXES
Please email or write for our extensive catalogue covering all the Mashima range, our extensive range of one and two-stage gearboxes, flywheels, bearings, drive shafts etc to suit all popular modelling scales.

BLACK BEETLE MOTOR BOGIES
Powered 'Black Beetle' £48.50
Unpowered 'Dummy Beetle' £17.50
Black Beetle N/Silver wheels £3.30/axle

P.O. Box 4293, Westbury, BA13 9AA
Tel/Fax: 01373 822231
Email: sales@branchlines.com
Blog: branchlines.blogspot.com

Cat's SSAE +£1 (in stamps) extra or £2.50 C.Card
Please state interests.
P&P: UK £2.25 (value under £30) £3.50 (value £30-£60)
£4.50 (over £60) per order.
Non-EU and BPFO less VAT. Exports £4.00 Minimum
Mon-Thurs: 9.30am-1pm, 2pm-6pm

Aspire Gifts & Models
OPENING TIMES: Mon 2pm-5pm Tues, Wed, Thurs 10am-5pm
Suppliers of all Major Railway Brands, We Chip, Service and Repair Engines.
Layouts built from Track to finished item.
THOUSAND'S OF ITEMS AVAILABLE ON OUR WEBSITE CREDIT CARDS WELCOME
Unit 4, Court Farm Business Park, Buckland Newton, Dorset. DT2 7BT Telephone: 01300 345355
email: edward.aspire@btinternet.com Website: www.aspiregiftsandmodels.co.uk

www.sommerfeldt.co.uk
Overhead Catenary System for 'O' 'N' & 'HO' also Pantographs

Blackwells of Hawkwell
Tel: 01702 200036 • Fax: 01702 204210 • sales@blackwells-miniatures.com
P.O. Box 2099 Hockley, Essex SS5 4UY

www.blackwells-miniatures.com
Trees & Scenic Materials, Card Buildings, Roadways, Grass Mats, etc.

Lever Frames by MODRATEC
- simple or interlocked -
- mechanical or electrical control -
- popular 6 & 12 lever starter packs -
- FREE SigScribe4 design software -
- clever WIT (wire-in-tube) mechanisms -

modratec.com or 01905 590069 or 0845 224 1604

Maestro Tel: 01933 355531
PayPal Mobile: 07969 535 699 (evenings & weekends)

H & A MODELS 19 Keats Way, Higham Ferrers, Northants. NN10 8DQ
Email: sales@hamodels.net

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)
Our next Exhibition is at Stafford on 6th & 7th February

ISINGLASS
LNER Scale Drawings & 3D Design/Printing Services
Components, kits and design
www.isinglass-models.co.uk
27 Grange Road, Toddington, Dunstable LU5 6BZ
isinglass@Edgson.net

3mm Scale Model Railways
4 Greenwood Drive, Redhill, Surrey, RH1 5PJ. Tel: 01737 761919

40 Page Full Colour Catalogue £4.50
Catering exclusively for TT and 3mm Scale
www.3smr.co.uk
BlackBeetle, BullAnt, Halling, Tenshodo
www.motorbogies.com

Another Delightful Model At
C&M Models

N GAUGE SCOTRAIL 'SALTIRE' 156
£109.95, DUE NOVEMBER
ADVANCE ORDERS BEING TAKEN
EXCLUSIVE TO C&M MODELS

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

GREAT EASTERN MODEL RAILWAYS
SPECIALISING
IN ALL YOUR
MODEL
RAILWAY
NEEDS
OO + N Gauge

Tel: 01603 431457
greasternmodels.co.uk
199 Plumstead Road,
Norwich, Norfolk NR1 4AB

HORLEY BOOKSHOP
MODEL SCALE RAIL CENTRE
117 Victoria Road, Horley, Surrey RH6 7AS
Tel: 01293 783558 www.scalerail.co.uk
info@scalerail.co.uk [f scalerailhorley](https://www.facebook.com/scalerailhorley)

- Specialists in N and OO gauge
- All major model railway brands stocked
- Rolling stock, track, scenics, kits, paint etc
- Starter sets
- Baseboards built to your specifications
- Mail order a pleasure
- We also sell cards, gifts and art/craft items

Open Mon-Sat 9.00-5.00 and Sun 10.00-2.00
Pay & Display parking 3 minutes walk
We are just 10 minutes from Gatwick Airport

ITEMS MAIL ORDER LTD
MAYFIELD, MARSH LANE, SAUNDBY,
RETTFORD, NOTTS, DN22 9ES
Tel/Fax: 01427 848880

BA SCREWS IN BRASS, STEEL AND STAINLESS. SOCKET SCREWS IN STEEL AND STAINLESS. DRILLS, RIVETS, TAPS, DIES, END MILLS, SLOT DRILLS ETC

BRASS CHEESE SCREWS FROM £2.32/100
BRASS ROUND SCREWS FROM £3.85/100
BRASS CSK SCREWS FROM £4.67/100
SOCKET GRUB SCREWS FROM £1.72/10
STANDARD PACK SIZES 10, 25, 50 AND 100
Special Offer
BRASS CHEESE 12 BA X 7/16" £5.96/100

PHONE FOR FREE LIST

ALAN CLIFF'S
JACK THE STATION CAT BOOKS
FOR RAILWAY CHILDREN (3-9 years)

IDEAL CHRISTMAS PRESENTS
Jack & the Vanishing Lady (All colour) £2.95
Jack & the August Day (All colour) £2.95
Jack & the Snail Trail (All colour) £2.95
Jack Takes Charge (All colour) £2.95
Jack Goes to School (All Colour) £2.95
Jack & the Midnight Mice (All Colour) £2.95
Jack & the Lost Kittens (All Colour) £2.95
Jack & the Great Little Trains Robbery £2.95
Jack in a Signal Box £2.95
Jack & the Tail's End Tickets £2.95
Complete Set of all 10 Books £26.00
Song 'Jack, Jack The Station Cat' CD £2.95
CDs and Books (signed) post free
Cheques payable to: Jack The Station Cat Ltd,
Dept B, 38 Clifton Park Road, Rhyl LL18 4AW
Tel: 01745 344963
www.jackthestationcat.co.uk
Trade enquiries welcome

EASY 5 STEP PROCESS



1. Contact us with your list of items.
(email, post, or phone)



2. Our experts review your list & make a valuation.



3. Either send us your items or we arrange collection.



4. We check them & confirm the offer then make payment to you.
(cash, bank transfer, cheque or store credit*)

*We are able to offer a higher valuation if you choose store credit

Some examples of what we've purchased before . . .



Hornby Streamlined Coronation 4-6-2



Bachmann Limited Edition Class 20



Wrenn LNER Class A4 4-6-2

Phone opening times

Mon to Fri **7am-8:30pm**

Sat **7am-6pm**

Sun **9am-5pm**

0151 733 3655

preowned@ehattons.com

WE PURCHASE ALL



Electrotren



TODAY

and locos & rolling stock

ehattons.com/preowned
preowned@ehattons.com



WHY CHOOSE HATTON'S?

Over 65 years of experience
Offering you the best prices in the industry
Valuations made by experts
Free quotes with no obligation to trade
We can collect
No collection too big or too small
Fast, secure payment
Store credit available



Kit-built LNWR Claughton 4-6-0



Corgi, EFE & Oxford Diecast



Coaches, Rolling stock & Accessories

... all available to buy online at ehattons.com/latestpreowned

BRANDS, INCLUDING



Shop opening times

Mon to Sat 9am-5pm

Sun 10am-4pm

364-368 Smithdown Road
Liverpool, L15 5AN

CLASSIFIEDS

ACCESSORIES, BOOKS & MODEL SERVICES

NICK TOZER
RAILWAY BOOKS

**RAILWAY BOOKS
BOUGHT & SOLD**

*Free Railway
Booksearch Service*

155 Church Street, Paddock,
Huddersfield, HD1 4UJ
Shop now open: Tue/Wed/Sat
(non-show dates) 11:00-17:00
+ Thu 14:00-20:00
Tel: 01484 518159 (answer machine)
www.railwaybook.com
email: nick@railwaybook.com

www.ToppTrains.co.uk

NEW
Shop for model
railway enthusiasts
OPEN NOW
Free Parking

Wide range of stock from all
your favourite suppliers,
PLUS bespoke services,
ordering service and online shop.



