

**TWO
FREE GIFTS!**

DVD + MINI-MAG

BRM

BRITISH RAILWAY MODELLING

MAY 2015 | £4.25

FIRST REVIEW



BACHMANN 'MODIFIED HALL'

CORNISH CREAM

**BODMIN NORTH: RECALLING THE
'WITHERED ARM' IN 7mm SCALE**



**EXCLUSIVE
INTERVIEW &
2015 RANGE**

PRACTICAL BRM

- ▶ **REVAMP SECONDHAND BUILDINGS - SAVE £££££**
- ▶ **MODELLING EASTFIELD 'WHITE STRIPE' CLASS 37s**
- ▶ **BUILD YOUR OWN POINTS**

MAY 2015 | £4.25
www.model-railways-live.co.uk
9 770968 076195
05
DISPLAY UNTIL MAY 8TH 2015

REVIEWS: HELJAN 'B TANK' & OAA | ZTC 611 | BR GRAIN HOPPER



Here come the Halls...

31-780 Modified Hall Class, BR Lined Green, Late Crest, No.6988, 'Swithland Hall'

8 DCC **5** ERA

- Authentic plate frame bogies
- Hawksworth or Collett tender option
- Copper capped chimney
- Mixed traffic locomotive
- 8 pin DCC socket
- Preserved & weathered models available



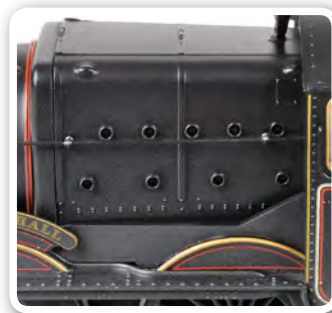
Authentic plate framed bogie



Intricate cab detailing



Detailed Hawksworth tender



Optional representation of tool rest

Also Available:

31-781 Modified Hall Class, BR Lined Black, Early Emblem, No.7903, 'Foremarke Hall'

P **8** DCC **4** ERA

31-782 Modified Hall Class, BR Lined Green, Late Crest, No. 6965, 'Thirlestaine Hall'

W **8** DCC **5** ERA

31-783 Modified Hall Class, BR Lined Black, Early Emblem, No.7904, 'Fountains Hall'

W **8** DCC **4** ERA

Era **4** = 1948 - 1956, Era **5** = 1957 - 1966. **W** a model with weathering effect applied.

8 DCC features 8 pin DCC Socket. **P** a prototype that has survived to preservation

DISCOUNT 'O' GAUGE

TOWER BRASS LOCOMOTIVES

R.T.R in unpainted brass/factory painted	
GWR/BR King.....	£900.00
GWR/BR Railcar 19-33.....	£550.00
GWR/BR Parcels Railcar No.34.....	£550.00
GWR 14xx Late black chassis.....	£525.00
GWR/BR 4575 Prairie black chassis.....	£650.00
GWR 1361 Early black chassis.....	£525.00
GWR/BR 1361 Late black chassis.....	£525.00
LY/LMS/BR Pug black.....	£450.00
LNER/BR J39 0-6-0 black.....	£925.00
GWR/BR 8750 Pannier black chassis.....	£525.00

TOWER BRASS COACHES

Fully assembled in unpainted brass	
BR Suburban all 2nd or Compo.....	£215.00
GWR/BR Collett D127 brake 3rd.....	£235.00

SAN CHENG R-T-R BRASS LOCOS

In basic factory paint finish

GWR/BR 4-6-0 Hall Green.....	£1350.00
BR 4-6-0 Hall Black.....	£1350.00
SR 4-4-0 Schools Olive.....	£1300.00
SR 4-4-0 Schools Malachite.....	£1300.00
LNER/BR V2 2-6-2.....	£1400.00
GWR/BR Manor.....	£1400.00
LNER/BR B1 black late tender.....	£1400.00
GWR City of Turro.....	£1350.00
LNER/BR J50 Black.....	£675.00
GWR/BR Grange (2 versions).....	£1400.00

FULLY FINISHED R-T-R LOCOS

LMS/BR Royal Scot 4-6-0.....	from £1575.00
LMS/BR Jubilee 4-6-0.....	from £1625.00
L&Y/LMS/BR Pug 0-4-0T.....	from £525.00
GWR/BR 48xx/14xx Autokt 0-4-2T.....	from £695.00
GWR/BR 1361 0-6-0.....	from £695.00
GWR/BR 8750 Pannier tank.....	from £695.00
GWR/BR 4575 Prairie tank.....	from £895.00
GWR/BR King 4-6-0.....	from £1235.00
GWR/BR Castle 4-6-0.....	from £1535.00
GWR/BR Hall 4-6-0.....	from £1575.00
GWR/BR Razor Edge railcar.....	from £810.00
GWR/BR Parcels railcar.....	from £785.00
SR/BR Schools 4-4-0.....	from £1525.00
LNER/BR J39 0-6-0.....	from £1110.00
LNER/BR V2 2-6-2.....	from £1625.00
GWR/BR Manor.....	from £1625.00
LMS/BR Original Patriot.....	from £1625.00
GWR City of Turro.....	from £1545.00
GWR/BR Grange.....	from £1585.00
LMS/BR Black Five.....	from £1625.00
LNER/BR B1.....	from £1625.00

Over 100 R-T-R locos available off the shelf

SLATERS LOCO KITS

7L002 G.W.R. 28xx Curved frame.....	£473.00
7L003 G.W.R. 28xx Square frame.....	£473.00
7L005 M.R.L. M.S. Flatiron.....	£368.25
7L006 MR/L. MS Johnson Halifax.....	£322.00
7L007 M.R.L. M.S. Johnson Kirkcaldy.....	£438.00
7L009 C.V. Industrial Pug.....	£223.99
7L011 M.R.L. M.S. Johnson 1262 0-4-4T.....	£351.50
7L014 M.R.L. M.S. Dealey Com 4-4-0.....	£464.00
7L015 G.W.R. Saint Curved frame.....	£473.00

GLADIATOR LOCO KITS

GTR20 L.M.S./B.R. Princess.....	£395.00
GTR21 L.M.S./B.R. Rebuilt Royal Scot.....	£325.00
GTR24 LMS/BR Original Patriot.....	£315.00
GTR50 L.N.E.R./B.R. Garratt 2-8-8-2.....	£595.00
GTR52 LMS/BR 8F & rivetted trailer.....	£305.00
GTR63 LNER/NER Y8 0-4-0T.....	£371.00
FT9 NER/LNER G6 (BTP).....	£195.00

JAVELIN LOCOMOTIVE KITS

JKL3 G.W.R. Dukedog 4-4-0.....	£305.00
JKL5 G.W.R. Dean Goods 0-6-0.....	£295.00
JKL7 S.E.C.R. Wainwright C 0-6-0.....	£305.00
JKL11 LMS/BR Black 5 long firebox.....	£345.00

MERCIAN LOCO KITS

LNW7 LNWR Webb 2-4-2T.....	£180.00
SG5 LNER/BR J94 0-6-0T.....	£180.00
GW2 GWR/BR 14/58xx 0-4-2T.....	£175.00
DL1 LMS Armstrong Whitworth 0-6-0DE.....	£175.00
DL6 LMS/BR 350HP 0-6-0 (7080-7119).....	£175.00

TOWER COLLECTION (D.J.H.) BEGINNERS KITS

Includes wheels, gears and motor

TC1 Class 02 0-4-0 Diesel Shunter.....	£225.00
TC3 Andrew Barclay 0-4-0 Steam Shunter.....	£225.00

TOWER COLLECTION LOCO KITS

Require wheels, gears and motor

TC6 LMS/BR Sir William Stanier.....	£495.00
TC16 LMS/BR Duchess Sloping firebox.....	£495.00

D.J.H. LOCO KITS

K300 B.R. Standard 84xx 2-6-2T.....	£330.00
K301 B.R. Standard 2MT 2-6-0.....	£386.00
K302 LMS/BR Ivatt 2-6-2T.....	£330.00
K310A LNER/BR A3 with Corridor tender.....	£556.00
K317B BR Britannia with BR1/1A tender.....	£556.00
K324B B.R. 9F 2-10-0 BR1B/BR1C.....	£556.00
K336 LNER/BR R. Peppercorn A2.....	£510.00
K338 LNER/BR R. G5 0-4-0T.....	£371.00
K340 B.R. Class 14 complete kit.....	£371.00

HELMSSMAN CONTROLLERS

CFS5 Sump Single Controller.....	£135.00
RM5 Remote handset for above.....	£40.00

PECO WAGON KITS

W601 GWR Toad brake can.....	£36.95
W602 GWR Permanent Way brake.....	£36.95
W603 GWR 6 wheel brake.....	£38.70
W604 GWR 4 plank open.....	£30.90
W605 GWR Steel Open.....	£30.90
W606 GWR 10 ton Van.....	£37.80
W607 BR 16 ton Mineral wagon.....	£38.70
W608 BR 27 ton Iron Ore wagon.....	£37.80
W609 BR 20 ton Pig Iron wagon.....	£37.80

PECO LINESIDE KITS

LK704 Wooden lineside hut kit.....	£18.15
LK705 Brick lineside hut.....	£18.15
LK709 Ground Level Signal Box.....	£26.00
LK735 GWR Yard Crane.....	£19.50
LK741 GWR spear fencing.....	£10.00
LK742 GWR spear fencing ramps.....	£10.00
LK743 Field fencing and gates.....	£9.00
LK744 Concrete fencing.....	£8.40
LK747 Telegraph Poles.....	£5.60
LK748 Ladders.....	£3.70
LK749 Loading Gauges (2).....	£11.35
LK750 Single track level crossing gates.....	£18.40
LK758 Platelayers tools.....	£6.80
LK790 GWR home or distant signal.....	£17.00

PECO 'O' GAUGE TRACKWORK

SLE786BH Curved R/H Point.....	£50.00
SLE787BH Curved L/H Point.....	£50.00
SL700BH 12 yards flexitrack.....	£72.50
SLE791BH Right Hand Point.....	£39.50
SLE792BH Left Hand Point.....	£39.50
SLE797BH Y Point.....	£39.50
SLE790BH Double Slip.....	£83.50
SL10 24 metal railjoiners.....	£2.55
SL11 12 insulated railjoiners.....	£2.55
SL740BH Buffer stop.....	£2.55
TP1 Long Track pins (15mm).....	£2.99
ST700 Box (6) 393mm straight.....	£40.50
ST725 Half circle 1028mm radius curves.....	£43.75

PARKSIDE WAGON KITS

PS14 B.R. Grampus Ballast.....	£30.50
PS16 L.N.E.R. Loco Coal Wagon.....	£30.50
PS17 B.R. 12 ton Pipe Wagon.....	£30.50
PS23 G.W.R. 13 ton Open Wagon.....	£30.50
PS24 G.W.R. 12 ton Unfitted Van.....	£30.50
PS25 B.R. 24 1/2ton Mineral.....	£30.50
PS26 G.W.R. 12 ton Fitted Van.....	£30.50
PS27 G.W.R. 12 ton Open Tarp.....	£30.50
PS28 G.W.R. 12 ton Plywood Van.....	£30.50
PS29 G.W.R. Fruit Van.....	£30.50
PS30 B.R. 16ton Mineral.....	£30.50
PS31 B.R. 16ton Slope Sided Min.....	£30.50
PS32 B.R. 16ton Min (S.N.C.F).....	£30.50
PS33 B.R. 8 Plank Mineral.....	£30.50
PS34 G.W.R. Mogo.....	£30.50
PS35 G.W.R. Plywood Mogo.....	£30.50
PS38 B.R. Sand Wagon.....	£30.50
PS42 L.M.S. 12ton Open.....	£30.50
PS45 L.N.E.R. 12ton Van.....	£30.50
PS46 L.N.E.R. 12ton Fruit Van.....	£30.50
PS47 G.W.R. Loco Coal Wagon.....	£30.50
PS48 G.W.R. Tevan.....	£30.50
PS49 G.W.R. Mica Van.....	£30.50
PS100 SR Banana Van.....	£30.50
PS101 SR Meat Van.....	£30.50
PS104 NEW BR 21ton Coal Hopper.....	£30.50
PS106 LNER/B.R. fitted cattle track.....	£30.50
PS107 NEW S.R. Cattle Truck.....	£30.50
PS108 LNER/BR rivetted hopper wagon.....	£30.50
PS110 SR/BR Insulated Van.....	£30.50
PS112 LMS/LNER/BR Gunpowder Van.....	£30.50

Any six above for £152.65

Save 25% off R.R.P.

PS39 G.W.R./B.R. Conflat & Load.....	£35.90
PS40 L.M.S./B.R. Brake Van.....	£35.90
PS44 G.W.R./B.R. Toad.....	£35.90
PS103 NEW S.R. brake van.....	£35.90
PS111 M.R./L.M.S. brake van.....	£35.90
PS113 NEW LNER/BR Toad brake van.....	£35.90

Any six above for £179.55

Save 25% off R.R.P.

PS01 N.B.R./L.N.E.R. Jubilee Coal.....	£29.25
PS02 N.B.R./L.N.E.R. Box Van.....	£29.25
PS03 L.N.E.R. 7 Plank Open.....	£29.25
PS04 L.N.E.R. 12T Van.....	£29.25
PS05 L.N.E.R. Cattle Van.....	£29.25
PS06 L.N.E.R. 4 Plank Open.....	£29.25
PS07 L.M.S. 12T Van.....	£29.25
PS08 L.M.S. Beer Van.....	£29.25
PS09 L.M.S. Vent Van.....	£29.25
PS10 L.M.S. Van with steel ends.....	£29.25
PS11 L.N.E.R. 6 plank open.....	£29.25
PS12 S.R. 8 plank open.....	£29.25
PS13 S.R. Elliptical roof van.....	£29.25

Any six above for £146.25

Save 25% off R.R.P.

PS36 LNER 12T Fish Van.....	£35.00
PS37 LNER/BR 10T Fish Van.....	£35.00
PS102 Blue Spot Fish Van.....	£35.00

Any six above for £175.05

Save 25% off R.R.P.

PS105 NEW G.W.R./B.R. Horse Box.....	£47.25
PS109 NEW LNER Horse Box.....	£47.25

Buy six horseboxes for only £236.25

H.M.R.S. TRANSFERS

H1 L.M.S. gold loco and coach.....	£20.00
H2 L.M.S. yellow loco and coach.....	£20.00
H2A L.M.S. black style/Crewe loco.....	£20.00
H3 L.M.S. loco lining.....	£20.00
H3A L.M.S. coach lining.....	£20.00
H4 L.N.E.R. green loco and coach.....	£20.00
H4A L.N.E.R. black loco and Gill Sands.....	£20.00
H5 L.N.E.R. loco lining.....	£20.00
H6 L.M.S. goods wagon lettering.....	£18.50
H7 G.W.R. loco and coach lettering.....	£20.00
H8 G.W.R. loco and coach lining.....	£20.00
H9 S.R. Maunsell loco and coach lettering.....	£20.00
H10 S.R. Bulleid loco and coach lettering.....	£20.00
H11 G.W.R. goods wagon lettering.....	£18.50
H12 L.N.E.R. goods wagon lettering.....	£18.50
H13 S.R. goods wagon lettering.....	£18.50
H14 BR steam loco and coach lettering.....	£20.00
H15 BR blue diesel and coach lettering.....	£18.50
H16 LNWR/WGJS loco coach & wgn.....	£21.00
H17 LTSR/MR/SD/LY/MCR gds lettering.....	£20.00
H18 N.E.R. loco and coach lettering.....	£21.00
H20 CB/NB/GSWR/HR/GNSR wgn lettering.....	£20.00
H22 B.R. mixed traffic/L.N.W.R. loco lining.....	£20.00
H24 MR/SDJR/LTSR/MGN loco & coach.....	£21.00
H25 B.R. pre-TOPS wagon numbers etc.....	£18.50
H26 B.R. pre-TOPS wgn instructions etc.....	£18.50
H31 Pullman crests, names and numbers.....	£21.00
H32 Pullman lining.....	£18.50
H40 G.N.R. coach lettering.....	£21.00

SLATERS PARCEL VANS

7C020 SECR/SR PLV/GUV.....	£75.00
7C021P SR bogie van B.....	£119.25
7C022 SR 4 wheel BY.....	£75.00
7C019 MR slatted milk van.....	£73.95
7C030 GWR siphon dia 05/06.....	£73.95

SLATERS WAGONS, VANS AND TANKERS

7011 GWR 5 plank with sheet rail.....	£29.50
7012 GWR 7 plank open.....	£29.50
7013 GWR 4 plank open.....	£29.50
7014 GWR iron loco coal.....	£29.50
7015 GWR 3 plank open.....	£29.50
7016 GWR 1 plank.....	£29.50
7023 LMS Cattle wagon.....	£34.50
7024 MR/LMS 10 ton van.....	£32.65
7024F MR/LMS 10 ton fruit van.....	£32.65
7025 MR/LMS 8 ton fruit van.....	£28.90
7026 MR/LMS coke wagon.....	£27.85
7029 MR/LMS 3 plank open.....	£27.85
7030 MR/LMS cattle wagon.....	£28.95
7042 LNER/BR 20 ton hopper.....	£31.25
7042A LNER/BR Alumina wagon.....	£35.75
7051 MR sleeper wagon.....	£27.85
7052 LMS 7 plank loco coal.....	£31.20
7054 GWR cattle wagon.....	£38.50
7052 MR/LMS 10 ton brake van.....	£30.30
7033 LNER/BR 20 ton brake van.....	£44.65
7034 MR/LMS 6 wheel brake van.....	£46.10
7053 LMS/BR 20 ton brake van.....	£46.10
7039 Rectangular tar tank.....	£28.95
7056 14 ton petrol tank.....	£44.65
7073 LMS 3000 Gal milk tank.....	£54.20
7074 LMS 2000 Gal milk tank.....	£54.20
7075 GWR twin milk tank.....	£54.20
7076 GWR 300 Gal milk tank.....	£54.20

SLATERS PRINTED P.O. WAGONS

7035D Arthur Day (Swindon).....	£34.00
7035M Thomas Meakins (Dorking).....	£34.00
7035MH Morris Holloway (Hereford).....	£34.00
7035T WH Thane (Leamington).....	£34.00
7035W W.Woodley (Oxford).....	£34.00
7036C Caebryn Collieries (Llandiedie).....	£34.00
7036P Thomas Pascoe (Swansea).....	£34.00
7036UN United National (S.Wales).....	£34.00

SLATERS BR WAGONS AND VANS

7062 B.R. 12ton Vanwide.....	£35.85
7063 B.R. Standard Van.....	£35.85
7064 B.R. 12ton Standard/Flat Van.....	£35.85
7065 B.R. Meat Van.....	£35.85
7066 B.R. Insulated Van.....	£35.85
7067 B.R. 13 ton conflat 'A'.....	£31.70
7069 B.R. Lowlift Wagon.....	£31.70
7070 B.R. 12 ton Palvan.....	£35.85
7071 B.R. 13 ton High Goods Wagon.....	£31.70

BACHMANN SCENECRAFT BUILDINGS

47003 Cattle Dock.....	Special offer £25.00
47040 Diesel Refuelling Point.....	£39.95
47047 Hampton Hill Platelayers Hut.....	£24.95
47202 Low Relief Terraced Houses.....	£39.95
47203 Low Relief Corner Shop.....	£25.95
47004 Provender Store.....	Special offer £30.00
47009 Single Engine Shed.....	Special offer £60.00
47036 Sectional Lineside Hut.....	£20.50

NEW HORNBY O GAUGE BUILDINGS

Fully assembled and painted

99080 Great Northern Station.....	£80.00
99081 Station Waiting Room.....	£55.00
99082 Platform Mounted Signal Box.....	£50.00
99085 Platelayers Hut.....	£22.50
99086 Great Northern Signal Box.....	£55.00
99087 Great Northern Water Tower.....	£37.50

All the above can be seen on our website.

NEW LIMITED EDITION DAPOL WAGONS

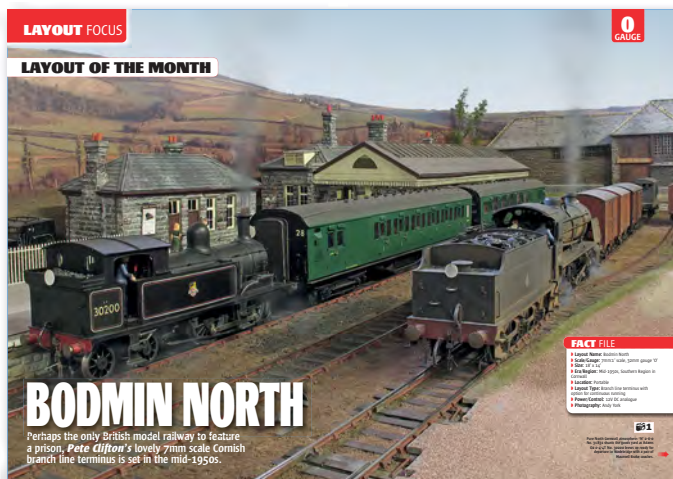
EXCLUSIVE TO TOWER MODELS ONLY 100 OF EACH	
Birmingham Railway Carriage and Wagon	
Gloucester Railway Carriage and Wagon	
Edward Eastwood Railway Wagon Works	
Lincoln Wagon and Engine Works	
R.Y. Pickering Carriage and Wagon	
Metropolitan Railway and Wagon	
Joshua Grey (Howarth)	
R. Fred Cole (Gloucester)	
South Wales and Cannock (Worcester)	
Ruabon (Ruabon)	
Wood and Co (London)	
Osbourne and Son (West Ham)	
All £40.00 end or any six for £225.00	

DAPOL READY TO RUN WAGONS

BR 5 plank open wagon	
BR 7 plank open wagon	
BR 8 plank open wagon	
GWR 5 plank open wagon	
GWR 7 plank open wagon	
LMS 7 plank open wagon weathered	
LMS 7 plank open wagon	
SR 7 plank open wagon	
Edinburgh 7 plank open wagon	
Ammanford 7 plank open wagon	
C.W.S. 7 plank open wagon	
Chatterley Whitfield 7 plank open wagon	
Nook and Wyrley 5 plank open wagon	
Rose Smith 7 plank open wagon	
Thorncliffe IZal 8 plank open wagon	
Enoch Haythorne 8 plank open wagon	
Law Main 8 plank open wagon	
NEW ICI 5 plank open wagon	
NEW Vauxhall 7 plank open wagon	
Osman Trevor Powell 7 plank	
NEW John Stephens works 8 plank	
NEW A.Bramley 5 plank	
NEW Ace of clubs 7 plank	
All above RRP £41.10	
our price £34.95 each	

DAPOL 6 WHEEL MILK TANKERS

Fully finished R.T.R wagons
United Dairies
Express Dairies
CWS (red livery)
Milk Marketing Board
United Creameries (Unigate)
RRP £74.50 our price £65.00



22

A small section of Cornwall in the 1950s is captured to good effect by **Pete Clifton's** O gauge model of Bodmin North.



32

Ben Jones reports from Bachmann's 2015/16 catalogue launch, which revealed a number of surprises, updates and new versions of existing models.



54

As the cost of new models increases, **Phil Parker** looks at the potential for making the most of older products, easily obtained for bargain prices.



42

Simon Lawson and **Matt Hindes** of Ilkeston (Woodside) MRC built two layouts depicting different aspects of the modern railway in the East Midlands.

92

22 LAYOUT: BODMIN NORTH

A quiet branch line terminus set in the 1950s, Bodmin North is a beautifully modelled layout and fully deserves its place as layout of the month.

32 NEWS EXTRA: BACHMANN/ GRAHAM FARISH 2015/16

The BRM team attended the Bachmann 2016 range launch to discover what new models the Barwell-based company has planned for next year. Here's the full story.

35 INTERVIEW: DAVID HAARHAUS

Ben Jones meets **David Haarhaus**, new European Sales & Marketing Director of Bachmann Europe to get some insight into what the future holds.

42 LAYOUTS: LONDON ROAD AND ELVEDEN ROAD

Two high-quality modern image layouts built by **Simon Lawson** and **Matt Hindes** are presented together to give a real flavour of contemporary East Midlands railways.

54 PRACTICAL BRM: SECOND HAND SAVERS - NEW SERIES

Good modelling doesn't need to cost the earth. **Phil Parker** shows what can be done with items from the secondhand market in this first part of a new series.

58 PRACTICAL BRM: 'PRINCE OF WALES' PART 2

Howard Smith continues his transformation of the Hornby P2 to raise funds for the new-build P2 *Prince of Wales* and we reveal how you can get involved.

62 BRM INTERVIEW

Model railway shops are rare in London these days, but **Ben Jones** meets a relatively new retailer finding its feet well within Oyster Card territory.

64 PRACTICAL BRM: BUILD A MODERN FILLING STATION

James Makin explains how he scratchbuilt an essential feature of the modern world for Worthing MRC's 'Loftus Road' layout.

68 LAYOUT: TURNER'S FOLLY

A real crowd pleaser at model railway shows, this unusual layout encourages visitors of all ages to 'have a go', as **Richard Turner** explains.

76 PROTOTYPE INSPIRATION: EASTFIELD CLASS 37s

Ray Kitching looks back at a brief moment when Scottish 'tractors' gained a mysterious white stripe.

22

52

80

106

98

104

100

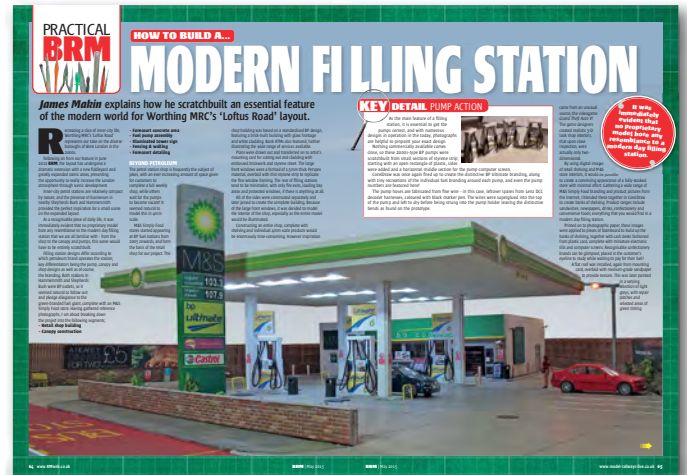
68

A real crowd pleaser at model railway shows, this unusual layout encourages visitors of all ages to 'have a go', as **Richard Turner** explains.



Howard Smith continues his transformation of the Hornby P2 to raise funds for the new-build P2 Prince of Wales and we reveal how you can get involved.

58



64

A real crowd pleaser at model railway shows, this unusual layout encourages visitors of all ages to 'have a go', as **Richard Turner** explains.



Ray Kitching shares the tale of how BR blue wasn't always worn in corporate fashion.

76

78 PRACTICAL BRM: MODEL A WEST HIGHLAND CLASS 37

Following his prototype article, it only seems right to present you with **Ray Kitching's** conversion of a Bachmann Class 37 into an Eastfield machine.

82 PRACTICAL BRM: HYBRID HIGHS

David Spencer uses Parkside Dundas wagon kits as the basis for some variations of LMS/BR wagon types.

88 READER'S LAYOUTS

A chance to see your home layout in print. Here are some that you've submitted recently.

90 WHAT'S NEW?

Hornby's latest model is revealed and its train packs are soon to be issued on stamps, plus new DCC decoder accessories from Youchoos and a handy portable compressor from Airbrushes.com.

94 REVIEWS

We look at the new 'Modified Hall' and BR 20t grain wagon from Bachmann, plus two GWR 'Stars' from Hornby. And, Heljan's latest O gauge wagons are scrutinised by **Howard Smith**.

104 TRIED & TESTED: ZTC 611

Howard Smith tests out the new ZTC DCC command unit from Taunton Controls Ltd. So how does this system differ from other competitors on the market?

106 TRIED & TESTED: DCC CONCEPTS POINT KIT

Phil Parker assembles this new track system with stainless steel rail to find out what it's really like.

'MODIFIED HALL'
See page 94

DON'T MISS OUT

The June 2015 issue of

BRM
BRITISH RAILWAY MODELLING

is published on May 8

TURN TO
PAGE 109
FOR MORE
DETAILS
ABOUT THE
NEXT
ISSUE

GOING DIGITAL

BRM's Digital Edition brings with it a mass of benefits to make your favourite railway modelling magazine even better. For more information, go to: www.brmn.ag/digiditions

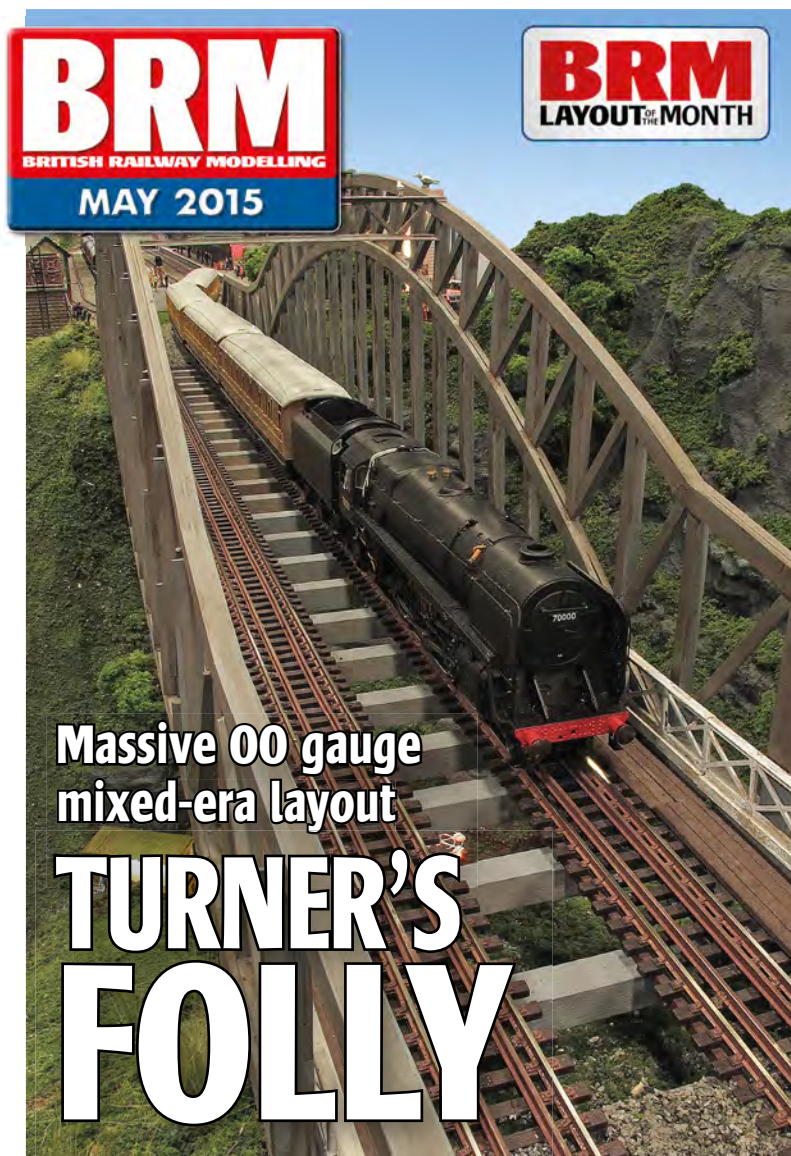
- ▶ EXTRA FEATURES
- ▶ LIVE WEBSITE LINKS
- ▶ SAVE MONEY
- ▶ NO STORAGE PROBLEMS
- ▶ BETTER IMAGE QUALITY
- ▶ ZOOM FUNCTION



BRM TV

In this month's video, we visit a fictitious layout – Turner's Folly. Plus **Phil Parker** shows how to work with plasticard and **Howard Smith** looks at the ZTC 611 DCC controller. **Ben Jones** reports from the Didcot Railway Centre, and the GWR-theme is continued with a look back at the OO gauge Westcliff from the BRM archive.

WHAT'S ON THE DVD



PRACTICAL BRM

Phil Parker's guide to working with plasticard.



BRM BEHIND THE SCENES

Didcot Railway Centre, a piece of railway heritage.



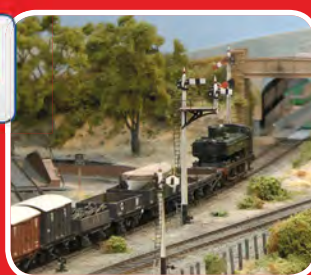
BRM TRIED & TESTED

Howard Smith looks at the ZTC 611 DCC controller.



From the BRM ARCHIVE

Evocative coastal Great Western layout 'Westcliff'.



**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



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

WELCOME



As predicted in last month's editorial, the Bachmann 2015/16 catalogue launch was notable for its comparative restraint, bringing just two all-new items each in OO and N. But, as has already been widely acknowledged, the new programme is significant for its change of emphasis and sees some interesting developments.

Several older models have been selected for mechanical or external upgrades, while other items that have been out of the range for some years make a welcome return, not least the 'Super D', LNER K3 and JGA stone hoppers. In the case of the Class 70 and Class 450 EMU, relatively minor modifications allow much-requested variants to be offered, further broadening the range.

Across both N and OO there's a renewed focus on 'bread and butter' items which should always be on retailers' shelves, but also a challenge to received wisdom about what does and doesn't sell with various 'Big Four' steam locomotives and even the odd pre-Grouping and late-1940s early BR model.

There's also some 'joined up' thinking around producing attractive matching train packs and rolling stock to match locomotives in the range; for example the Colas bogie coal hoppers for the Class 70/8 and a decent selection of 'Big Four' company goods wagons.

For British N gauge, the advent of factory-fitted DCC sound is long overdue. A Class 108 DMU is a practical choice for the new development; it will be fascinating to see if the 1:148 scale community embraces it in the same way as their OO gauge counterparts.

Whether it's a small change or a new development, all these factors should help Bachmann to freshen up its offering without committing to more investment in expensive tooling and the work that entails.

By the company's own reckoning, of the 83 new projects announced across N, OO and OO9 in 2012-14, 44 are still to be delivered. Of those, Hong Kong is yet to start detailed design work on 31 projects (the progress report on page 33 should make it obvious which ones), although 12 should start in earnest this year. While

many are individual locomotives or items of rolling stock, projects such as the Mk 2f and new Thompson coaches involve up to six separate vehicles, all of which need to be researched, designed, tooled, manufactured and, eventually, delivered to shops.

Informed sources at Barwell cite numerous reasons for the backlog, not just the widely publicised labour issues in southern China. They point to an over-ambitious programme of announcements, particularly in 2013, when more than 40 new items were unveiled; a 30% shortfall in production capacity, delays to the development of new tools, the closure of Sanda Kan (which hit Graham Farish deliveries hardest) and design time consumed on third-party projects and commissions, amongst other issues.

Bachmann remains extremely sensitive about prices and is anxious to get across the message that the pricing regime of a few years ago is no longer sustainable. At the top level it believes that by delivering the right products at the right quality - without compromising detail - it can keep its customers on side.

Anecdotal evidence suggests that, by and large, people understand the situation and appreciate the company's honesty. But, to restore confidence it needs to make tangible progress on models such as the Stanier 'Mogul', SECR 'Birdcage' stock and air-con Mk 2s.

With all this on its plate, plus a gaggle of new competitors nipping at its heels, promising lower prices or extra features, the next couple of years aren't going to be easy for Bachmann, but the new N and OO ranges are a considered response to its current situation.

Turn to page 35 for our report on the range and an exclusive interview with David Haarhaus, the new man in charge at Barwell. You can also read more about Bachmann and the latest Hornby announcement from the perspective of our 'Industry Insider' on page 146.