Call us or see our website for details

28 Marston Road, Stafford, ST16 3BS
Tel: 01785 247883

ACCESSORIES, BOOKS & MODEL SERVICES

SOLDERING IRONS & ACCESSORIES

86 page paperback
with many illustrated
examples to help you
get started as well as
improving your
soldering
Now reprinted for the
8th time
£3.99
+£1 Postage

Trade enquiries welcome for this book

BREWSTERS Ltd
112 New George Street, Plymouth PL1 1RZ
Phone 01752 665011

ANTEX SOLDERING IRONS
CS18 18W IRON £20.99
Postage £2.50

The ANTEX CS18 18 Watt Soldering Iron comes fitted with 2.5mm bit.
This iron is ideally suited for 'N' gauge modelling as well as all types of
electronic Soldering. We stock a range of bits for this iron. See websites
below

XS25 25W IRON £21.45
Postage £2.50

Slightly larger than the CS18 the XS25 is fitted with a 3mm bit.
This iron is ideally suited to all work around a OO gauge layout
including soldering to track. A range of additional bits are available
for this iron. See Website below for more information on both irons

Our Full Soldering Catalogue Containing Over 200
Items is on our Websites @
www.soldering-shop.co.uk
www.brewstersbatteries.co.uk
ALL MAJOR CREDIT/DEBIT CARDS ACCEPTED

PHOENIX PRECISION

PRECISION PAINTS & CHERRY PAINTS
The Original and still the best
Available at shows and via our secure online shop
www.phoenix-paints.co.uk sales@phoenix-paints.co.uk
01268 730549

MANKIM MODELS
213 Shrub End Road, Colchester, Essex CO3 4RN
Tel: 01206 574929
NEW & SECONDHAND
DIECAST & RAILWAYS
Major Credit Cards Accepted

**HORNBY - PECO
BACHMANN - FARISH
CORGI - OXFORD
EFE - AIRFIX etc**

**NEW & SECONDHAND
RAILWAYS & DIECAST**

**WARHAMMER
Scalextric**

Sorry
no lists

Ample Parking

MP Middleton Press
EVOLVING THE ULTIMATE RAIL ENCYCLOPEDIA

Published 23 January

**BRANCH LINES TO
SKEGNESS AND
MABLETHORPE**
also to Spilsby
and Coningsby

£18.95 P&P free (UK) MAIL ORDER

www.middletonpress.co.uk

Easebourne Lane, Midhurst, GU29 9AZ
T: 01730 813169 E: sales@middletonpress.co.uk

**Please visit our website
or telephone for a brochure**

BRM
BRITISH RAILWAY MODELLING

**100+ forums
1,000s of modellers**
www.RMweb.co.uk

PARKWOOD
MANUFACTURERS OF FINE
DISPLAY CASES AND CABINETS
DESIGNED FOR THE PURPOSE BUILT TO LAST
Please contact us for more details at the address
below or go to: www.parkwood-arts.co.uk
To receive your free Product Sheets with Price Lists
Contact us at: Parkwood Arts Ltd, Foxfield,
Petersfield, Hampshire, GU3 1DJ
Tel: 01730 266151 Fax: 01730 265866

KITS, SOFTWARE & CASTING

Parkside Dundas

**Horse Boxes
00 Gauge: 4mm scale**

LNER Horse Box 5 - left above ref PC83£15.45
Decals BR and LNER for PC83..... ref TPC83.....£1.70
GWR Horse Box N13 - right above..... ref PC79£15.45
Decals BR and LNER for PC79..... ref TPC79.....£1.70
GWR Prize Cattle Van W7-1927 ref PC64£12.10
Mounting Blocks (10) for Bachmann 36027 NEM Coupling..... ref PA34.....£2.55

Visit our website for details of more kits
Please add £3.00 p&p per order

Millie Street, Kirkcaldy, Fife, KY1 2NL
Tel/Fax: 01592 640896 sales@parksidedundas.co.uk
Website: www.parksidedundas.co.uk

MODELS

JOHN DUTFIELD LLP

Gift
Vouchers
available

Stockists of many brands inc Bachmann, Hornby, Graham
Farish, Dapol, Gaugemaster and Peco.
Secondhand bought and sold.
Selection of kits, glues, tools, paints and accessories.
Wards Yard, 133 Springfield Park Road
(at the junction with Hill Road) Chelmsford CM2 6EE
TEL: 01245 494455. EMAIL: heatherwilkinson@btconnect.com
www.johndutfieldmodelrailways.co.uk

OPENING HOURS:
9.00am-5.30pm
Mon, Tues, Thurs,
Fri and Saturday
Closed Wed, Sun
& Bank Holidays
All major credit/debit
cards accepted.

BRM
BRITISH RAILWAY MODELLING

**FREE gifts
when you subscribe.**
Check out our latest
subscription offers

www.model-railways-live.co.uk

BRM
BRITISH RAILWAY MODELLING
PACKED WITH LAYOUTS, IDEAS & PROJECTS

SOUTHERN PRIDE
WELLBRIDGE: 1960s
SR STEAM IN ACTION

HELJAN
PRET TO-RO-ELECTRIC

BACHMANN
NEW ARTIST TOOLBOX

PRACTICAL BRM
A NEW FREE PAPER MAGAZINE
FOR BRM SUBSCRIBERS
CONTAINING LAYOUT IDEAS
TIPS & TRICKS

**PLUS: WARRLEY WEST & STONEHAM IN A
RADIO CONTROL FOR OO & USING LEDs**

RETAILERS & MANUFACTURERS

MARCWAY

POINTWORK RENOWN FOR QUALITY

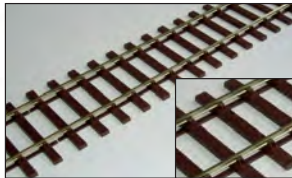
Ranges available in gauges 1, 0, SM32, 00, EM, HO 0-16.5. All are ready to run and spray finished. SAE or phone for leaflet

Custom Pointwork

We construct custom pointwork & junctions in any gauge to your required specifications. All gauges from G to 009 including Dual Gauge & American O & Narrow Gauges.

PHONE MARC ON 01709 542951 (not always manned)
TECHNICAL & CUSTOM POINTWORK

NEW MARCWAY Gauge 0 Flexible Track



Beautifully proportioned to capture trackwork of the British steam era. Box of 10 yards (available individually).....£75.00

MARCWAY 0 Gauge Pointwork

Handcrafted with code 125 bullhead nickel silver rail matching Marcway, Peco and C & L 0 gauge track. Built as per all our ready to run pointwork ranges with live frogs, are self isolating and rail built throughout with no cast or moulded parts. Extensive standard range including 3 ways, slips, crossings, curve points etc. L & R point start at £43.95. Introduction offer 4x72" or 48" points £159.00

MARCWAY 00 & EM Pointwork

Handcrafted in either 00 or EM gauges with code 75 nickel silver Bullhead rail and to match to SMP Scaleway track. The 00 range are built to take Hornby, Bachmann, Lima as well as finescale wheel standards. EM are set to the normal fine settings. Range includes slips, 3 ways, curve points etc. Construction & finish as per 0. Prices start at £25.50 for L or R. Introductory offer 4 x Lor R, hand 36" or 48" points for £90.00

MARCWAY POINT LEVERS

PLN Point Lever with built in omega spring N/T/Fine.....£3.99
PLS Point Lever with built in omega spring 00/EM.....£3.99
PLL Point Lever with built in omega spring 0 Gauge.....£3.99

SCALEWAY TRACK BY MARCWAY

Code 75 Bullhead plastic based flexible track - beautifully proportioned to capture trackwork of the British steam era. The appearance of these tracks is very similar to the 0 gauge shown above.
J Scaleway 00 Nickel Silver Track Box of 10 yards.....£43.00
K Scaleway 00 Phosphor Bronze Track Box of 10 yards.....£43.00
L Scaleway EM Nickel Silver Track Box of 10 yards.....£43.00
M Scaleway EM Phosphor Bronze Track Box of 10 yards.....£43.00
Also available P4 18.80 - 19.33.....£47.00
O Scaleway 0 Nickel Silver (125BH) Track box of 10 yards.....£75.00

MARCWAY TRACK MATERIALS

For all gauges: Rails, sleeper strips, cut sleepers, track gauges, point levers & motors, switches, planters, metal track templates, point kits, frog units etc

NEW OBSOLETE HORNBY

As well as all current range we carry vast selection of new obsolete locos, rolling stock, Skaledale etc. Please phone for details or visit www.marcway.net

R3105 GWR 4-6-0 CASTLE CLASS 'WELLINGTON'	£139.99
R3106 GWR 2-8-0 CLASS 28XX '2807'	£143.99
R3107 BR 4-4-0 CLASS T9 '30313'	£109.99
R3108 SR 4-4-0 CLASS T9 '708'	£109.99
R3109 GWR CLASS 61XX #5154	£99.99
R3110 BR 2-6-2 61XX CLASS '6129'	£99.99
R3111 BR 4-6-2 PRINCESS CORONATION CLASS #46241	£150.00
R3114 BR 4-6-0 CLASS B1 '61270'	£129.99
R3114A BR 4-6-0 CLASS B1 '61267'	£129.99
R3115 BR 4-6-2 UNBUILT WEST COUNTRY CLASS 'EXETER'	£139.99
R3116 BR 0-6-0 TERRIER #2670	£61.40
R3118 BR 4-6-0 CASTLE CLASS 'PRINCESS CASTLE' #7023	£143.99
R3119 LMS 4-6-2 PRINCESS CORONATION 'DUCHESS OF ABERCORN'	£131.75
R3123 GWR 2-8-0 CLASS 42XX #4283	£119.99
R3124 BR 2-8-0T CLASS 42XX #4266	£119.99
R3125 GWR 2-8-0T CLASS 52XX #5274	£119.99
R3126 BR 2-8-0T CLASS 52XX #5243	£119.99
R3129 SR 0-4-4 CLASS M7 '249'	£129.99
R3131 LNER 4-6-2 CLASS A4 'GREAT SNIPE'	£144.99
R3144A BR A1A-A1A DIESEL CLASS 31 #05829	£160.00
R3153 RAILROAD NORTHERN BELLE CLASS 47 PULLMAN #47832	£59.99
R3154 RAILROAD PATRIOT CLASS 'E.C.TRENCH' #45539	£69.99
R3160X BR 4-6-2 WEST COUNTRY CLASS 7P5F 'WINCANTON' DCC SOUND	£274.99
R3166 GWR 4-6-0 STAR CLASS 'KNIGHT OF THE GRAND CROSS'	£140.00

POSTAGE EXTRA AT COST

MARCWAY

SCALE MODELS 0114 2449170



VISIT OUR SPACIOUS SHOP - 1200sq ft Sales Area • SHOP OPEN 10am-5pm 6 days a week

Phone, Fax or Post your order. marcway.net has full Marcway Pointwork list
HORNBY & SCALEXTRIC MAIN AGENTS Peco - Farish - Gaugemaster - Bachmann etc. Sets, Train Packs, Locos & Rolling Stock, Track Controls & Accessories etc. Also modellers tools, airbrushes, paints, plastic, metal and wood section and sheet. Secondhand equipment bought and sold. Vast selection combined with helpful & friendly service - Free technical advice by phone or in store

598-600 ATTERCLIFFE RD, SHEFFIELD S9 3QS

SITUATED 2 MILES FROM M1 JUNCTION 34 (Meadowhall Exit) 200yds from Attercliffe Tram Stop

INSIST ON OUR WORKSHOP - IN OUR OWN SHOP

ADVERTISERS INDEX

3MM SCALE MODEL RAILWAYS.....	147	MIDDLETON PRESS.....	150
4GROUND LIMITED.....	121	MILLENIUM MODELS.....	152
4TRACK MODELS LIMITED.....	95	MODEL MARKET LIMITED.....	141
A C MODELS.....	127	MODEL RAILWAY DEVELOPMENTS.....	152
ADDLESTONE MODELS.....	138	MODEL RAILWAY SOLUTIONS.....	137
ADM TURNTABLES.....	136	MODELLERS MECCA LIMITED.....	132
AGR MODEL RAILWAY STORE.....	136	MODEL MANIA.....	137
ALPHAGRAPHIX.....	147	MODRATEC.....	147
ANCORTON MODELS.....	120	MONK BAR MODEL SHOP LTD.....	139
ANORAKS ANONYMOUS.....	140	MORLEY CONTROLLERS LIMITED.....	132
ASPIRE GIFTS & MODELS.....	147	MORRIS MODELS.....	139
BACHMANN EUROPE PLC.....	2 & 95	MORTONS MEDIA GROUP LTD.....	117
BARRY JONES.....	147	NICK TOZER.....	150
BARRY STOCKTON.....	114	OLIVIA'S TRAINS & MODELS.....	133
BILL HUDSON TRANSPORT BOOKS.....	152	OSBORN'S MODELS LIMITED.....	69
BLACKWELLS OF HAWKWELL.....	147	OXFORD DIECAST LTD.....	77
BOURNEMOUTH MODEL RAILWAY CENT.....	128	P & D MARSH.....	141
BRANCHLINES.....	147	PACIFIC MODELS.....	141
BREWSTERS LIMITED.....	150	PARKSIDE DUNDAS.....	150
BUFFERS MODEL RAILWAYS LTD.....	137	PARKWOOD ARTS LIMITED.....	150
C & L FINESCALE MODELLING LTD.....	95	PENNINE MODELS.....	115 & 121
C & M MODELS.....	147	PETERS SPARES MODEL RAILWAYS LTD.....	133
CHELTHENHAM MODEL CENTRE.....	119	PHOENIX PRECISION PAINTS.....	150
CHESTER MODEL CENTRE.....	123	PLATFORM MODELS LTD.....	137
CHURCH STREET MODELS.....	138	POOLEYS PUFFERS.....	141
CONNOISSEUR MODELS.....	152	QUAINTON ROAD MODELS.....	141
CRAFTY HOBBIES.....	147	QUALITY CORK SUPPLIES.....	139
DAPOL LIMITED.....	163	RADLEY MODELS.....	126
DB MODELS.....	123	RAILS OF SHEFFIELD.....	144 TO 146
DCC CONCEPTS PTY LTD.....	6 & 55	RAY HEARD.....	114
DCC SUPPLIES LTD.....	122	RECREATION 21.....	138
DEREK'S TRANSPORT BOOKS.....	147	REDCAR MODELS & HOBBIES.....	141
DURHAM TRAINS OF STANLEY.....	152	RUDDLAN MODELS.....	141
EASY BUILD COACH & DMU KITS.....	128	RON LINES.....	139
ELLIS CLARK TRAINS.....	128	ROXLEY MODELS.....	133
EXPO DRILLS AND TOOLS.....	8 & 9	SAWYER MODELS.....	133
EXPRESS MODELS.....	136	SCALE MODEL SCENERY LTD.....	139
FINESCALEBRASS (UK) LTD.....	122	SCALESCEENES.COM.....	139
FLAIR WHOLESALE LIMITED.....	137	SKYTREX (2013) LIMITED.....	134
FOOTPLATE.....	128	SOUTH EASTERN FINECAST.....	126
FOURSIGHT PUBLICATIONS LIMITED.....	63	SOUTH WEST DIGITAL.....	134
FOX TRANSFERS LTD.....	130	SPECIALIST CRAFTS LTD.....	124
GAUGEMASTER COM.....	10 & 11	SQUIRES MODEL & CRAFT TOOLS.....	115
GEE DEE MODELS.....	136	SRP FAIRS.....	114
GEOFF GAMBLE BOOKS.....	152	STEVENSON CARRIAGES & MILLHOLME MODELS.....	141
GFB DESIGNS (SIG-NA TRAK).....	130	STONEBRIDGE STRUCTURES.....	138
GILBOW (HOLDINGS) LTD.....	3	STRAWBERRY LINE RAILWAY.....	152
GOLDEN VALLEY HOBBIES LIMITED.....	137	STREET LEVEL MODELS.....	136
GRAPHIC AIR SYSTEMS.....	130	SUNNINGWELL COMMAND CONTROL LTD.....	152
GREAT EASTERN TOYS AND MODELS.....	147	TAUNTON CONTROLS LTD.....	138
GRIMY TIMES.....	130	TEN COMMANDMENTS.....	139
H. & A. MODELS.....	147	TENNANTS TRAINS.....	141
HARBURN HOBBIES.....	131	THE BRISTOL O GAUGE SHOW.....	118
HASTINGTON MODELS.....	138	THE GAS CUPBOARD.....	136
HATTON'S MODEL RAILWAYS.....	14-21, 148-149, 164	THE HEREFORD MODEL CENTRE.....	59
HEATHCOTE ELECTRONICS.....	131	THE HOBBY BOX LIMITED.....	141
HORLEY BOOK & MODEL SHOP.....	147	THE HOBBY GOBLIN.....	138
HORNBY HOBBIES LIMITED.....	125	THE HOBBY SHOP.....	136
HOWARD SCENIC SUPPLIES.....	152	THE LANCASHIRE & YORKSHIRE RAILWAY SOC.....	126
INVERTRAIN MODEL RAILWAYS.....	147	THE LOCOSHED.....	135
ISINGLASS MODELS.....	147	THE MODEL SHOP.....	141
ITEMS MAIL ORDER LTD.....	147	THE MODEL SHOP (EXETER).....	138
JACK THE STATION CAT LIMITED.....	147	THE MODEL TREE SHOP.....	126
JACKSONS MODELS.....	138	THE TOY BOX.....	134
JOE LOCK.....	114	TMC CUSTOM FISHNIS LOCOMOTIVES.....	142, 143
JOHN DUTFIELD.....	150	TONY OAKES.....	114
JUDITH EDGE.....	141	TOPP TRAINS.....	150
JULIE & JOHN WEBB.....	120	TOWNSTREET.....	134
JUST-TRACKS.....	131	TRAIN TECH.....	127, 35
KEEN SYSTEMS.....	138	TRAIN TIMES MODEL SHOP.....	141
KERNOW MODEL RAIL CENTRE LTD.....	127	TRAINS 4U.....	132
KS LASER DESIGNS LTD.....	129	TRAINSTOP.....	152
LANGLEY MINIATURE MODELS.....	131	TRI-ANGMAN.....	141
LINDA TINKER RAILWAY BOOKS.....	141	TRIDENT TRAINS MODEL SHOP.....	138
LISKEARD RAILWAY MODELS.....	116	TUTBURY MODELS.....	138
LOCOMOTION.....	45	UNION MILLS MODELS.....	69
LORD AND BUTLER.....	137	UPSTAIRS DOWNSTAIRS.....	138
MAD ABOUT TRAINS.....	137	VECTIS.....	115, 152
MALC'S MODELS.....	141	VIKING OPTICAL.....	135
MANKIM MODELS.....	150	WADDELL'S MODELS.....	138
MARCWAY MODELS & HOBBIES.....	151	WALTONS OF ALTRINCHAM.....	152
MEGAPOINT CONTROLLERS.....	124	WELLINGBOROUGH TRAINS & MODELS.....	134
MERCIAN MODELS.....	132	WHITE ROSE MODELWORKS.....	97
MERIDIENNE EXHIBITIONS LIMITED.....	117	YORK MODELMAKING AND DISPLAY LIMITED.....	132
METCALFE MODELS & TOYS LIMITED.....	12 & 13	YOU CHOOS.....	135
MID HANTS RAILWAY.....	137		