SEE
MUCH MORE
ON YOUR
FREE
"BRM TV"
DVD

Ben



BRM

British Railway Modelling

is published by Warners Group Publications plc
Tel: 01778 392455 Fax: 01778 425437

EDITORIAL

MANAGING EDITOR

Ben Jones

E benj@warnersgroup.co.uk

FEATURES EDITOR

Howard Smith 01778 392059

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 johng@warnersgroup.co.uk

ADVERTISING

GROUP ADVERTISING MANAGER

Bev Machin 01778 392055

E bevm@warnersgroup.co.uk

MULTI-MEDIA SALES

Scott Johnson 01778 395002

E scottj@warnersgroup.co.uk

DESIGN AND PRODUCTION

HEAD DESIGNER

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 I Natalie Cole

01778 392404 I Vicky Courton 01778 391150

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 & BACK ISSUES

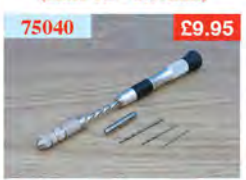
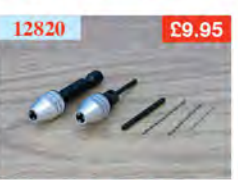
01778 392002

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 August 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 Complete Airbrush and Compressor Deal £109.95	 26211 Expo Turntable Motorising Set £27.95	 71250 Rotating Self Healing Cutting Mat (300mm x 300mm) £11.95	 75090 Expo Modellers Hand Drill with 3 Jaw Chuck £8.95
 AB500 Expo Portable Spray Booth £89.95	 75589 Xuron Professional Photo-Etch Scissors £26.95	 25182 HO/OO Gauge Fibre Optic Scale Yard Lamp. £14.95	 25191 O Gauge Fibre Optic Scale Gas Lamp. £18.95	 75570 Xuron Track Cutter £17.95	 44010 Milliput Standard, Yellow-Grey £2.75
 11508 8pc HSS Drill Set (Sizes 0.5 - 2.00mm) £6.00	 11516 16pc HSS Twist Drill Set £9.00	 71530 Bending & Shaping Tool £4.95	 44500 Paint Remover. Safely removes most paints from most plastics! £4.95	 73960 Table Top Round Magnifying Lamp £59.95	 79521 Multi Position Vice with 3 inch Jaws £25.95
 75040 Professional Archimedes Drill Set £9.95	 12820 Professional Micro Chuck Set £9.95	 75070 Precision Pin Vice with 3 Jaw Chuck £9.95	 26241 Worm Gear and Pinion Puller £5.95	 72506 Miniature 10pc Diamond Needle File Set in wallet £14.95	 72512 5pc Diamond Needle File Set with soft grip handles £7.95
 74360 Hot Wire Polystyrene Cutter £9.95	 73012 Watchmakers Hammer £5.00	 LS94294 New! 2x Professional 4 Inch Pine Trees £13.95	 LS94318 New! 3x Professional 3 Inch Sycamore Trees £15.95	 LS94350 New! 2x Professional 3 Inch Live Oak Trees £13.95	 LS95561 New! HO Gauge Assorted Flower Plants 3 (pack of 12) £7.95
 LS95553 New! Corn Stalks (pack of 28) £9.50	 LS95581 New! HO Gauge Detachable Flower Bushes (pack of 30) £7.95	 PDX66 N Gauge Ready Painted Model £7.60	 PDX67 New! PD Marsh N Gauge Painted Coalman & Scales £7.60	 PDX76 New! N Gauge 1950's Motorbike, Sidecar & Rider £6.25	
 PDZ39 Ready Painted Model £7.50	 PDZ40 New! PD Marsh OO Gauge 1950/60 Fire Crew £9.50	 PDZ41 New! PD Marsh OO Gauge 1970/80 Fire Crew £9.50	 PDZ37 Ready Painted Model £8.00	 PDZ104 Ready Painted Model £11.95	 PDZ19 Ready Painted Model £8.00

The latest arrivals from Ancorton Models!



 95818 Ancorton OO Gauge Water Tank Kit £12.99	 95657 Ancorton N Gauge Small Rural Barn Kit £8.49	 95426 3D Printed Model Ancorton N Gauge Platelayers Hut/Sleeper Built (RTP) £8.50	 95425 3D Printed Model Ancorton N Gauge Stone Built Lineside Building £7.50	 95871 Ancorton OO Gauge Gypsy Caravan Kit £8.00	 95832 Ancorton OO Gauge Railway Bridge Kit Kit £15.00
---	--	---	--	--	--



74325 £7.95

Professional Precision Oiler



73860

Helping Hands with Glass Magnifier

£5.95



A23000 £4.50

Pack of 10 Micro Spade Connectors with Heat Shrink



74365 £9.95

Hand Held Mitre Guillotine



79920 £14.95

Expo Professional Rapid Cable Stripper



74300 £5.00

Precision Oiler



78215 £5.95

2 Inch Stainless Steel Square



75110 £7.95

EXPO High Quality Pin Pusher 2mm



75120 £7.95

EXPO High Quality Pin Pusher 3mm



70515 £7.95

3pc Set of 4mm Scratch Brushes



79031 £9.95

Expo 8pc High Quality Tweezer Set in Wallet



71203 £10.00

Cutting Mat A3 Size (450 x 300mm)



A25035 £6.50

10 x Clear Grain of Rice Bulbs



70372 £15.00

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



A23040 £7.95

Plug Together 12 Way Connector Block Set



A28015 £7.95

Pack of 5 SPDT Miniature Biased Switches



A28035 £4.00

Pack of 5 High Quality Push to Make (red)



46101

Deluxe Materials Ballast Bond with Tip (100ml)

£5.25



74104 £4.95

OO Gauge Scale Rule 4mm = 1 foot



73520 £9.95

4pc Modelmakers Tool Kit in Wallet



59504 £6.50

2 Sheets of Tree Foliage

Code: 77510 3 in 1 Low Temperature Soldering Station

New!



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

£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

Expo 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



28069

EZE-Wire Point Motor Switch Box

£17.95

For simple wiring & operation of 1 to 5 Model Railway point motors. For use with a suitable power source of 12-24volts.



Expo 2015 Catalogue

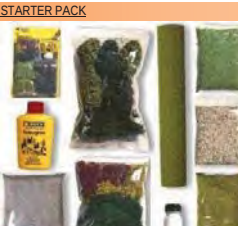
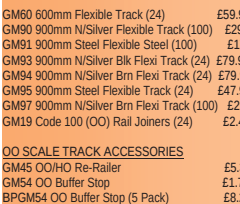
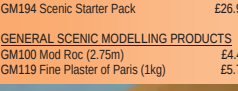
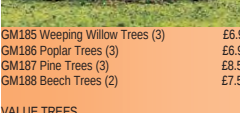
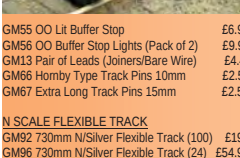
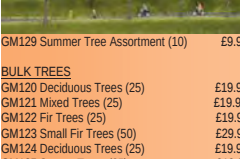
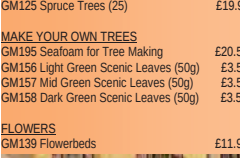
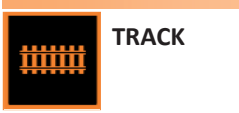
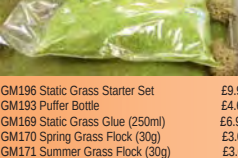
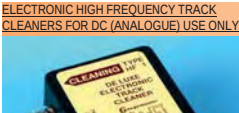
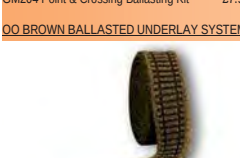
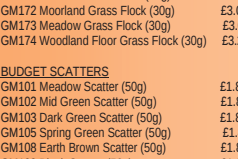
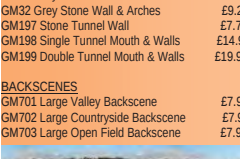
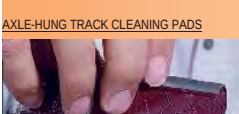
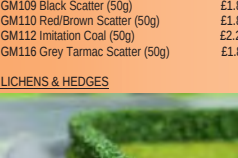
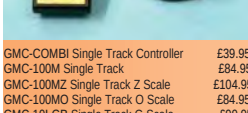
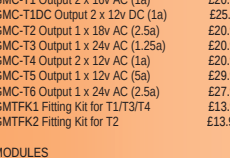
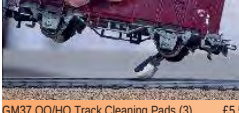
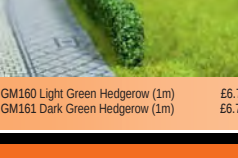
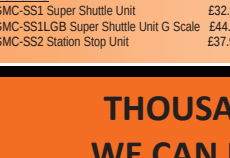
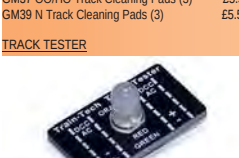
The new Expo 2015 Catalogue is now available! If you haven't received your copy yet please order your free copy at: www.expotools.com They are also be available at your local stockists.

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	ANALOGUE CONTROL	POINT CONTROL	TRACK	SCENICS	SCENICS
DIGITAL CONTROL SYSTEMS	DCC-DO Twin Track O Scale £159.95 GMC-DF Twin Track Feedback £99.95	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	OO SCALE FLEXIBLE TRACK	STARTER PACK	GM164 Light Green Lichen (80g) £4.75 GM165 Dark Green Lichen (80g) £4.75 GM166 Assorted Lichen (80g) £4.75
					FOLIAGE GM150 Fine Light Green Foliage (30g) £3.05 GM151 Fine Dark Green Foliage (30g) £3.05 GM152 Fine Mid Green Foliage (30g) £3.05 GM153 Fine Light Brown Foliage (30g) £3.05 GM154 Fine Brown Foliage (30g) £3.05
DCC01 Prodigy Express System £149.95	GMC-DS Twin Track Simulation Z Scale £174.95 GMC-TS Three Track Simulation £174.95 GMC-TS2 Three Track Simulation Z Scale £184.95	MAINS POWERED POINT CONTROL SYSTEM GMC-PCU1 Point Control Unit £114.95 GMC-PCU2 Slave Unit for PCU1 £52.95	OO SCALE TRACK ACCESSORIES GM45 OO/HO Re-Railer £5.35 GM54 OO Buffer Stop £1.75 BPGM54 OO Buffer Stop (5 Pack) £8.25	GENERAL SCENIC MODELLING PRODUCTS GM108 Mod Roc (2.75m) £4.45 GM119 Fine Plaster of Paris (1kg) £5.75	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
		CAPACITOR DISCHARGE UNITS GMC-CDU Capacitor Discharge Unit £13.95 GMC-MCDU Mains Powered CDU £24.95			
DCC02 Prodigy Advance2 System £279.95	GMC-Q Four Track £169.95 GMC-QZ Four Track Z Scale £179.95	POINT MOTORS GMC-PM1 Motor with Built-In Switch £5.25 GMC-PM2 Motor No Switch £4.95 GMC-PM4 Motor Latching Mechanism £6.25			
	PANEL MOUNT CONTROLLERS GMC-100 Single Track £34.95 GMC-100 Q Single Track O Scale £44.95 GMC-100LGB Single Track G Scale £54.95 GMC-U Single Track Simulation £42.95 GMC-UF Single Track Feedback £37.95 GMC-UDF Twin Track Simulation O Scale £57.95 GMC-UD Twin Track £52.95 GMC-UJF Twin Track Feedback £57.95 GMC-UDS Twin Track Simulation £67.95 GMC-UTS Three Track Controller Sim. £79.95 GMC-UQ Four Track £84.95				
DCC03 Prodigy Advance2 Wireless System £479.95	HANDHELD CONTROLLERS GMC-W Single Track £37.95 GMC-HH Single Track Feedback £39.95 GMC-WS Single Track Simulation £59.95	UNCOUPLERS GMC-EM1 N Electro Magnetic Uncoupler £8.95 GMC-EM2 Coupling Adaptor Fret (20) £4.95 GMC-TLU OO Tension Lock Uncoupler £10.95	N SCALE FLEXIBLE TRACK GM92 730mm N/Silver Flexible Track (100) £199 GM96 730mm N/Silver Flexible Track (24) £54.95 GM18 Code 80 (N) Rail Joiners (24) £2.35		
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 TBA DCC29 OMNI Direct Plug Decoder TBA BPDC27 OMNI 21 & 8 Pin Decoder (5) £89.95 BPDC28 OMNI 6 Pin with Harness (5) TBA BPDC29 OMNI Direct Plug Decoder (5) TBA DCC30 Accessory Decoder 4 Accessories £59.95 DCC31 Accessory Decoder Kato UnitTrack £15.95	MAINS POWERED TRANSFORMERS GMC-M1 Output 2 x 16v AC £47.95 GMC-M1DC Output 2 x12v DC £52.95 GMC-M2 Output 1 x 18v AC (2.5a) £52.95 GMC-M3 Output 1 x 24v AC (1.25a) £52.95 GMC-M4 Output 2 x12v AC (1.25a) £52.95 GMC-M5 Output 1 x 12v AC (5a) £84.95 GMC-M6 Output 1 x 24v AC (2.5a) £84.95 GMC-M12S Output 1 x 22v DC (5a) £99.95		N SCALE TRACK ACCESSORIES GM46 N Re-Railer £2.95 GM53 N Scale Buffer Stop TBA BPGM53 N Scale Buffer Stop (Pack of 5) TBA		
DCC ACCESSORIES DCC11 Prodigy Extension Plate £36.95 DCC13 Prodigy Adv2 Wireless Walkaround £174.95 DCC14 Prodigy Adv2 Backlit Walkaround £125.95 DCC40 Auto Reverse Module £39.95 DCC49 Prodigy DCC Booster Unit 8 Amp £169.95 DCC51 Prodigy Wireless Conversion Set £259.95 DCC55 Prodigy Wired Computer Interface £52.95 DCC59 Spare plug for Prodigy £3.25 DCC61 Medium NEM 652 Socket (5) £7.95 DCC62 Prodigy Universal Lead (2m) £4.95 DCC63 Prodigy Adv Power Supply Unit £24.95 DCC71 Prodigy Decoder Tester £9.95 DCC72 8 to 21 Pin Adaptor £4.50 DCC73 25mm JST 9 Pin Short Harness (2) £4.25		TRACK ELECTRONIC HIGH FREQUENCY TRACK CLEANERS FOR DC (ANALOGUE) USE ONLY GMC-HF1 Single Track Unit £38.95 GMC-HF2 Double Track Unit £48.95			
	WALL MOUNTED TRANSFORMERS GMC-WM1 Output 1 x 16v AC or 12v DC £18.95 GMC-WM2 Output 1 x 9v DC (0.6a) £18.95		OO GREY BALLASTED UNDERLAY SYSTEM GM114 OO/HO Granite Ballast (500g) £3.45		
MAINS POWERED CONTROLLERS GMC-COMBI Single Track Controller £39.95 GMC-100M Single Track £84.95 GMC-100M2 Single Track Z Scale £104.95 GMC-100M0 Single Track O Scale £84.95 GMC-10LGB Single Track G Scale £99.95 GMC-10LGBSF Single Track G Scale Fan £164.95 GMC-P Single Track Simulation £99.95 GMC-PO Single Track Simulation O Scale £99.95					
	OPEN TRANSFORMERS GMC-T1 Output 2 x 16v AC (1a) £20.95 GMC-T1DC Output 2 x 12v DC (1a) £25.95 GMC-T2 Output 1 x 18v AC (2.5a) £20.95 GMC-T3 Output 1 x 24v AC (1.25a) £20.95 GMC-T4 Output 2 x 12v AC (1a) £20.95 GMC-T5 Output 1 x 12v AC (5a) £29.95 GMC-T6 Output 1 x 24v AC (2.5a) £27.95 GMTFK1 Fitting Kit for T1/T3/T4 £13.95 GMTFK2 Fitting Kit for T2 £13.95				
	MODULES GMC-SS1 Super Shuttle Unit £32.95 GMC-SS1LGB Super Shuttle Unit G Scale £44.95 GMC-SS2 Station Stop Unit £37.95				
GMC-D Twin Track £94.95 GMC-DZ Twin Track Z Scale £109.95			N BROWN BALLASTED UNDERLAY SYSTEM GM113 N Brown Ballast (500g) £3.45 GM211 N Flexible Ballasted Underlay (5m) £22.95 GM215 Point & Crossing Ballasting Kit £7.95		

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

Gaugemaster Controls Ltd, Gaugemaster House, Ford Road
Arundel, West Sussex, BN18 0BN, United Kingdom

Tel - 01903 884488

Fax - 01903 884377 E Mail - engineshed@gaugemaster.co.uk



Electronic loco controller



HIGHWAYS



OO SCALE WIDE ROAD SYSTEM

GM370 80mm Wide Tarmac Road (1m) £6.95

GM371 80mm Wide Universal Curves (2) £6.95

OO SCALE NARROW ROAD SYSTEM

GM375 68mm Wide Tarmac Road (1m) £6.95

GM376 68mm Wide Universal Curves (2) £6.95

N SCALE ROAD SYSTEM

GM390 40mm Wide Tarmac Road (1m) £6.95

GM391 40mm Wide Universal Curves (2) £6.95

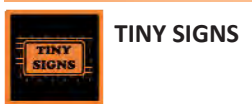


OO SCALE VEHICLE LIGHTING KITS

GM385 Vehicle Lighting Kit £9.95

GM386 Emergency Vehicle Kit (Blue) £12.95

GM387 Orange Vehicle Kit (Orange) £12.95



TINY SIGNS

OO SCALE REPLICA SIGNS

TSO09E BR (Eastern) Station Signs £1.95

TSO09LM BR (Midland) Station Signs £1.95

TSO09NE BR (N Eastern) Station Signs £1.95

TSO09S BR (Southern) Station Signs £1.95

TSO09SCOT BR (Scottish) Station Signs £1.95

TSO09W BR (Western) Station Signs £1.95

TSO021 Street Names £1.95

TSO022 BR Modern Image Station Signs £1.95

TSO023 Cornish Riviera Boards 1 £1.95

TSO024 Cornish Riviera Boards 2 £1.95

TSO025 Early Station Signs £1.95

TSO026 GWR Poster Boards £1.95

TSO027 LMS Poster Boards £1.95

TSO028 LNER Poster Boards £1.95

TSO029 Southern Poster Boards £1.95

TSO030 BR Poster Boards £1.95

TSO040 SR (Target) Sevenoaks/Oxted £1.95

TSO041 BR (Midland) Preston/Rugeley £1.95

TSO042 BR (Western) Turf/Taunton £1.95

TSO043 BR (Eastern) Hitchin/Grantham £1.95

TSO044 BR (NE) Durham/Morpeth £1.95

TSO045 BR (Scottish) Falkirk/Cranlanich £1.95

TSO046 BR (Southern) Woking/Aminster £1.95

TSO059 Carriage Prints £1.95

TSO060 Modern Image Road Signs £1.95

TSO067 Pub Signs £1.95

TSO070 Old Time Road Signs £1.95

TSO072 Pre-Grouping Travel Posters £1.95

TSO073 GWR Travel Posters £1.95

TSO074 LMS Travel Posters £1.95

TSO075 LNER Travel Posters £1.95

TSO076 Southern Travel Posters £1.95

TSO077 BR Travel Posters £1.95

TSO078 BR Modern Image Travel Posters £1.95

TSO079 Trackside Notices £1.95

TSO081 Enamel Advert Signs 1 £1.95

TSO082 Enamel Advert Signs 2 £1.95

TSO083 Enamel Advert Signs 3 £1.95

TSO084 Enamel Advert Signs 4 £1.95

TSO0131 French Travel Posters £1.95

TSO0132 French Travel Posters £1.95

TSO0133 German Travel Posters £1.95

TSO0134 German Travel Posters £1.95

TSO0137 London Transport Posters £1.95

TSO0138 London Transport Posters £1.95

TSO0139 London Transport Posters £1.95

N SCALE REPLICA SIGNS

TSN9E BR (Eastern) Station Signs £1.95

TSN9LM BR (Midland) Station Signs £1.95

TSN9NE BR (N Eastern) Station Signs £1.95

TSN9S BR (Southern) Station Signs £1.95

TSN9SCOT BR (Scottish) Station Signs £1.95

TSN9W BR (Western) Station Signs £1.95

TSN21 Street Signs £1.95

TSN22 BR Modern Image Station Signs £1.95

TSN23 Cornish Riviera Boards 1 £1.95

TSN24 Cornish Riviera Boards 2 £1.95

TSN25 Early Station Signs £1.95

TSN27 Pub Signs £1.95

TSN71 Road Signs £1.95

TSN79 Trackside Notices £1.95

TSN81 Enamel Advert Signs 1 £1.95

TSN82 Enamel Advert Signs 2 £1.95

TSN83 Enamel Advert Signs 3 £1.95

TSN84 Enamel Advert Signs 4 £1.95

TSN91 GWR Travel Posters £1.95

TSN92 LMS Travel Posters £1.95

TSN93 LNER Travel Posters £1.95

TSN94 SR Travel Posters £1.95

TSN95 BR Travel Posters £1.95

TSN96 Modern Travel Posters £1.95

O SCALE REPLICA SIGNS

TSO5 Trackside Notices LNER £2.50

TSO6 Trackside Notices Midland £2.50

TSO7 Trackside Notices SR Area £2.50

TSO8 Trackside Notices GWR £2.50

TSO9E BR (Eastern) Station Signs £2.95

TSO9LM BR (Midland) Station Signs £2.95

TSO9NE BR (N Eastern) Station Signs £2.95

TSO9W BR (Western) Station Signs £2.95

TSO25 Early Station Signs £2.50

TSO26 Carriage Prints £2.50

TSO27 Enamel Advert Signs £2.50

TSO28 Enamel Advert Signs £2.50

TSO29 Enamel Advert Signs £2.50

TSO103 GWR Travel Posters Small £2.50

TSO105 LNER Travel Posters Small £2.50

TSO112 BR Travel Posters Large £2.50

KESTREL DESIGNS

GMK001 House £4.25

GMK002 Shop £4.25

GMK003 Bungalow £3.35

GMK004 Church with Porch £5.65

GMK005 House/Shop Unit with Glazing £6.45

GMK006 Two Shop Unit with Glazing £6.45

GMK007 Four House Unit £6.45

GMK008 Country Station £8.45

GMK009 Station Buildings £15.15

GMK010 Island Platform with Flat Canopy £7.95

GMK011 Flat Canopy £5.65

GMK012 Small Signal Box £6.15

GMK013B Farm Rail Fencing Brown £2.85

GMK013W Farm Rail Fencing White £2.85

GMK014 Telegraph Poles £2.85

GMK015 Windows Doors & Guttering £4.05

GMK016 Platforms (2) £2.55

GMK017 Platform Ramps (2) £2.25

GMK018 Station Yard Huts £3.05

GMK019 Weighbridge & Office £4.25

GMK020 Coal Office £3.05

GMK021 Level Crossing/Keepers Cottage £5.65

GMK022 Four Greenhouses £2.85

GMK023 Two Domestic Garages £1.95

GMK024 Water Tower £3.55

GMK025 Corner Shop £4.35

GMK026 Corner Pub £4.35

GMK027 Three Storey Townhouse £5.65

GMK028 Three Storey Town Shop £5.65

GMK029 Modern Station £7.75

GMK030 Modern Station Waiting Room £5.35

GMK031 Station Masters House £6.15

GMK032 Pair Pre War Semi Det. Houses £6.95

GMK033 Boilerhouse & Chimney £6.15

GMK034 Stable Block £3.65

GMK035 Cow Shed £3.35

GMK036 Barn £5.65

GMK037 Farm House £7.15

GMK038 Steel Footbridge £7.15

GMK039 Modern Industrial Unit £5.65

GMK040 Modern Fire Station £6.95

GMK041 Platform Wide (2) £3.05

GMK042 Platform Ramps Wide (2) £2.75

GMK043 Goods Shed £7.45

GMK1000 Town Station £17.25

GMK1001 Old Factory with Chimney £20.25

N GAUGE VALUE KIT SETS

GMK02000 Station Set £15.25

GMK02001 Town Set £13.25

GMK02002 Suburban Set £15.25

GMK02003 Farm Set £17.25

TOOLS

MODEL RAILWAY MAINTENANCE

GM50 OO/HO Locomotive Wheel Cleaner £34.95

GM51 N Gauge Wheel Cleaner £34.95

GM52 Spare Pads for GM50 £17.95

GM53 Spare Pads for GM47 £17.95

GM619 Precision Lubricator £4.75

GM667 Superfine Oil Pen w/Teflon Particles £5.75

GM668 Electrical Contact Oil Pen £9.75

GENERAL MODELLING TOOLS

GM08 Modelstrip (115ml) £6.95

GM26 Track Rubber £2.95

GM27 Jumbo Track Rubber £5.50

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) £4.25

GM630 Screw Top Mandrels (3) £4.75

GM631 Slitting Discs (10) & Mandrel £5.25

GM632 Budget Needle File Set £6.75

GM633 Glass Fibre Pencil 4mm £7.50

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 Brushes 0.6-2.0 £15.50

GM640 Archimedian Drill Stock £5.95

GM641 HSS Jobbs Drills 0.5 (5) £7.75

GM642 HSS Jobbs Drills 0.8 (5) £5.35

GM643 HSS Jobbs Drills 1.0 (5) £6.15

GM644 HSS Jobbs Drills 1.2 (5) £6.95

GM645 HSS Jobbs Drills 1.5 (5) £6.15

GM646 HSS Jobbs Drills 1.8 (5) £3.65

GM647 HSS Jobbs Drills 2.0 (5) £3.35

GM648 Microbox Drills 0.3-1.6 £5.65

GM649 Microbox HSS Twist Drill Bits 61-80 £7.15

GM650 HSS Jobbs Drills 0.3 (5) £7.15

GM651 HSS Jobbs Drills 0.4 (5) £5.65

GM652 HSS Jobbs Drills 0.6 (5) £6.95

GM653 HSS Jobbs Drills 0.7 (5) £3.05

GM654 HSS Jobbs Drills 0.9 (5) £2.75

GM655 Spare Blades for GM614 £7.45

GM656 Spare Blades for GM616 £17.25

GM660 Pick n Place Twin Pack £20.25

GM664 Economy Spray/Plastic Cutter £6.95

GM666 Clip On Magnifying Eye Glass £6.50

GM669 Pin Pusher with Depth Stop £9.95

GM670 Deluxe Paintbrush Set £9.95

GM693 Value Model Railway Drill £9.95

GM695 Model Railway Screwdriver Set £4.95

GM696 Masking Tape 6mm x 18m (2) £1.95

GM697 Masking Tape 10mm x 18m (2) £2.75

GM698 Masking Tape 18mm x 18m (1) £2.50

RAZOR SAWS

GM672 Razor Saw Superfine £10.95

GM673 3 in 1 Saw Set £13.95

GM674 Razor Saw Fine £10.95

GM675 Razor Saw Medium £10.95

GM676 Aluminum Mini 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) £

METCALFE

READY CUT CARD KITS

MAIL ORDERS:

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

PHONE ORDERS:

01729 830072

POSTAGE

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



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

RAILWAY

NEW!



Retaining Wall

A sectional wall easily extended with more kits. Features laser cut capping stones for a clean and crisp look.

N Codes: PN144 Stone - PN145 Brick **£8.99**
00 Codes PO244 Brick - PO245 Stone **£11.99**



Tapered Retaining Walls

A pair of sloping walls designed to stand either end of retaining walls. Can also be built to make a ramped roadway up to the bridge height.

N Codes: PN148 Brick - PN149 Stone **£8.99**
00 Codes PO248 Brick - PO249 Stone **£12.99**

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

RAILWAY



Railway Bridge

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

ALL THREE KITS AVAILABLE IN BRICK OR STONE STYLES



TOWN & COUNTRY

00/H0 Parish Church

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

PO226 - **£15.99**



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

TOOLS

Ultra Fine Glue Applicators

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



Follow us
@MetcalfeModelsT



MIDI KIT



Wooden Pavilion

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

MINI KIT



Picnic Tables

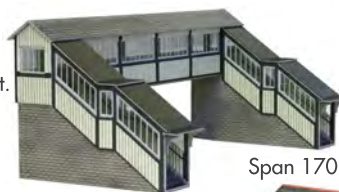
Pack contains three table with umbrellas. Note: Umbrella poles not included. Made from paper clips. Only in 00.
00 / PO510 / **£5.50**

RAILWAY

Footbridge

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

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



Span 170mm.



Easily add on extra kits to extend the bridge over more tracks.

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

METCALFE

READY CUT CARD KITS

www.metcalfemodels.com



find us on
Facebook

INDUSTRIAL PERFECTION...

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

INDUSTRIAL

00/ H0 Boilerhouse & Factory Entrance

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

PO284 - £13.99



00/H0 Warehouse

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

PO282 - £13.99

INDUSTRIAL

00/H0 Small Factory

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

PO283 - £13.99



STOP PRESS!

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

TOWN & COUNTRY

00 LOW RELIEF HIGH STREET BUILDINGS

PO205

PO206

PO271

Great for backdrops and limited spaces.

Works well with our retaining walls as shown here.

Pub & Shops:
PO205 - £9.20

Cinema:
PO206 - £9.20

Bank & Shop:
PO271 - £11.50



BACHMANN 2014/15 NEW ITEMS

ALL AVAILABLE TO PRE-ORDER NOW

Class 3200 Earl "Dukedog" 4-4-0 Pre-order for £118.96



31-088 9028 in BR black early emblem
31-089 3214 in GWR green with shirtbutton monogram

Patriot Class 4-6-0 Pre-order for £114.71



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

Class A2 4-6-2 Pre-order for £144.45



31-528A 60529 "Pearl Driver" in BR lined green with late crest
31-531 60536 "Trimbush" in BR lined green with early emblem
(Prices estimated - we will notify you if price rises & offer option to cancel)

Class 6959 Modified Hall Pre-order for £114.71



31-780 6988 "Swithland Hall" in BR lined green with late crest & Hawksworth tender
31-781 7903 "Foremarke Hall" in BR lined black with early emblem and Hawksworth tender
31-782 6965 "Thirlestaine Hall" BR green with late crest - weathered
31-783 7904 "Fountains Hall" BR black early emblem - weathered



Pre-order at www.ehattons.com/bachmann2014

Standard class 3MT tank Pre-order for £101.96



31-981 82021 in BR lined black with early emblem

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



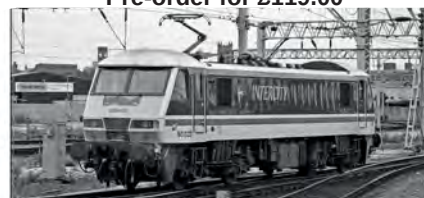
Pre-order for £76.46
32-115B 08818 in BR blue with wasp stripes - weathered £84.96
32-119 08907 in DB Schenker red
32-120 13287 in BR plain green early emblem

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
(Prices estimated - we will notify you if price rises & offer option to cancel)

Class 25/3 Diesel Pre-order for £93.46



32-408 25286 in BR blue with domino headcode



www.ehattons.com/oxfordrailpreorders OXFORD

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:

£110

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

Wagons due in to stock between April - June 2015.

7 Plank Wagon 95



OR76MW001 7 plank wagon 95
"Fear Bros, Staines" in red - £9

7 Plank Wagon 10



OR76MW002 7 plank wagon 10
"Leamington Priors Gas" in red - £9

7 Plank Wagon 44



OR76MW003 7 plank wagon 44
"E Welford & Son Oxford" in red - £9

7 Plank Wagon 16



OR76MW004 7 plank wagon 16
"Weymouth & District Co-Op" in green - £9

7 Plank Wagon 217



OR76MW005 7 plank wagon 217
"Coventry Collieries" in black - £9

7 Plank Wagon 286



OR76MW006 7 plank wagon 286
"Arley Colliery" in red - £9

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

364-368 Smithdown Road, Liverpool, L15 5AN

Phones Open **Mon to Thu** 7am to 9pm **Fri & Sat** 8am to 6pm **Sun** 9am to 5pm

Shop Open **Mon to Sat** 8am to 6pm **Sun** 10am to 4pm

13,500+ items available on www.ehattons.com/brm



Pre-order at www.ehattons.com/bachmann2015

Class J72 0-6-0
Pre-order for £75



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

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 £102.00



35-050 LNWR plain black livery
35-051 LMS black livery
35-052 BR black early emblem
(Prices estimated - we will notify you if price rises & offer option to cancel)

Class 70 diesel



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 55 Diesel
Pre-order for £113.01



32-532 55007 "PINZA" BR blue - Finsbury Park white cab windows
31-533 D9001 "St. Paddy" in BR two-tone green - weathered

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

Class 14xx
Pre-order for £99



Pristine

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

Lightly Weathered

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

Heavily Weathered

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

Due Q4 2015 - Q1 2016
www.ehattons.com/j94

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
IJ9409 7 in NCB Littleton Colliery lined blue

Very Heavily Weathered



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

Due Q1 2015
www.ehattons.com/14xx

Class 6000 King
Pre-order for £169



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



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

DCC Fitted versions also available for £179

HK01DCC - HK15DCC

Due Q4 2015 - Q1 2016
www.ehattons.com/king

www.ehattons.com/preorder

Pre-orders accepted via credit or debit card only
Prices valid until 13/05/15. Errors excepted.



Visit

www.ehattons.com/preorder

for all forthcoming releases

OO Gauge (1:76 Scale)

Steam locos



266208 Beyer Garratt 2-6-0 0-6-2 47996 BR early emblems on cabsides & numbers on tanks 1949-56. Heavily weathered (Hel) £199
R3106 Class 2800 2-8-0 steam loco 2807 in GWR as preserved (Hor) £120
32-828A Class 2MT Ivatt 2-6-0 46526 BR lined green late crest - weathered (Bac) £110.46



31-128[^] Class 30xx 2-8-0 ROD 3036 in BR black early emblem - weathered (Bac) (list £142.95) **BARGAIN** £94



31-727 Class 3700 City 4-4-0 3439 "City Of London" GWR Green Monogram (Bac) £106.21



31-626A Class 3F 0-6-0 43257 in BR black early emblem (Bac) £84.96
31-628DC Class 3F 0-6-0 43620 in BR black late crest - weathered. DCC On Board (Bac) £101.96



R3229 Class 4000 Star 4-6-0 4021 "British Monarch" in BR green early crest (Hor) £125.10



R3222 Class 42XX 2-8-0 4261 in Great Western green (Hor) £111.20



31-881 Class 4F 0-6-0 43875 in 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



31-188 Class 5XP Jubilee 4-6-0 45565 'Victoria' in BR lined green late crest - weathered (Bac) £127.46



31-635 Class 64xx 0-6-0 Pannier tank 6406 in GWR green (Bac) **NEW** £72.21



31-637 Class 64xx 0-6-0 Pannier Tank 6412 in BR lined green late crest (Bac) **NEW** £72.21



31-213DS Class 6P Patriot 4-6-0 45504 "Royal Signals" in BR green late crest. DCC Sound Fitted (Bac) (list £268) **BARGAIN** £189
31-013 Class 7F 2-8-0 S&DJR 53808 BR black late crest & Deeley tender (Bac) £114.71



R3245TTS Class A1 Peppercorn 4-6-2 "Tornado" in BR Blue (as running on mainline) - TTS Sound (Hor) . £143.70



R3285TTS Class A4 4-6-2 4469 "Gadwall" in LNER Garter blue TTS Sound - Railroad range (Hor) £92.70



R3280 Class A4 4-6-2 4496 "Golden Shuttle" in LNER Garter blue - Railroad range (Hor) £71.30



R2784X Class A4 4-6-2 60022 "Mallard" in BR green late crest - DCC Fitted (Railroad Range) (Hor) (list £92.25) **BARGAIN** £59
R3114A Class B1 Thompson 4-6-0 61267 in BR black late crest (Hor) £120



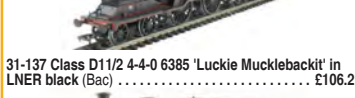
R2922X Class B17/6 Sandringham 4-6-0 61650 "Grimsby Town" in BR late crest DCC Fitted (Hor) £125
31-146 Class D11/1 4-4-0 62663 "Prince Albert" BR black early emblem (Bac) £101.96



31-136DC[^] Class D11/2 4-4-0 62677 "Edie Ochilree" in BR black late crest. DCC Fitted (Bac) (list £139.95) **BARGAIN** £85



31-137 Class D11/2 4-4-0 6385 "Luckie Mucklebackit" in LNER black (Bac) £106.21



31-320DC Class J11 Robinson (GCR 9J) 64325 in BR black late crest. DCC Fitted (Bac) £93.46
R3243 Class K1 2-6-0 62024 in BR late crest (Hor) £120.50



R3194 Class V Schools 4-4-0 30937 "Epsom" in BR black early emblem (Hor) £112



32-954 Standard class 4MT 2-6-0 76058 BR lined black early emblem (Bac) £93.46
32-509 Standard class 5MT 73109 in BR lined black early emblem and BR1B tender (Bac) £110.46
32-260DC WD Austerity 2-8-0 90448 BR black with late crest. DCC On Board (Bac) £130

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



30-575 The Railway Children Train Pack GWR 57xx Pannier in GNSR, 2 x GNSR Coaches & Scenecraft Oakworth Station Building (Bac) £114.71
R3220 Tysley Connection train pack Hall Class "Pitchford Hall" in GWR green & 3 Mk1 coaches in chocolate and cream (Hor) £185.40

Diesel locos



31-366 Class 03 0-6-0 diesel shunter D2016 in BR Green (Bac) **NEW** £70.51



31-364 Class 03 0-6-0 diesel shunter D2383 in BR green wasp stripes - weathered (Bac) **NEW** £76.46



R3281 Class 09 09017 in National Railway Museum maroon - Railroad range (Hor) £34.20



1405[^] Class 14 "Teddy Bear" (ex British Rail Green) Blue Circle Cement (ex D9526) (Weathered). (Hel) (list £115) **BARGAIN** £75



1406[^] Class 14 "Teddy Bear" British Steel '45' (Ex British Rail) Green (Weathered) wasp ends. (Hel) (list £115) **BARGAIN** £75



1717 Class 17 diesel D8606 in green full yellow ends (Hel) £87
4D-012-003 Class 22 B-B Diesel Hydraulic D6311 in BR green small yellow panels & disc headcode box (Dap) £103



4D-012-001 Class 22 B-B Diesel Hydraulic D6316 in BR Green. Small yellow panels and disc headcode box (Dap) £103



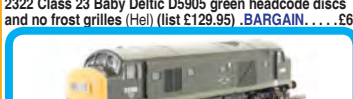
2320 Class 23 Baby Deltic D5900 green headcode discs and frost grilles - gloss (Hel) (list £129.95) **BARGAIN** £69



2321 Class 23 Baby Deltic D5901 green headcode discs and frost grilles (Hel) (list £129.95) £69



2322 Class 23 Baby Deltic D5905 green headcode discs and no frost grilles (Hel) (list £129.95) **BARGAIN** £69



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



32-431DC Class 24 24077 in BR blue indicator discs. DCC Fitted (Bac) £101.96



2800[^] Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125) £80



2801 Class 28 Co-Bo Diesel D5705 BR Green Small Yellow Panels (as preserved). (Hel) (list £125) **BARGAIN** £89



2807[^] Class 28 Co-Bo Diesel D5711 in Full BR Green modified windows. (Hel) (list £125) **BARGAIN** £89
3430 Class 33/0 diesel D6506 in BR blue full yellow ends (Hel) £95
3413 Class 33/0 diesel D6530 in BR green experimental yellow panels rounded top corners (Hel) £95