BILL HUDSON BOOKS

Please visit our totally revamped site.
Now with secure online ordering!

www.billhudsontransportbooks.co.uk

Tel/Fax: 01629 580797

Please visit: Matlock Station, Station Yard, Matlock DE4 3NA

HOWARD SCENIC SUPPLIES

www.howardscenicsupplies.co.uk

Email: sales@howardscenicsupplies.co.uk Tel: 01206 385409

NOCH **ANCORTON MODELS** **SUPERQUICK** **FALLER** **Preiser** **Heki**

Adhesives, Backscenes, Ballast, Buildings, Cork, Figures, Fencing, Groundcover, Modelling Materials, Plants, Roads, Trees & Bushes, Walling & More!

CONNOISSEUR MODELS

0 Gauge Etched Locomotive, Wagon & Carriage Kits
Website & On Line Catalogue

www.jimmcgeown.com

or Send 2nd Class Address Label For Free Printed Catalogue
1 Newton Cottages, Nr Weobley, Herefordshire HR4 8QX

RAIL-BOOKS.CO.UK

Railway book specialist covering UK and overseas prototypes, also modelling, bus, tram and shipping books.

Book searches a pleasure. Many books POST FREE.

Visit www.rail-books.co.uk for further details and on-line ordering

Tel: 01293 406137



FREE E-NEWSLETTERS

Exclusive articles, competitions & offers

Register now at

www.model-railways-live.co.uk/register

Millennium Models

Hornby, Bachmann, Peco and more.

New and Secondhand stock

Jarvis, Dapol, Metcalfe, Corgi, Oxford

67 Queen Street, Morley, Leeds LS27 8EB

Tel: 0113 2189286 www.millennium-models.co.uk

DURHAM TRAINS OF STANLEY

MORE THAN JUST A MODEL SHOP

WE STOCK ALL MAJOR BRITISH OUTLINE ROLLING STOCK AND SCENICS AS WELL AS OXFORD DIECAST. WE ALSO OFFER A CHIP FITTING SERVICE RTO READY AND HOME DCC READY LOCOS AND SERVICE MOST MAKES OF LOCOS. JUST CLICK ON OUR WEBSITE FOR MORE INFORMATION. WE ALSO HAVE OVER 3000 ITEMS FOR SALE ONLINE.

6 STATION ROAD, STANLEY, CO. DURHAM, DH8 0JL

SHOP OPEN MON-TUES-FRI-SAT OPEN 0930-1700 • THURS 1100-1900 • CLOSED WEDNESDAY AND SUNDAY

TEL: 01207 232545 • www.durhamtrainsofstanley.co.uk • email: sales@durhamtrainsofstanley.co.uk

Strawberry Line Miniature Railway

The Strawberry Line Miniature Railway now features the only gravitational hump yard in the world in miniature railways.

Now Open: Country Park Models

Email: info@strawberryminirail.co.uk • Phone: 0117 9860124 • Mobile: 07960 151286
Britannia House, Avon Valley Country Park, Pixash Lane, Keynsham, Bristol, BS31 1TS



Always looking to bring you the best in
Digital Command Control systems and support

For further details please send a SAE to:

SCC Ltd. PO Box 381, Abingdon SO, OX13 6YB Tel: 01865 730455

Or visit our website at: www.scc4dcc.co.uk Email: info@scc4dcc.co.uk



Vectis
AUCTIONS LTD
COLLECTABLE TOY SPECIALISTS



VISIT THE VECTIS WEBSITE

You will find listings of all our Train auctions from 1999, including all prices realised for any train we've sold over the past decade.

WWW.VECTIS.CO.UK

WALTONSMODELS.CO.UK

Where Will Your Hobby Take You Today?

Figures from £5.20



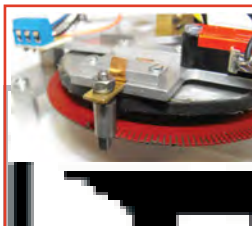
Hornby DCC NMRA decoder only £13.75

Crosfield Chemicals
Limited Edition
3 x Wagons
£29.95



info@waltonsmodeles.co.uk 0161 928 5940

30 Stamford Street, Altrincham, Cheshire, WA14 1EY



NEW Turntable Mechanism

Electro-mechanical indexing (as shown)
ensures accurate positioning.

Speed control and direction.

Use alone or DCC.

Good old fashioned Model Railway Shop
10 High St, Knighton, Powys LD7 1EY

01547
520673

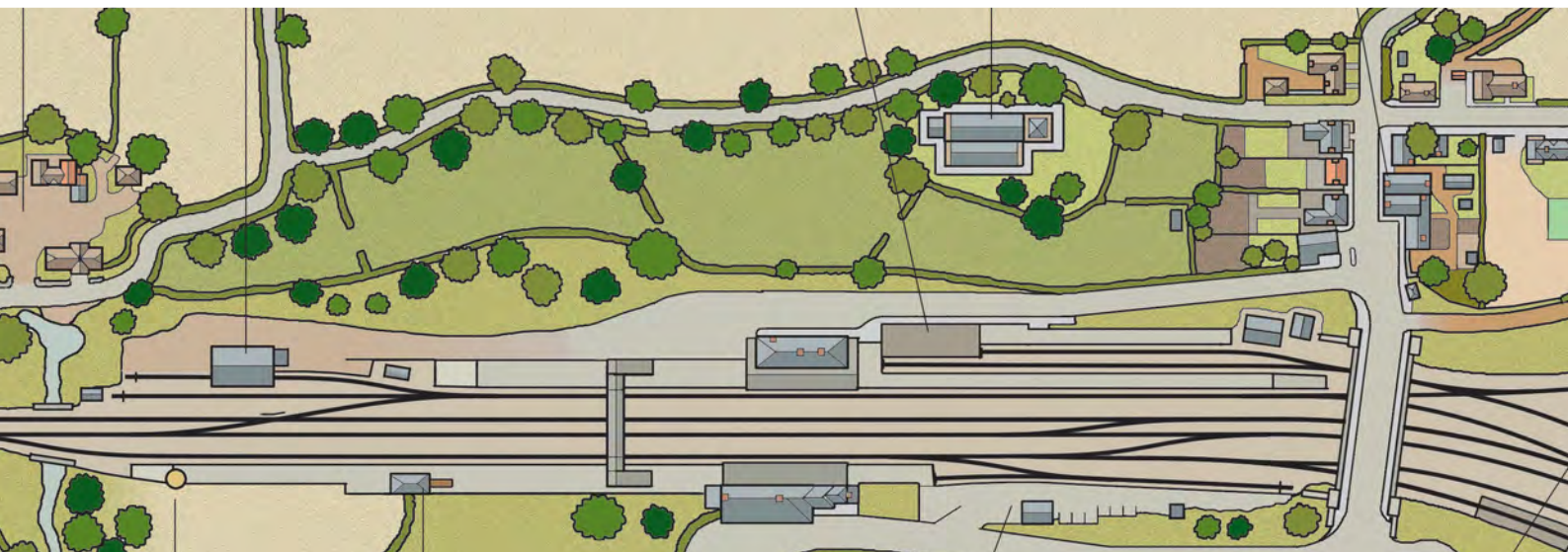
www.Trainstop.co.uk

sales@trainstop.co.uk

Large range of new and old new stock. Check our website or visit our shop.

INTRODUCING... THE BRM TRACKPLAN ARCHIVE

FEATURING OXMINSTER (OO) | TOWER PIER (EM) | OWDHAM CENTRAL (N)



This unique new section of **BRM** will give you the opportunity to build up a useful collection of proven trackplans and layout ideas to inspire your own projects. Here are three diverse plans to get you started.

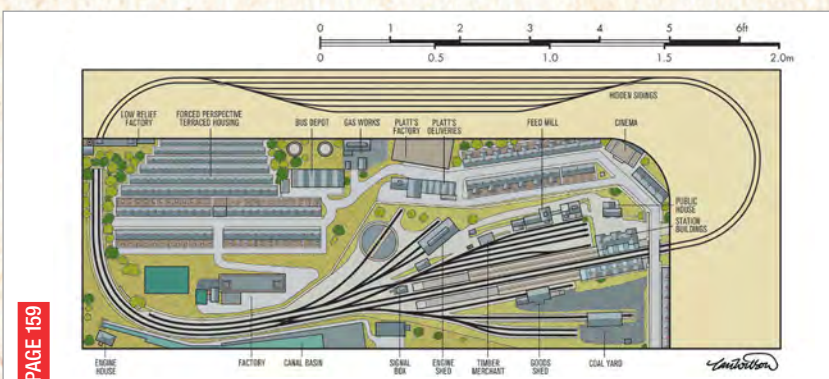
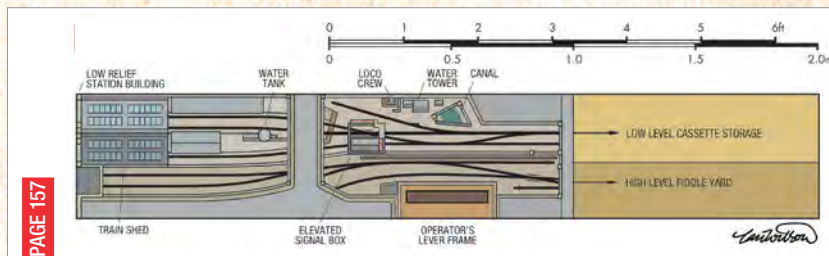
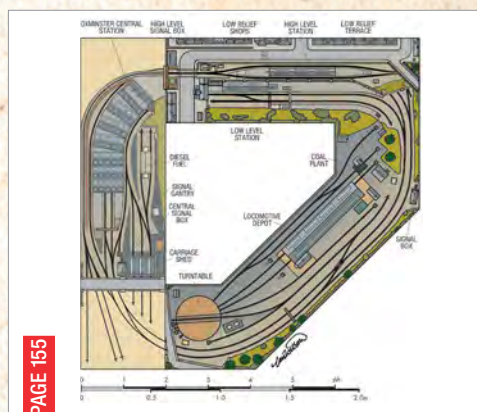
how it works

Every issue of **BRM** will now include at least three trackplans to cut out and keep (or scan/photocopy if you prefer), building into a unique resource for railway modellers. As all the layouts have been built and completed, you can guarantee that they work and fit into the advertised space. We'll bring you model railways of all shapes and sizes, from tiny micro-layouts in boxfiles to giant exhibition layouts, covering all scales, gauges, eras, regions and types of location.

cut out & keep...

...or photocopy these pages to build up your own unique trackplan archive.

155 | OXMINSTER
157 | TOWER PIER
159 | OWDHAM CENTRAL



The ultimate online marketplace

**FREE
TO
REGISTER!**



ARE YOU BUYING?

- 1000s of products available to buy
- Search for everything from hard-to-find accessories to brand new locomotives
- Includes major brands like Hornby, Bachmann, Dapol...
- ...plus more specialist brands to offer the ultimate one-stop-shop!
- Used by private sellers and reputable retailers

OR, ARE YOU SELLING?

- Sell your unwanted products via 'Buy it Now' or 'Auction'
- Easy to list products with up to six images
- Free to list items worth under £30



PLUS WE DON'T TAKE ANY OF THE FINAL SALE PRICE!

www.rmweb-buyandsell.co.uk

SMALL LAYOUT | SOUTHERN REGION 1960s | OO Gauge

OXMINSTER

Stephen Sinden's space-saving layout packs as much action as possible into an area typical of modern spare bedrooms.

Almost every budding layout builder will find that they have a finite amount of space in which to build. This will inevitably limit what can be achieved, but careful planning and design to optimise your space is essential.

Stephen Sinden wasn't happy to pick and choose what he had to have on his layout, preferring a bit of everything British Railways. You might be fooled into thinking that you need a large space to house this style of layout, but take a look at the compact nature of the trackplan overleaf and you'll see that it is possible. Clever use of space has resulted in locomotive sheds, two stations and a carriage shed amongst other items, all squeezed into this 8ft square template. It has most of the elements you'd need for an involving and enjoyable steam/diesel transition era layout.

The vast majority of house rooms are either square or rectangular, hence every layout that spans a full room needs to negotiate four corners. When planning your own layout, don't forget about them. You don't have to have a shed or station on the straight areas of track, instead look at the central station of 'Oxminster' where the station has been pushed back, making full use of an otherwise neglected corner. In doing so, more room has been made for the station approach, at the same time freeing space for a carriage shed.

What this layout lacks in surface area, it makes up for in height. The far end of the room is staged on three tiers, in the foreground a low-level station, behind it the high-level platforms and to the rear of that, an elevated street scene. If you're short of space, extra levels can add further operational potential and help you to get away from the 'flat earth' effect that affects many small layouts.

Adding different levels of height (each increasing with distance), fools the eye into thinking that a layout is actually wider than it is. **BRM**

FACT FILE

- SCALE/GAUGE 4mm:1ft scale, 16.5mm gauge OO
- SIZE 8ft by 8ft
- ERA 1960s
- LOCATION Southern Region
- CONTROL 12V DC
- LAYOUT TYPE Continuous ovals with high-level end-to-end branch.