3411 Class 33/0 diesel D6577 in early BR green (Hel). £95
3521 Class 35 Hymek D7003 in BR green (Hel) £94
3520 Class 35 Hymek D7070 in BR blue full yellow ends (Hel) £94



32-781A Class 37/0 37034 BR Blue Split Head Code - weathered (Bac) £97.71



32-480DS Class 40 D211 "Mauretania" in BR green indicator discs. DCC Sound on board (Bac) (list £244.95) **BARGAIN** £189



31-656DC Class 47/0 D1677 "Thor" in BR green full yellow ends. DCC On Board (Bac) £106.21



32-815 Class 47/8 47834 "Fire Fly" BR Intercity Swallow (Bac) £93.46



32-529B Class 55 Deltic D9011 in BR two-tone green. Weathered (advertised earlier as "pristine") (Bac) £93.46



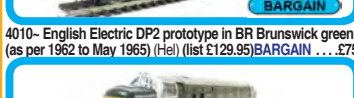
5823 Class 58 58036 Railfreight Redstripe Livery Orange Cantrail Stripe. (Hel) £125
5821 Class 58 58045 Railfreight Coal Livery (Hel) £125



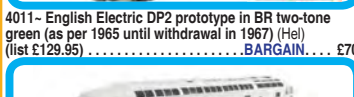
32-980 Class 66/9 66731 "InterhubGB" in GBRf Europorte (Bac) £93.46



R3272 Class 67 67006 "Royal Sovereign" (Hor) **NEW**. £110
31-996 Class D16 LMS 10000 in BR Brunswick green part eggshell blue waistband (Bac) £101.96



4010- English Electric DP2 prototype in BR Brunswick green (as per 1962 to May 1965) (Hel) (list £129.95) **BARGAIN** £75



4011- English Electric DP2 prototype in BR two-tone green (as per 1965 until withdrawal in 1967) (Hel) (list £129.95) £70



4005- Lion Diesel loco D0260 in white 5 gold stripes (Hel) (list £129.95) £70

Visit

www.ehattons.com/brm13,500+ items available
with live stock information

Electric locos

31-678 Class 85 (AL5) Bo-Bo Electric 85026 in BR Blue single pantograph (Bac) (list £112.45) **BARGAIN** £86
 R3346 Class 92 92009 "Marco Polo" in DB Schenker (Hor) **NEW** £74.06

DMUs

32-285 Class 101 2 Car DMU in BR green speed whiskers "Newcastle/Middlesbrough" (Bac) £135.96
 8923 Class 128 DPU 55991 in Royal Mail Letters red (Hel) £94
 8940 Class 128 DPU Blue full yellow ends and flush fronts M55993 (Hel) (list £119.95) **BARGAIN** £69



8942 Class 128 DPU in BR blue - weathered M55995 (Hel) (list £129.95) **BARGAIN** £69



8991 Class 128 DPU in BR green small yellow panels & Midland style fronts M55989 (Hel) £94



8902 Class 128 DPU W55991 in early BR blue white cab roof domes and yellow gangway door covers (Hel) (list £119.95) **BARGAIN** £69



32-928 Class 150/1 2-car DMU 150150 in BR Regional Railways Sprinter - weathered. (Bac) £148.71



32-938 Class 150/2 2-car DMU 150204 in Northern Rail (Bac) £140.21



31-256DC Class 251 Blue Pullman 6-car Midland set in Nanking blue full yellow ends. DCC Fitted (Bac) (list £349.95) **BARGAIN** £290



32-516A Derby Lightweight 2 Car DMU in BR green speed whiskers (Bac) £123.21



8704 Railbus W&M E79962 in green large yellow panel-weathered. (Hel) (list £129.95) **BARGAIN** £79



8800 Railcar W79975 in BR light green speed whiskers & semi-gloss finish (Hel) £94



8801 Railcar W79976 in BR light green speed whiskers. Matt finish (Hel) £94

EMUs

R3290 Class 2-HAL 2 car EMU in BR green small yellow ends (Hor) £120.70
 R3290A Class 2-HAL 2 car EMU in BR green small yellow panels (Hor) £120.70



31-031 Class 350/2 Desiro 4 Car EMU 350 238 in London Midland (Bac) £149
 R3185 Class 395 Javelin 4 car EMU "Sir Chris Hoy" in Southeastern (Hor) £132

Train sets - analogue



R1174 Breakdown Hauler Train Set 0-4-0 loco, Breakdown Crane and Support Van (Hor) **NEW** £59



R1155 Pendolino trainset 390004 in Virgin Trains "Alstom Pendolino" branding (Hor) £130
 30-160 Rural Commuter set Class 105 2 car DMU BR green small yellow panels (Bac) £84.99
 30-170 Thames Clyde Express Midland Compound 1000, 2 x corridor composite & 3rd brake coach in LMS (Bac) £148.71



30-105 The Midland Marvel Midland 3F 3522 in LMS, brake van in LMS grey & 2 x 6-plank wagons (Bac) £110.46
 30-080 The Western Wanderer Class 57xx Pannier 3650 in GWR shunt livery green and GWR Toad brake van & shunters truck in GWR or (Bac) £84.96

Train sets - DCC

30-042 DCC starter train set 0-6-0 Saddle Tank loco & 0-6-0 Junior Diesel Shunter, 2 wagons, brake van & 36-500 controller (Bac) £127.49



R1173 e-Link DCC Western Master train set GWR Class 2721 steam loco & 3 wagons (Hor) £120



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



R4582 1960s Brighton Belle 3 car pack in umber and cream (Hor) £119
 C1069 57ft Stanier Corridor Brake BR Carmine & Cream M5688M (Dap) **NEW** £11.80
 4P-010-035 60ft Stanier Corridor Coach Corridor Composite BR Carmine & Cream M3934M (Dap) **NEW** £14
 C1058 60ft Stanier Corridor composite BR Carmine & Cream M3934M (Plastic kit) (Dap) **NEW** £10
 4P-010-033 60ft Stanier Corridor Comp BR Maroon Lined M3989M (Dap) **NEW** £13
 R4639 Arriva Trains Wales Mk3 Buffet first class (Hor) £26.40
 R4612 BR blue & grey Mk2E BSO brake second open lights (Hor) £27.80
 R4611 BR blue & grey Mk2E FO first open lights (Hor) £27.80
 R4613 BR blue & grey Mk2E TSO tourist second open (Hor) £23.10



C104B 57ft Stanier Corridor Brake BR Maroon Lined M5786M (Dap) **NEW** £10.80
 C103B 60ft Stanier Corridor composite BR lined maroon M3898M. Plastic kit (Dap) **NEW** £10
 4P-010-035 60ft Stanier Corridor Coach Corridor Composite BR Carmine & Cream M3934M (Dap) **NEW** £14
 C1058 60ft Stanier Corridor composite BR Carmine & Cream M3934M (Plastic kit) (Dap) **NEW** £10
 4P-010-033 60ft Stanier Corridor Comp BR Maroon Lined M3989M (Dap) **NEW** £13
 R4639 Arriva Trains Wales Mk3 Buffet first class (Hor) £26.40
 R4612 BR blue & grey Mk2E BSO brake second open lights (Hor) £27.80
 R4611 BR blue & grey Mk2E FO first open lights (Hor) £27.80
 R4613 BR blue & grey Mk2E TSO tourist second open (Hor) £23.10



R4607 BR green Mk1 CK composite corridor lights (Hor) £33.80
 R4608 BR green Mk1 SK second corridor in lights (Hor) £33.80
 39-503 Pack of 4 (Bac) (list £155.80) **BARGAIN** £122
 39-363 BR Mk2a TSO Tourist Second Open Network Southern (Bac) £33.96

NEW



R4370C FGV Mk3 Standard Open Coach (Hor) **NEW** £26.38
 R4597 FGV Night Riviera Mk3 sleeper (Hor) **NEW** £26.40
 R4597A FGV Night Riviera Mk3 sleeper (Hor) **NEW** £26.40
 R4597B FGV Night Riviera Mk3 sleeper (Hor) **NEW** £26.40

NEW



R4369C First Great Western Mk3 1st Coach (Hor) **NEW** £26.38
 R4369B First Great Western Mk3 1st Coach (Hor) **NEW** £26.38
 R4370D First Great Western Mk3 Standard Open Coach (Hor) **NEW** £26.38
 R4370E First Great Western Mk3 Standard Open Coach (Hor) **NEW** £26.38
 R4522B Gresley (Non Vestibuled) suburban 3rd class brake BR Crimmon (Hor) £37.30
 R4518A Gresley (Non Vestibuled) suburban 3rd class brake LNER teal (Hor) £39



R4521B Gresley (Non Vestibuled) suburban composite in BR Crimmon (Hor) £37.30
 R4592 InterCity 125 Executive Mk3 buffet (Hor) £26.40
 R4631 InterCity 125 Executive Mk3 TF first class (Hor) £26.40
 R4616 InterCity MK2E TSO tourist second open (Hor) £23.10
 39-470 LMS 60 ft Porchless Corridor Brake 1st BR Crimmon & Cream (Bac) £33.96
 39-465 LMS 60 ft Porchless Corridor Composite BR crimmon & cream (Bac) £33.96
 4P-010-032 RTR 57ft Stanier corridor brake LMS lined maroon 5566 (Dap) **NEW** £13

Wagons

NEW



R6699 Arenig Granite Co. Ltd 5 Plank Wagon (Hor) **NEW** £10.14

NEW



R6695 Bitrin Scientific Roads Ltd Tanker Wagon (Hor) **NEW** £12.95

NEW



R6710 BR (Dutch) Brake Van (Grey & Yellow) (Hor) **NEW** £13.88

NEW



R6691 BR 21 Ton Hopper Wagon Triple Pack (Hor) **NEW** £41.66

NEW



R6692 BR Blue Spot Fish Van 'E87085' (Hor) **NEW** £10.14
 R6692A BR Blue Spot Fish Van 'E87086' (Hor) **NEW** £10.14
 R6692B BR Blue Spot Fish Van 'E87087' (Hor) **NEW** £10.14

NEW



R6692A BR Blue Spot Fish Van 'E87086' (Hor) **NEW** £10.14
 R6692B BR Blue Spot Fish Van 'E87087' (Hor) **NEW** £10.14

NEW



R6683C BR Extra Long CCT Van 'E1279E' (Hor) **NEW** £12.49
 R6692A BR Blue Spot Fish Van 'E87086' (Hor) **NEW** £10.14
 R6692B BR Blue Spot Fish Van 'E87087' (Hor) **NEW** £10.14

NEW



R6679A BR Horse Box 'M42178' (Hor) **NEW** £18.51
 R6679 BR Horse Box 'M42369' (Hor) **NEW** £18.51

NEW



R6712A BR Open Wagon Triple Pack (Hor) **NEW** £23.14
 R6712 BR Open Wagon Triple Pack (Hor) **NEW** £23.14

NEW



R6708 BR Railfreight CDA Red Frame Canopy Wagon (Hor) **NEW** £23.14

NEW



R6705 BR Railfreight HAA MGR Red Frame Wagon (Hor) **NEW** £22.21
 R6706 BR Railfreight HAA MGR Red Frame Wagon Graffiti (Hor) **NEW** £22.21

NEW



R6707 BR Railfreight HAA MGR Wagon Triple Pack (Hor) **NEW** £64.81

NEW



R6643D BR Shunters Truck (South Lambeth) (Hor) **NEW** £10.14

NEW



R6694 BR Toad Brake Van (Hor) **NEW** £15.73

NEW



R6696 Coltness Iron Co 4 Plank Wagon (Hor) **NEW** £10.14

NEW



R6698 Derbyshire County Council 4 Plank Wagon (Hor) **NEW** £10.14

NEW



R6697 East Walbottle Coal Co. Ltd 4 Plank Wagon (Hor) **NEW** £10.14

NEW



R6703 G.T. Parker & Sons 7 Plank Wagon (Hor) **NEW** £10.14
 R6642C GWR Shunters Truck (Hales Owen) (Hor) **NEW** £10.14

NEW



R6704 Hickleton Main Colliery 7 Plank Wagon (Hor) **NEW** £10.14
 R6700 J. James & Co 5 Plank Wagon (Hor) **NEW** £10.14

NEW



R6678 LMS Horse Box '42513' (Hor) **NEW** £18.51

NEW



R6682C LNER Extra Long CCT Van '1238' (Hor) **NEW** £12.49
 R6682B LNER Extra Long CCT Van '1247' (Hor) **NEW** £17

NEW



R6709 Loadhaul ZBA Rudd (Black & Orange) (Hor) **NEW** £9.25

NEW



R6701 Logan & Sons 5 Plank Wagon (Hor) **NEW** £10.14
 R6711 Mainland Freight Blue Shark Wagon (Hor) **NEW** £15.51
 R6702 Scottish Gas Board 7 Plank Wagon (Hor) **NEW** £10.14
 38-500 'Covhop' covered hopper in BR bauxite (Bac) £18.28
 38-500 Pack of 4 (Bac) (list £91.80) **BARGAIN** £66
 38-500 Megapack of 8 (Bac) (list £183.60) **BARGAIN** £126
 37-479 1 plank wagon in BR bauxite (Late) (Bac) **NEW** £8.46



Prices valid until 13/05/15

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



37-478 1 plank wagon in LMS bauxite (Bac) **NEW**...£8.46



38-701 12 Ton Pipe Wagon BR Bauxite (Early) (Bac) £17.81
38-701 12 Ton Pipe Wagon BR Bauxite (Late) (Bac) £17.81
38-325* 13 Ton high sided steel open wagon chain pockets in BR bauxite (early) (Bac) (list £14.50) **BARGAIN**...£10
38-325* Pack of 4 (Bac) (list £58) **BARGAIN**...£36
38-325* Megapack of 8 (Bac) (list £116) **BARGAIN**...£74
38-327* 13 Ton high sided steel open wagon smooth sides in BR bauxite (early) (Bac) (list £14.50) **BARGAIN**...£9.50
38-327* Pack of 4 (Bac) (list £58) **BARGAIN**...£36
38-327* Megapack of 8 (Bac) (list £116) **BARGAIN**...£70
37-253B 16 ton steel mineral wagon without top flap doors in BR grey - weathered (Bac) **NEW**...£12.70
4F-030-009 16T Steel Mineral BR Bauxite M620674 (Dap) **NEW**...£9.80
4F-030-010 16T Steel Mineral BR Bauxite M620674 - weathered (Dap) **NEW**...£10



4F-034-011 21T Hopper NCB 131 (Dap) **NEW**...£10
4F-034-012 21T Hopper NCB 131 - weathered (Dap) **NEW**...£11
4F-034-010 21T Hopper NE 193277 - weathered (Dap) **NEW**...£11
38-270A 22 ton Presto in Blue Circle Railfreight brown (Bac) £22
38-270A Pack of 4 (Bac) £80
4F-033-104 24T Hopper BISC (Dap) **NEW**...£10



4F-033-105 24T Hopper BISC - weathered (Dap) **NEW**...£11
4F-033-101 24T Hopper Cadbury (Dap) **NEW**...£10
4F-033-101 24T Hopper Cadbury - weathered (Dap) **NEW**...£11
R6606 3 x HAA MGR coal wagons (Railroad range) (Hor) £19
R6606 Box of 12 (Hor) (list £249) **BARGAIN**...£210
4F-040-011 4 Plank Wagon Cwmbran (Dap) **NEW**...£9.80



4F-051-021 5 Plank Constable Hart (Dap) **NEW**...£9.80
4F-051-022 5 Plank Constable Hart - weathered (Dap) **NEW**...£10
4F-051-019 5 Plank Vintnor (Dap) **NEW**...£9.80
4F-051-020 5 Plank Vintnor - weathered (Dap) **NEW**...£10



4F-051-013 5 Plank Wagon GWR (Dap) **NEW**...£9.80
4F-051-014 5 Plank Wagon GWR - weathered (Dap) **NEW**...£10



4F-031-015 6 Wheel Milk Tank IMS 36 (Dap) **NEW**...£13
4F-031-016 6 Wheel Milk Tank IMS 36 - weathered (Dap) **NEW**...£14
4F-080-007 8 Plank BR (Dap) **NEW**...£10
4F-080-008 8 Plank BR - weathered (Dap) **NEW**...£11
4F-080-006 8 Plank Southern Railways (Dap) **NEW**...£10
4F-080-005 8 Plank Southern Railways - weathered (Dap) **NEW**...£11
4F-016-009 Banana Van GWR (Dap) **NEW**...£9
4F-016-010 Banana Van GWR - weathered (Dap) **NEW**...£11
4F-036-017 Bulk Grain Hopper GWR Avonmouth (Dap) **NEW**...£11
4F-037-007 Conflat & Container GWR K-1674 (Dap) **NEW**...£12.50
4F-037-008 Conflat & Container GWR K-1674 - Weathered (Dap) **NEW**...£13.50



4F-060-013 Dutch Grampus DB988579 (Dap) **NEW**...£12
4F-060-014 Dutch Grampus DB988579 - Weathered (Dap) **NEW**...£13
4F-044-004 Feab Container Twin Pack OO F/Liner 640011 + 640012 (Dap) **NEW**...£31
4F-044-001 Feab Container Twin Pack OO F/Liner 640707 + 640708 (Dap) **NEW**...£31
4F-044-003 Feab Container Twin Pack OO F/Liner 640719 + 640720 (Dap) **NEW**...£31
4F-044-002 Feab Container Twin Pack OO F/Liner 640721 + 640722 (Dap) **NEW**...£31
38-345A* FNA Nuclear Plank wagon flat floor & round buffers in standard buff - Plank 3 (Bac) (list £29.95) **BARGAIN**...£17
38-345A* Pack of 4 (Bac) (list £119.80) **BARGAIN**...£65
38-345A* Megapack of 8 (Bac) (list £239.60) **BARGAIN**...£128
4F-014-009 Fruit D Wagon GWR Shirtbutton (Dap) **NEW**...£14



4F-014-010 Fruit D Wagon GWR Shirtbutton 2894 (Weathered) (Dap) **NEW**...£15
4F-015-007 Fruit Mex BR B833359 (Dap) **NEW**...£9
4F-015-008 Fruit Mex BR B833359 - weathered (Dap) **NEW**...£10
4F-015-005 Fruit Mex GWR #38274 (Dap) **NEW**...£9
4F-015-006 Fruit Mex GWR #38274 - weathered (Dap) **NEW**...£10



4F-060-015 Grampus BR Black DB990412 (Dap) **NEW**...£12
4F-060-016 Grampus BR Black DB990413 - Weathered (Dap) **NEW**...£13
4F-013-017 Gunpowder Van SR (Dap) **NEW**...£9



R6693 GWR Toad Brake Van (Hor) **NEW**...£15.73
37-313 Intermodal bogie wagon 2 x 43ft containers in Maersk (Bac) £42.46
38-250 IPA twin double deck car transporter in 'STVA' red (Bac) £37
38-250 Pack of 4 (Bac) (list £199.80) **BARGAIN**...£140
38-200A JPA bogie cement hopper 'VTG - Lafarge Cement' (Bac) £30.56
38-200A Pack of 4 (Bac) (list £143.80) **BARGAIN**...£112
38-200A Megapack of 8 (Bac) (list £287.60) **BARGAIN**...£212



38-300 Pack of 4 OTA (ex-VDA) timber carrier lumber load in BR Railfreight (Bac) (list £99.80) **BARGAIN**...£77
38-300 Single (Bac) £20
38-287 Pack of 3 22 ton Prestos in BR bauxite - weathered (Bac) £66.73



38-285 Pack of 3 22 ton Prestos in Tunnel Cement (Bac) £46.71
37-982 Pack of 3 Conflat wagons in BR bauxite BD containers in BR crimson - weathered (Bac) £36.51
R6371 Petrol tanker wagon in Shell black (Hor) £66
R6371 Pack of 6 (Hor) (list £37.50) **BARGAIN**...£33
4F-032-014 Rectangular Tank Yorkshire & Lincolnshire Tar Wagon - weathered (Dap) **NEW**...£14



4F-071-015 SR 7 Plank 37454 (Dap) **NEW**...£9
4F-071-016 SR 7 Plank 37454 - Weathered (Dap) **NEW**...£10
4F-012-005 Ventilated Van BR B768124 (Dap) **NEW**...£9
4F-012-006 Ventilated Van BR B768124 Weathered (Dap) **NEW**...£10



B909F Megafret Twin Pack & 2 X 40' High Cube Containers (Dap) **NEW**...£25



B909E Megafret Twin Pack & 2 X 40' High Cube Containers, Malcolm Group (Dap) **NEW**...£25



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



DCC-21PIN-Direct Box of 10 21-pin 4-function 1.1Amp direct plug decoder back EMF (Hat) £110
DCC-21PIN-Direct Single (Hat) £12
DCC-21PIN-Direct Box of 5 (Hat) £57



36-557 Pack of 5 21-pin E-Z Command 4-function 1A decoder back EMF (Bac) (list £92.50) **BARGAIN**...£70
36-557 Single (Bac) £14.50



R8249 Box of 6 8-pin 4-function 2-sided 0.5A (1A peak) decoder (Hor) £76
R8249 Single (Hor) £14
DCR-8PIN-Direct 8-pin compact direct 4-function 1.1Amp decoder back EMF (Hat) £13
DCR-8PIN-Direct Box of 5 (Hat) £59
DCR-8PIN-Direct Box of 10 (Hat) £105
DCC-Z218-5 ZEV 218 21 & 8-pin 4-function 1.1A Decoder Stay Alive (22x16x4mm) (5 Pack) (DCC) £100

DCC accessory decoders



R8247 DCC accessory decoder (for points and motors) (Hor) £32
PC2 One Touch DCC Quad Point Controller x 4 (Tra) £32

DCC controllers



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

DCC accessories



R8239 Power and Signal Booster - can be used any DCC controlled system (Hor) £74

Point motors



DCP-CB120MG Cobalt slow-action analogue point motor x 12 (ex. DCP-CB12) (DCC) £135
DCP-CB60MG Cobalt slow-action analogue point motor x 6 (ex. DCP-CB6) (DCC) £75
R8014 Mark 2 Point Motor (Hor) £7



R8243 Surface Mounted point motor (Hor) £7

Switches & Levers



R044 Passing contact lever frame switch (for point motors) (Hor) £9

Electronic components

DCC40 Reverse loop control module (Gau) £32

Spares

SL-111 Finescale insulated rail joiners/fishplates (Code 70, 75 & 83) for OO & HO gauge - Pack of 12 (Pec) £2.30
SL-110 Finescale rail joiners/fishplates (for code 70, 75 & 83) for OO & HO gauge - Pack of 24 (Pec) £2.20
SL-11 Insulated rail joiners/fishplates (for OO, HO & O gauge code 100 rails incl. Hornby, Peco & Peco Streamline) - Pack of 12 (Pec) £2



36-064 Long Cranked NEM Coupling (x10) (Bac) **NEW**...£7.61
SL-100 Metal rail joiners/fishplates (for code 100 rails incl. Hornby, Peco & Peco Streamline). For OO, HO & O gauge - Pack of 24 (Pec) £2
36-030 Mk2 Couplings NEM shaft (straight) pocket x 10 (Bac) £6
18KADEE NEM-362 Medium Coupler - 8.63 mm (11/32") (w/o Draft Gear Boxes) (2 pair) (Kad) £3.50

Wheel sets

36-024 Pair of LMS bogies. (Bac) £5

Buildings - railways

PQ213 2 Road Red Brick Engine Shed & Workshop Building (Card Kit) (Met) £13
LK-20X Double length overall arched station roof (Pec) £18

Man-made scenic structure railway-related



LK-55 76ft Well type turntable (Pec) £39



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



SS91 Ground Frames (Wil) **NEW**...£7.50



552ratio GWR Signal Box (Rat) **NEW**...£20.50



4L-002-001 Signal - Motorised, LMS home (OOSIGN3) (Dap) £22



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

Buildings - general

Man-made scenic structure - non-railway

44-539 Platform Tractor Unit (Bac) £12

Bridges, Tunnels & Walls

M0057 Cut Stonework M1 Style - 4 x sheets of thick card & 4 x sheets of thin card (Met) **NEW**...£5



44-225 Low Relief Retaining Walls (168 x 10 x 85mm) (Bac) £14.41
P0245 Retaining Wall in Stone - 4 wall sections per kit (Met) £11

People - civil

36-407 1950s Train Crew x 6 (Bac) £6.21
36-047 Locomotive staff x 6 (Bac) £6.21

Track - Code 100 Sctrack

ST-245 Sctrack curved double radius left handed point insulfrog (Pec) £14
ST-244 Sctrack curved double radius right handed point insulfrog (Pec) £14
ST-201 Sctrack double straight (Pec) £2



ST-241 Sctrack No.2 radius left handed point insulfrog (Pec) £9
ST-240 Sctrack No.2 radius right handed point insulfrog (Pec) £9
ST-204 Sctrack Quad Straight (Pec) £3.50
ST-204 Box of 24 (Pec) £76

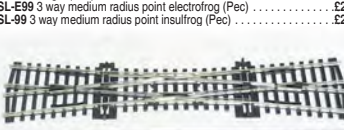
Track - Code 100 Streamline



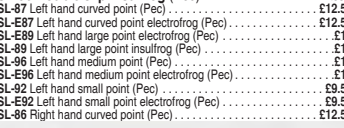
SL-100 Pack of 25 1 yard (91.5cm) length of Code 100 Wooden-sleeper nickel silver flexible track (Pec) £66
SL-100 Single (Pec) £3



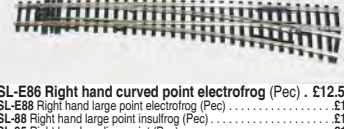
SL-102 Pack of 25 1 yard (91.5cm) length of Nickle Silver concrete-sleeper flexible track (Pec) £70
SL-102 Single (Pec) £3
SL-E99 3 way medium radius point electrofrog (Pec) £25
SL-99 3 way medium radius point insulfrog (Pec) £25



SL-90 Double slip insulfrog (Pec) £31
SL-87 Left hand curved point (Pec) £12.50
SL-87 Left hand curved point electrofrog (Pec) £12.50
SL-E89 Left hand large point electrofrog (Pec) £12
SL-88 Left hand large point insulfrog (Pec) £12
SL-88 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-E92 Left hand small point (Pec) £9.50
SL-E92 Left hand small point electrofrog (Pec) £9.50
SL-86 Right hand curved point (Pec) £12.50



SL-E86 Right hand curved point electrofrog (Pec) £12.50
SL-E88 Right hand large point electrofrog (Pec) £12
SL-88 Right hand large point insulfrog (Pec) £12
SL-95 Right hand medium point (Pec) £10
SL-E95 Right hand medium point electrofrog (Pec) £10
SL-91 Right hand small point (Pec) £9.50
SL-E91 Right hand small point electrofrog (Pec) £9.50
SL-80 Single slip insulfrog (Pec) £28



SL-102F 1 yard (91.5cm) length of finescale Nickle Silver concrete-sleeper flexible track (Pec) £3
SL-102F Pack of 25 (Pec) £72



Opening Hours

Shop 8am to 6pm Mon to Sat
10am to 4pm Sun

Phones 7am to 9pm Mon to Thu
8am to 6pm Fri & Sat
9am to 5pm Sun



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-E186 Finescale right hand curved point electrofrog (Pec) £12.50
SL-E188 Finescale right hand large point electrofrog (Pec) £12



SL-E195 Finescale right hand medium point electrofrog (Pec) £12
SL-E191 Finescale right hand small point electrofrog (Pec) £10

Track & Points

R8090 1 single yard length of Semi-Flexible Track (Hor) £3.50
R8090 Pack of 24 (Hor) £79
R609 3rd radius double curve track (8 make a circle) (Hor) £3
R609 Circle of 8 (Hor) £22
R6262 Double 4th radius curve (8 make a circle) (Hor) £3
R601 Double Straight (Hor) £2.25
R601 Box of 24 (Hor) £49
R6072 Left Hand Standard Point (Hor) £9
R603 Long Straight (Hor) £3.25



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
R6073 Right Hand Standard Point (Hor) £9



R621 Pack of 24 Single 970mm length of flexible track (Hor) £66
R621 Single (Hor) £3



R600 Box of 24 Standard Straight (Hor) £33
R600 Single (Hor) £1.40

Track underlay



GM200 5 metres of realistic grey ballasted OO gauge underlay (Gau) £19
SL-80 Roll of foam track underlay sleeper indentation. Suitable for Setrack and Streamline 5m long (16' 4") (Pec) £8

Railway publications



36-2015 Bachmann Branchline 2015 Catalogue (Bac) £6.80



R8150 Hornby 2015 Catalogue (Hor) £7.50

Buses



34003EFE AEC 2RT2 Bus 'London Transport' (EFE) £26.50
27704EFE AEC STL Bus (No Roof Box) Green Country 'London Transport' (EFE) £26.50



38302EFE Alexander Y Type Bus "Lincolnshire road car" (EFE) £26.50
B202A Bristol MW Single Deck Bus 'Crosville' to Blaenau Ffestiniog (circa 1964-1977) (Bas) £16



B201A Bristol MW Single Deck Bus "Eastern Counties" to Cromer (circa 1959-1974) (Bas) £16
B201B Bristol MW Single Deck Bus 'Eastern Counties' to Ipswich (circa 1959-1978) (Bas) £16
38117EFE Bristol VRT 'Midland General' (EFE) £26.50
OM46410A Caetano CT650, Luckett's Travel, Isle of Wight Festival (Cor) £30



28909EFE GM standard Atlantean "Yorkshire Rider Leeds" (EFE) £26.50



17311EFE Leyland National MK1 Long "Green Line N.B.C." (EFE) £26.50



29632EFE Leyland Olympian "Northumbria" (EFE) £26.50
76PAN001 Plaxton Panorama I Southdown (Oxf) £13



76IRZ003 Scania Irizar PB Ulsterbus (Oxf) £17
28823EFE Titan London Transport Golden Jubilee Bus (EFE) £29



76WFL002 Weymann Fanfare Triumph Coaches Leyland (Oxf) £13

Cars



76TIL006 Austin Tilly City of Leeds Fire Brigade (Oxf) £4.75



76BT2002 Bentley T2 Saloon Nutmeg Silver Sand (Oxf) £4.75



76MINGT003 Mini 1275GT Flame Red (Oxf) £4.75

Commercial vehicles



76CA025 Bedford CA Minibus Royal Navy (Oxf) £5



76CMP007 CMP LAA Tractor Southdown (Oxf) £8.95



39001 Foden S24 Short 2 Axle Tipper "Limmer & Trinidad" (EFE) £26
76FCR001 Fowler B6 Crane Marston's Duke of York (Dorset) (Oxf) £13
76KRS004 Konecranes Reach Stacker NATO Green (Oxf) £20



76LAN2011 Land Rover Series II Canvas Back Bronze Green (Oxf) £4.95
76IRZ002 Scania Irizar PB 'Wilfreda Beehive' (Oxf) £17

Military ground vehicles

76BD011 Bedford OX Queen Mary Trailer RAF 108 Repair Salvage Unit Tunisia 1943 (Oxf) £12

N Gauge

Steam locos



ND095a Britannia Pacific 4-6-2 70000 "Britannia" in BR Green late crest and original smoke deflectors (Dap) £107



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



ND095BD Britannia Pacific 4-6-2 70013 "Oliver Cromwell" in British Railways Green early crest. DCC Fitted (Dap) £119



372-626 Class 2MT Ivatt 2-6-0 46440 in BR lined black early emblem (Gra) £93.46

372-625 Class 2MT Ivatt 2-6-0 46521 in BR lined green late crest (Gra) £93.46
25-015-003 Class 2MT Ivatt 2-6-2 in BR black late crest (Dap) £53
25-014-001 Class 45xx 2-6-2 4518 in GWR green (Dap) £53



372-061 Class 4F 0-6-0 3851 in LMS black Johnson tender (Gra) £93.46



372-062 Class 4F 0-6-0 43875 in BR black early emblem & Johnson tender (Gra) £93.46



372-060 Class 4F 0-6-0 43924 BR black late crest & Fowler tender (Gra) £93.46



372-751 Class 4MT Fairburn 2-6-4 tank 42096 in BR black early emblem (Gra) £89.21



372-139 Class 5 4-6-0 45206 in BR Lined Black Early Emblem (Gra) £118.96



372-138 Class 5 4-6-0 5190 in LMS plain black (Gra) £110.46



25-007-007 Class 57xx Pannier #4607 in BR black early crest (Dap) £61



372-480 Class 6P Jubilee 4-6-0 5664 "Nelson" in LMS Crimson (Gra) £110.46



25-001-000 Class 7800 Manor 4-6-0 7810 "Draycott Manor" in BR lined green late crest (Dap) £100



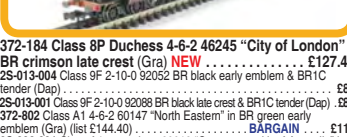
25-017-001 Class 7MT Britannia 4-6-2 70006 "Robert Burns" in BR green early emblem (Dap) £101



25-017-010 Class 7MT Britannia 4-6-2 70006 "Robert Burns" in BR green early emblem. DCC Fitted (Dap) £119



25-017-005 Class 7MT Britannia 4-6-2 70025 "Western Star" in BR green late crest - weathered (Dap) £107



372-181 Class 8P Duchess 4-6-2 46229 "Duchess of Hamilton" BR green early emblem (Gra) £126



372-182 Class 8P Duchess 4-6-2 46235 "City of Birmingham" BR green late crest (Gra) £127.46



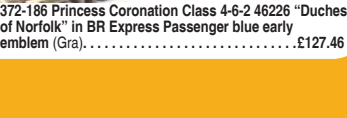
372-184 Class 8P Duchess 4-6-2 46245 "City of London" BR crimson late crest (Gra) £127.46



25-013-004 Class 9F 2-10-0 92052 BR black early emblem & BR1C tender (Dap) £87



372-802 Class A1 4-6-2 60147 "North Eastern" in BR green early emblem (Gra) (list £144.40) BARGAIN £111



25-008-001 Class A4 steam loco 60012 "Commonwealth of Australia" in BR green early crest (Dap) £105

25-016-003 Class M7 0-4-4 in BR black late crest (Dap) £53

25-016-001 Class M7 0-4-4 in Southern Railway green (Dap) £53

25-016-004 Class M7 0-4-4 in Southern Railway green - weathered (Dap) £57

372-427 Class WD Austerity 2-8-0 90201 BR black late crest - weathered (Gra) £122.83

372-186 Princess Coronation Class 4-6-2 46226 "Duchess of Norfolk" in BR Express Passenger blue early emblem (BR) £127.46

Visit

www.ehattons.com/new

for new releases

Train packs



2D-007-001 Class 66 diesel in "Malcolm" 6 Megafret wagons & 45' containers (Dap) £140



2D-010-003 Class 67 diesel loco in Arriva Trains Wales blue 2x Mk3 coaches and Mk3 DVT to match (Dap) £131

Diesel locos

371-019 Class 08 diesel 08897 in EWS - weathered (Gra) £76.46
 2D-020-002 Class 153 DMU 153371 London Midland grey & green (Dap) £79
 2D-021-002 Class 156 2 car DMU 156419 in Provincial (Dap) £95
 2D-021-001 Class 158 2 car DMU 156508 Strathclyde Passenger Transport (Dap) £95
 371-032 Class 20 diesel 20063 BR blue indicator discs - weathered (Gra) £93.46
 2D-012-010 Class 22 diesel loco D6311 in BR green no yellow panels & disc headcodes (Dap) £106



2D-012-010D Class 22 diesel loco D6311 in BR green no yellow panels & disc headcodes. DCC Fitted (Dap) £124
 2D-012-008D Class 22 diesel loco D6311 in BR green small yellow panels & disc headcodes. DCC Fitted (Dap) £124
 2D-012-013 Class 22 diesel loco D6315 in BR blue (pre-TOPs font numbering) - weathered (Dap) £111
 2D-012-013D Class 22 diesel loco D6315 in BR blue (pre-TOPs font numbering) - weathered. DCC Fitted (Dap) £129
 2D-012-014D Class 22 diesel loco D6315 in BR blue (pre-TOPs font numbering). DCC Fitted (Dap) £124
 2D-012-009 Class 22 diesel loco D6316 in BR green small yellow panels & disc headcodes (Dap) £111
 2D-012-009D Class 22 diesel loco D6316 in BR green small yellow panels & disc headcodes. DCC Fitted (Dap) £129



2D-012-011D Class 22 diesel loco D6327 in BR green amended yellow panels & disc headcodes. DCC Fitted (Dap) £124
 2D-012-014 Class 22 diesel loco D6326 in BR blue (pre-TOPs font numbering) (Dap) £106
 2D-012-012D Class 22 diesel loco D6330 in BR blue (TOPs font numbering) - weathered. DCC Fitted (Dap) £124
 371-086 Class 25/1 diesel D5222 in BR green, weathered (Gra) £93.46