PROS

- Minimum space, maximum action layout
- More than one station allows for shuttle services
- Enough points to allow different operations
- Clever use of multiple levels

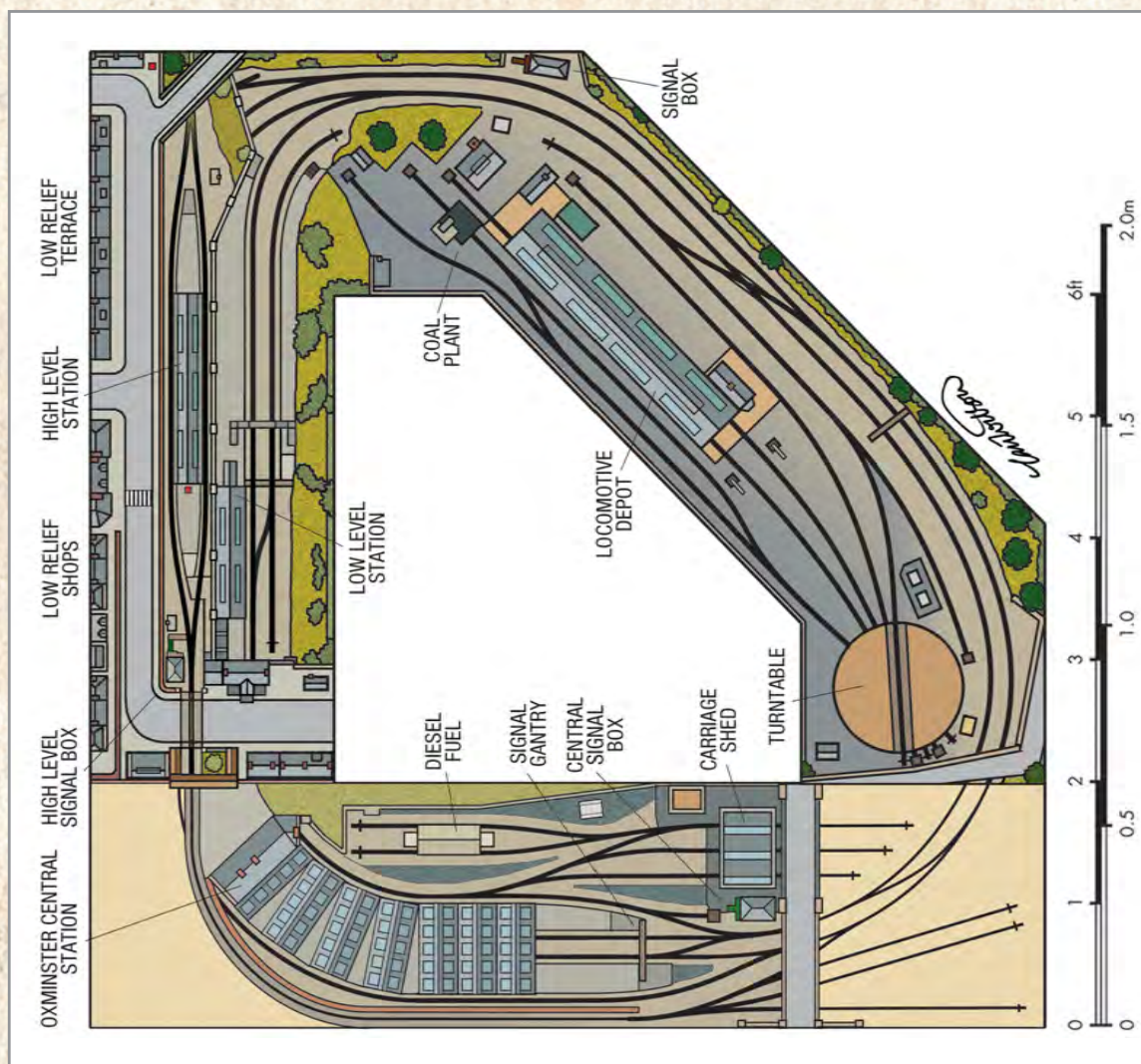
CONS

- Tight scenic space
- Little room for storage both on and off-scene
- Limited room for backdrop scenery
- Beware of tight curve radii

Clever use of space has resulted in this layout having locomotive sheds, two stations and a carriage shed, all in a footprint of just 8ft by 8ft. It has most of the elements anyone needs for an involving and enjoyable steam/diesel transition era layout in OO gauge.

OXMINSTER

ERA 4 GAUGE 00 SIZE S CONTROL DC



SMALL LAYOUT | SOUTHERN REGION 1960s | 00 Gauge



TOWER PIER

Central London is one of the less obvious areas in which to site a station of small proportions. But this compact layout proves that it is possible.

If you are lured by the idea of modelling a railway set in the 'big smoke', then here's one that can get you thinking creatively - Geoff Ashdown's 'Tower Pier'.

Attempting to re-create the inner-city 'muck and grime' of the mid-1950s, when coal fires burned a plenty, the layout is uniformly weathered using sooty tones. It is also very busy architecturally, making the most of every square inch of space. At only 10ft long by 20in wide, the trackplan really does employ the space available on the baseboards to its fullest, placing all other items into a secondary position.

What makes it so appealing? The urban architecture. Correctly weathered bridges and archways built with London brick adorn all sides of the layout, ridding the need for a backscene. Every item on the model has to fight for space. The water tower is sandwiched between the track, a canal, a locomotive crew building and a retaining wall, whilst the signalbox that controls the station entrance is elevated above the rails - its metal frame and stairway being a little different. The short station canopy effectively takes up the most space on this layout, being just under half a metre long in length, but still, it has enough room in width to accommodate two platforms - one even being an island.

What makes London, London? Evidently, the amount of room on this layout is limited, but with some clever design, Geoff managed to incorporate a road bridge, allowing him to place two red buses - a strong hint that this is the London scene and an area not immune to bustling public transport.

'Tower Pier' is built to EM gauge, chosen by a need for the trackwork to fit the surrounding area, rather than let the track dictate the situation and placement of structures and other architectural features. This works for Geoff, but whether or not this fits your specific criteria, only you can decide. **BRW**

FACT FILE

- SCALE/GAUGE 4mm:1ft scale, 18mm gauge EM
- SIZE 10ft by 20in
- ERA 1955
- REGION ER (GN Area)
- LOCATION Central London
- CONTROL 12V DC analogue



PROS

- Compact prototype with track filling almost every square inch
- Very little additional scenery required
- Plenty of rolling stock variety as most BR Regions used these lines, if only for goods
- Easy to run off-scene as the railway is in a cutting.

CONS

- Restricted view due to nature of cutting arrangement
- Little space in which to add additional scenery for variety
- Gritty and grimy - not for those who like pretty scenery!

At only 10ft long by 20in wide, this trackplan really does employ the space available to its fullest, placing all other items into a secondary position. Every item on the model has to fight for space, just as it would in a real urban environment.

ERA

GAUGE

SIZE

CONTROL

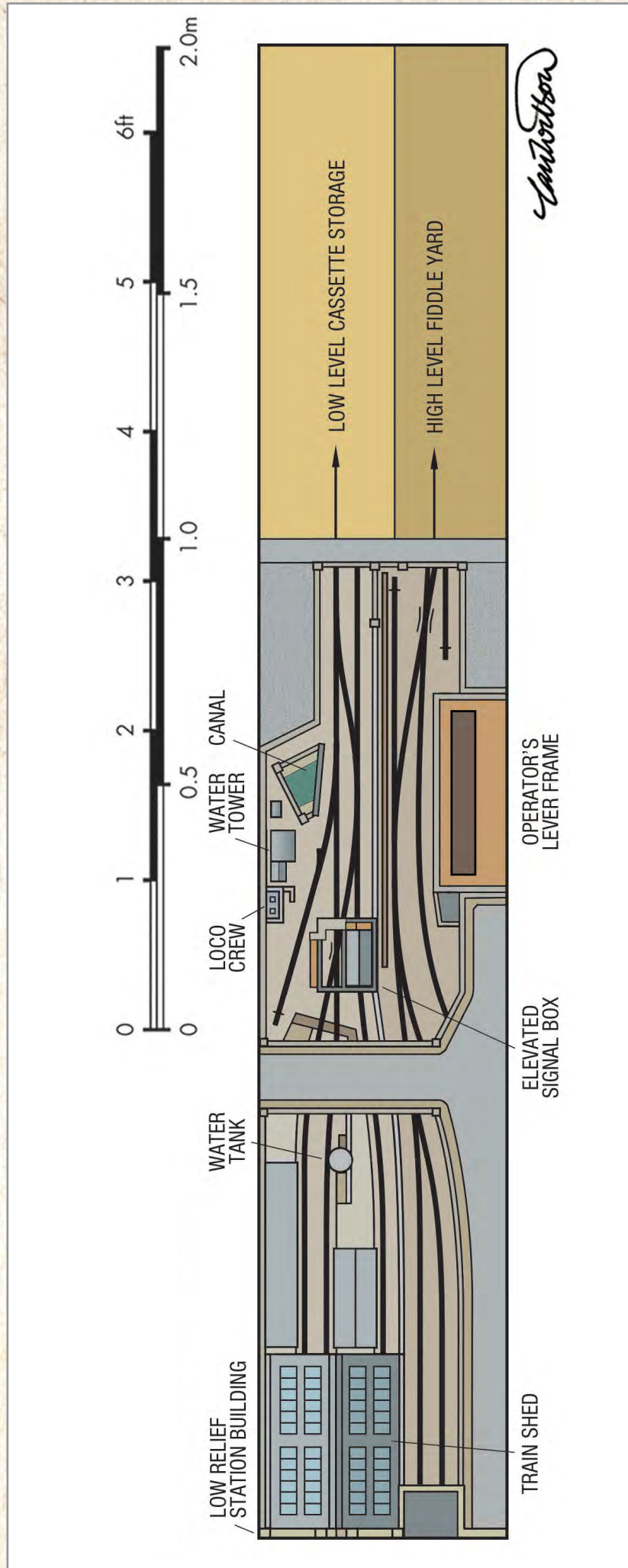
4

EM

S

DC

TOWER PIER 1955



SMALL LAYOUT | BR EASTERN REGION 1955 | EM Gauge



OWDHAM CENTRAL

N is the scale of choice for a layout that focuses on the bigger picture of railways in the landscape. But what if you want to achieve more?

So much can be achieved in the smaller scales, on both architectural and scenic levels. Elements that would otherwise have to be omitted due to their size or sheer intricacy in scales from OO upwards needn't be when you're working in 1:148 scale - that is what attracts many modellers to it. However, you can go further and decide to fit more on a layout than the scale or space provided will usually allow.

A technique that's becoming increasingly popular is the use of forced perspective - using multiple scales that decrease the further away they are from the viewing point. This offers the viewer an impression that the model is in fact larger than it actually is.

Like most modelling techniques, it needs to be used in the right situation.

On a layout measuring no more than 1ft in width, for example, there is little to be gained. 'Owdham Central' however, at 4ft in width, is the perfect candidate and here it has been used to full effect. You'll see from the photograph that the rows of houses seemingly 'disappear' the further away they are. The first row of houses has been modelled at 2mm:1ft, but the rows decrease in scale progressively until the furthest row is at a scale of just 0.75mm:1ft. Looking at it from the front, you'd never guess!

Having smaller buildings to the rear helps the transition between three-dimensional objects and two-dimensional photographic backscene. You may notice that the colours darken in tone gradually towards the rear of the layout. This takes into account how you would most likely see them through the industrial smog. You'll also note that the backscene has a faded haze.

Despite depicting an industrial town, the quantity of scenic materials used is quite surprising. Undeveloped or unkempt areas that have been neglected over the years are plentiful, from the vegetation creeping over the motive depot's retaining walls to the land surrounding the mill pond, this layout is surprisingly green. **BRM**

FACT FILE

- SCALE/GAUGE 2mm:1ft scale, 9mm gauge N
- SIZE 10ft by 4ft
- ERA Late-1950s
- LOCATION LMR, Lancashire
- CONTROL DCC
- LAYOUT TYPE Continuous loop
- PHOTOGRAPHY John de Freyssonet



PROS

- A lot of track and detail in a smaller space
- Good use of forced perspective modelling
- A well-balanced layout with enough elements to justify different operations

CONS

- More could be done with the space to the right of the layout
- Gritty industrial scenes require more intensive modelling

A densely-packed industrial town is the perfect candidate for using forced perspective techniques to create a feeling of greater space.

ERA

GAUGE

SIZE

CONTROL

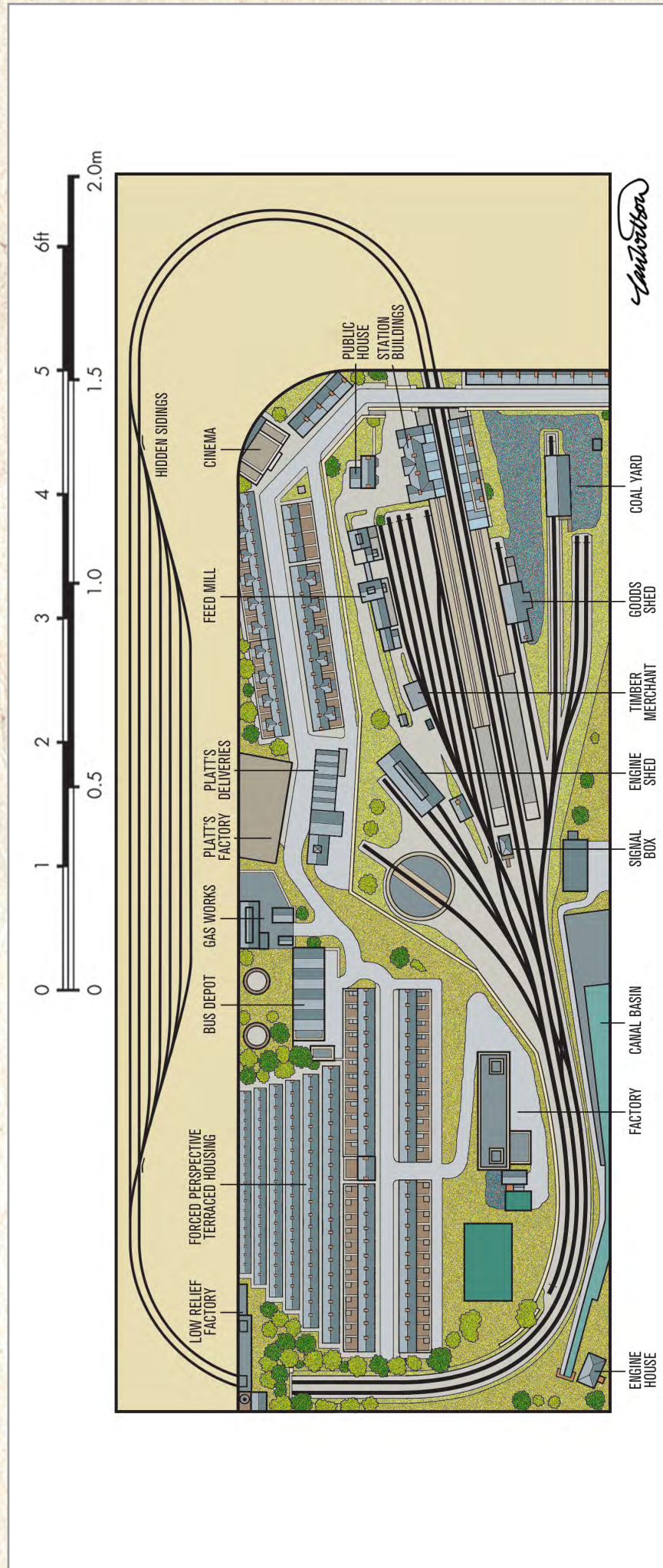
4

N

M

DOC

OWDHAM CENTRAL



MEDIUM LAYOUT | LONDON MIDLAND REGION 1950s | N Gauge



BRM

NEXT MONTH

ON SALE
JANUARY 7TH!

PRACTICAL
BRM



- ▶ Create a celebrity 'Deltic' in N
- ▶ Build your first brass locomotive kit
- ▶ Scratchbuild a Station Canopy
- ▶ Assemble Your Free Building Kits

MAIN LINE MAGIC

'Horfield' is a spotters paradise; a four-track main line with a constant procession of WR trains from the 1955-61 period. Don't miss it!

THREE
bonus
trackplans
to collect!



ALSO FEATURING:

'Kirkwood' (O) and
'Croydon North Street' (OO)



FREE BUILDING KITS FOR EVERY READER!

DON'T MISS THE NEXT IN OUR SUPERB NEW SERIES OF MODELLING STARTER KITS!

- **WARLEY NEC SHOW REPORT**
- **HISTORICAL RESEARCH FOR LAYOUTS**
- **ALL THE LATEST NEWS & REVIEWS**

ALL THIS AND A FREE
DVD FOR JUST £4.50!