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



371-110 Class 31 diesel 5826 in BR green full yellow ends (Gra) £100.26



2D-018-004 Class 35 Hymek D7024 in BR green - weathered (Dap) £85
 2D-018-004D Class 35 Hymek D7024 BR green - weathered. DCC Fitted (Dap) £103
 2D-018-002 Class 35 Hymek D7026 BR blue full yellow ends - weathered (Dap) £85
 2D-018-002D Class 35 Hymek D7026 in BR blue full yellow ends - weathered. DCC Fitted (Dap) £103



2D-018-003 Class 35 Hymek D7026 in BR green (Dap) £79
 2D-018-003D Class 35 Hymek D7026 in BR green. DCC Fitted (Dap) £99
 2D-018-006 Class 35 Hymek D7035 in BR blue full yellow ends - Non powered dummy (Dap) £36
 2D-018-005 Class 35 Hymek D7072 BR green - Non powered dummy (Dap) £36



371-455 Class 37 diesel 37251 in BR blue, weathered (Gra) £106.21



371-454 Class 37 diesel D6827 in BR green centre headcode, weathered (Gra) £106.21
 371-456 Class 37/0 diesel 37133 in Engineers Dutch (Gra) £101.96



371-165 Class 37/4 diesel 37407 'Loch Long' in BR blue large logo (Gra) £89.21



371-168 Class 37/5 diesel 37506 Railfreight Red Stripe (Gra) £89.21
 371-167 Class 37/5 diesel 37514 in Railfreight Metal Sector (Gra) £89.21



2D-019-001 Class 43 HST Book Set in BR blue & grey - W43047, W43046 & two Mk3 coaches (Dap) £135



2D-019-003 Class 43 HST Book Set in Intercity Executive - W43126, W43125 & two Mk3 coaches (Dap) £135
 2D-004-007 Class 56 diesel 56090 BR blue large logo (Doncaster built) (Dap) £101



371-657 Class 57 diesel 57309 'Pride of Crews' in DRS Compass (Gra) £93.46
 371-656 Class 57 diesel 57312 in Network Rail yellow (Gra) £93.46
 371-384 Class 66 diesel 66209 in EWS - weathered (Gra) £99.41
 2D-007-003 Class 66 diesel loco 66177 EWS Experimental white roof (Dap) £78
 2D-007-003D Class 66 diesel loco 66177 in EWS Experimental white roof. DCC Fitted (Dap) £95
 2D-007-004D Class 66 diesel loco 66612 in unbranded Freightliner green. DCC Fitted (Dap) £95

Electric locos

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

HSTs

ND122J Class 43 HST Book Set in Virgin Trains 43094 & 43104 (Dap) £135

DMUs

371-503 Class 101 2-car DMU BR blue & grey 'Express Parcels' (motor in each car) (Gra) (list £119.95) £98



371-740 Class 251 Blue Pullman 6 car Midland set in Nanking blue (Gra) £229.46
 371-741^ Class 251 Blue Pullman 6 car Midland set in Nanking blue full yellow ends (Gra) (list £269.95) £171

EMUs



372-677 Class 411 4 CEP 4 car EMU in BR blue & grey (Gra) £137.02

Train sets - analogue



370-180 Seaside Excursion Class 4F 44044 in BR black late crest and BR Mk1 BCK & SO coaches in maroon (Gra) £110.46



370-140 The Steel Worker Class 08 D3406 in BR green & 3 x 24-Ton 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

2P-000-151 Collett Coach GWR Chocolate & Cream 3rd Class 1062 (Dap) £18
 2P-000-152 Collett Coach GWR Chocolate & Cream 3rd Class 1094 (Dap) £18
 2P-000-153 Collett Coach GWR Chocolate & Cream 3rd Class 1109 (Dap) £18
 2P-000-251 Collett Coach GWR Chocolate & Cream Brake Composite 6537 (Dap) £18
 2P-000-451 Collett Coach GWR Chocolate & Cream Composite 7053 (Dap) £18
 2P-000-052 Collett Coach GWR Chocolate & Cream Composite 7064 (Dap) £18
 2P-012-151 Maunsell Coach Composite Lined Green (Dap) £20



2P-012-251 Maunsell Coach Set 469 Maunsell Lined Green (Dap) £72



374-085A Mk1 BCK Brake Corridor Composite Blue & Grey (Gra) £20.83



374-084A Mk1 BCK Brake Corridor Composite Maroon - Weathered (Gra) £21.68



2D-017-002 MkIII DVT in InterCity (Dap) £36



2D-017-001 MkIII DVT in Network Rail (Dap) £36

Wagons

377-426 12 Ton Southern 2+2 Planked Ventilated Van BR Grey (Gra) £13.56



377-425 12 Ton Southern Planked Ventilated Van SR Brown (Gra) £13.56
 2F-038-018 20T Steel Mineral BR B315783 - weathered (Dap) £11



2F-038-019 20T Steel Mineral PJ & JP (Dap) £10
 2F-038-020 20T Steel Mineral PJ & JP - weathered (Dap) £11



2F-034-023 21T Hopper House Coal Concentration (Dap) £9.70



2F-034-024 21T Hopper House Coal Concentration - weathered (Dap) £10

2F-034-015 21T Hopper NCB 145 (Dap) £9.70
 2F-034-016 21T Hopper NCB 145 - weathered (Dap) £10
 2F-034-013 21T Hopper NE 193267 (Dap) £9.70
 2F-034-014 21T Hopper NE 193267 - weathered (Dap) £10
 377-503 3 Plank Wagon in BR Departmental Olive Green (Gra) £7.61



377-504 3 Plank Wagon LMS Bauxite (Gra) £7.61
 2F-031-009 6 Wheel Milk Tanker CWS Green (Dap) £13
 2F-031-008 6 Wheel Milk Tanker Express Dairy (Silver) (Dap) £13
 2F-031-007 6 Wheel Milk Tanker Milk Marketing Board (Dap) £13
 2F-031-006 6 Wheel Milk Tanker West Park Dairy (Dap) £13



377-128 8 Plank End Door Wagon 'G&S Bull' (Gra) £12.33



377-153 8 Plank Fixed End Wagon 'R. W. Hill' (Gra) £12.33



377-206 8 Plank Wagon Coke Rails 'Suncoke' (Gra) £12.33
 2F-036-011 Bulk Grain Hopper - Bass Charrington 36 (Dap) £13



2F-036-009 Bulk Grain Hopper - BR Livery B885323 (Dap) £13
 2F-036-010 Bulk Grain Hopper - BR Livery B885323 - weathered (Dap) £13
 2F-013-017 Gunpowder Van Blue Circle 145 (Dap) £8.80
 2F-013-018 Gunpowder Van Blue Circle 145 - weathered (Dap) £9.70
 2F-010-001 JNA 'Falcon' wagon in Network Rail yellow (Dap) £17
 2F-010-002 JNA 'Falcon' wagon in Network Rail yellow (Dap) £17
 2F-010-003 JNA 'Falcon' wagon in Network Rail yellow (Dap) £17
 2F-053-002 Megafret Wagon (3368 4943 055) + 2 Stobart Rail Containers (Dap) £25
 2F-053-003 Megafret Wagon (3368 4943 061) + 2 Less Co2 Containers - weathered (Dap) £30



2F-053-001 Megafret Wagon (3368 4943 076) + 2 Less Co2 Containers (Dap) £25



2F-024-011 Siphon G BR W1441 (Dap) £13
 2F-024-015 Siphon G BR W1441 - weathered (Dap) £13

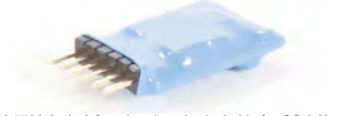


377-935^~ Triple pack PCA metalair bulk powder wagon grey - weathered (Gra) (list £36.95) £20

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

Electronic components

DCC40 Reverse loop control module (Gau) £32

Cables & Wires

PL-82 Power feed joiners - Code 55/80 (x4 pairs) (Pec) £6

Spares

SL-311 Insulated Rail Joiners/Fishplates for N & 009 gauge (12 per pack) (Pec) £1.50
 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



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

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

Signals



2L-001-001 Signal - Motorised, GWR home lower quadrant (ex-NSIGN1) (Dap) £22

Track - Code 80 Setrack

ST-11 Double straight track (Pec) £1.50
ST-17 N Setrack No3 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

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) £9.50
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 track (Pec) £84
SL-300F Single (Pec) £3
SL-302F 1 Yard of Nickel Silver Flexible Track Concrete Sleepers (Pec) £3.50
SL-302F Pack of 30 (Pec) £91
SL-E399F 3-way finescale turnout (Pec) £26
SL-E387F Finescale curved double radius left hand point electrofrog (Pec) £11
SL-E386F Finescale curved double radius right hand point electrofrog (Pec) £11
SL-E390F Finescale double slip electrofrog (Pec) £35
SL-E389F Finescale left hand large point electrofrog (Pec) £10
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

Railway publications



379-015 Graham Farish 2015 Catalogue (Gra) NEW £6

Commercial vehicles



NFG006 Foden FG Oval Tanker Regent (Oxt) NEW £4.95



NP007 Karrier bantam flatbed in dark green (Bas) NEW £4



NP005 Karrier Bantam van in red (Bas) NEW £4

HO Gauge (1:87 Scale)

Electronic components

DCC40 Reverse loop control module (Gau) £32

O Gauge (1:43 Scale)

Wagons

1051 100xx OAA in BR bauxite - late (Hel) £63

NEW



1053 100xx OAA in Railfreight red and grey (Hel) NEW £63
1052 100xx OAA in Railfreight red and grey (Hel) NEW £63
1041 200xx VAA sliding door van in BR bauxite - late (Hel) £63



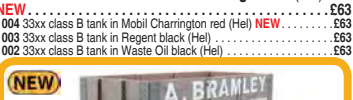
1042 200xx VAA sliding door van in Railfreight red & grey (Hel) £63



1007 33xx class B tank in Esso black without full branding (Hel) £63



1005 33xx class B tank in Mobil Charrington red (Hel) NEW £63
1004 33xx class B tank in Mobil Charrington red (Hel) NEW £63
1003 33xx class B tank in Regent black (Hel) NEW £63
1002 33xx class B tank in Waste Oil black (Hel) £63



7F-051-017 5 Plank A Bramley (Dap) NEW £33.50
7F-051-017W 6 Plank A Bramley - Weathered (Dap) NEW £33.50
7F-071-024 7 Plank "Ace of Clubs" (Dap) NEW £33.50
7F-071-020 7 Plank "John Stephens" (Dap) NEW £33.50
7F-071-021 7 Plank "Osman Trevor Powell" (Dap) NEW £33.50
7F-071-024W 8 Plank "Ace of Clubs" - Weathered (Dap) NEW £33.50
7F-080-014 8 Plank "Derbyshire Carriage and Wagon Works" (Dap) NEW £33.50

Point motors

DCC-CB60MG Cobalt slow-action analogue point motor x 6 (ex DCC-CB6) (DCC) £75

Man-made scenic structure railway-related



LK-761 GWR Station Seats (Pec) NEW £7
LK-762 MR Station Seats (Pec) NEW £7
LK-760 Telephone Kiosk (Pec) NEW £7.50



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-E792BH Left hand point bullhead rail and electrofrog (Pec) £39
SL-E791BH Right hand point bullhead rail and electrofrog (Pec) £39

Cars



43JAGV1007 Jaguar MkVII 1952 Silverstone S Moss (Oxt) NEW £18

Motorcycles & Scooters



LK-764 Bicycles (Pec) NEW £7

G Scale Wagons

NEW



98014 Cream tanker (Thomas the Tank Range) (Bac) NEW £46
98013 Open wagon red (Thomas the Tank Range) (Bac) NEW £46

Any or Multiple Scales

Analogue controllers



COMBI Combi 12v 1Amp Single Track Controller Transformer (Gau) £30



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



Q Quadruple 4 circuit power controller (Gau) £130

Analogue power supplies



M1 Transformer Output 2 x 16v AC 1A (Gau) £37

Analogue point control



PL-15 Twin Microswitch (Pec) £6

DCC decoders

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



DCR-8PIN-Harness Box of 10 8-pin (harness) 4-function 1.1Amp decoder back EMF (Hat) £94
DCR-8PIN-Harness Single (Hat) £10
DCR-8PIN-Harness Box of 5 (Hat) £48
36-553 8-pin 3-function 0.75A decoder back EMF (Bac) £15.50
10231-01 8-pin 3-function 1-sided 1/1.8A decoder (Outputs A, B & C) (Len) £18

DCC accessory decoders

DCD-AD8FX COBALT ip Accessory Decoder (8 Way) (DCC) £41

DCC controllers



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



524-042 NCE Power Cab controller 12V 1.5A (NCE) £136



DCC02 Prodigy "Advance 2" starter DCC controller package (Gau) £215



DCC03 Prodigy "Advance 2" Wireless starter DCC controller package (Gau) £369



DCC01 Prodigy Express Package. Can be extended the DCC13 Walkaround or DCC51 Wireless (Gau) £124

Point motors

DCC-CB12IP COBALT ip Slow Action Analogue Point Motor (12 Pack) (DCC) £146
DCC-CB6IP COBALT ip Slow Action Analogue Point Motor (6 Pack) (DCC) £82
DCC-CB12DIP COBALT ip Slow Action Digital Point Motor (12 Pack) (DCC) £177
DCC-CB6DIP COBALT ip Slow Action Digital Point Motor (6 Pack) (DCC) £94



DCC-CB120MG Cobalt slow-action analogue point motor x 12 (ex. DCC-CB12) (DCC) £135
PL-10WE High performance turnout point motor extended pin (Pec) £6



PL-10 Bag of 6 Point Motor (Switch Machine) (Pec) £34
PL-10 Single (Pec) £6



PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec) £34
PL-10E Single (Pec) £6
PM-2 Seep point motor (Gau) £3.50



PM-1 Seep point motor accessory switch (Gau) £4



PL-11 Side mounted point motor (Pec) £7.50

Switches & Levers



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



DCC-CBS12 Cobalt S - Lever all accessories - unpainted x 12 (DCC) £165



DCC-CBS6 Cobalt S - Lever all accessories - unpainted x 6 (DCC) £90



PL-26B Passing Contact Switch - Black Lever (Pec) £5.50



PL-26R Passing Contact Switch - Red Lever (Pec) £5.50
PL-26Y Passing Contact Switch - Yellow Lever (Pec) £5.50

Cables & Wires

PL-34 Pre-wired Wiring Loom for use PL-10 and PL-10E motors (Pec) £4

Minerals, Water & Rocks

PS-340 Ire Ore lumps (Pec) NEW £3.95

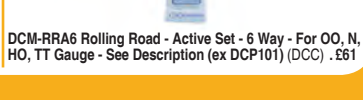


PS-332 Real Coal - Coarse (Pec) NEW £3.95
PS-330 Real Coal - Fine (Pec) NEW £3.95
PS-331 Real Coal - Medium (Pec) NEW £3.95

Track underlay

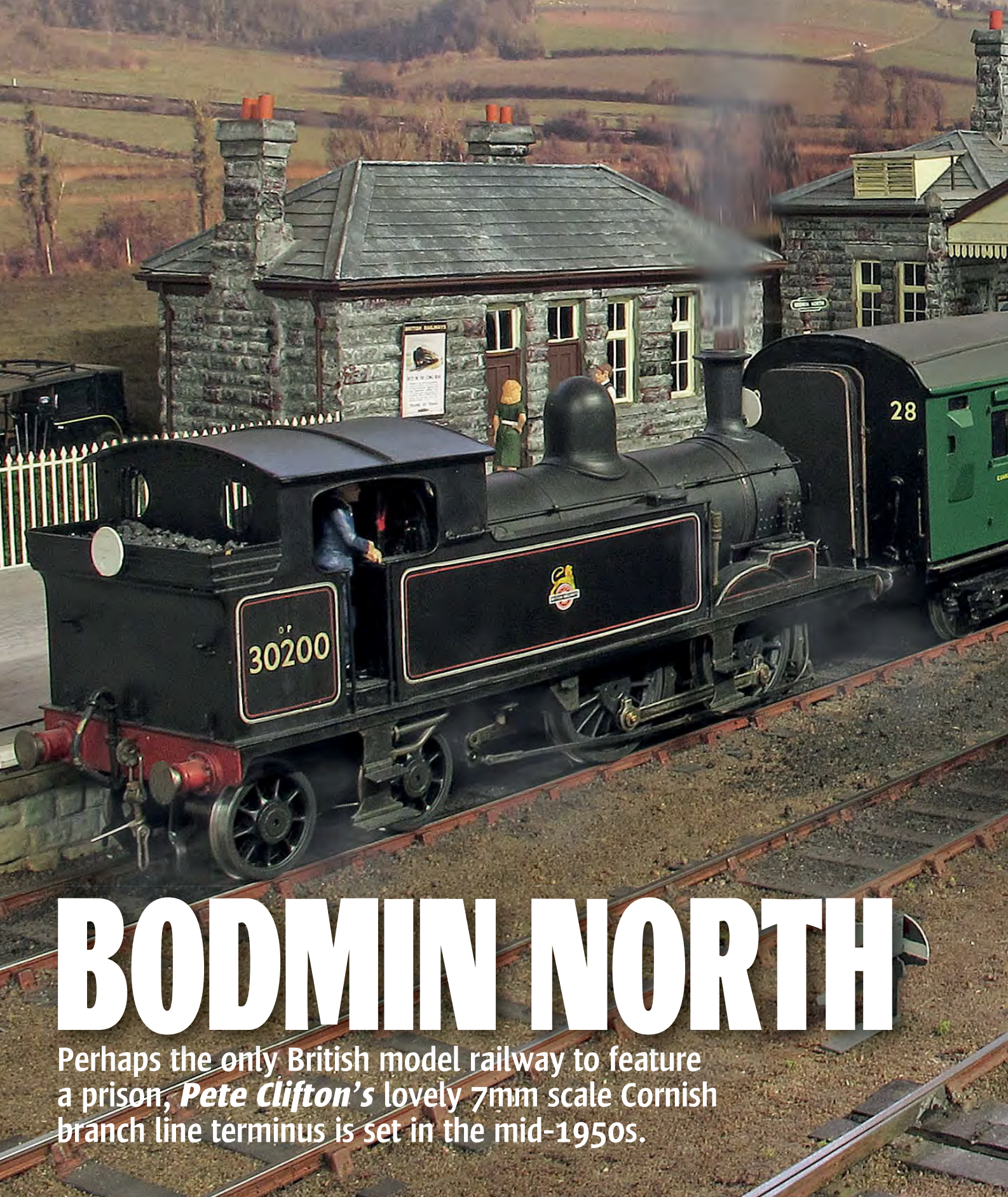
JCS18L Cork Sheet - 1/8" Thick - 24" x 36" (Jav) £8

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



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

LAYOUT OF THE MONTH



BODMIN NORTH

Perhaps the only British model railway to feature a prison, *Pete Clifton's* lovely 7mm scale Cornish branch line terminus is set in the mid-1950s.



FACT FILE

- **Layout Name:** Bodmin North
- **Scale/Gauge:** 7mm:1' scale, 32mm gauge 'O'
- **Size:** 18' x 14'
- **Era/Region:** Mid-1950s, Southern Region in Cornwall
- **Location:** Portable
- **Layout Type:** Branch line terminus with option for continuous running
- **Power/Control:** 12V DC analogue
- **Photography:** Andy York



Pure North Cornwall atmosphere: 'N' 2-6-0 No. 31831 shunts the goods yard as Adams 02 0-4-4T No. 30200 brews up ready for departure to Wadebridge with a pair of Maunsell Brake coaches.



All locomotives and coaches are kit-built, covering a selection of those seen on former SR routes in North Cornwall in the 1950s. Note the authentically weathered track with its weed-ridden ash ballast.

On one occasion in the early-1960s my father took me to Wadebridge to see the Beattie Well Tanks - the seed was sown!

When someone visits the layout, the most frequent question I am asked is; "why Bodmin?"

It's a good question for someone brought up on the West Coast Main Line through the Trent Valley. I suppose it goes way back to my childhood, when as a family we usually spent our summer holidays in Cornwall or Devon. On one occasion in the early-1960s my father took me to Wadebridge to see the Beattie Well Tanks before they disappeared. As a nine year old it was a lot to take in but I did remember all the different locomotives I'd never seen before. Although my father was never a modeller or spotter, he always encouraged my interest in railways and from that the seed was sown.

Fast forward to the early-1970s and I had modelled in OO gauge for years and was constructing a layout in a workshop I had built at our first house. As the family

grew, less and less time was spent on the layout, and a house move saw the layout dismantled and sold. I kept my interest in railways alive but drifted away from the hobby until 2004 when I bought a model railway magazine, just to see what was happening in the modelling world. In the back pages was an advert for a Beattie 2-4-0WT in 7mm scale.

A friend had gone over to O gauge years before and I had always been impressed by the size and detail. A purchase was made and I was back to the hobby and researching the time when I was a boy!

As I built up my collection, thoughts of building another layout started to take hold, inspired by a couple of layouts I had seen in **BRM** - 'Harlyn Road' and 'Rother Bridge', based on the North Cornwall and North Devon lines. My initial thoughts were of the Beatties' home, Wadebridge. I started to build Wadebridge shed, for which I had a set of plans.

After constructing the shell of the shed and the

water tower it was obvious that, if I was going to build my choice of station, I would need more space than I had available. Looking back to where the railway started in the 1800s, The Wadebridge & Bodmin railway was ideal, and 'Bodmin North' was born. With a good station layout and a station building in local stone (a similar construction to that of Wadebridge), sidings, a goods shed and a bit of modellers licence, my North Cornwall locomotives would all look at very much at home.

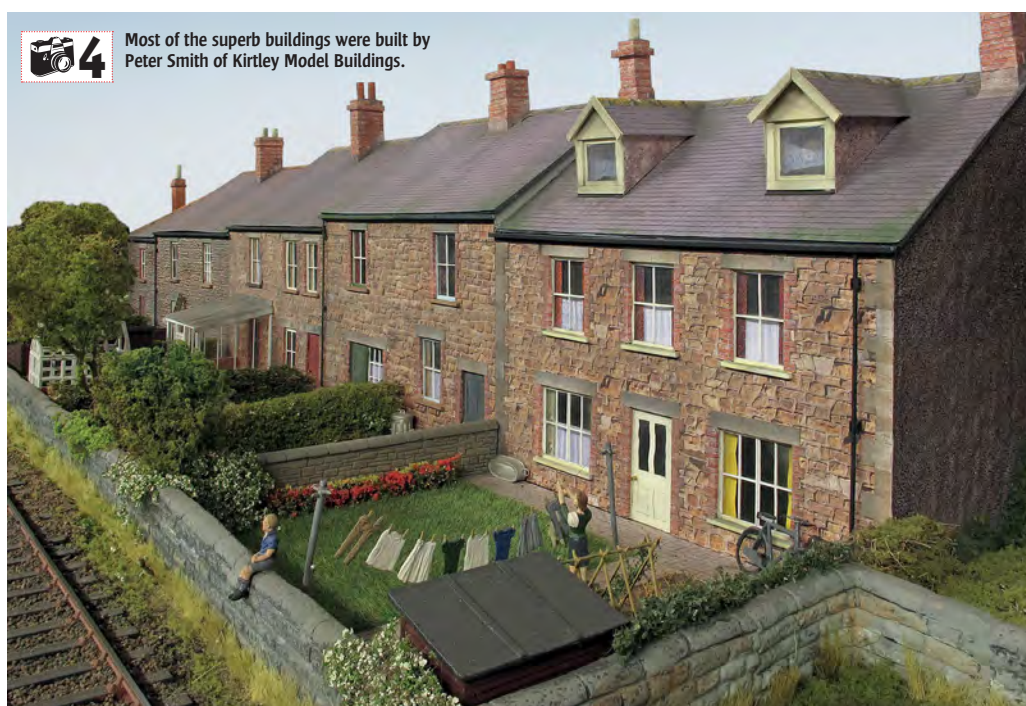
GETTING STARTED

Two events really inspired me to move my ideas forward; firstly, joining the Gauge O Guild, which opened up a world of suppliers, articles, reviews and layouts built by members. More importantly, it showed me where my local club was, so I went along to Coventry & Warwickshire Gauge O modellers (COVGOG).



3

Until the 1960s, the railway was a lifeline for rural communities, bringing in essential materials.



4

Most of the superb buildings were built by Peter Smith of Kirtley Model Buildings.

KEY DETAIL



5

TRACKWORK

Trackwork for all the hidden sidings is Peco, but the rest is constructed from C&L components. The width of the workshop was chosen so that 6' radius curves could be accommodated on the main boards and 5' 6" curving through Dunmere and the station approach. The trackplan for the station had to be adapted to fit into the space; from the goods shed through the station up to the buffer stops in front of the original warehouses of the old Bodmin site is as per the prototype with one exception. I omitted a siding to the left of the running line which ended in front of the cottages and served the gasworks. The most significant modification was by the signalbox where the approach had to be adapted, and three sidings to the left of the 'box had to be omitted.



Peter Smith's imposing depiction of Bodmin Gaol dominates the skyline as No. 31831 rolls in with a short goods train. Pete's trackplan is inspired by Bodmin North but adapted to fit the space available.





The locomotive that started it all! Beattie 2-4-0WT No. 30586 was Pete's first venture into 7mm scale modelling.

If you have never been to your local club give it a visit. Over the years I have made some good friends and the amount of knowledge amongst the members is second to none. My locomotive, coach and wagon building skills would not be at the level they are now if I had not joined the club, and I would never have thought I could assemble my own track before I joined.

In 2008 an 18' x 14' shed - or workshop as the supplier called it - was erected, ply-lined and insulated. Once power was installed I was ready to go.

By this stage, I had collected a lot of information on the Bodmin & Wadebridge Railway and Bodmin North station itself. I also managed to obtain drawings for the station buildings, goods shed and signalbox, from the South Western Circle (www.lswr.org). My plan was to build the branch as authentically; I wanted Bodmin to be as close to how it was in the mid-1950s as possible. I also wanted to be able to allow

for continuous running, so baseboards were constructed all around the workshop with five loops for use as storage. The boards for Bodmin would sit above these; on the opposite side would be Boscarne Junction - in fact a combination of Boscarne and Dunmere Junctions. The branch line would climb up from the junction at 1-in-40 (close to the prototype) through Dunmere Halt and on to Bodmin.

SETTING THE SCENE

I really enjoyed building the scenery for the layout. It is incredible how this area has developed in recent years compared to when I last built a layout. The backscene is always a big part of bringing a model to life; I used a mixture of photographic landscapes from International Models and Gaugemaster. When you have planned the scenic section you are working on, put the backscene up first and work in front of it; it's a devil to try and get

it in place when everything is nearly finished!

Trees are a mixture of plastic armatures with thin poly fibre netting over the branches and teased out foliage on top to give it an almost see-through effect of the real thing. I have also produced trees from off-cuts of real trees and bushes from the garden. These form the trunk and main branches, to which I attach sea moss to form smaller branches and foliage. I then spray the sea moss with a matt brown colour, cover it with hair spray and shake light green flock all over it. The result is a good looking tree.

Next time you're doing any pruning take a look and you'll see what I mean. For large areas of grass I use teddy bear fur as a base then douse areas with hairspray and give it a light coating of static grass.

I even had a lesson from Pete Waterman in burning teddy bear fur when our club visited his 'Leamington Spa' layout last year, and it really does work. If you are

KEY DETAIL

BUILDINGS

As hard as I try to construct buildings, they always look like cardboard boxes. Good buildings and backscenes really bring a layout to life and I had been impressed by models built by Peter Smith of Kirtley Model Buildings at Gauge O Guild events. After speaking to him and exchanging plans and photographs of the prototype, Peter built the station buildings, goods shed, low relief warehouses and the signalbox. I always had in mind that I would like a representation of the gaol (the old county prison) as it is seen in many photographs of the original station, and even today when you stand at the site of the old station it is always a presence. It played a part in the railway's history too; in 1838 around 2,000 passengers travelled by train to watch public hangings at the jail. Fortunately all the cottages shown on the layout still survive today so photographs were easily obtained. Peter built the rest of the buildings for me over a number of years including the gaol (pictured), at the time it was the largest structure he had built.





More of the superb stone buildings are in evidence in this view of the dead-end sidings and disused cattle dock.

thinking of using teddy bear fur, ask your local supplier for wolf fur and for around £25 you will have enough for a fur coat!

Hedges, bushes and saplings are a mixture of rubberised horse hair and sea moss.

NEXT STAGES

I still need to finish off some detail around Bodmin, namely the point rodding (which I should have planned better), and a lattice signal to replace the rail-built one. Dunmere Halt is complete with platform pagoda shelter, lamps, a path up to the main road and all the scenery behind it. Dunmere is in a cutting and the embankment opposite the halt is still under

construction. On top of it will sit the 'Borough Arms' pub, next to the road from Bodmin to Dunmere.

At Boscarne Junction, all the trackwork is complete and ballasted. With the branch line rising up at the rear of the sidings, it is my intention to box in the branch line, and have it re-appearing just before it enters the cutting at Dunmere Halt. There is still lots to do!

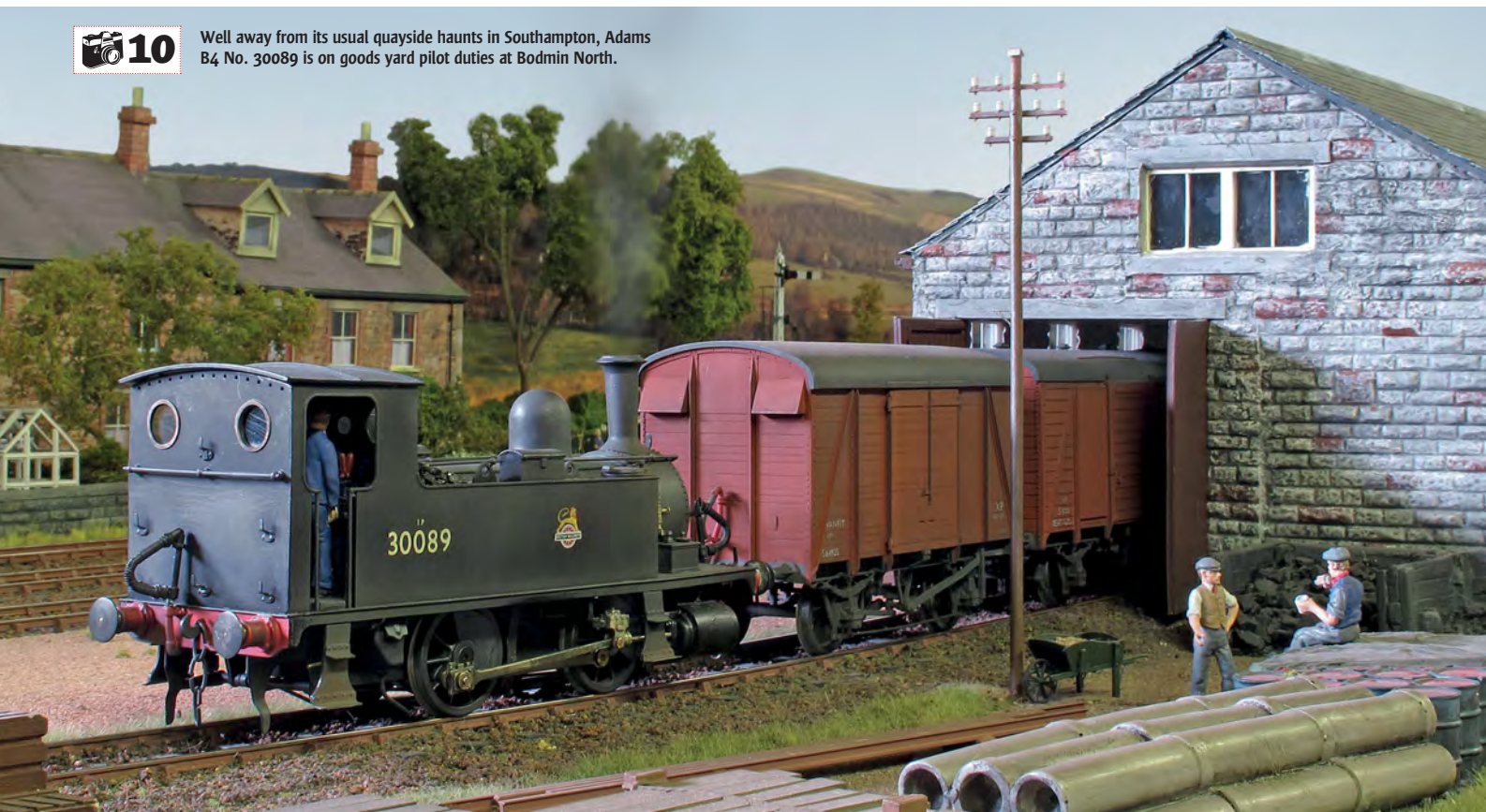
Locomotives on the layout are kit-built by myself and all appeared in Cornwall or Devon with the exception of a Maunsell 'Schools' 4-4-0 and a G16 4-8-0T. The fleet numbers a dozen in all, but my current challenge is an unrebuilt 'West Country' 4-6-2 – No. 34016 *Bodmin* of course! The original made a

rare visit to Bodmin in August 1946 for its naming ceremony - how's that for a bit of modellers licence! Coaching stock and wagons stock were also constructed by me, with a few exceptions.

I need to thank a few people for getting me this far; to Peter for the great job he did with the buildings, Howard for constructing the tandem pointwork needed at Boscarne, Paul and Mike for their continued support and encouragement. A big thank you also to John Wilkinson who has been a great sounding board and inspiration for my ideas for the layout and for all the help with locomotive construction. He has an eye for detail that is second to none. Finally thanks to Andy York for the excellent photographs. **BRM** 



Well away from its usual quayside haunts in Southampton, Adams B4 No. 30089 is on goods yard pilot duties at Bodmin North.



0 GAUGE

LAYOUT OF THE MONTH

BODMIN NORTH

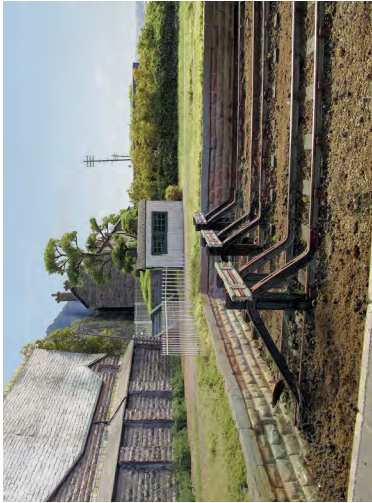
Sanfordson



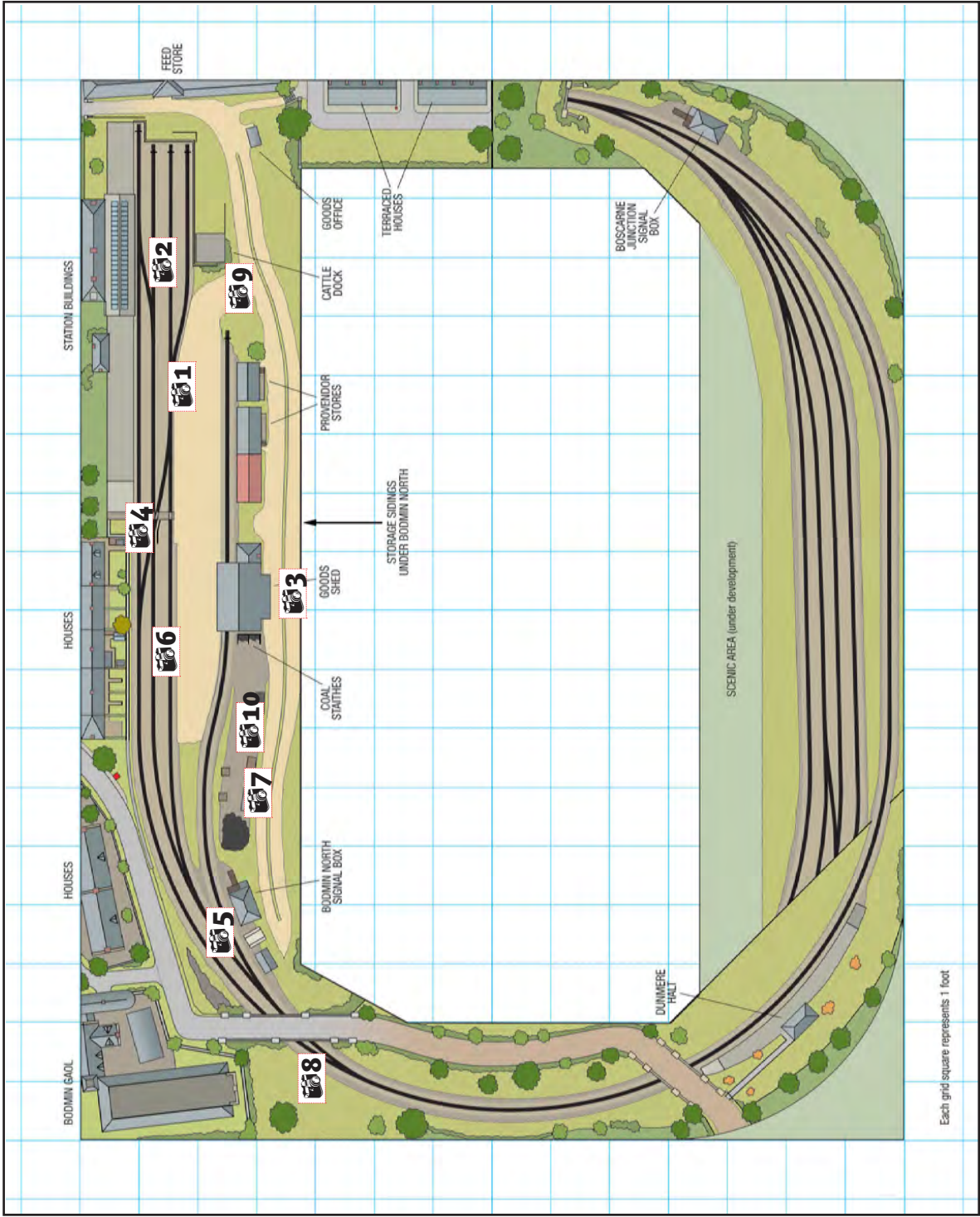
The thick walls of the old county gaol boom over one end of the layout, providing an unusual counterpoint to the railway.