TAIL LAMP



I consider myself very lucky to have been born in the time I was. I missed the rationing of the post-war years - just - and my parents did not appease my occasional tantrums by plying me with sweets or sitting me in front of a television. They just left me alone to get on with it. Amusing oneself was what you did when I was younger, by playing football in the park or entering the Saturday morning pictures as a normal seven-year-old and emerging a couple of hours later as a swashbuckling buccaneer. Life, as they say was much simpler then.

The model railway bug first bit me when I was invited to a friend's house to see his train set.

His father had hinged the layout board to my friend's bedroom wall so that it could be stored in a vertical position but the support legs dropped vertically when it was lowered and 'hey presto' all was ready. I was absolutely bowled over by it.

Thinking back, the layout was simply two ovals with a couple of sidings and an assortment of buildings but to me then the whole thing looked magical. My friend soon had a couple of trains running around, one small goods train pulled by a little red locomotive while the other was a large American type passenger train with a big headlight on the front. We watched those trains go round and round and I was thoroughly mesmerised. I thought the whole thing was wonderful and I was captivated.

When I got home I told my parents what I had seen and excitedly told them all about the trains, the track and how my friend's Dad had fixed the board to the wall so it did not take up any space in the bedroom. I finished by adding that I really, really wanted a train set for Christmas. I was reminded that it was only July, but both parents said that they would think about it, which was adult speak for; 'We will see if he feels the same way in November'.

As it happened I did feel the same way and come Christmas morning I got my wish and received a wonderful *Princess Elizabeth* train set. Admittedly it was secondhand but did I worry about that? Not a chance.

From then on my love for model trains grew until I entered the years of clubs, cars and girlfriends, at which point I sold the lot to buy my first car.

So why do I believe that I am lucky to be born when I was? Well, consider this. How many children do you know aged eight or nine who place a model railway at the top of their Christmas wish list?

Today they are more inclined to demand the latest smartphone or the current 'must have' gaming console rather than a Hornby 'Flying Scotsman' set.

There will be those who will disagree and say they know children who are 'mad keen on trains' but as I was told the other day 'One swallow does not a summer make'. So to answer my own question, if I were a child today the chances are slim that I would see or understand the wonderment of model railways.

Much is said about attracting youngsters to the hobby and has been for decades but to what effect? None, absolutely no effect whatsoever! If you do not believe me have a good look the next time you are at an exhibition and estimate the average age of those around you. No better still, count the youngsters and you will struggle to get to double figures at the average club show.

Perhaps we should stop kidding ourselves. Model railways are now the preserve of the middle aged and above. There is nothing in our hobby that is attractive to the vast majority of youngsters and as much as we may argue the point, perhaps it is time that we face facts and stop kidding ourselves. All things must pass, so what makes modelling railways any different?

Merry Christmas!

Is it time for us to face up to the fact that model railways are now a predominantly adult pastime?

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

We would like to wish all our customers a
VERY MERRY CHRISTMAS
and a
HAPPY NEW YEAR



'N' releases in December

Class 56



2D-004-000 - Class 56 Load Haul Black & Orange Ferrybridge 56006
2D-004-000D - Class 56 Load Haul Black & Orange Ferrybridge 56006 DCC
2D-004-001 - Class 56 Red Stripe Railfreight Grey 56019
2D-004-001D - Class 56 Red Stripe Railfreight Grey 56019 DCC
2D-004-002 - Class 56 Triple Grey Construction Sector Livery 56001

2D-004-002D - Class 56 Triple Grey Construction Sector Livery 56001 DCC
2D-004-003 - Class 56 BR Blue Livery 56022
2D-004-003D - Class 56 BR Blue Livery 56022 DCC
2D-004-004 - Class 56 Triple Grey Coal Sector Livery 56016
2D-004-004D - Class 56 Triple Grey Coal Sector Livery 56016 DCC



2F-038-031 - 20T Steel Mineral - BR B315752
2F-038-032 - 20T Steel Mineral - BR B315752 Weathered

All product release dates correct at time of going to press

'OO' releases in December

Class 73



4D-006-003 - Class 73 BR Blue 73135
4D-006-005 - Class 73 Early Blue with SYP & Double Arrow Logo E6039
4D-006-006 - Class 73 Dutch Yellow & Grey Civil Engineers 73138
4D-006-007 - Class 73 Lisa GB Railfreight Blue / Yellow 73206

Also available as
DCC
and
DCC + Sound

Also released this month include;



4F-034-108 - 21T Hopper - Simpson 78
4F-034-109 - 21T Hopper - Simpson 78 Weathered

4F-052-029 - 5 Plank 9FT W/B - Marshall 5
4D-052-030 - 5 Plank 9FT W/B - Marshall 5 Weathered
4F-071-124 - 7 Plank - Treoch Granite
4F-071-125 - 7 Plank - Treoch Granite Weathered
4P-010-041 - 57FT Stanier Non Corridor Comp BR Maroon Lined M19185M
4P-010-042 - 57FT Stanier Non Corridor Brake BR Maroon Lined M25255M
C099D - 57FT Stanier Non Corridor Comp BR Maroon Lined M19185M
C100D - 57FT Stanier Non Corridor Brake BR Maroon Lined M25255M

APPROVED

DAPOL ★ GOLD ★
STOCKISTS



The following retailers carry stocks of all new monthly products

ALTON: **Alton Models** tel: 01420 542244
ARUNDEL: **Gaugemaster** tel: 01903 884321
AXMINSTER: **Buffers Model Railways** tel: 01297 35557
AYLSHAM: **Bure Valley Railway** tel: 01263 733858
BARROW IN FURNESS: **Crafty Hobbies** tel: 01229 820759
BIDEFORD: **Osborn's Models** tel: 01237 423453
BRISTOL: **Model Railways Direct** tel: 01275 774224
BURTON-ON-TRENT: **The Tutbury Jinny** tel: 01283 814777
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




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
364-368 Smithdown Road
Liverpool, L15 5AN


Phone opening times Shop opening times
 Mon to Fri **7am-8.30pm** Mon to Sat **9am-5pm**
 Sat **7am-6pm** Sun **10am-4pm**
 Sun **9am-5pm**


	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 43 NBL Warship	ehattons.com/c43	£118.96	Mar 2013							
Hawthorn Autocoaches	ehattons.com/hac	£58.61	Mar 2013							
Wickham trolley car	ehattons.com/wtc	£67.96	Mar 2013							
Class 90 Electric	ehattons.com/c90	£119.00 (EST)	Jul 2014							
LNWR Webb coal tank	ehattons.com/wct	£102.00 (EST)	Sep 2014							
Class 117 3-Car DMU	ehattons.com/c117	£170.00 (EST)	Sep 2015							
Class 121 "Bubble Car"	ehattons.com/c121	£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


	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 73	ehattons.com/c73	£105.00	March 2012							
Class 68	ehattons.com/c68	TBC	April 2014							

GWR Railcar, Class B4, IDA flat, Turbot - view these projects at www.ehattons.com/projectupdates


	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
J94	ehattons.com/j94	£82.00	Aug 2014							
14xx	ehattons.com/14xx	£99.00	Sep 2014	Feb 2015						
Hatton's King	ehattons.com/king	£169.00- £179.00	Aug 2014	Nov 2014						


	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Metropolitan Bo-Bo	ehattons.com/mbb	£107.00	May 2014							
Class 02 Tango	ehattons.com/02	£148.00	Nov 2013							

Class 4700, Class 1366 - view these projects at www.ehattons.com/projectupdates

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class S15	ehattons.com/s15	£124.99	Dec 2014							
King	ehattons.com/horking	£148.14 - £179.99	Dec 2014							
Hornby Adams Radial	ehattons.com/horar	£111.10	Dec 2014							
Class J50	ehattons.com/j50	£74.06	Dec 2014							
Class 71	ehattons.com/c71	£127.50	Nov 2014							
Merchant Navy	ehattons.com/mn	TBC	Mar 2015							
SR Maunsell Coaches	ehattons.com/exsmaun	£39.99	Jun 2015							

Collet coaches - view these projects at www.ehattons.com/projectupdates

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
7 plank wagons	ehattons.com/oxcw	£9.00	Jan 2015							
Adam's Radial	ehattons.com/ar	£88.00	Jan 2015							
Hatton's ICI hopper	ehattons.com/ici	£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

Information correct at the time of going to press. All information subject to change