An elderly tank locomotive and coaches waiting for the meagre custom of a single passenger – a classic 1950s branch line scene.



Detailing, weathering and scenery is done to a very high standard, capturing this forgotten corner of the 1950s railway perfectly.



FREE

BUSCH

SCENERY PACK*

...when you subscribe to

BRM

BRITISH RAILWAY MODELLING

JUST £12.49

a quarter, by direct debit!

REMEMBER!

BRM now comes with a
FREE DVD every issue!



BUSCH FOREST SET

Create a small forest scene:

- ▶ 20 trees ▶ 3 extra trunks for tall trees ▶ 2 wood piles
- ▶ Footbridge
- ▶ Ground cover

BUSCH FOREST SOIL & MEADOW KIT

For the creation of natural
looking grass and soils:

- ▶ Scatter materials
- ▶ Various types of wild plants
- ▶ Detailed instructions and tips



Call our hotline and quote BRM/MAY15

01778 392002

(please have your bank details to hand)



Order securely online at

www.model-railways-live.co.uk

Closing date: May 31, 2015

* Minimum term of 1 year * Whilst stocks last.

GWR '94XX' & 45T CRANE JOIN BACHMANN'S 'TO DO' LIST

Ben Jones reports from Bachmann's 2015/16 catalogue launch, which revealed a number of surprises, updates and new versions of existing models, including the first ever British N model with factory-fitted sound.

Admitting it needs to prioritise more than 40 projects announced in 2012-14 but not yet delivered, Bachmann is keeping all-new items to a minimum in its 2015/16 programme. A GWR '94XX' 0-6-0PT is the company's only new locomotive announcement in OO, although there are several welcome improvements to existing products. These include the completion of a two-stage upgrade of the LNER V2 2-6-2 via an all-new bodyshell (an improved chassis was introduced in 2012) and the return of the LNER J72 0-6-0T, J39 0-6-0 and LMS parallel boiler 'Royal Scot' 4-6-0 with new DCC-ready chassis. The latter will also see a partial re-tooling of the bodyshell and take advantage of some common parts with the much newer 'Patriot'. Both Fowler and Stanier tenders will be offered.

On the modern traction front, the Siemens Desiro four-car EMU will be released for the first time as the much-requested South West Trains Class 450, while the General Electric Class 70 will appear in modified form as a



GWR '94XX' 0-6-0PT.

Colas Railfreight Class 70/8 with extra bodyside cooling ducts and modified cabside panelling.

Bachmann's popular Scenecraft range of buildings and accessories will see no fewer than 57 new buildings for 4mm:1ft scale and 27 for 2mm scale, ranging from buildings for narrow

gauge railways to an eight-storey block of flats and low relief public conveniences!

The GWR 94XX, which will share certain components with existing Bachmann 0-6-0PTs, will initially appear as GWR green No. 9402, BR early emblem black No. 9487 and BR late crest black No. 9479. Previously offered in OO gauge by Graham Farish and Lima in the 1970s/80s, 210 of these large 0-6-0PTs were built between 1947 and 1956 by Swindon Works, Yorkshire Engine Co., Hunslet, RSH, Bagnall and Hudswell Clarke. Many had very short lives as they were

quickly replaced by diesels or deemed surplus to requirements. The model will have a six-pin DCC decoder socket.

A Ransomes & Rapier 45t steam crane is an interesting and often-discussed new development. Introduced in 1940, many such cranes were used across the country until the 1980s. Southern or GWR black, BR black and BR red versions will be offered with a manually operated jib and hook and rotating crane body. Bachmann is also looking at the long-term possibility of a fully operational version, controlled by DCC, plus Longmoor Military Railway and WD versions if there is enough demand.

A feature of this year's range is the large number of new items in 'Big Four' liveries, including versions of the LNER K3, V2, J39 and O4, LMS 'Crab', 1F, 3F, 4F, G2a, 'Royal Scot', GWR 'City' 4-4-0 and Southern 'C' 0-6-0. To complement them, various GWR, LMS, LNER and SR planked open wagons and vans will also be produced.

Coaching stock developments are limited, but the existing Mk 1 Restaurant First Open (RFO) tooling will be utilised to offer the Diagram 71 prototype First Open (FO) without a centre door, filling a gap in the range.

BACHMANN 2015/2016 HIGHLIGHTS

- All-new GWR '94XX' 0-6-0PT
- Ransomes & Rapier 45t steam crane
- SWT Class 450 Desiro EMU and modified Class 70/8
- Upgrades for J39, J72 & Parallel Boiler 'Scot'
- Improved body for Gresley V2

An exciting new addition to range is this Ransomes & Rapier Crane.



PROGRESS REPORT

All dates given below are best predictions and subject to alteration without notice.

Bachmann 00 In Development (Delivery dates TBC)

- ▶ BR Class 90 electric
- ▶ GWR 94XX 0-6-0PT
- ▶ LBSCR H2 Atlantic
- ▶ BR Class 24/1
- ▶ Baldwin 10-12-D 4-6-0T (00g)
- ▶ Three-plank Bogie Open Wagon (00g Scale)
- ▶ Ambulance Van (00g Scale)
- ▶ FFA/FGA Freightliner Flats
- ▶ Ransomes & Rapier 45t crane
- ▶ WD 'Warflat' Wagon
- ▶ TTA Class B Bitumen tank
- ▶ Intermodal Tank Containers

In the Drawing Office (expected 2016)

- ▶ LNWR Webb 'Coal Tank' 0-6-2T
- ▶ LMS Stanier 'Mogul' 2-6-0
- ▶ LNER V1/V3 2-6-2T (chassis upgrade)
- ▶ Ivatt 2MT 2-6-2T (chassis upgrade)
- ▶ BR Class 158 DMU
- ▶ LNER Thompson coaches
- ▶ BR Mk 2f coaches
- ▶ SECR 'Birdcage' coaches
- ▶ 20T tank wagon

Tool Room (late-2015)

- ▶ Wickham Trolley
- ▶ SR USA 0-6-0T (Exclusively for Model Rail)

Artwork being prepared (due late-2015/early-2016)

- ▶ BR Haworth Auto Trailer

Livery Sample (due late-2015)

- ▶ LMS 10000/01 (Exclusively for Rails of Sheffield)
- ▶ SR Utility Van

In Production (due mid-2015)

- ▶ BR Class 43 'Warship'
- ▶ Mk 1 TPO Coach with nets
- ▶ GNR Ivatt 'Large Atlantic' (Exclusively for NRM)

In Transit

- ▶ GWR 'Modified Hall' 4-6-0
- ▶ GWR 'Hall' 4-6-0 (in 'Shakespeare Express' pack)
- ▶ BR 21t Grain Wagon
- ▶ BR Long Tube Wagon



Above Modifications to produce the SWT Class 450 EMU have already been signed off.



Above Original 'Royal Scot' will return with a new DCC Ready chassis, improvements to detail and Fowler or Stanier tenders.

The popular LMS inspection saloon will appear in BR lined maroon and EWS red/gold while BR blue/grey and Network SouthEast Mk 2a coaches will be reintroduced after a lengthy hiatus.

Other highlights of the new range include a re-run of the six-car 'Midland Pullman' DEMU in original Nanking blue in both N and OO. The special limited edition collectors' sets (see pXX) will feature the second of the two LMR trains used on Manchester-St Pancras services, an exclusive edition book, reproduction menu card and a pack of Midland Pullman steward figures.

Numerous other OO gauge items return to the catalogue after long

For details of
the new Graham
Farish N gauge
programme, turn
to page 34



Above Dating back to 1976, the ex-Mainline J72 gets another mechanical upgrade, bringing it up to modern DCC Ready standards. It will also appear in N for the first time.

absences, including the G2a 'Super D' 0-8-0, Hughes/Fowler 'Crab' 2-6-0, LNER K3 2-6-0, Class 166 DMU and Railtrack PNA box wagons, EWS/Thrall MBA 'Megabox' and JGA bogie stone hoppers in weathered RMC orange and BLI blue/white.

For full details of the Bachmann 2015/16 OO gauge catalogue range, see www.bachmann.co.uk and www.rmweb.co.uk. Turn to page 35 for our exclusive interview with Bachmann's new European Sales & Marketing Director, David Haarhaus. **BRM**



Above LNER V2 is gain an all-new bodyshell to complement its new chassis, completing a two-stage upgrade.



Above Modified Class 70s with extra cooling ducts will appear in Colas Railfreight (above) and Freightliner livery.

CLASS 40, LNER J72 & DCC SOUND '108' FROM GRAHAM FARISH



Above An all-new Class 40 is a welcome development (OO gauge model shown).



Graham Farish N In Development (Delivery dates TBC)

- ▶ Class 40 diesel (new tooling)
- ▶ BR Mk 2f coaches + DBSO
- ▶ SECR 'Birdcage' Coaches
- ▶ SR Utility Vans

Drawing Office (expected in 2016)

- ▶ GWR 'Castle' 4-6-0
- ▶ GWR '64XX' 0-6-0PT
- ▶ BR Hawksworth Auto Trailer

Tool Room (due late- 2015/early-2016)

- ▶ BR Standard 4MT 2-6-4T
- ▶ BR 12t Pipe Wagon

Livery Samples (due in late-2015)

- ▶ GWR Hawksworth coaches
- ▶ SR 'Bogie B' Van

In Production (mid-2015)

- ▶ SR 'Merchant Navy' 4-6-2
- ▶ SR N Class 2-6-0
- ▶ LNER Peppercorn A2 4-6-2
- ▶ BR push-pull Class 47/7

In Transit (imminent)

- ▶ BR Class 31 diesel
- ▶ SR 12t Vent Vans

Two all-new locomotives, two extra items of rolling stock and the first-ever British outline N scale model with DCC sound lead an exciting new programme for Graham Farish.

A BR blue Class 108 two-car DMU is the chosen vehicle for Graham Farish's first venture into DCC sound. A small decoder and speaker will be housed in the gangway end of the DMBS car. Price and delivery date are yet to be confirmed.

An all-new English Electric Type 4 1-Co-Co-1 (Class 40) continues Bachmann's programme of replacing models inherited from the previous management in 2000. The model will be offered in three liveries - BR green D211 *Mauretania*, BR green D369 with small yellow warning panels and BR blue 40159 - and will feature a highly-detailed bodysheet, DCC ready chassis, directional LED lights and NEM couplers.

In 1989, an LNER J72 0-6-0T was Bachmann's first OO gauge model and it will now be offered to N gauge modellers too, in three guises - LNER



Above LNER J72 will appear in N for the first time, in competition with a proposed model of the same class announced by Dapol in 2014.

lined green No. 8680, BR early emblem black No. 69001 and BR late crest black No. 69028. The models will have a six-pin DCC decoder socket and, according to Bachmann; "a level of detail that could only be dreamed of in N scale 25 years ago."

Two items that were previously exclusive to N Gauge Society members have now been added to the main range; the LMS 50' inspection saloon and Southern Railway 'Queen Mary' bogie brake van. The latter will be offered in SR brown, BR bauxite and EWS red/gold, while the extremely popular saloon will appear in LMS crimson lake, BR lined maroon

and BR blue/grey.

Other interesting items in the new range include three packs that will allow the Era 8/9 modeller to assemble a representation of the Nomix-Chipman weedkilling train of the 1990s, powered by Hunslet-Barclay Class 20/9s, two new Class 66s in DB Schenker traffic red and DRS plain blue and a Colas Railfreight Class 60. A pack of three SR Bulleid coaches is also planned, complete with authentic set numbers on the end of each brake coach. **BRM**

Right SR 'Queen Mary' brake van and LMS Inspection Saloon join the main range.



For the complete
Graham Farish 2015/16
catalogue range, see
www.bachmann.co.uk
and www.rmweb

BRM MEETS... DAVID HAARHAUS

In his first interview, the new top man at Bachmann Europe talks to *Ben Jones* and shares his thoughts on how he sees the business and the British model railway market developing over the coming years.





Themed train packs are proving to be a success with modellers and collectors alike; this attractive 'Midland Pullman' pack has just been added for release in 2015.

Twenty-six years after he founded Bachmann Europe, Managing Director Graham Hubbard has handed over the day-to-day operation of the company. His successor is European Sales & Marketing Director David Haarhaus, a familiar name to many, having been with the company for almost 15 years.

David takes the reins at a tricky time for Bachmann. Despite having one of its best years to date in 2014, labour shortages, production backlogs, rising prices and a new generation of smaller competitors all pose a threat to this established manufacturer.

In the week that Bachmann announced its N and OO gauge programmes for 2015/16, I visited the company's HQ in Leicestershire to find out how he plans to overcome the issues and take the company forward. Although only a couple of weeks into his new job, David's lengthy experience of the Bachmann Europe operation means that he already knows the issues at hand and has a good idea of what will be required to resolve them.

Over the last year, David has been heavily involved in Bachmann's pro-active effort to make customers aware of the true cost of producing high-quality models, countering public criticism of the ongoing price increases it is being forced to pass on to customers.

Now that he's occupying one of the most prominent positions in the British (and European) model railway business, I'm intrigued how he got started in the model railway trade and how he got to where he is today.

"I started as a Saturday boy in Beatties store when I was 15. It was meant to just be something for summer, encouraged by my dad who is a complete train 'nut'. I got the job he always wanted.

"I worked my way through the grades while studying at college, becoming a store manager at a key location. I then moved up to head office as a buyer for Model and Hobby products, which is where I first came into contact with Graham [Hubbard] - as a customer. I briefly worked for RIKO International (best known as the UK importer for Lima and Tamiya) but then Graham asked me to come to Bachmann as a Sales Manager, which led to where I am now, in my 15th year with the company."

How has Bachmann changed over the last 15 years, I wonder?

"The sales structure is completely different for a start. We have our own sales team, whereas we used to use agents. The company's a lot bigger too; turnover has increased from around £7 million a year to around £15m now, including the German operation. We've increased the staff, expanded the warehouse, the R&D

office and grown in terms of the products we offer.

"In terms of the product, much has changed too. The technology has moved on and on; what we thought was a lovely model in 2000 really wouldn't cut the mustard now. It seems to happen so quickly too. Like everything else in life, the expectations are that things will constantly improve, but the pace of change really seems to have quickened up. The advent of weathering, DCC, extra lighting functions and sound all happened in the UK market quite quickly."

Have customer expectations changed rapidly too?

"Yes, they have - and quite rightly so. When we were kids, it was a 50-50 chance whether a model would work or not when you put it on the track. Even if it did work, it would wobble and stutter. Remember what a great leap forward it was when Lima added the extra pick-ups and wire to the trailing bogie of some diesels?

"It wasn't that long ago that the Lima Class 31 was notable because it came with separate plastic handrails you could fit yourself! All the bits we used to buy from Crownline, Craftsman or A1 Models now come with the models. The challenge for us is to see how much better it can get but still be affordable." Where does he see it going over the next few years, in terms of technology and the hobby in general? "The hobby at large is in an interesting situation. It

Technology has moved on and on; what we thought was a lovely model in 2000 really wouldn't cut the mustard now.

doesn't have the chain of flagship High Street retailers to bring in new people. I'm not being disparaging to our retailers, we love them all and support them however we can. Some towns are lucky enough to have a High Street model shop, but there are a lot that haven't.

"Stores like Hobbycraft cater for many of the female-dominated hobbies and crafts, but there's nothing similar for men since the loss of Beatties and ModelZone. Without that, how are tomorrow's modelers going to get into the hobby? And I don't just mean model railways; without easy access to products such as plastic kits, radio-controlled cars or slot car racing, it's going to be more difficult to get people of all ages enthused about these hobbies. You just don't get that same buzz from a website that you feel when you see a G scale train running around the ceiling or look at an animated diorama covered in built up kits of some kind. It's a challenge for us, and we need to have a serious think about where we're going to be as an industry in 20 years time."

More specifically, how will Bachmann models develop over the coming years?

"Well, over the last two years we've had significant pricing changes and increases. At this stage, we as a company are still very much behind the policy of constantly driving our models to higher standards, but with one eye on costs. For example, where ten years ago we would have included tooling just to make a few small variations, that might not be so prevalent now, but we still want to make a premium, highly-detailed product.

"The challenge is to let our consumers understand that it is a hand-made, almost bespoke collectable product - like a Swiss watch in some ways - and that that comes at a price. We need to help people

justify in their own minds why it costs what it does. The biggest challenge is with Graham Farish N scale, because they cost pretty much the same to research, design, tool, manufacture and decorate as OO products. The difference in cost between the materials for each is negligible, but the perception is that it should cost less because it's half the size.

"We need to do more to extol the benefits of Graham Farish N; it's something that perhaps we've been slow to achieve over the years, but we still want to be selling beautiful Graham Farish models in 20 years time and our challenge is to promote it more actively. We're very lucky to have a good tooling bank, the models are wonderfully detailed these days and the reliability is very good. It's got a lot going for it." Is the massive investment in new N scale tooling bringing more people in?

"I am not sure that the audience for N scale has grown massively, but then I'm not convinced it has grown for OO either over the same period. We're selling more product than we ever have, but our ranges are so much wider."

What sort of schemes would attract more new modellers into the hobby?

"There have been some cool marketing schemes over the years and we need get behind such things and get model railways back in front of a wider consumer audience. It's a shame there isn't some sort of trade association or body that could look after that on behalf of manufacturers. Imagine if you went into a big shopping centre like Meadowhall two weeks before Christmas and saw a display of model railways, slot car or whatever in a central area. It would be a great way of enthusing the younger generation" Is that sort of supplier-led industry one of his priorities for the coming years?

"It is, but I don't think any one supplier or manufacturer is strong enough or has the skills to do that alone. We understand how to design and make model trains here in Barwell; we're not Saatchi & Saatchi, but we would support an organisation set up to promote the model railway hobby.

There are constant suggestions about the decline and demise of the hobby, particularly the local model shop. Does he see any evidence of that?

"Everyone always tells me 'model shops are closing', but I've got to tell you, when I started in 2000 we had about 600 customers and in 2015 it's about the same. The actual number of stores is about the same and Bachmann's turnover is doing very well - we're selling a lot more models than we were 15 years ago, which counters those predictions of doom. What we do need though are those High Street stores. If there was a flagship model and hobby store on Oxford Street it would benefit the entire hobby by giving families and kids an opportunity to see model trains running, whether it's 'Thomas the Tank Engine' or *Mallard* or whatever. These types of high profile outlets would not be to the detriment of our network of retailers, but would actually benefit them in my opinion. The more people actively having a modelling hobby the better!"

While we're on the subject of retailers, I ask David about Bachmann's oft-stated support for model railway shops. Will it continue in the longer term or will Bachmann follow the example of others and seek to sell more products direct?

"We do not choose to sell directly via our website, or supply non-retail customers as we believe that good retailers are still the key to a healthy industry. "There are a multitude of reasons why we think that, but let's just consider one; **BRM's** London Festival of Railway



The Bulleid 'Merchant Navy' (above), Peppercorn A2 and Maunsell N 2-6-0 will be the next three high-quality steam locomotives to join the Graham Farish N scale range.





Changing of the Guard: After 25 years at the helm, Graham Hubbard (left) has handed over day-to-day operation of Bachmann Europe to David Haarhaus. ANDY YORK

Modeling at Alexandra Palace. Retailers we support attend this show with a sales stand and have to pay a significant amount of money to be there. Those fees contribute to pay the hotel, van hire and other expenses of those people who attend with fantastic exhibition layouts. Admission charges also contribute to the hire of the venue, marketing of the show and so on, but if there were no more retailers paying to be there, would there be any shows in high-profile locations?"

"When buying a Bachmann product, the consumer is not only paying for hundreds of hours of R&D time, tooling costs, livery references, manufacturing costs and shipping costs. We've always tried to invest in the future of the industry, putting something back in at the bottom rather than simply skimming off the top. That is why we attend a large number of exhibitions with our Road show team.

"Bachmann sponsors some larger events such as Ally Pally and Warley, but we support smaller local shows too. We also financially support the railway preservation movement by working with railways and rolling stock groups. We support magazines with advertising, review samples and exclusive items. All of these worthy causes have to be paid for from the revenue we generate selling models. I guess we could reduce the price of all our items, to be very competitive, but that would mean we are unable to contribute in other ways."

Some commentators suggest that while attracting 6-12 year olds to the hobby is invaluable in the longer term, we should really be encouraging people

in their 40s and 50s to try model railways, rather than losing them to golf, angling or classic cars.

"You're right" David interjects. "There's some of evidence of that; think about the plethora of modern image models that have been so popular over recent years. I assume that the constant demand for BR blue Class 47s comes from that group. But it's also nice to see the calls for models of contemporary trains, such as the SWT Class 450. Although it's almost 50 years since BR steam finished, the hobby is still generally buoyant. It's certainly not all doom, plague and pestilence out there. We just need to understand what needs doing now to ensure that we still have a hobby in 20, 30, 40 years time."

What targets has David been set for expansion and development of the company?

"Obviously there are internal discussions about that, about expansion and possible opportunities, but they have to be kept relatively confidential. What is encouraging is that Kader (Bachmann Europe's parent company) is very much behind us. Luckily we've always been a successful company and there's no need for any revolution. Personally, I feel very lucky to be taking over a company that is successful, despite the recent issues. As a team, I believe we've got enough talent in the business to manage challenges like the price increases, social and economic change in China and the production backlog."

The mention of the latter raises another topic that exercises Bachmann's customers - both retail and the end user. Of the 83 new projects announced in 2012-14, 44 are still to be delivered. With some

still to be started by Bachmann's Hong Kong design office. Even optimistic estimates suggest that it will take three years just to deliver what has already been announced in N, OO9 and OO. How did that 'to do' list get so long and what is being done to get those products on the shelves?

"There are various good reasons; the 2013 announcements were probably too ambitious (46 items of new tooling, according to the R&D office) and at the same time there was a 30% shortfall in factory capacity and delays to new tooling development due to staff shortages in China. The closure of Sanda Kan had a particularly detrimental effect on Graham Farish, but there were also reductions in the Kader engineering capacity, increases in labour costs and workforce mobility, tooling budget constraints and an increase in external commissions. Our requirements went up at the exact time as the brakes came on in Asia"

Quite a combination of factors; what is Bachmann doing to work its way out of the situation?

"Again, there's no single solution that will overcome it. Kader is recruiting new engineers and has arranged for additional design capacity to be diverted from other divisions in Hong Kong and China, we're investing in improvements to our UK R&D office - such as more use of digital printing and 3-D printing - and we're making greater use of external design resources.

"But, as the new catalogues show, we're also reintroducing under-utilised tooling (such as the 'Super D' and JGA stone hopper), identifying smaller new tooling projects such as body or chassis upgrades and creating multi-vehicle packs that require no new tooling to freshen up the range and maintain interest. Special edition packs such as the 'Railway Children' and First World War ambulance and tank trains are creating a lot of interest and, we think, reaching a new audience.

"Furthermore, Bachmann Europe will suspend sponsoring any more external tooling commissions, which can consume a great deal of management time, and we'll steer clear of any head-to-head duplication of products.

"The plan is for Hong Kong to start development of another 12 projects during 2015, which should come to fruition next year..."

Can he give us any clues as to what they will be, I ask, more in hope than expectation?

"I think we can expect to see good progress on the Branchline OO Wickham Trolley, the Ivatt 2MT 2-6-2T, V1/V3, Stanier 'Mogul', SECR Birdcage stock and 20T tankers along with the Mk 2f and Thompson coaches. The USA Tank is also looking good.

"I know that the Farish GWR 64XX is doing very well along with the Pipe Wagons. All other outstanding items are progressing on a broad front as we get back in sync with our colleagues in Asia, the amendments for the SWT Class 450 have already been dealt with and we are reviewing data on the Class 90s and Brighton 'Atlantic'.

While that all looks good for 2016, what will keep the tills ringing in the meantime?

"More thoughtful ranging will help us to maximise interest and minimise the effect of price rises. We're committed to the higher quality end of the market; it's won't be a 'race to the bottom' for us."

We talked briefly about the increasing interest in BR blue era modeling, but Bachmann has also found some recent success in an era that received wisdom would have us believe doesn't have a large following - pre-Grouping steam. Will we see a renaissance in pre-1923 subjects?

It's easy to announce things, anyone can do that, but it's delivering a credible or definitive product that's the important bit.

"I always thought we should be doing more for this period. The success of the SECR 'C' Class and Lancashire & Yorkshire Railway 'Radial' tank proved the point. It's colourful, it appeals to people who are interested in the history of the railways, and the liveries are often stunning. More of that would be great, and it's time we had another go at some other liveries that we're told 'don't sell', such as early BR subjects with BRITISH RAILWAYS lettering and 'Big Four' locomotives and rolling stock.

"In my new role I need to challenge some of this received wisdom, sensibly, but also supporting it with new items such as the SECR 'Birdcage' coaches." Now that he's in charge of daily operations, what model would David really like to produce?

"In many ways, I've already got my wish list with things like the '4-CEP', 'EPB' and MLV (Class 419 Motor Luggage Van). Anything for south-east London in the 1970s/80s works for me!

"I've also tried to look after my father's interests with things like the LNWR 'Super D' and LYR Radial 2-4-2T. Who would have thought anyone would ever make one of those?" he laughs. "There have been so many one-offs, prototypes and esoteric classes done recently, but I don't think Bachmann would ever go down that road, apart from the LMS 10000/01.

"I've always said that there's nothing wrong with going back and doing something better if you can. Perfect it, and then go back and do it again."

Rejuvenating the range is an ongoing process with Graham Farish, but does he have anything in particular in mind for OO gauge?

"I do, but I can't really comment at this stage. We have already started to do this in many ways with items such as the 'Mickey Mouse' tank and V2. We are reviewing the current range and looking at certain other things again because the market has moved on over the last decade. We've always been big enough to go back and put things right in the past when we've realised they weren't up to scratch. The priority though is clearing that backlog before we publically commit to anything else. Rest assured, there is plenty going in behind the scenes. It's easy to announce things, anyone can do that, but it's delivering a credible or definitive product that's the important bit.

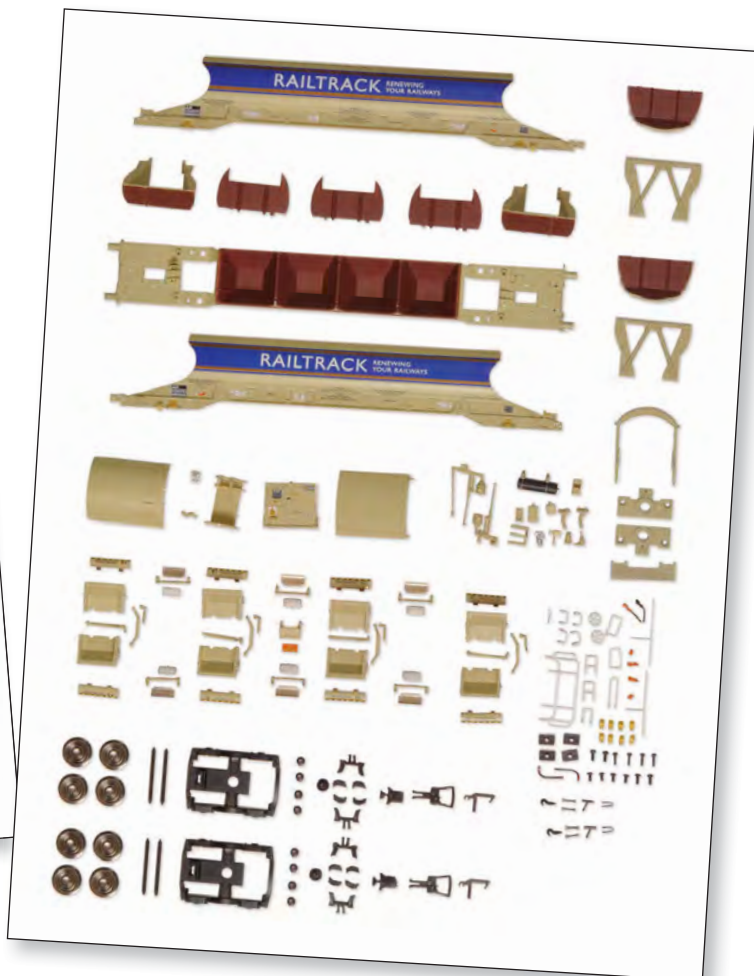
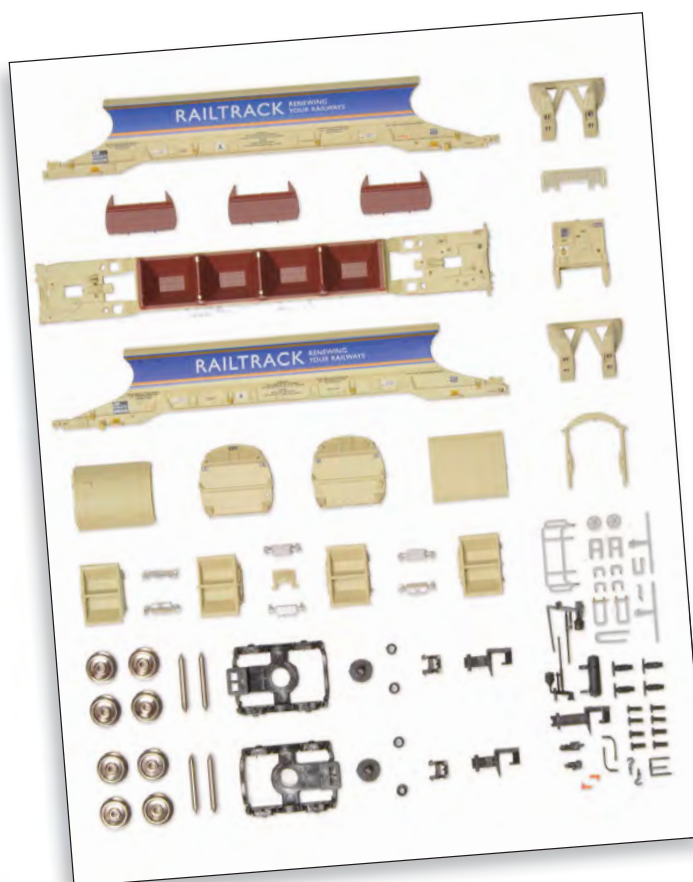
"We're investing in the future by expanding the R&D team - we recently advertised for a new research and development Engineer - but we're also looking for new areas in which to expand. That doesn't just mean locomotives; look at the new 45t crane we've just announced, and the LMS Inspection Saloon. That's not a cheap item, but it's a lovely product and it has done very well. We could have made one for £30 but it wouldn't have been anywhere near as good and I think most people understand that. Why would you spend hundreds of hours creating a beautiful landscape, complete with Digital control

and then run second-rate trains through it? That's why we're still keen to produce the best models we possibly can."

And on that positive note, our time is up. After 25 years in which it could be argued that Graham Hubbard, ably assisted by talented engineers such as Merl Evans, played a central role in reinvigorating the British model railway trade. Having launched Bachmann Branchline and then revived Graham Farish, prompting other suppliers to 'up their game' in the process, there's a real sense of a changing of the guard at Barwell.

We'll give the final word to David about his predecessor; "I'm very lucky to be taking over a company that has, by and large, been very successful, thanks to Graham and the team he built around him. "Back in 1989 he saw that the demand was there for a higher quality product and really went for it. They injected new enthusiasm and energy and brought back frustrated modellers who had drifted away with a credible product. The company will continue with that basic ethos; I can promise our customers and collectors that. In my opinion our hobby has a lot to thank Graham, the Bachmann team and Kader for in making that initial leap of faith.

"The world and this industry have changed a great deal in 25 years and now we need to look carefully at where it will go next, but I can only see it being a positive future." **BRM**



When Bachmann OO and N scale autoballast wagons are broken down into their individual components it's easy to see why they take so long to assemble.



visit our
NEW!
website

Re-creating History...



Send us *your* standard models

Step 1 - Contact us by phone or go to:
www.themodelcentre.com/customisation-at-tmc to select your
customisation requirements.

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

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

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

Choose from the following options...

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

**DCC Chip
Fitting Service**

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



www.themodelcentre.com

MasterCard Verified by VISA VISA MasterCard VISA World VISA Now Accepting PayPal

CONTACT US

E: websales@tmc-direct.com
T: 01947 896040

OPENING HOURS

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

VISIT US

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

STAY WITH US

HILL FARM
HOLIDAY COTTAGES
BECK HOLE GOATHLAND
WHITBY YO22 5LF
Tel: 01947 896421
www.hillfarmholidaycottages.co.uk

Please make cheques payable to:
'The Model Centre'

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

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

Model Shop

TMC
Custom Finish



come & visit our
NEW!
SHOWROOM

...with Every Model

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

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

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

N GAUGE



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



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



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



ND095B Dapol N gauge, Britannia class 7MT
70013 'Oliver Cromwell'
weathered by TMC
RRP - £159.95 (**You save £24.00**)
TMC Selling Price £135.95

OO/HO GAUGE



31-187 Bachmann OO/HO gauge,
Jubilee 5664 'Nelson' LMS crimson, real coal,
weathered by TMC
RRP - £169.95 (**You save £24.50**)
TMC Selling Price £145.45



31-188 Bachmann OO/HO gauge,
Jubilee 45565 'Victoria' BR green, late crest,
weathered by TMC
RRP - £179.95 (**You save £26.00**)
TMC Selling Price £153.95



31-189 Bachmann OO/HO gauge,
Jubilee 45606 'Falkland Islands' BR green, real coal,
weathered by TMC
RRP - £179.95 (**You save £26.00**)
TMC Selling Price £153.95



31-635 Bachmann OO/HO gauge, class 64xx
Pannier Tank 6407 GWR green, real coal,
weathered by TMC
RRP - £124.95 (**You save £18.00**)
TMC Selling Price £106.95



31-636 Bachmann OO/HO gauge, class 64xx
Pannier Tank 6403 BR black, real coal,
weathered by TMC
RRP - £124.95 (**You save £18.00**)
TMC Selling Price £106.95



31-656DC Bachman OO/HO gauge, class
47 DI677 'Thor' BR green, DCC fitted, name
plates, parts pack & weathering by TMC
RRP - £174.95 (**You save £23.70**)
TMC Selling Price £151.25



32-285 Bachmann OO/HO gauge, class 101
2 car DMU, BR green with speed whiskers,
weathered by TMC
RRP - £184.95 (**You save £27.50**)
TMC Selling Price £157.45



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



R3230 Hornby OO/HO gauge,
LNER 7524, class J15 with real coal,
weathered by TMC
RRP - £149.99 (**You save £15.00**)
TMC Selling Price £134.99



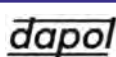
R3231 Hornby OO/HO gauge,
BR black, 65356 class J15 with real coal,
weathered by TMC
RRP £149.99 (**You save £15.00**)
TMC Selling Price £134.99



R3232 Hornby OO/HO gauge,
BR black, 65445 class J15 with real coal,
weathered by TMC
RRP - £149.99 (**You save £15.00**)
TMC Selling Price £134.99



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



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.

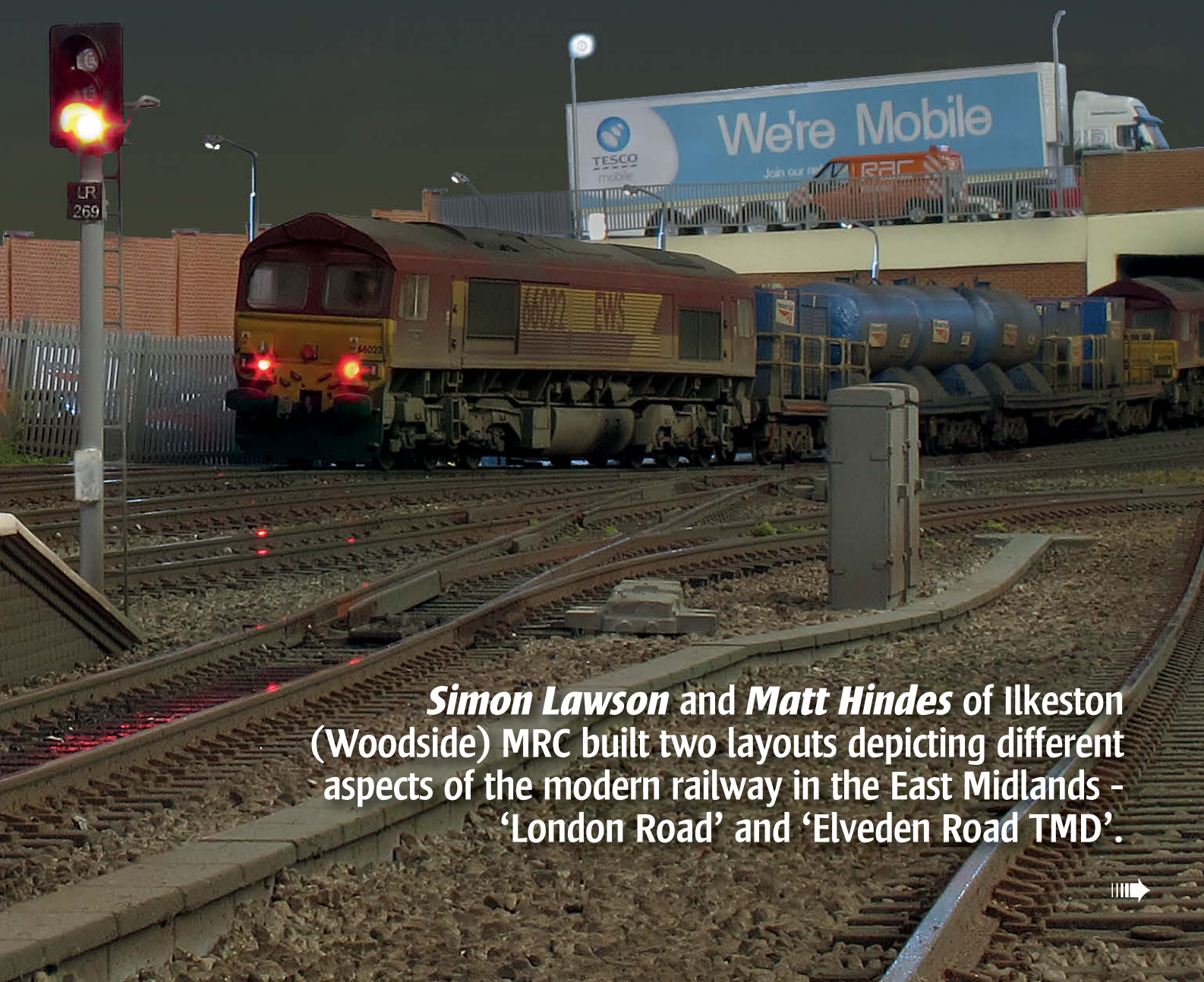




East Midlands Trains 43 055 waits for the road as EWS 66 022 passes at the rear of a Network Rail Railhead Treatment Train (RHTT) on Simon Lawson's atmospheric 'London Road' layout.

00
GAUGE

EAST MIDLANDS TODAY



Simon Lawson and Matt Hindes of Ilkeston (Woodside) MRC built two layouts depicting different aspects of the modern railway in the East Midlands - 'London Road' and 'Elveden Road TMD'.



PART 1

LONDON ROAD



Still in obsolete Central Trains colours, 153 376 ticks over in the platform. All models are fitted with lights and DCC sound.

After hearing DCC sound locomotives in action at exhibitions, I knew that was what I wanted for my own layout.

I had always wanted to build a large tail-chaser based on Nottingham but space was always an issue. The area I had available was 14' x 2' down one side of my garage. Modelling in N gauge was one possibility but after hearing DCC sound locomotives at exhibitions, I knew that a model in OO with sound-fitted stock was what I wanted. After seeing the layout 'Wellington Road', based on a station in Leeds, with only one end of the platforms shown, something clicked. Why not model the end of Nottingham Midland between the

footbridge and London Road bridge, albeit simplified to fit the available space?

I used the free trial version of the AnyRail software to come up with a workable plan, omitting the bay platform. With the footbridge positioned further up the platform I managed to fit it all into an 8' x 2' scenic area with a 3' x 2' fiddleyard at each end. As the layout isn't an exact replica of Nottingham Midland I decided to call it 'London Road' and hopefully anybody viewing will see the similarities between it and the real Nottingham.

CONSTRUCTION

Baseboards are 3" x 1" softwood frames with 9mm MDF tops. The track is Peco Code 100 with large radius points operated by SEEP point motors. After tracklaying and wiring for DCC, I spent some time test running to ensure that it was reliable. Once I was satisfied that the trackwork and wiring was good, I positioned the cable troughs and electrical boxes then started ballasting. I used Woodland Scenics medium size, grey blend ballast fixed in place with WS Scenic Cement. After this had dried, dummy point motors, point heaters and Train

Protection Warning System (TPWS) grids were added.

Platforms are 15mm MDF with Wills platform edging and Metcalfe paving sheets. This method ensures a solid base for adding lighting and advertising hoardings.

London Road bridge was next, constructed using off-cuts for the supports with a plywood road surface bent to give the curve of the road surface. It was painted using tester pots and when dry, TrueTexture road markings were applied. Paving, left over from the platform surfaces, was added for the pavements.

For the model to look like Nottingham I had to try and fit in the footbridge, platform buildings, the NHS building and Network Rail yard as close to the original style and position. The Network Rail yard office block is a Bachmann Scenecraft item with lighting added. I think it is a reasonable version of what is there. The cycle shelters are Hornby Skaledale but with the walls and bases cut away.

ELECTRICS & CONTROL

I wanted as many real illuminated features as possible to be lit on the model. I scratchbuilt the

FACT FILE

- **Scale/Gauge:** 1:76 scale, 16.5mm gauge OO
- **Size:** 14' x 2'
- **Era/Region:** 2007 onwards, East Midlands
- **Power/Control:** Lenz 100 DCC
- **Layout Type:** End-to-end
- **Words:** Simon Lawson
- **Photography:** Andy York

PROTOTYPE INSPIRATION

As a regular visitor to Nottingham Midland, I see several Train Operating Companies with varied colour schemes serving the city and I always felt that a model of the current scene would have enough to keep me interested. The platform buildings and the NHS practice building were interesting scratch-building projects and the footbridge and London Road bridge make ideal scenic breaks.



colour light signal gantry using brass rod with CR Signals three-aspect heads mounted and wired to a control panel. Other CR Signals were fitted and wired to rotary switches on the control panel. Toggle switches for the points were fitted and wired through to the SEEP point motors via a Gaugemaster CDU.

The footbridge and the platform canopies are illuminated by Express Models self-adhesive LED strip. The road bridge lights and traffic bollards, double platform lights and the vending machines

were all supplied by Layouts4U. All lighting, including signalling, is fed by two Express Models 12V DC smoothed transformers.

I have used DCC since 2004 when I bought a Lenz Compact and was still happy with it until sound fitted locomotives started appearing. Due to the limited number of functions of the Compact, I decided it was time for an upgrade and after a visit to Digitrains to 'play' with their various systems, purchased a Lenz Set 100.

DETAILS

I have tried to add as many authentic details as possible as they help to bring the layout to life. Figures, signs and small details such as the Citycard Cycles in the bicycle shelters help to place the layout geographically and in period. Knightwing security fencing runs the length of the layout and separates the station area from the Cycle Hub, NHS car park and Network Rail yard. Thanks to Oxford Diecast, modern vehicles are increasingly



Simon's RHTT set uses Bachmann intermodal flats with scratchbuilt equipment and tank modules.



Network Rail 31233 leads a test train, based at RVEL in nearby Derby, under the scratchbuilt London Road bridge.

KEY DETAIL

BUILDINGS

Apart from the Network Rail yard office, I scratchbuilt all the buildings on 'London Road'. The main shells for the footbridge and platform buildings are plastic card or Wills flexible brick sheets with window apertures cut out with a scalpel. Microstrip frames were added before glazing was glued behind and appropriate roofing added. The platform canopies are plastic card mounted on a plastic section frame. The NHS building was built in a similar manner but, due to the strange shape, has more inner strengthening.



LED lighting and the scratchbuilt canopies helps to give the layout an authentic look and the opportunity to operate in darkness.

available, but region specific road vehicles were more of a problem. I had a modern Nottingham Fire & Rescue Land Rover, a modern Blood Donor van but no modern ambulance. The old Nottingham ambulance was available so I decided to make it the centrepiece of a fundraising scene for the local Air Ambulance. This scene had the added bonus of taking part of the car park out of action. There is a limited number of 'average' modern day cars available, meaning I could get enough variety to fill the remainder.

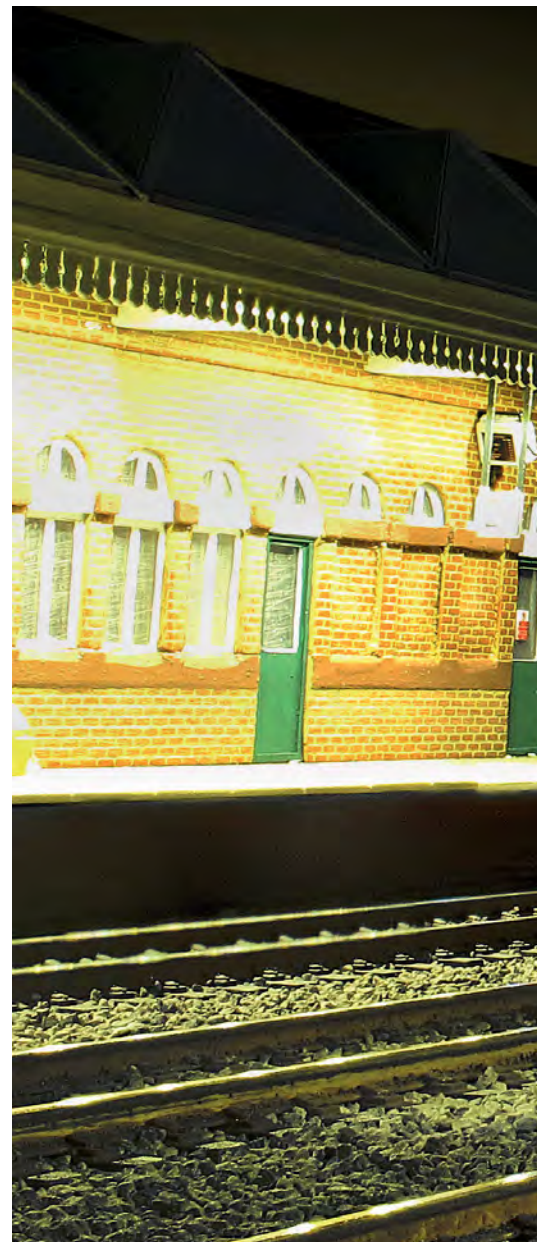
ROLLING STOCK

My favourite train has to be the Rail Head Treatment Train (RHTT) consisting of two sound-fitted EWS Class 66s with scratchbuilt FEA-F flats. This is, so far, my only attempt at scratchbuilding stock and was inspired by a magazine article from 2009. I started with a pair of Bachmann intermodal flats and I constructed the rest using plastic card for the control boxes, brass rod for handrails, 25mm household waste pipe for the water tanks and DAS modelling clay for the tank supports.

Once they had been painted, I added orange lining and overhead warning flashes from a sheet of transfers. The other markings were edited on computer and printed on an inkjet printer to finish off the decoration. Although it is not 100% accurate, I feel it does the job and I'm even more impressed with it now it's been weathered.

Modelling the current railway scene means I can run a variety of colourful stock. I have East Midlands Trains, Northern Rail and CrossCountry DMUs, Network Rail stock moves including a Bachmann Windhoff MPV, the RHTT, light engine moves, steam charters and even a Class 20 hauled 'Jolly Fisherman' Railtour with blue and grey Mk 1s.

All stock is fitted with Kadee couplings and weathered, either by RBW Loco Weathering or Grimy Times. All sound-fitted stock has Olivia's Trains sound - which means I only need three lists of sound functions; one for DMUs (including the



MPV), one for diesel locomotives and one for steam. Not all stock is fitted with sound at the moment and due to the costs this is an ongoing process.

CLUB HELP

I am now a member of the Ilkeston (Woodside) Model Railway Club where the layout is currently set up. Joining a club not only gives you access to the experience and knowledge of other modellers, but helps you to find new friends with similar interests, and help when transporting and operating a layout to exhibitions. Since moving the layout to the clubroom, I've replaced the fiddleyard with 6' x 2' boards. This means less handling of the stock and less chance of dropping or damaging anything.

I would like to thank Ilkeston (Woodside) MRC for allowing me to keep the layout in the clubroom – I would have had to sell it otherwise. Also thanks to Olivia's Trains, Sherwood Models, Malc's Models and Layouts4U. Many thanks to Richard of www.rbwlocoweathering.com for weathering the majority of the stock. Last but not least, thanks to IWMRC club members Matt, Shaun and Teresa for help with some of the finishing touches.

'London Road' made its exhibition debut at Ilkeston (Woodside) MRC's show in February 2015. If you would like details of the IWMRC show or to invite us to your exhibition please contact; peteabbott2812@talktalk.net



Passengers wait to board an EMT Class 153 as darkness falls.



Appropriate station lighting and working multi-aspect signals make for an impressive look at night.



PART 2

ELVEDEN ROAD TMD



Elveden Road was built to service HST sets used on the Midland Main Line, but now sees a variety on contract maintenance work.

FACT FILE

- **Layout Name:** Elveden Road TMD
- **Scale/Gauge:** 1:76 scale, 16.5mm gauge OO
- **Size:** 12' x 2'
- **Era/Region:** Modern day, East Midlands
- **Location:** Garage
- **Layout Type:** End-to-end
- **Control:** Lenz DCC
- **Words:** Matt Hinds
- **Photography:** Andy York

Around 20 years ago, during the final years of BR, an additional depot was constructed in the East Midlands to service HST sets, complementing Etches Park in Derby. However, locomotive-hauled trains or DMU stock were also serviced there as required.

After privatisation in the mid-1990s, Elveden Road depot was operated by Midland Mainline (MML). Subsequently, most of the stock serviced was MML

or Virgin Cross Country plus DMUs from Central Trains. East Midlands Trains took over when the MML franchise was re-let in 2007.

'Elveden Road' gained a reputation for high quality work. As a result, despite its location and ownership, other TOCs began to send stock for attention. HSTs from further afield including First Great Western and GNER/East Coast sets have been serviced at the depot. During 2007, 'Elveden Road' took part in FGW's HST refurbishment programme, in a co-operation with Bombardier.

As the work increased, an extension was constructed, purely for servicing coaching stock. The new facility included a four-road maintenance shed, stabling sidings, a fuelling point, plus additional office space and warehousing.

When deciding on what to build, I had two parameters to follow; the layout had to be 12' long and use DCC. With the help of my friend Simon Lawson, we set out discussing (and scrutinising) ideas from collieries to a wagon works, but we eventually settled on a depot servicing Mk 3 coaches.

During the design phase I didn't take much

inspiration from other sources, although I did study photographs of real depots such as Etches Park and Leeds Neville Hill - mostly for the buildings.

There aren't many layouts based on this type of depot but one that provided much inspiration was 'Aberdeen Kirkhill'. This amazing layout has been one of my favourites for years, so it was great for me to finally use it as inspiration for my own take on an HST depot.

CONSTRUCTION

'Elveden Road' is constructed from three 2' x 4' boards built from 3" x 1" softwood frames with a 9mm MDF top. Two of the boards were recycled from Simon's Network Rail depot which had to be scrapped due to a house move.

When the layout is at home it lives on a purpose built 'bench' in the garage, but at exhibitions it is supported by four Stanley sawhorses.

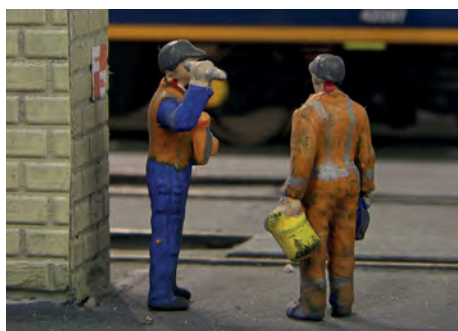
Trackwork is Peco Streamline Code 100, using large radius points. The tracklaying was largely completed over the space of a week in April 2014, with help from Simon. The layout is wired for DCC operation,

There aren't many layouts based around this type of depot, but 'Aberdeen Kirkhill' has long been one of my favourites.

Two scratchbuilt maintenance sheds dominate one end of the layout, but there's also a fuelling point and stabling sidings.



A Freightliner Class 57/0 departs with EMT Mk 3 trailers going for overhaul. The concrete road bridge is an ideal scenic break.



Fitters discuss their next job outside the shed.



"Where's this pallet you want moving boss?"

although I prefer to operate points in the old way, with toggle switches. A CDU is housed in the control panel, which was scratch-built from plastic card and features a trackplan designed on a computer and printed on a vinyl sticker applied to the panel lid.

The layout does not yet have signals but I have installed the wiring and indicator LEDs on the control panel ready for when I get to this stage. There will be nine signals, six of which will control the depot tracks, and the other three will control shunting elsewhere in the yard.

The most significant features on the layout are the two depot buildings. The front shed is used to service coaching stock while the one at the rear is a section of a much larger building that would actually extend beyond the backscene and is used to service HSTs and DMUs.

These buildings were designed on a lazy Saturday afternoon by Simon and I and are entirely scratch-built from plastic card. The roof vents were made, believe it or not, from fizzy drink bottle tops. I can't take any credit for the buildings though; they were built by Shaun of Ilkeston (Woodside) MRC and are ten times better than if I would have been able to achieve.

A DAY OUT AT ETCHES PARK

The first exhibition for 'Elveden Road' was the 2014 Etches Park Open Day, part of the 'Derby 175'



To read more about 'Elveden Road' see Matt's RMweb blog at: <http://bit.ly/1zUEqfM>

celebrations. Exhibiting a layout based on an East Midlands Trains depot at an EMT depot is not an opportunity that comes around every day. It was a fantastic way for the layout to make its debut. I came away from that day with my head spinning with ideas for different features and details that could be added to the layout.

One such plan is to add a wheel lathe building. It will be quite a big job that will involve moving the crossover and altering the track layout, adding an inspection pit and reballasting the board.

ROLLING STOCK

As Hornby is the only source of HST and Mk 3 stock for OO gauge, most of the fleet is from this manufacturer. Other



Sadly, most depot supplies are delivered by road these days, leading to sights such as this at the entrance gate.



EMT shunter 08 951 *Brian Clough* is fitted with DCC sound, working lights and a 'Stay Alive' unit for reliable running at low speeds.



diesel locomotives are from the Bachmann range. All stock is fitted with Kadee couplings. There are uncoupling magnets fitted either under the track or hidden in the hard standing to allow for 'hands free' uncoupling.

My favourite locomotive is my East Midlands Trains Class 08 shunter, a Hornby model bought from Olivia's Trains in Sheffield and fitted with LED marker lights, DCC sound and a 'Stay Alive' capacitor to improve reliability. This is a unique model as not only is it a custom repaint into a livery not available off the shelf, but it also has its own name and number to make it truly my own. It is named *Brian Clough* after the legendary football manager who managed teams in Leeds, Nottingham and Derby, all of which have EMT maintenance depots.

I would like to thank Simon for helping to design the layout and offering help and support throughout the entire project. Also to thanks to Ilkeston (Woodside) Model Railway Club for its ongoing support. Two members in particular deserve a mention, firstly Shaun for making the depot buildings and Teresa for painting figures! **BRM**

MY FAVOURITE TRAINS

Without doubt, it's my High Speed Trains because of their sleek design, colourful liveries and the (sadly now gone) screaming Paxman Valenta engines. However, to model an HST and do it justice you usually need a large tail-chaser type layout. But, as I have proved here, a layout based around HSTs can be achieved in just 12'!

Lighting is an important part of the layout and is even installed on the fuelling point.

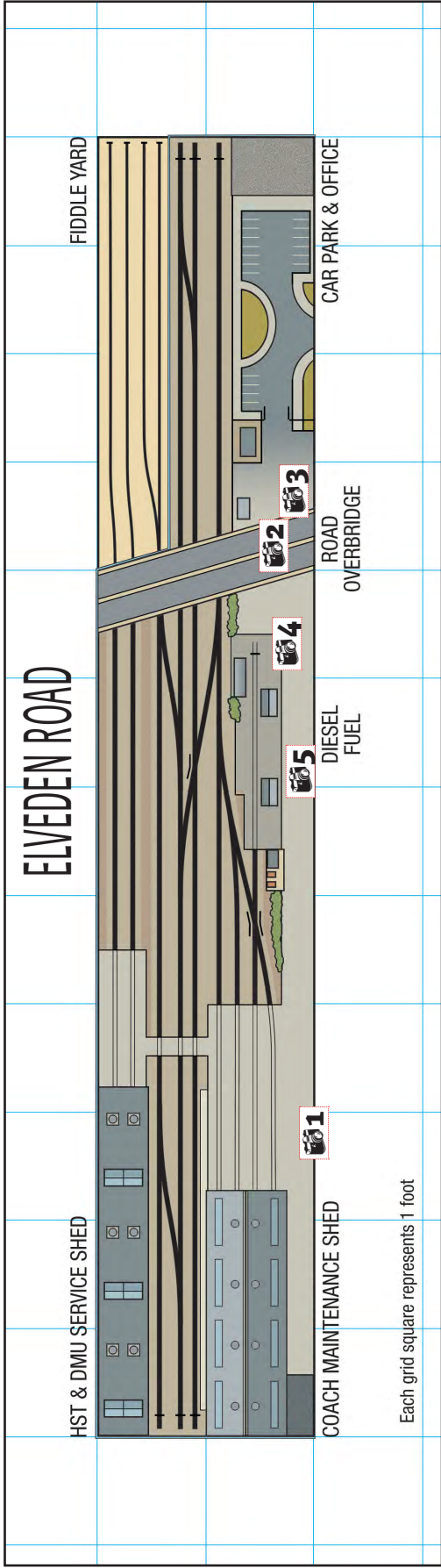
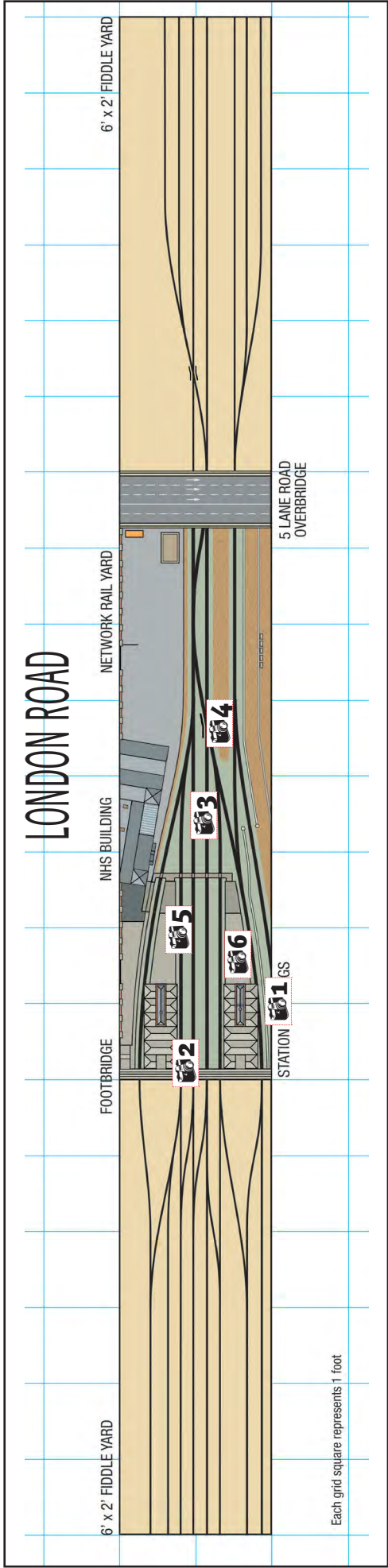


00
GAUGE

LAYOUT FOCUS

LONDON ROAD/ELVEDEN ROAD

Sanfordson





THIS MONTH'S NEW RELEASES

1:76 Scale '00' gauge precision diecast models



Details May Be Subject to Change



23323 AEC RF Coach **VALLIANT / SILVERLINE**
Ex London Transport RF 573 is seen here in the livery of Valliant / Silverline Contract Division and was used for a variety of coaching duties. The blinds show it was entry number 78 at the 21st British Coach Rally in Brighton in 1975.

APRIL RELEASE



28011 Daimler DMS 1 Door **WEST MIDLANDS P.T.E.**
It is some time since we released a model from the West Midlands P.T.E. fleet, so this Daimler DMS will be welcomed. Registered MLH 350L, fleet number 5564 is working route 9 to Quinton.

MARCH RELEASE



28910 GM Standard Atlantean **LONDON COUNTRY NORTH WEST**
Within London's AN class buses there were a few Northern Counties bodied GM Atlanteans as seen in fleet number AN 814. Registered LJA 605P our model is working the busy route 142 to Brent Cross.

APRIL RELEASE



28824 Leyland Titan 2 Door **LONDON TRANSPORT**
London's Titans were a success and route 87 was serviced by them for over 20 years, quite an achievement. T119, registered CUL 119V is working route 87 to Barking and has adverts for Surf and Fare Deal.

APRIL RELEASE



36903 Park Royal Regent V **EAST KENT N.B.C.**
After the rapid sell-out success of our previous Regent V we have had many requests for another East Kent version and this time in N.B.C. livery. Registered AFN 770B, fleet number 7770 operates route 501 to Arlington Town Centre.

MARCH RELEASE



26626 Plaxton Paramount 3500 **FIRST SOUTHERN NATIONAL**
Southern National has many collectors and this Paramount 3500 will expand the model fleet nicely. Registered UFX 330, fleet number 2229 is on service X96 to Bristol.

APRIL RELEASE



18014 Daimler MCW Fleetline **GREATER MANCHESTER**
The changing colours of Manchester's buses as they went from City to P.T.E. and on to G.M.T. has created an interest with collectors. In the colours of Greater Manchester Transport, our Fleetline 4606, registered 4606 NE is working route 82 to Waterhead.

MARCH RELEASE



27318 Leyland TD1 **WILTS & DORSET**
With the anniversary of Wilts & Dorset approaching it is time for a little reminiscing and here our Leyland TD1 registered MW 7048, fleet number 87 is working on route to Wilton. The small quantity available means this will sell out fast.

APRIL RELEASE

For EFE Stockists or to Buy Direct call: 0208 344 6720

Want to keep up to date with all our new model releases?

Why not join our EFE Subscription Service! *See our website for more details.*

www.exclusivefirsteditions.com



SECOND HA

As the cost of new models increases, **Phil Parker** looks at the potential for making the most of older products, easily obtained for bargain prices.

Model railways are an expensive hobby, or so we are always told. One problem is that model shop shelves are becoming ever more packed with superb products and all that lovely detail costs money. Worse, once out of the box, someone like me will come along and suggest that perhaps you might like to modify the freshly purchased item to make it more personal.

"I'm not weathering my locomotives, they cost over £100 and I'm scared of ruining them", is a familiar response whenever anyone suggests adding some light weathering. That's a fair point. What we need is to find something cheaper to work on and build up our confidence.

Material for that is easy to find. It's piled in boxes on secondhand stalls at exhibitions, on tables at car boot sales and cluttering up the cheaper end of online auctions.

SIGNALBOX

Tri-ang introduced the R145 Modern Signal Box in 1961 and while previous efforts might have been freelance, this is firmly based on a BR Type 15 box. You can find the full size version at several locations on the West Coast Main Line to this day.

At first sight, some examples look a little gaudy with pillarbox red brickwork and interesting

Get past the gaudy original colours and there's a lot right with this Tri-ang signalbox. It's not perfect but it can look the part.

bright green hatches on the roof. Get past this though, and there is a lot right with the model. For a start, Tri-ang managed to use the correct brick bond, something more modern manufacturers don't always manage. The wooden upperworks aren't perfect but it certainly looks the part.

The plan with this model is to produce an acceptable version of the Type 15 'box for a layout. If you want a perfect model then either buy the Bachmann resin version costing over £30 or try your hand at scratchbuilding. Here, we'll aim for character, something that looks OK without taking too much effort or expense. **BRM**

THE CHALLENGE

Most people regard older models as rubbish nowadays and if your comparison is with the latest high fidelity examples then of course they will lose out. With so much new stuff around however, prices have fallen and you can pick up raw material for projects that won't break the bank. Over the next few months, **BRM** will look at older models and see how we can re-work them into something to be proud of. Everything has been acquired secondhand from stalls or the internet. In the spirit of the challenge, we'll be keeping the costs down but showing some interesting techniques. Most importantly, we'll save a few old models from landfill and have some fun along the way.



ND SAVERS

PROTOTYPE INSPIRATION

If you need inspiration for your model, visit: www.flickr.com/groups/1536974@N24/ for a vast collection of photos.

STEP-BY-STEP GUIDE



My model had been in the wars; one of the roof corners was broken. To be honest, there are so many models out there, you would be wise to find the best you can but I decided to try a repair.



A repair section was let in using 1mm plastic sheet. A good strong solvent is required to bond the Tri-ang plastic and new material. Plastic Weld, intended for ABS, works but I found that Slater's Mek-Pak seemed good enough for the job, if a little slower to set.



Removing the stairs and end panels is a messy and destructive process. Drilling, sawing, filing and attacking the model with a slitting disk in a mini-drill removed the material I didn't want. However you do it, this is what you want to end up with.



Slater's Plastikard brick sheet makes the replacement walls. Tri-ang used the correct English bond brickwork and so it's worth getting a matching sheet.



The upper framework is made up from square section plastic with some thin sheet scribed to fill in the lower panels. I didn't worry about replacing the floor or modifying the interior, other than expelling a spider that had taken up residence. You can't see much from outside.



Stairs are from Plastruct along with their handrails. The balcony is couple of 3mm deep lengths cut from 1mm sheet with a floor from the same material.

PLASTIC SECTIONS

While it is perfectly possible to cut all the parts for this conversion out of sheet plastic, it's an awful lot easier to make use of some of the ready-to-use sections to be found in the Plastruct or Evergreen ranges.

Square 1mm and 2mm section was used for the framing around the windows and, being perfectly square in cross section, makes it easier to produce accurate results. As for the stairs and handrails, while the ones I've used might nominally be HO (1:87 scale), some things are just worth buying in rather than making from scratch!



Brickwork starts with a coat of Humbrol 121. Once dry the surfaces are coloured with brown pencil crayons.



On the roof, the cut-out section is built up with plastic and the missing (on my model) chimney replaced with some plastic tube.

TURN OVER FOR A FRESH LOOK AT ANOTHER CLASSIC

PRACTICAL BRM



STATION HALT

Hornby's R590 station halt set is a child of the 1970s but still appears in the current catalogue. I've always had a soft spot for the building which, perhaps surprisingly, is as well moulded as anything you are likely to find in a modern plastic kit.

I've used a boxed set containing a very short platform and some station furniture. To be honest, the platform is far too short, but since the design is modular and hasn't changed for many years, some digging around in boxes of old buildings should provide extra sections to lengthen it.

Inspiration for my model came from the front cover of Robert Hendry's book *British Railway Station Architecture in Colour* (Ian Allan). There is a photograph of Chester Road station in Birmingham in the days before it was replaced with a modern corrugated shelter. The run-down wooden building with faded and dirty paintwork oozes atmosphere and would sit very nicely with some Rail Blue DMUs rattling past. **BRM**



PLATFORM FURNITURE

Hornby provides a couple of sprues of detail fittings, including several items of platform furniture. Be careful, as this sort of detail changed significantly over the life of a halt such as this.

Weighing machines, platform trolleys and benches were common enough when the station was manned but as soon as the staff were removed, anything not firmly nailed down would leave with them. If the passengers were lucky, they would have a bench to sit on but not much else.

The electric tug for platform trolleys is strictly a main line station item but some were sold to large factories so if you have some industry on your model, it might be better re-homed there.

INSPIRED? FIND SECONDHAND
BARGAINS ONLINE NOW AT
RMWEB BUY & SELL
www.rmweb-buyandsell.co.uk

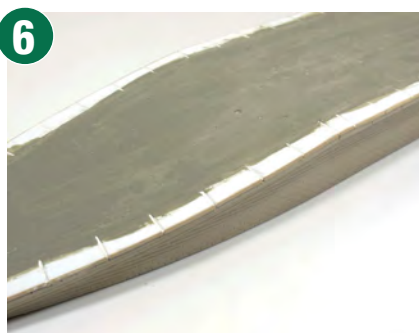
STEP-BY-STEP GUIDE

1



The model does pretty much what it says on the box. Three platform sections, some fencing, a building and some platform furniture. Although you can buy everything in one go, the component parts have been available for years.

6



A couple of coats of Phoenix Precision 'Faded Tarmac' colour finishes the surface. On the brick faces, Humbrol 121 represents mortar, the bricks are coloured in the same way as on the signalbox.

10



Windows were glazed with Micro Krystal Klear. Once the panes have been filled, it's best to leave them horizontal to dry so the liquid doesn't work its way to the base of the window.

14



Although waterslide transfers are included for timetables and posters, they are too big for the noticeboard so I made smaller posters from white sticky labels lightly pencilled so the eye thinks there is writing from normal viewing distances.

2



The platform sections clip together. For a more realistic finish, I glued them with a solvent suitable for ABS, normal glue won't give a strong joint. The platform faces appear to be made of breeze blocks - which isn't unheard of - but the joints need to be filled. I stuck some brick effect Plastikard over them using a mild solvent. UHU would work just as well for this job.

7



11



While the Klear was out, a couple of drops under the lamp shade made a nice bulb. I found I needed to let the first drop dry and then build it up with a second.

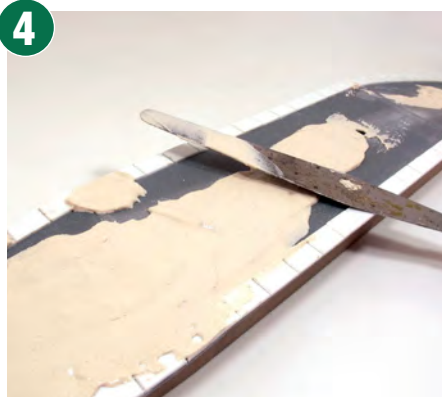


3



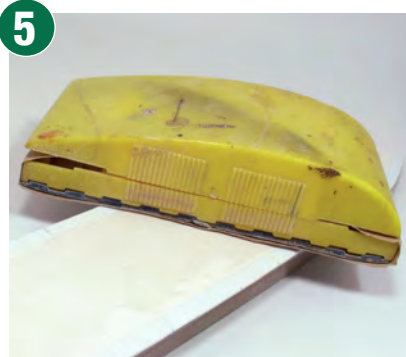
Along the edges, paving slabs cut from 1mm thick plastic are fitted. I went for a scale 3' by 2'. Applying them individually allows the slabs to follow the curves at the ends.

4



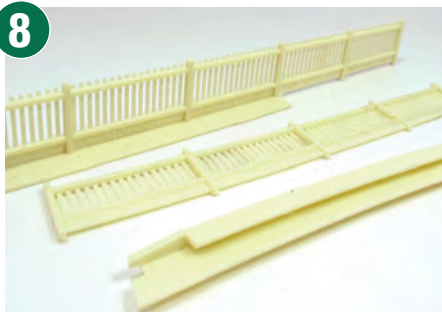
The platform surface is made from household filler smeared on with an old knife.

5



Once fully dry (leave it overnight) the surface is smoothed with fine sandpaper on a block. It's a messy job so work outside or have a vacuum cleaner handy.

8



Fences are designed to clip on to the back of the platform. The sloped sections have separate clips which I discarded. The straight section needs its clip cutting away with a sharp knife.

9



Drilling 3mm diameter holes in the platform edge allows the posts to be inserted in to the surface.

12

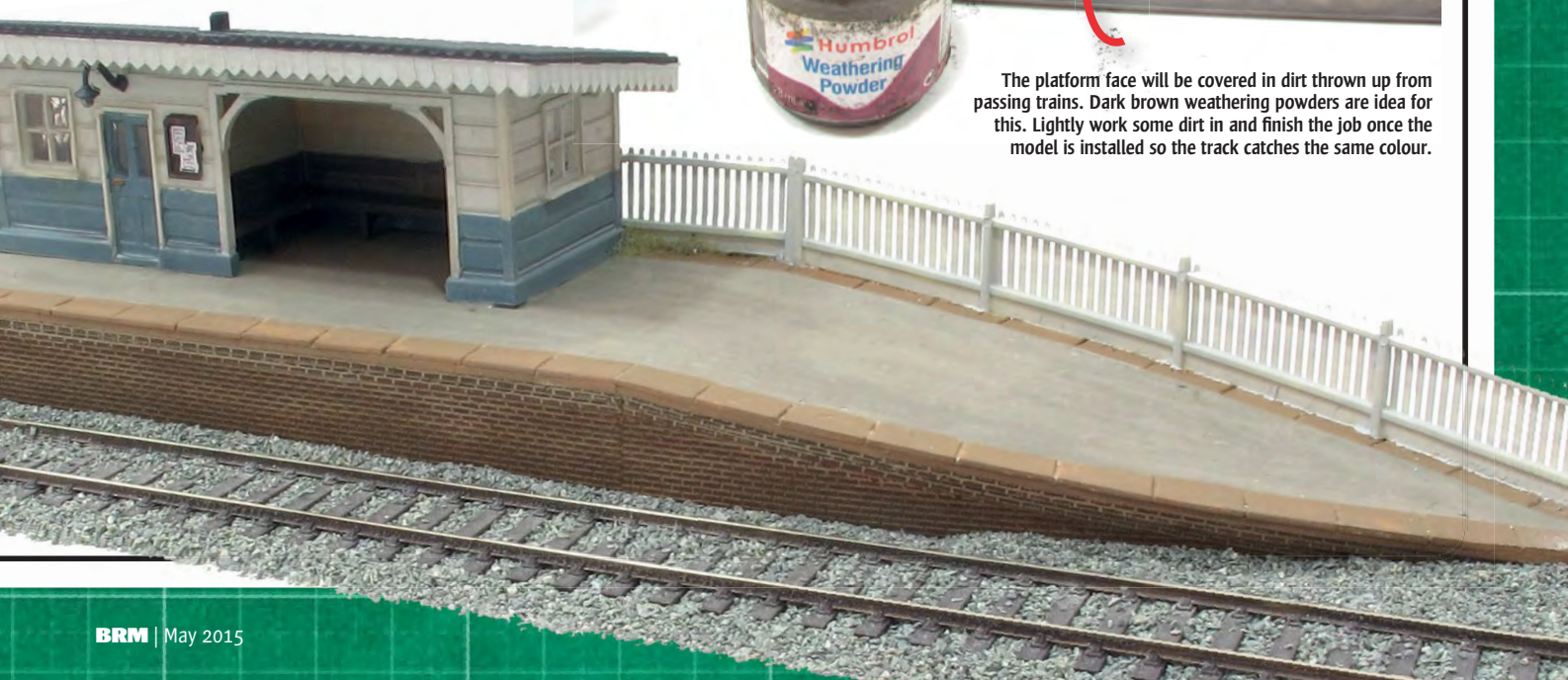


Every run-down station will have weeds taking root in the corners. Flock powder or electrostatic grass applied in small patches will replicate this.

13



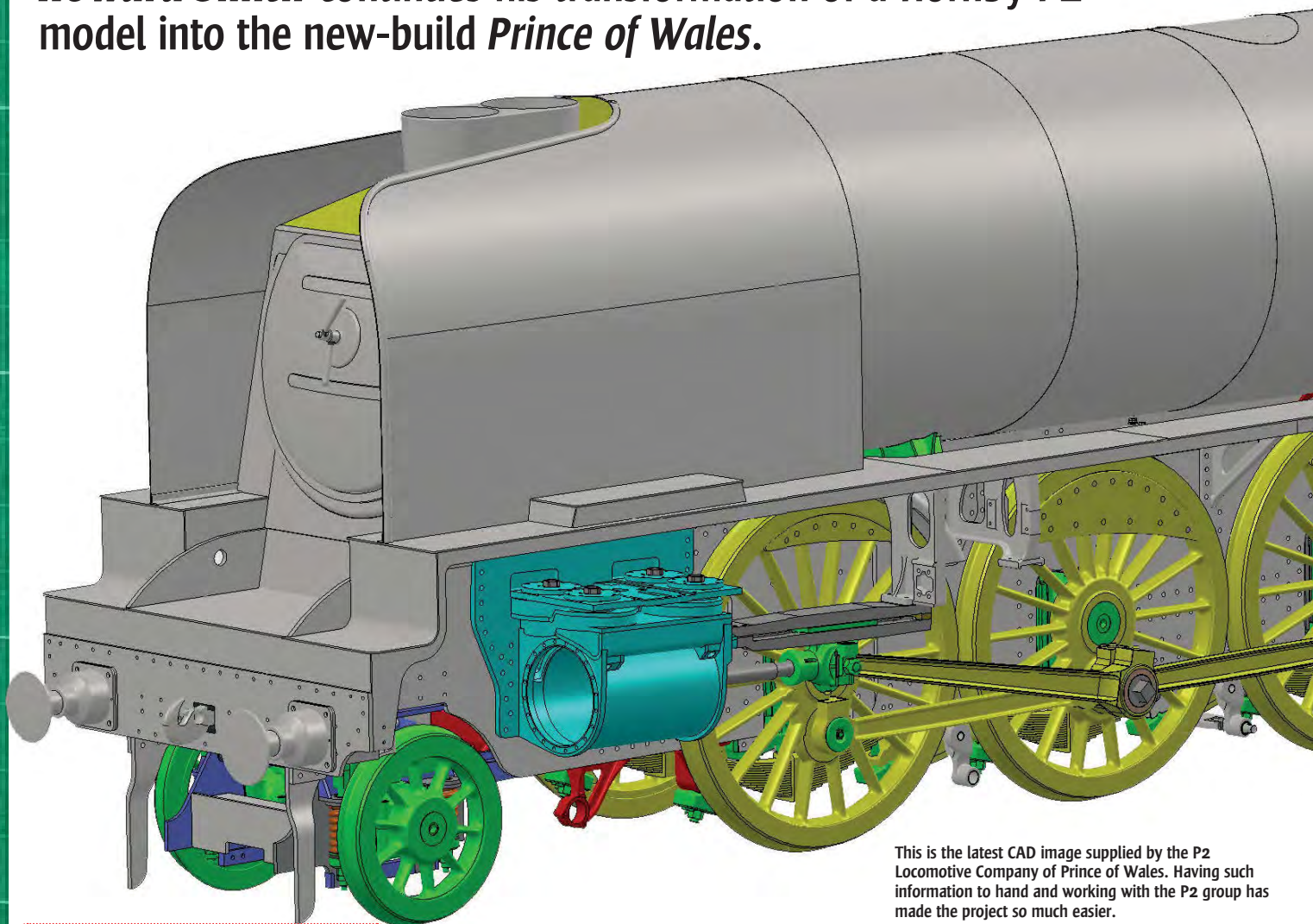
The platform face will be covered in dirt thrown up from passing trains. Dark brown weathering powders are idea for this. Lightly work some dirt in and finish the job once the model is installed so the track catches the same colour.





THE NEW-BU

Howard Smith continues his transformation of a Hornby P2 model into the new-build *Prince of Wales*.



This is the latest CAD image supplied by the P2 Locomotive Company of Prince of Wales. Having such information to hand and working with the P2 group has made the project so much easier.

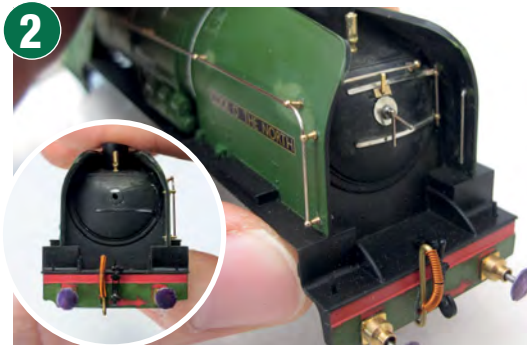
STEP-BY-STEP GUIDE

1



Leaving off from the last episode when the plastic handrails were removed, new brass ones are installed. A 0.6mm drill in a small pin vice makes the hole to accommodate the knobs. The handrails are bent to shape and cut with tin snips. I'm using 0.45mm nickel silver rod from Albion Alloys.

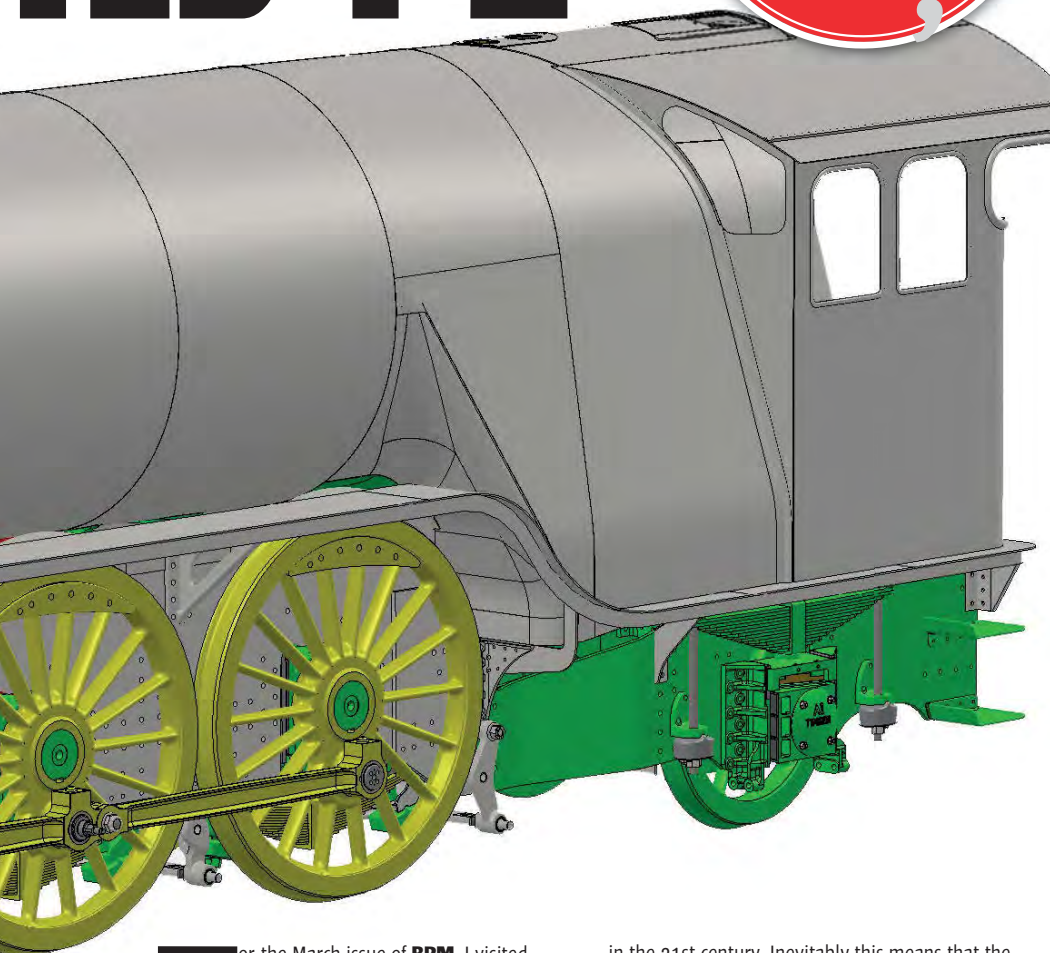
2



The face of any locomotive is an important feature and it needs to look right. The smokebox door hinge on the Hornby model leans towards the rear. If the prototype had such an arrangement, it would be very difficult to open the door - its weight would act against it. I'm carving all of the front detail away to replace it with 10 thou nickel silver strips and shapes. Note the Humbrol Maskol to protect the polished surface of the buffers.

ILD P2

You could be the proud owner of this model and help to make No. 2007 a reality.



For the March issue of **BRM**, I visited Darlington works where a brand-new P2 is being constructed to find out how it will differ to the original design of locomotive. David Elliot, Director of Engineering showed me what is being done and how they plan to make a design of the 1930s suitable for running

in the 21st century. Inevitably this means that the group needs to adapt the original design, and this, along with other improvements is what I set out to achieve in model form.

The finished model will be kept unveiled in next month's issue, so here is the continuation of my modifications to the Hornby Railroad P2.

OWN THIS MODEL



This 4mm/ft scale model of P2 locomotive 'Prince of Wales' is being auctioned to raise funds for the P2 Steam Locomotive Company project - to build a real Gresley 2-8-2 of the same name.

This model is available to buy and sealed bid offers are currently being taken. The proceeds from the winning bidder of the auction will go directly to the P2 Steam Locomotive Company and contribute towards the £5m target to get 'Prince of Wales' on the rails.

The winning bidder will become part of the history of building the new P2 and the owner of a unique model in 4mm/ft scale. Also included will be a signed certificate by Mark Allatt, Chairman and David Elliott, Director of Engineering of the P2 Steam Locomotive Company.

Plus, we've teamed up with the P2 Steam Locomotive Company to offer the winning bidder exclusive access to the workshop at Darlington where *Prince of Wales* is being built. You'll get a guided tour of the premises and see the progress being made for yourself.

All we need to know is the maximum bid you are willing to place to win the model.

No need to send us a cheque at this stage. Simply send the following information to BRM, Warners Group Publications, The Maltings, West Street, Bourne PE10 9PH.

Name

Maximum bid

Telephone Number

Address

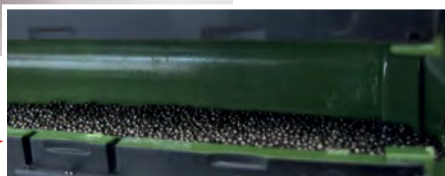
Email address (if any)

The winner will be contacted after the closing date and feature in the August 2015 issue.

Good luck, and remember, you need to be in to win. Bids to be entered before June 15, 2015.



I don't like locomotives being too light. Nothing looks worse than a locomotive that is unable to haul a nice long rake of coaches. Some Liquid Gravity from Deluxe materials is carefully poured into the body, so as not to foul the chassis when replaced. It's then glued with superglue sparingly.



The tender of the locomotive, despite its metal weights is still a tad on the light side for my liking. This is only exaggerated now that that we've added some more weight to the locomotive.

Liquid gravity is again poured into the chassis cavity to lower its centre of gravity making it run smoother over all types of trackwork without shaking.

This is acceptable given the number of axles on the both locomotive and tender, as the weight is evenly distributed, but be wary of adding too much weight to locomotives with shorter axle configurations as it will just lead to the premature wear of parts.

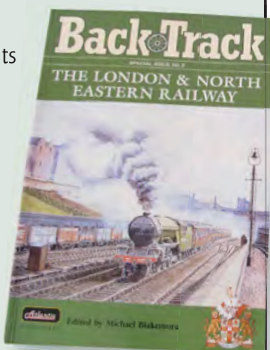


STEP-BY-STEP GUIDE

REFERENCE

Books - nothing beats them. I like to gather information from more than just one source and so borrowed these two from LNER locomotive connoisseur Tony Wright.

Both have a chapter on the LNER P2s, to the left, *Back Track* Special issue number 2 on the LNER and to the right *Yeadon's Register of LNER locomotives Volume 9*. Of more use than anything are the photographs showing the front ends. They are both good reference books to any LNER modeller.



5

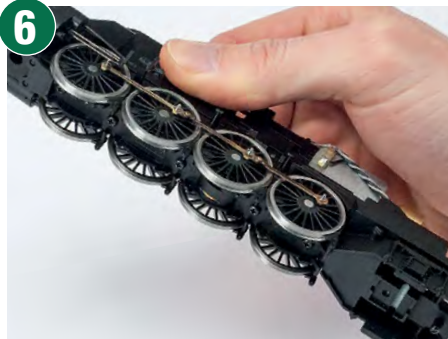


8



Nothing shows your model off quite like putting it in a display case. This one comes from Picture Pride displays and will help keep the dust at bay, it makes placing the model on a shelf or coffee table much easier. A short length of Peco Code 75 track, cut to length is painted with Humbrol Matt 173 and then superglued into position. I used Peco ballast with the usual 50/50 mix of water and PVA glue to fix it. You might find an eyedropper useful to avoid the ballast moving too much. If one isn't to hand, a small teaspoon can be used carefully, pouring it into place a bit at a time.

6



A complete set of wheels for both the locomotive and tender was commissioned from Alan Gibson on 3mm axles. These are now part of his range and available to buy. You need to quarter them yourself - not an easy task, but with some adjustments they can be made to run true. Note that the rods are temporarily in place to check for possible binding. Once completely happy that they run true, only then will I glue the wheels into place. You'll need to save the drive gear from the original set of wheels.

9



Once happy with the modifications on all parts of the locomotive, the locomotive needs to be prepared for the paint shop. Double check before cleaning that no excess glue remains on any of the surfaces. The very runny superglue that I prefer to use can travel quite far if you're not careful. If you do need to clean excess glue from such a surface, avoid needle files as they can easily dig in. I'm using a set of sanding sticks sold by airbrushes.com. They are perfect for soft plastics and you can work through the grades until you have a perfectly smooth finish.

11



Above and left Preparation for any paint project is a key element. In fact, the time it takes to properly clean and mask a model is probably more than painting the model itself, but it's time well spent. You can't really afford to take any shortcuts at this stage or you'll find paint imperfections later on. It's a great shame to get it wrong when you've spent so much time on a model because it's the first thing you see. I'm masking the tyres of the wheels with Tamiya 9mm masking tape and Humbrol Maskol on the harder to reach areas. Both are easily peeled later on and it will save having to clean the wheels.

Many modellers clean the wheels with a fibreglass pen after painting - this leaves lots of abrasive fibres all over the model and risks damaging the finish.

Right The steel buffers of the finished model will be left unpainted, but polished, just like the real ones. Wilder sanding sticks are used again (ref: AW-TS-02) and a thick coat of Maskol is applied before the surface is scratched with handling. Once painted, it's peeled away.

12



7



What use would a locomotive be without a crew? A set of figures from Mike Pett is painted with enamels to resemble a modern crew in retro-clothing, with the inevitable health and safety jackets. I find that gluing them to a support helps handling. Here, an old piece of MDF is used. Start off with some washed out colours for the coats and trousers, applying the bright orange of the jackets last. Once the paint is completely dry, you can use a scalpel blade to separate them. Remember, never use satin or gloss paints on figures or animals - nothing looks worse. When was the last time you saw a shiny cow?

10



Time for a clean. Wherever possible, avoid using washing up liquids as they will leave a chemical deposit on the surface which may affect the paint later on. The odd handrail did use a little flux to solder, so I'm using a household cleaner with an old toothbrush to remove this. Once rinsed thoroughly under plenty of water and dry, the whole model will be cleaned once more to remove any contaminants with Phoenix precision PQ19 Super pre-paint cleaner. This solvent is suitable for most plastics.

13



I'll be using a two-pack paint activated with thinners to paint the P2 with an airbrush. This is probably the best way to get a really fine and professional-looking finish, but it takes time. You'll be able to watch these paints being used and a review of the latest Iwata Custom Micron Airbrush from Airbrushes.com on the July 2015 BRM DVD.



14



A set of *Prince of Wales* nameplates was commissioned from Narrow Planet and these are amongst the best I've seen. The firm offers a choice between brass and nickel silver etches with different background colours. They are both sharp and neatly painted, the perfect finish for any project you've spent time on.

15



I'm a loyal fan of Fox Transfers. Its range continually expands and is currently the best on the market. No matter what era, what railway, the chances are that unless it is very obscure, Fox stock the necessary transfers for it in a choice of scales from N upwards. The tender lining is much simplified in that it is printed as one continuous line, rather than having to apply corners and straights and aligning by eye. Some prefer to use a bow pen and paint, but if you look closely, no matter how skilled the painter, the lines will inevitably vary in thickness. And as for the finished model, well you'll just have to wait until next month when we unveil it. But remember, to have a chance of winning it and making the maximum contribution, you'll need to bid high!

NEXT MONTH SEE THE FINISHED MODEL, AND GOOD LUCK BIDDING!

MARK ALLATT, CHAIRMAN P2 LOCOMOTIVE TRUST

"Funding pledges for new Gresley class P2 steam locomotive No. 2007 *Prince of Wales* have reached one-third of the £5m required to complete Britain's most powerful steam locomotive by 2021. In only 12 months since the launch of the project's 'P2 for the price of a pint of beer a week' (£10 per month) regular donation - or covenant - scheme, funds either already donated or pledged by Standing Order have already passed £1.7m.



Construction progress to-date includes:

- Frame plates for locomotive and tender rolled and profiled
- Locomotive frames erected at Darlington Locomotive Works
- All 20 wheels cast; eight 6' 2" driving wheels proof machined
- All major frame stays, brackets and horn blocks cast and machined - 26 in total; further 16 axlebox and buffer castings underway
- Roller bearings for all locomotive and tender wheelsets and tyres, axles and crank pins ordered
- Over 1,000 fitted and driven bolts ordered
- Preliminary discussions held with boiler manufacturers and forged foundation ring corners manufactured and machined
- Vampire study into ride and suspension completed and Finite Element Analysis of crank axle underway to ensure locomotive complies with modern standards
- Assessment and Notified Body appointed to oversee certification for operation and main line running
- Nameplates delivered and chime whistle ordered

We are delighted with the level of support that the project to build Britain's most powerful steam locomotive has received since its launch. Thanks to our supporters' continued generosity, over £1.7m has now been donated or pledged. We are hopeful that we will have completed the rolling chassis for No. 2007 *Prince of Wales* next winter and remain on-track for completion of the new locomotive in 2021. However, to maintain this rate of progress we need to continue to raise in excess of £700,000 per year, which given the nature of the regular donation scheme becomes more challenging as each year passes. Bidding on this OO gauge model locomotive is a great way to contribute to the funds needed to get *Prince of Wales* on the rails. It is estimated that the new class P2 will cost around £5m to build over a 7-10 year period. As with *Tornado*, funds will be raised through regular monthly donations, donations dedicated to specific components and commercial sponsorship. For details of how to join the boiler club, visit www.p2steam.com, email: enquiries@p2steam.com or telephone 01325 4 60163.



BRM MEETS... INVICTA MODEL RAIL

*Model railway shops are rare in London these days, but **Ben Jones** meets a relatively new retailer finding its feet well within Oyster Card territory.*

Established in 2013, Invicta Model Rail is a rare thing in the modern era; a thriving model railway shop within easy reach of central London. Located within sight of Sidcup station on Southeastern's north Kent suburban network, it's 30 minutes from Charing Cross in Travelcard Zone 5.

Whilst IMR may be a relatively new name in the model railway trade, its founders, Vernon Smith and Kerry Hollands have many years of experience between them, having previously worked for Beatties, Signal Box in Rochester and ModelZone. This, combined with a significant investment in exclusive limited edition models has propelled the company into the limelight over the last 18 months and helped to establish its position.

On a bright early spring morning, I caught a Southeastern 'Networker' out to Sidcup to find out how IMR got started and what makes it tick. In the 'cosy' upstairs store room that doubles as an office, Vernon explains how IMR got started.

"We started thinking about leaving The Signal Box in 2012. The company had changed a lot and we wanted to work somewhere closer to home, but far enough away from Rochester and other ModelZone outlets.

"This shop unit was ideal; it has great transport links - seven bus routes and a train every 15 minutes from central London, local parking and lots of passing trade. It was small, but manageable and had room for expansion. We opened on July 5 2013, originally working a five

day week, but we're now up to six days - plus shows.

"We managed to keep a lot of our regulars from our Signal Box days, but we also did a lot of events; they helped to get us noticed. Shows are tricky logistically, and very hard work, but they're fun to do and are a great way of meeting our customers and putting faces to names.

"We currently do 22 shows a year and **BRM's** 'Ally Pally', Peterborough and Doncaster shows are some of our best! We'd like to get into more of the bigger shows too but we also attend events at preserved railways such as the Bluebell - they're a great way to fly the flag and raise awareness."

Another factor that has thrust IMR into the public's gaze is its extraordinary output of

exclusive limited edition models, mainly from Bachmann. How did this come about?

"It all started when ModelZone was opening a new store at the Bluewater shopping centre in Kent. We decided we needed a special locomotive and went for Slade Green's 97800 *Ivor* as it was local. Bachmann produced it for us and it was a springboard for the series of Railway Technical Centre (RTC) red/blue models. We also did *Ivor* in NSE livery, which prompted another series. Almost anything in RTC colours sells, even if it's not correct. The Hornby RTC autocar we did with ModelZone was completely the wrong type, but the 1,000 piece run absolutely flew out!

"After that there were numerous MZ/Signal Box specials with Hornby, Bachmann, EFE, Sunstar and even Skymarks jetliners. Most were very successful, although the Hornby NSE Class 466 EMU and East Coast HST were disappointing.

"When ModelZone folded, we agreed to take on stock from Bachmann that had been manufactured but never delivered. This caused us major logistical problems as one little shop in south-east London wasn't exactly ideal for absorbing 46 shops' worth of limited editions in its first year!

"The stock included 11 re-liveries that were better suited to a national chain of shops and six exclusive Mk 1 CCTs, totalling many thousands of individual items. We've taken a very deliberate break to allow that lot to sell through, although

we are now in discussion with Bachmann about the next tranche of exclusives. We'd like to continue the popular RTC and Longmoor Military Railway series – I find military railways very interesting!

"There are lots of other things we'd like to do, dependent on resources and the availability of the right tooling. Limited editions are a big chunk of our business. Bachmann products have kudos with collectors and seem to be more collectable than things we've done with other suppliers. But, if the tooling we need is elsewhere, we will use other companies."

What inspires Vernon's selection process for exclusive models?

"Quite often it's family connections. For example, my grandfather was a Colour Sergeant in the Royal Marines, so that meant I chose 45041 *Royal Marines* when we wanted a limited edition BR blue 'Peak'. Likewise, Kerry has family connections with the Southern Railway at New Cross Gate, so we did a local brake van. All sorts of factors influence our choices."

IMR's limited editions are usually OO gauge products. Will there be any expansion into N gauge or other areas?

"We have another exclusive die-cast London Transport bus lined up with EFE (Vernon's other big interest is buses), to follow the LT Mk 2 Leyland National. We'd like to do more N gauge,

but they take twice as long to sell through as those we commission in OO and it has to be at the right price.

"We're starting to stock North American N scale models too; it's not a big market but the Walthers and Athearn HO products we stock do really well and we have a number of regular customers for it. To cope with the expansion, we're hoping to open the second floor of the shop up this year. It'll give us more space to display N gauge models, O gauge, die-cast buses and the North American lines. At the moment these are all crammed into a small space downstairs."

Based on this, and the steady stream of customers coming through the shop during my visit on a weekday morning, IMR is getting the mix right, but how have recent supply and pricing issues affected trade?

"A few months ago everyone was complaining about Hornby", Vernon responds. "But now Bachmann is being criticised over pricing and late deliveries (see page 36). No-one likes price rises, but if people want it and the product is good enough they will buy it. Bachmann's [LMS] inspection saloon is a good example; some complained about a £60 coach, but try getting one now. The product is far better now than it was even ten years ago and that costs money." Does he believe that the new generation of smaller suppliers will revive the market?

"It's great to have new entrants, but the market isn't growing. There's some brilliant product out there but I worry that there will be too many suppliers chasing too few niche products. We need the big suppliers like Hornby and Bachmann to attract new and younger modellers into the hobby. Unfortunately a lot of modellers don't like kids in the hobby but we need them, and we need products like the 'Thomas the Tank Engine' range to bring in new faces.

"It's a real pity we aren't able to bring in Bachmann's range of 'Thomas' products", he adds. "They're far superior to the old Hornby items in the UK."

What else sets Invicta Model Rail apart from the average model shop?

"We're in a blinding location; anyone living in London and the surrounding area can get here easily using a Travelcard or their Freedom Card for a day out.

"Although mail order is a big chunk of our limited edition and American outline business, walk-in trade can make up two-thirds of the rest. We offer a wide range of model railway items, accessories, die-cast models, tools and even books, which do really well for us."

And, having left with a bag full of Peco points and books, I can confirm that Vernon and Kerry have created a cracking model railway shop that belies its small size to provide everything the local modeller needs, plus exclusive products that attract a nationwide audience. If you're out and about in south-east London, call in and say hello. **BRM**



FACTFILE

A: Invicta Model Rail, 130 Station Road, Sidcup, Kent DA15 7AB

W: www.invictamodelrail.com

E: invictamodelrail@btconnect.com

T: 0208 302 7774



MODERN FI

James Makin explains how he scratchbuilt an essential feature of the modern world for Worthing MRC's 'Loftus Road' layout.

Recreating a slice of inner-city life, Worthing MRC's 'Loftus Road' represents our take on the diverse boroughs of West London in the 2000s.

Following on from our feature in June 2012 **BRM**, the layout has undergone a dramatic extension with a new fiddleyard and greatly expanded scenic areas, presenting the opportunity to really increase the London atmosphere through scenic development.

Inner-city petrol stations are relatively compact by nature, and the presence of businesses in nearby Shepherd's Bush and Hammersmith provided the perfect inspiration for a small scene on the expanded layout.

As a recognisable piece of daily life, it was immediately evident that no proprietary model bore any resemblance to the modern day filling station that we are all familiar with - from the shop to the canopy and pumps, this scene would have to be entirely scratchbuilt.

Filling station designs differ according to which petroleum brand operates the station; key differentiators being the pump, canopy and shop designs as well as of course, the branding. Both stations in Hammersmith and Shepherd's Bush were BP outlets, so it seemed natural to follow suit and pledge allegiance to the green-branded fuel giant, complete with an M&S Simply Food store. Having gathered reference photographs, I set about breaking down the project into the following segments;

- **Retail shop building**
- **Canopy construction**

- **Forecourt concrete area**
- **Fuel pump assembly**
- **Illuminated tower sign**
- **Fencing & walling**
- **Forecourt detailing**

BEYOND PETROLEUM

The petrol station shop is frequently the subject of jokes, with an ever-increasing amount of space given for customers to complete a full weekly shop, while others wait for the pumps to become vacant! It seemed natural to model this in 4mm scale.

M&S Simply Food stores started appearing at BP fuel stations from 2005 onwards, and form the basis of the retail shop for our project. The

shop building was based on a standardised BP design, featuring a brick-built building with glass frontage and white cladding. Bank ATMs also featured, further illustrating the wide range of services available.

Plans were drawn out and transferred on to artist's mounting card for cutting out and cladding with embossed brickwork and styrene sheet. The large front windows were formed of 1.5mm thick Perspex material, overlaid with thin styrene strip to replicate the fine window framing. The rear of filling stations tend to be minimalist, with only fire exits, loading bay areas and protected windows, if there is anything at all.

All of the sides were constructed separately and later joined to create the complete building. Because of the large front windows, it was decided to model the interior of the shop, especially as the entire model would be illuminated.

Constructing an entire shop, complete with shelving and individual 4mm scale products would be enormously time-consuming. However inspiration



FILLING STATION

KEY DETAIL PUMP ACTION

As the main feature of a filling station, it is essential to get the pumps correct, and with numerous designs in operation in the today, photographs are helpful to pinpoint your exact design.

Nothing commercially available comes close, so these 2000s-type BP pumps were scratchbuilt from small sections of styrene strip; starting with an open rectangle of plastic, sides were added and a horizontal middle section for the pump computer screen.

CorelDraw was once again fired up to create the distinctive BP Ultimate branding, along with tiny recreations of the individual fuel branding around each pump, and even the pump numbers are featured here!

The pump hoses are fabricated from fine wire - in this case, leftover spares from Lenz DCC decoder harnesses, coloured with black marker pen. The wires were superglued into the top of the pump and left to dry before being strung into the pump holder leaving the distinctive bends as found on the prototype.



It was immediately evident that no proprietary model bore any resemblance to a modern day filling station.

came from an unusual source, the videogame *Grand Theft Auto V*! The game designers created realistic 3-D look shop interiors, that upon close inspection, were actually only two-dimensional.

By using digital images of retail shelving and M&S store interiors, it would be possible to create a convincing appearance of a fully-stocked store with minimal effort. Gathering a wide range of M&S Simply Food branding and product pictures from the internet, I blended these together in CorelDraw to create banks of shelving. Product ranges include sandwiches, newspapers, drinks, confectionery and convenience foods; everything that you would find in a modern day filling station.

Printed on to photographic paper, these images were applied to pieces of foamboard to build up the banks of shelving, together with cash desks fashioned from plastic card, complete with miniature electronic tills and computer screens. Recognisable confectionery brands can be glimpsed, placed in the customer's eyeline to study while waiting to pay for their fuel!

A flat roof was installed, again from mounting card, overlaid with medium-grade sandpaper to provide texture. This was later painted in a varying selection of light greys, with repair patches and selected areas of green tinting



PRACTICAL BRM



USEFUL CONTACTS

Worthing MRC

W www.worthingmrc.co.uk

Loftus Road RMWeb Thread

W www.rmweb.co.uk/community/index.php?/topic/69628-loftus-road-by-worthing-mrc/



Working from photographs, every tiny detail has been modelled, from manhole covers to signage.

KEY DETAIL TOWER SIGN

Each petroleum brand has its own distinctive type of tower sign, but with many variations depending on the particular petrol station site, so it is best to consult photographs and build a tower to match your chosen prototype.

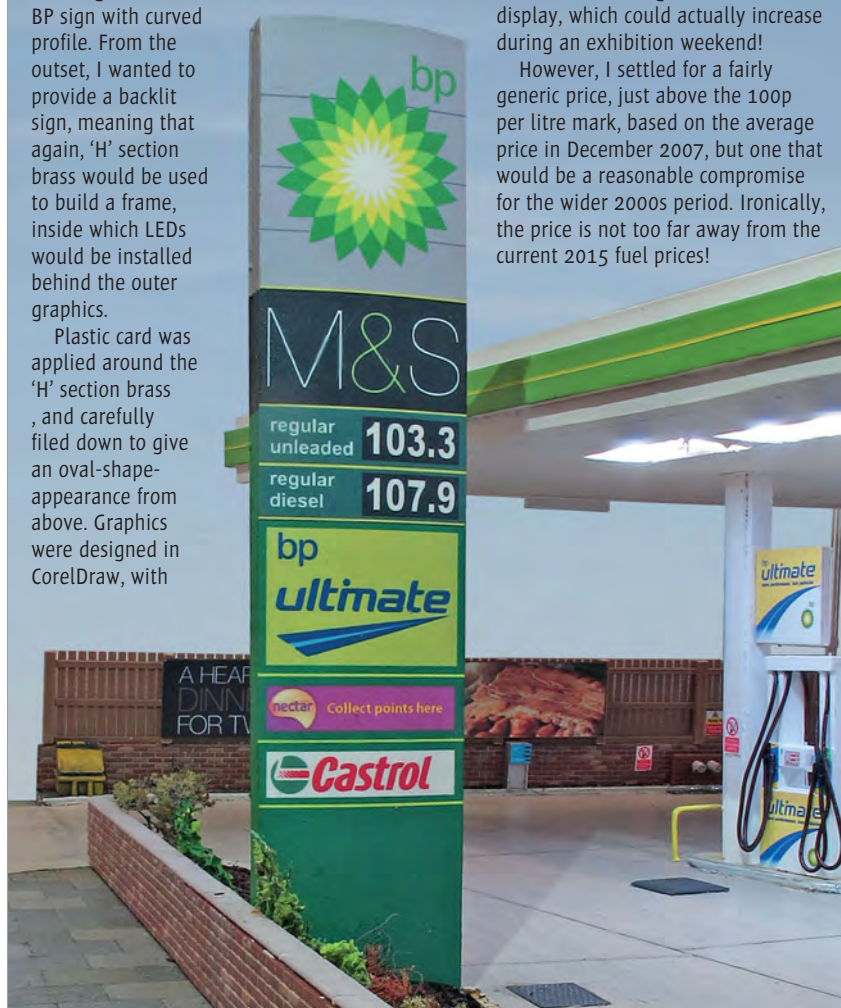
'Loftus Road's' station was to receive a full-height vertical BP sign with curved profile. From the outset, I wanted to provide a backlit sign, meaning that again, 'H' section brass would be used to build a frame, inside which LEDs would be installed behind the outer graphics.

Plastic card was applied around the 'H' section brass, and carefully filed down to give an oval-shape appearance from above. Graphics were designed in CorelDraw, with

logos sourced online, including BP Ultimate, Nectar and Castrol oil branding.

When it comes to price, one naturally has to choose carefully as this helps to define the time period in which your model is set - not so good if you run to a wider timescale of course. Lengthy consideration was given to some kind of changeable electronic display, which could actually increase during an exhibition weekend!

However, I settled for a fairly generic price, just above the 100p per litre mark, based on the average price in December 2007, but one that would be a reasonable compromise for the wider 2000s period. Ironically, the price is not too far away from the current 2015 fuel prices!



to represent mould and moss. The finishing touch was a lost football; nothing more than a carefully painted polystyrene ball!

CANOPY

A must-have feature for the modern day filling station, I was keen to install LED lighting within the structure which meant opting for a metal framework design, clad in mounting card and styrene sheeting.

Brass 'H' section was utilised for the design, the horizontal sections being soldered together flat on the workbench before the addition of the four brass leg supports. Mounting card was added to the lower part of the canopy, with holes cut for the light to shine through.

Clear plastic sheeting covered in masking tape helps diffuse the direct light from the LEDs to a more realistic glow rather than pinpoint beams of light down on to the surface below. After installation of the LEDs and wiring, the upper roof was added, using leftover Pikestuff corrugated plastic.

The canopy sides were clad in plastic and painted in appropriate BP white, green and yellow colours, complete with the current 'Sunflower' logo, seen from 2001 onwards.

FORECOURT

It may sound strange, but in the context of a filling station, the forecourt is actually a subject in itself. Look carefully and you will see a number of variations in materials including pattern brickwork, tarmac and concrete section, together with drainage points, manhole covers and interesting weathering opportunities.

Choosing cast concrete sections, I laid a flat base of mounting card and laid the raised areas for the pavements, then set about scoring the card to show the sections of cast concrete. This was painted in a yellow-grey colour, and later weathered with darker shades of grey, using a paint-on/wipe-off method to gather the darker colour in the scored concrete joints.

Features such as drains and manhole covers were added from the Langley Models etched range, whilst the tank covers were fabricated from plastic card with edges shaved to recreate their distinctive shape. The raised petrol pump bases were treated to scoring and painting for the ceramic tiling, while being edged in silver to represent stainless steel.

Flowerbeds with bark chippings were added along the perimeters of the site, as seen on many fuel stations, featuring small shrubs fashioned from the Woodland Scenics range.



By night, the forecourt is illuminated by white LEDs fitted in the canopy, creating an ultra-realistic scene.

KEY DETAILS



Industrial waste bins at the rear of the shop are repainted Bachmann Scenecraft models.



M&S signage and the cash machines created in CorelDraw, plus bollards to deter ram-raiders!



Air and water machine in a corner of the forecourt and the inevitable Health & Safety notices!



Free newspapers and CCTV cameras are an essential part of any 21st century urban scene.



CorelDraw was again used to create the newspapers on sale outside the shop.

SETTING THE SCENE

Ratio modern wooden fencing was mounted on top of scratchbuilt brick walling, suitably weathered and covered in BP and M&S advertising banners, again with graphics sourced online. Numerous individual details make up the rest of the forecourt scene:

Cars & Customers: For accuracy, each vehicle is modelled on a London-based example, using the AutoTrader app to obtain registration and spec details to model a specific vehicle that may have been in the 'Loftus Road' area at the time. Customers are from the Preiser range, including a woman who arrived in the perfect position for filling up her vehicle!

Charcoal & Newspaper Display: Constructed from styrene strip, the charcoal containers featured sacks shaped from Blu-Tak, painted in appropriate colours. The newspaper stand has miniature, fully-legible recreations of each newspaper, you can even catch up on the latest X Factor gossip in The Sun!

Metro Newspaper Stand: Created from three small sections of 3mm styrene strip, with newspaper graphics attached, this is another nod to the location.

CCTV: Heavily featured across the petrol station site to monitor pump usage and minimise theft, these are created from tiny pieces of square plastic strip, cut at an angle and mounted onto brass wire brackets.

Petrol tank filler & high level tank ventilation: An essential feature to each station is the location of the fuel tank filler. These require careful placement as regulations dictate that tankers must be able to drive out front-forwards in case of emergency. Placed at the side, the filler pipes are small circular pieces

of styrene with removable caps and spillage drains modelled. Tall tank ventilation pipes stand nearby, constructed from brass handrail wire.

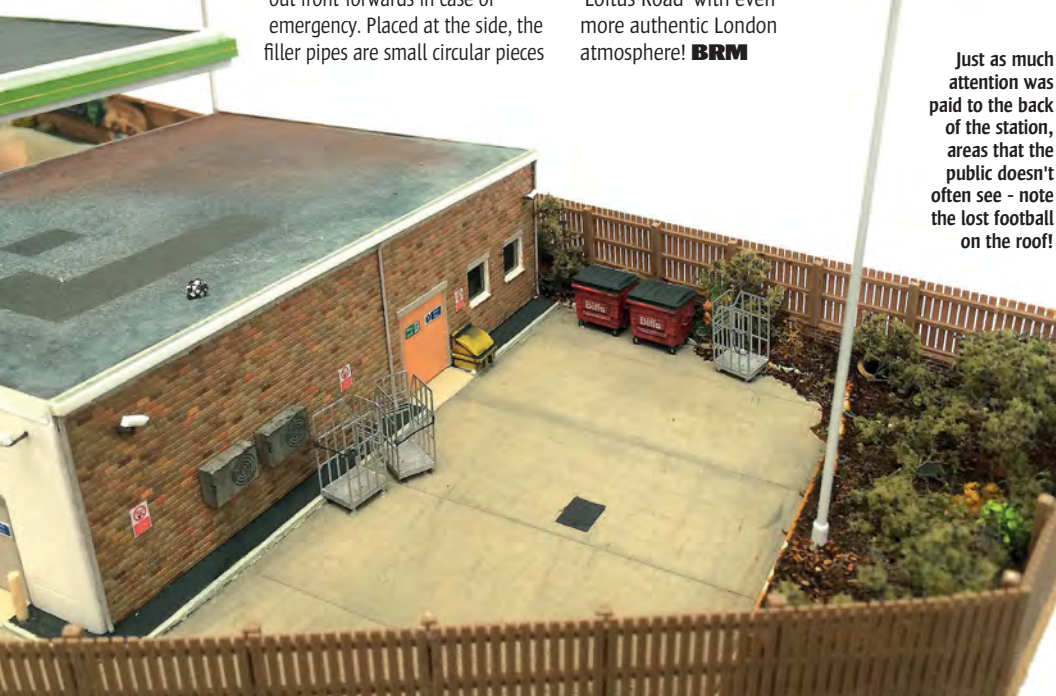
Air & Water: A small chrome box stands on the left hand side of the forecourt, in a layby area set aside for cars to park up away from the fuel pumps. The model is a piece of 'U'-shaped styrene, with blue frontage branding created in CorelDraw.

Filling Station Rear: A loading bay is modelled next to the shop, together with a small staff car park to the rear. This features large bins, repainted Bachmann examples with custom Biffa branding, and discarded roll cages complete with the addition of fabric straps.

Roadway: The road passing the station is a key London 'Red Route', together with a bus lane and cycle lane. The road surface texture was created using medium-grade sandpaper, filed down to represent traffic wear. Line painting was completed by hand, together with a Bus Stop and Bus Lane lettering. The cycle lane features symbols hand-painted with fine brushes. Pavements were scribed into mounting card and painted in varying greys before weathering.

It was a time-consuming project but ultimately highly rewarding; despite being such a common scene in modern life, it is rarely modelled and provides Worthing MRC's 'Loftus Road' with even more authentic London atmosphere! **BRM**

Just as much attention was paid to the back of the station, areas that the public doesn't often see - note the lost football on the roof!



TURNER'S FOLLY

A real crowd pleaser at model railway shows, this unusual layout encourages visitors of all ages to 'have a go', as *Richard Turner* explains.



00
GAUGE



Bachmann 'A4' No. 60021 *Wild Swan* drifts through the country section with an express. The layout is operated using Lenz DCC with automatic signalling and braking control.

FACT FILE

- **Layout Name:** 'Turner's Folly'.
- **Scale/Gauge:** 4mm : 1ft scale, 16.5mm gauge '00'
- **Size:** 20' x 12'
- **Era/Region:** Flexible
- **Location:** No specific location
- **Layout Type:** Continuous loops with Fiddle yard inside the operating area.
- **Power/Control:** Lenz DCC with automatic signalling and automatic braking (ABC).
- **Photography:** Andy York





The layout doesn't operate to a fixed location or period, but the constant action and unusual four-sided scenic arrangement draws crowds at exhibitions. Visitors are also encouraged to try running trains.

I returned to railway modelling in 2008 following a visit to Bletchley Park where I stumbled across a model Railway museum/club (Milton Keynes MRS). It was a fascinating museum with many of the toys of my childhood. I must have shown a great deal of interest in the toys and trains because the curator asked if I would like to see the club's new layout, whereupon I was shown into the new layout room where a Class 66 was running with sound and lights.

I was hooked. We discussed trains for a couple of hours and I was given an introduction to Digital Command Control (DCC). It seemed to me that this new control system was the answer to all my childhood dreams. Immediately upon my return home I bought a model railway magazine and sent away for an Eddie Stobart Class 66 with a sound decoder.

My local model railway club did not have any DCC users at that time but shortly after joining, Derek Coe and his wife Pat also joined. They were keen to

establish a DCC layout and so the concept was born.

'Turner's Folly' was conceived in January 2009 as a 'OO' exhibition layout running DCC, the aim being to encourage people to begin to understand and become interested in DCC. There would be no era or region, we just wanted to run trains and show audiences what could be achieved. We had a deadline to meet, that of our Club's exhibition in November later that year.

BASICS

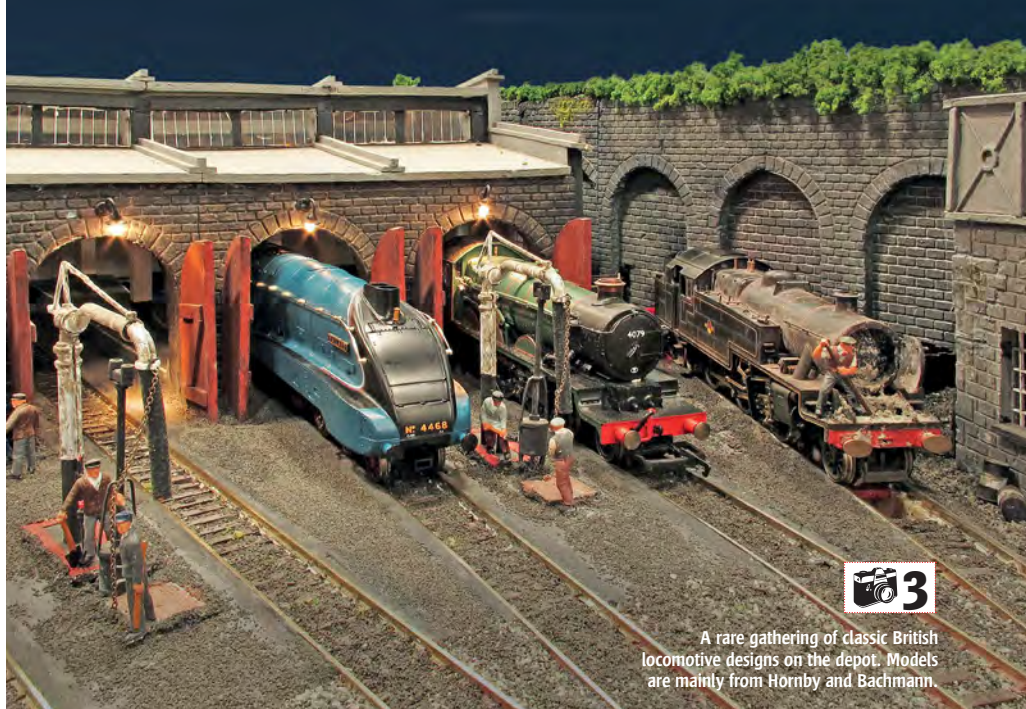
The layout would be 12' x 8' made up of standard 4' x 2' modules using 6mm plywood and 75mm bearers. The plan was for two main lines running around a continuous loop. A four-road marshalling yard running the length on one side with a large four road main line station to the other side and a tunnel at one end with countryside section at the end. With only three members in the beginning we felt that there was certainly more than enough to do if we were to meet our deadline.

We had still not settled on a name but as the tunnel and hill was being completed it was suggested that we needed a castle to place atop the hill. Derek and Pat, who built the tunnel (and most of the layout), happened to live in Hadleigh, Essex where there is a derelict castle, hence their suggestion. It so happened that I had been given a Hornby Skaledale model of a folly for Christmas. Eureka! We had our name, 'Turner's Folly'.

It was agreed at the outset that we would use Peco Code 100 and medium radius turnouts, all of which would be purchased new from local hobby shops. We also agreed that we would not purchase any secondhand materials from swapmeets, other club members or eBay. After all, we were building an exhibition layout and had enough to concern ourselves with, without having to find and fix faults that can often occur with secondhand track.

Work progressed apace through the summer months and a new member, Dave, joined us. Dave's

We just want to run trains and show audiences what can be achieved with Digital Command Control.



A rare gathering of classic British locomotive designs on the depot. Models are mainly from Hornby and Bachmann.

hobby is painting, and he enthusiastically set about developing scenics around the empty areas of the layout.

PRACTICALITIES

To ensure electrical continuity a DCC circuit bus and a 12V DC circuit bus were installed under the boards, with droppers attached to each piece of track for the DCC control and the 12V system for the turnouts and signalling. By using droppers attached to the bus at the ends of each module we do not rely on the rail joiners to maintain the current flow.

Here we found that to use DCC accessory decoders for the points would have been, and remains, a very expensive exercise. Originally, with 22 points the cost of the DCC accessory decoders, even where they can control up to four turnouts each, was prohibitive.

The deadline was met and we had a very good show on the first outing, we received a few requests to attend other shows and so the journey began and continues.

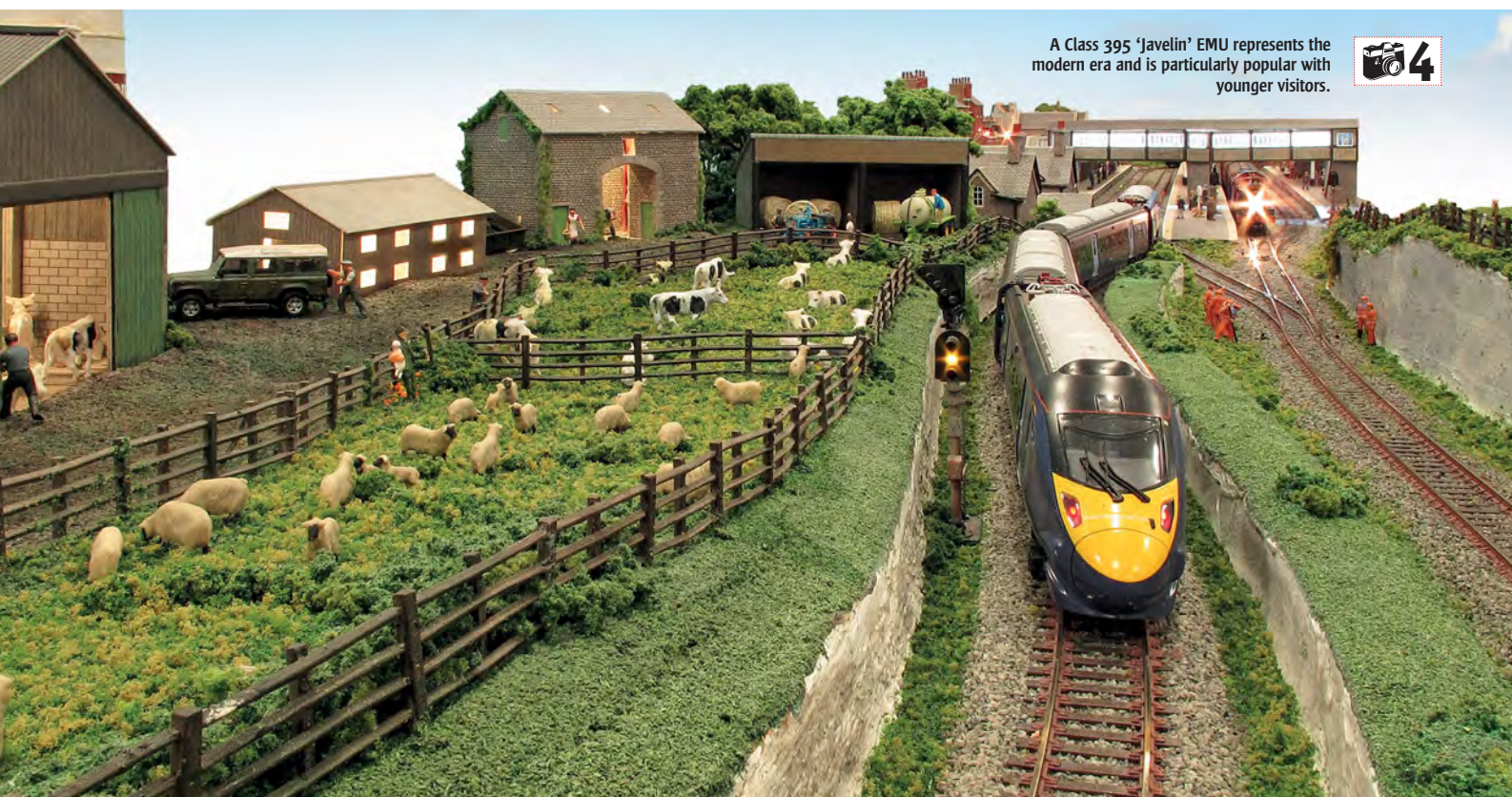
Over the years, our numbers have grown to seven friends: Ken; Darren; Denis; Mike and Terry being the extra enthusiasts. As we have continued to enlarge the layout it has been necessary to upgrade all turnouts to

Electrofrog turnouts to improve running. The points are all powered by an upgraded 24V DC circuit, operated by manual switching. Lighting in houses, street lights and buildings is powered by 12V DC. To prevent any short circuits in the fiddlyard affecting the rest of the layout, circuit breakers have been installed.

TAKING DCC FURTHER

During the past few years there have been many technical developments with DCC and in particular we have recently completed installing automatic signalling. We have also completed installing an Automatic Braking Control system (ABC). This allows trains to brake automatically when the signal in front changes to red. As soon as the line in front is cleared the signal changes to yellow then green, and the train moves off automatically. With the signalling system and braking in place, operating the layout can be quite exciting, trying to avoid SPAD (Signal Passed at Danger) incidents. Here the public can help and they are always very keen to advise!

The braking system only works with certain locomotives that have the latest DCC decoders installed and which support the ABC system. Unfortunately



A Class 395 'Javelin' EMU represents the modern era and is particularly popular with younger visitors.



Crossing a deep gorge, the spectacular girder bridge was built from laser-cut components (see above right).

KEY DETAILS

THE BRIDGE

Each member has their own favourite sections but my special area is the bridge. I offered to make it, but it is four feet long. After some research, an article appeared in one of the model railway magazines covering how a modeller had made some bridges for well-known celebrities. This was such a coincidence and the article spurred me on. Luckily, a friend is a freelance 3-D CAD specialist who willingly agreed to design the bridge for me, based on my research. The bridge is actually based on the famous one over the Rhine at Remagen in Germany. Having approved the drawing I then contacted a laser-cutting firm involved in the railway model hobby. The CAD artwork was sent directly to the laser-cutting machine and, lo and behold, the two sides appeared on my doorstep two weeks later. It was then simply a case of gluing it together, painting and weathering. I have used a great deal of modellers licence with it though! The bridge spans a deep gorge made by Darren, one of our scenic modellers. It includes steep rocky cliffs with mountain climbers ascending the rock face, and a disused railway line disappearing into a tunnel.



6

Many of the structures, such as this gantry signalbox, have been built from scratch.

this has incurred extra expense in replacing earlier decoders. However as we are all DCC fans this is a progressive change, as and when we can afford them.

One improvement that has been undertaken is the fitting of Kadee couplers. This has greatly improved the running of the trains, and is so much easier to dismantle trains once they are in the fiddleyard. This was a very important change because at the start we had a variety of different couplings and so we had to agree on a standard. We have found the Kadee couplings easy to retro-fit to older stock and as all new models have the NEM box as standard, it is easier than ever.

I cannot stress highly enough the value of using the best materials when starting out on building a layout. We found timber and plywood from the popular DIY stores was warped and twisted. It seems very difficult to obtain good timber nowadays. However, we recently found a timber merchant selling birch-faced plywood. The price compares favourably with DIY superstores and it is flat, straight and rigid. What more can we

ask for? It is something we are currently using for the new boards and backscenes, and the difference is remarkable.

STRUCTURES

Another point of interest for one of our modellers, Denis, was the scratchbuilding of the roundhouse. This model was subsequently admired by a visitor who asked if we could make him a roundhouse for his layout. Denis agreed, plans were sent through for an eight-track roundhouse and the model was made.

All scenic models are a mixture of scratchbuilt, plastic and card kits, suitably weathered to blend in, making various cameo scenes.

The 'Folly' as a whole is a favourite for all the members but one area of the layout that deserves special mention is the braking and the signalling systems. These were the brainchild of our electronics engineer Mike, with active assistance from Ken, the electrician, and other members. For me anything

involving electronics/electrics is a black art and all credit to Mike and the team for getting it up and running in time for every exhibition.

OPERATIONS

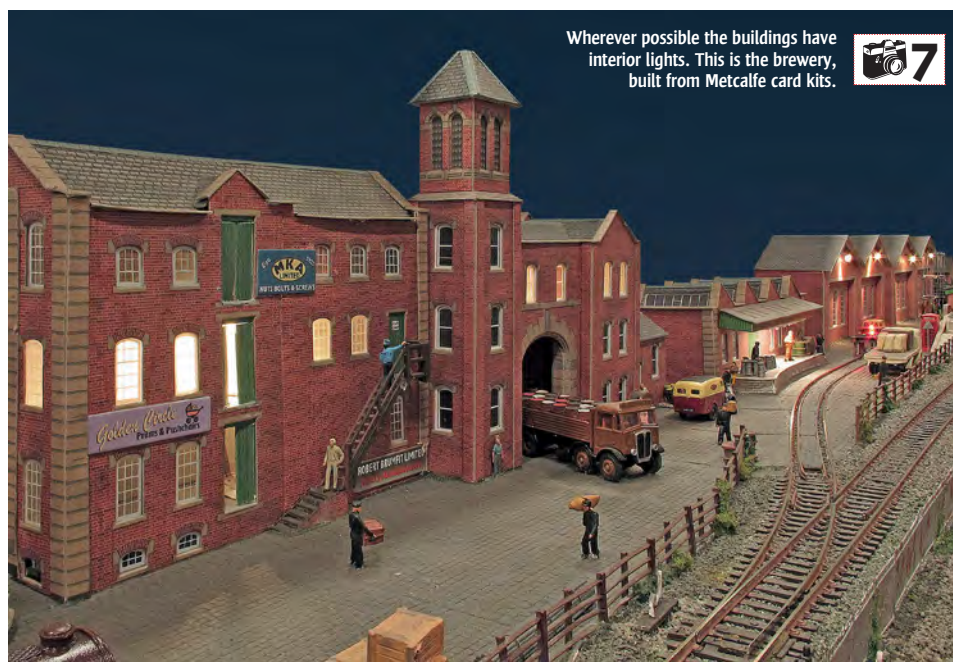
DCC train control is easy to build and operate. We use a Gaugemaster Prodigy Advance 2 controller with up to four cabs. At shows we often demonstrate train control using smartphones and/or tablets. The public, especially the youngsters, are very interested in this aspect and we are available to explain exactly how this is achieved. Depending on the interest and enthusiasm being shown by a visitor we often allow them to have a go at controlling trains with the tablets.

There are no set patterns in our operation but we tend to start the day either with steam or modern era. As the day progresses a viewer may ask to see a particular train run, and we are happy to oblige.

Generally there are at least two operators but often Terry, our newest member, will appear and take over workings in the marshalling yard. Terry says, "I love it and I could run trains all day!"

Having seen the 'Folly' at a local show he expressed a great deal of interest in DCC and the layout. He joined us with no previous experience of model railways but was keen to learn. He started by making the tea and watching. Very soon he was keen to get more involved and set about painting rust over the track on the entire layout. Nowadays he is busy developing the scenics, but he still finds time to make the tea.

Visitors to shows always tell us how much they enjoy seeing trains running all the time and how much they enjoy the interaction with our members who are always very willing to answer any questions. It is a pleasure for us to see the delight on children's faces as we run 'Thomas the Tank Engine'. The beauty of having no specific era, region or location is that we can run what the visitors want to see. **BRM**



Wherever possible the buildings have interior lights. This is the brewery, built from Metcalfe card kits.

7

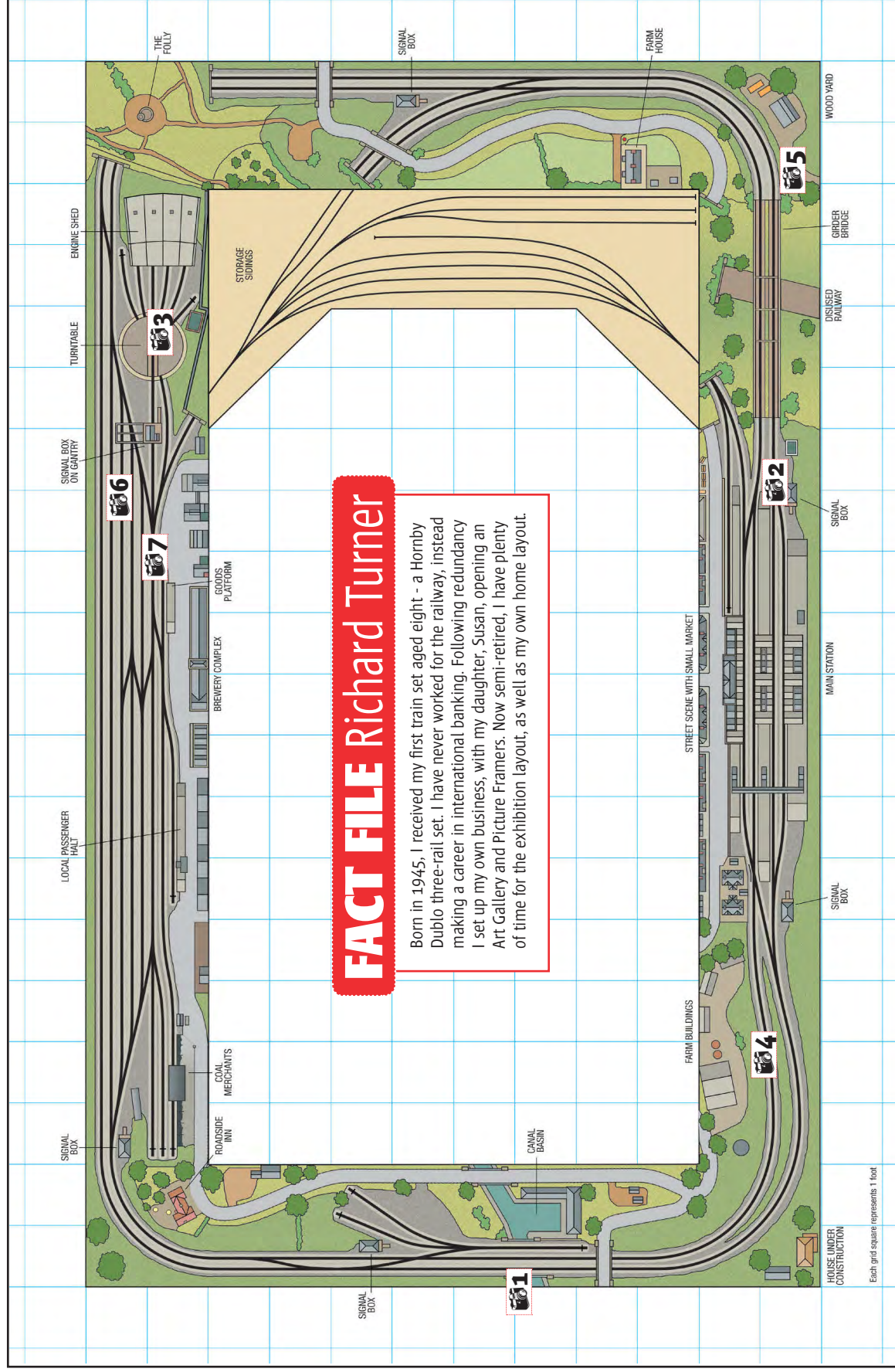
'Turner's Folly' will be on display at the Warley National Model Railway Exhibition over the weekend of the 28th and 29th November 2015.



00
GAUGE

LAYOUT FOCUS TURNER'S FOLLY

Sanfordson



BAHCO

Triple Pack
22" ONLY
£21.56
Code: 44603



Heavy Duty
50m ONLY
£3.78
Code: 29812



ONLY
£7.18
Code: 12821



Fire Rated
GU10 ONLY
£5.68
Code: 24968



ONLY
£1.74
Code: 17663

Big Range Low Price

TOOLSTATION

A lot more than tools

Don't be confused by the name...the Toolstation catalogue contains a huge range of over 11,000 stock products for the trade and for home improvers. Call now, order online or visit your nearest branch for all these products and more - including top quality brands at low prices!

Free delivery to home or site
on all orders over £10



10 Brushes
ONLY
£5.40
Code: 84863

STANLEY

18V 4.0Ah
ONLY
£159.95
Code: 51129

Makita
LXT
LITHIUM-ION

Palm Gloves
ONLY
£1.28
Code: 51069

**Speedfit**

10 Pack
ONLY
£10.60
Code: 78914

Cutter Screw
200 PACK ONLY
£2.52
Code: 28284

**REISSER**

ONLY
£29.80
Code: 15655



5L ONLY
£18.96
Code: 96819



ONLY
£2.38
Code: 79630

Prices valid until at least 18th May 2015
All prices include VAT

WIN 1 of 5

greenworks
TOOLS

Li-ion Cordless Garden Power Kits
worth over £400 each

To enter visit:

win.toolstation.com/brm

Closing date 18th May 2015
terms & conditions apply

Scan to enter:



Interchangeable Battery
System: 1 Li-ion 40V G-MAX
battery fits all 4 tools



New Catalogue OUT NOW!

Call Free:

0808 100 7211

Mobile friendly: 0330 333 3303

Drop In:

185+ Branches

Find your nearest @ toolstation.com

Online:

toolstation.com

24hrs a day, 7 days a week

THE WHITE STRIPES

LOOKING BACK AT EASTFIELD CLASS 37s

Ray Kitching shares the tale of how BR blue wasn't always worn in corporate fashion. *Photography by the author.*



On March 4, 1982, five months after naming, 37026 stands at Oban. The locomotive has red bufferbeams and a stencilled version of the West Highland Terrier. It was one the '37s' that did not receive a white stripe.

Thirty years ago as British Rail strived to maintain a corporate blue image, Allan Baker, then Assistant Mechanical Engineer (AME) West, caused quite a stir when he began painting white stripes on Eastfield Class 37s, the first deviations from the standard livery. The stripes varied in application and accompanying these select locomotives were two others with full yellow noses, 37111/112. A very short-lived embellishment on 37196 was a wide red stripe. The stripes were applied from around June/July 1983, but ended less than a year later in May/June 1984, when BR HQ clamped down and the stripes disappeared.

Right A prototype for the revised livery idea, 37112 is seen outside Eastfield on March 5 1982. In addition to this locomotive, 37111 was also painted in this livery, both around July/August 1981. The buffer beam area is red with a black cab front, side window surrounds and bonnet top access doors. It lasted like this until February, 1983, when it was seen in the North East with the standard yellow nose. The all-yellow nose remained on 37112 in August 1983, but by February, 1984, the extended yellow had gone and a 3" white stripe was applied. The first '37' to be painted in the official revised livery at a works overhaul was 37025 in December 1983.

The Class 37s began infiltrating the West Highland Line in greater numbers in 1981. Four were named at Glasgow Queen Street Station on October 6 1981, and a fifth at Fort William Station on March 31 1982.

Under the nameplate a white West Highland Terrier was stencilled - an idea put forward by Ally Weston and drawn by Jim Clements. The 'wee dog' was to become strongly associated with Eastfield depot and The West Highland Line, eventually ending up as a grey-shaded vinyl.

As the revised BR livery was applied to the '37s' in 1984, the Terrier grew in size and was placed below one of the mid-bodyside grilles next to the access door. Quite a few '37/0s' were painted in the revised livery, 37081 undergoing the first Eastfield depot repaint around August 1984. After an overhaul, 37264 came back from Crewe Works in this style in March/April 1984.

The following portraits of Eastfield Class 37s show the livery differences in an attempt to distinguish each locomotive. **BRM**





Possibly the oddest and most short-lived Eastfield embellishment was that applied to 37196. With a freshly painted yellow nose and a red stripe along the bodyside, it is seen at Thornaby Depot on February 27 1983. The foreman at Thornaby had kindly moved it for me to photograph. When asked, "Why the red stripe?" he replied that he thought this was an indication of a strong anti-freeze mixture relating to its allocation to Scotland. Five days later it was seen again at its home depot, on enquiring, an engineer revealed that it was a livery experiment, but had aroused much curiosity accompanied by complaints from other depots thinking it was a warning sign, rather than a paint job.



Complete with headlight, 37014 is seen at Eastfield on July 29 1983. Quite a few '37/0s' had the triangular centre section of the snowploughs missing as shown here. Note the much narrower line on the bodyside, which was probably the first to be done.



A line about 1½" wide is seen on 37039 at its home depot on July 29 1983. When compared to 37014 (left), the difference in thickness is noticeable - the line being more of a pin stripe. Note the difference in headlight positions and round buffers.



37012 *Loch Rannoch* at Gateshead on August 7 1983 after failing the previous day with a speedo fault. Livery is standard for a named '37', with red bufferbeams, a 3" white stripe and Terrier emblem under the nameplate.



Out of its area at Wardley Exchange Sidings (Tyne & Wear) on July 7 1983 is 37017, working mineral trains (9J71) from South Dock, Sunderland. It has a high position headlight and nose radio telephone aerial from its previous service at Inverness. It went back and forth from Eastfield to Inverness a couple of times and is seen here in the scheme generally adopted for Eastfield '37s' - the stripe being about 3" wide. Note the lack of a Terrier vinyl, not yet applied.

**TURN OVER TO
SEE RAY'S MODEL** ➡



WEST HIGH

An ardent fan of the West Highland 'Tractors', **Ray Kitching** shows how he converted a Bachmann model into one of Eastfield's unofficially embellished machines.

The West Highland Line, built by the North British Railway, opened for traffic in August 1894. Being a researcher of all things North British, my first visit to the area occurred in 1980 just as the Class 37s were beginning their infiltration. I was quite intrigued by them and became an ardent fan for a number of years.

The early-1980s saw the use of Class 27s dwindling on the line and in all my trips to the area I only saw four working, the rest of the trains being hauled by '37s'. In the period of nearly ten years that I visited the line, I noted 37039 on most occasions, either working trains or on Eastfield depot until its general overhaul in September 1985 when it was refurbished as 37504 and re-allocated to Thornaby. The locomotive was one of a few still retaining the buffer shrouding until refurbishment.

I thought I must produce a model of the locomotive, so 30 years later, work commenced. **BRM**



STEP-BY-STEP GUIDE

EASTFIELD '37/0' CONVERSION

1



A cheap Bachmann Class 37 (37038) was purchased. I intended to get it as close to 37039 as I could but didn't wish to alter the cab front. Work began by filling the appropriate body side foot holds and then sanding them smooth.

2



Headcode boxes were plated over using Extreme Etchings parts. The slight raised beading around the glass area of the box was shaved off with a chisel ended knife blade to allow the etched panels to lie flat. Very thin glazing material was glued behind the aperture and then painted light grey at the back, giving the marker-light look.

3



The speedo was made from scratch, working from three close-up photographs. The unit attached to the axle box is filed from a whitmetal 7mm steam locomotive backhead part, the junction piece is fashioned from a 7mm scale gas lamp top and glued into a hole drilled through the top frame.

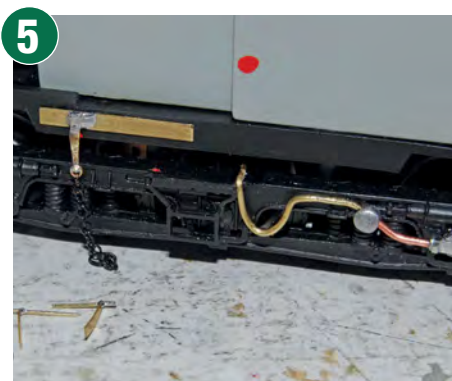
LAND CLASS 37



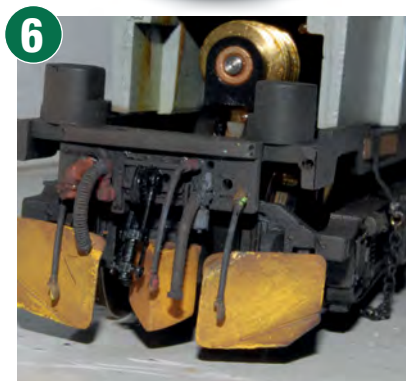
The Bachmann '37' has worked extremely well and produced a decent representation of the locomotive I saw many times 30 years ago.



The separate three-piece Bachmann snowploughs aren't quite right and the newer, three-piece plug-in ones are a little too big. I decided to use the old 'ploughs, cut up to act as brackets, then added etched brass faces. The plastic centre plough, which is too tall, was filed shorter.



A strip of brass was glued to the frame under the cab - you'll need to scruff up the black plastic and the back of the brass strip to get some traction when applying superglue. The etched handbrake levers are handed, so make sure you get them the correct way around and nearer the back of the slot on the body.



The front pipework came from various sources - air pipes from a Hornby Class 50 and vacuum pipes from Heljan. The multiple working cables are Bachmann, drilled out to accept fine black wire that can flex when the bogie-mounted snowploughs touch them. Other pipework was adjusted to miss the snowploughs.

PRACTICAL BRM



HOW TO FIT...

AN EXTREME ETCHINGS FAN

STEP-BY-STEP GUIDE



1

This modification was left until last. The existing fan assembly was removed, the edges cleaned up and the mesh rolled around a craft knife handle to achieve the right curve. When satisfied, I attached the mesh to the roof with pieces of Tamiya masking tape (or use Blu-Tak, gently catching the edge of the mesh). A little superglue was applied with a slender craft knife blade under the edge at a top point and I waited until it set. The same was done on the opposite side. Gradually, I worked my way around the circle, pressing the glued area down with another craft knife or blunted cocktail stick.



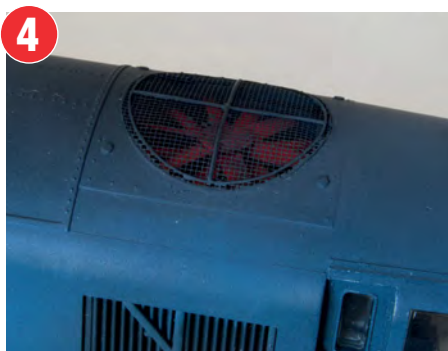
2

When the above was in place, I carefully lined up the brass frame over the mesh and placed the tiniest drop of superglue under one edge. Be very careful not to put too much pressure on the mesh or you'll push it through the hole. Once glued, I fixed the other edge then worked my way around. It's time consuming but worth it.



3

The ends of the fan blades were filed a little so that they dropped into the Bachmann housing. The two six-bladed units were twisted and assembled to form a 12 blade fan. I made a shaft from brass rod and soldered the top circular cap to the end. This assembly was then dropped into the housing and the shaft superglued at the base. There's a huge difference between the Extreme Etchings fan (*in situ*) and the Bachmann original (right).



4

Finally, a word of warning. As awkward as it is to put the mesh and cross piece in place it is equally easy to push your finger through the roof mesh when handling of the locomotive body. For this reason the fitting was left until last. The mesh assembly has less strength than a crisp.

1 The yellow nose was sprayed with a gentle covering of warning panel yellow and then faded yellow in patches, before the first coat was dry. Marker lights and tail lights were masked out with Blu-Tak.



4



The bogie areas were sprayed with Railmatch frame dirt then with dirty black. This was left to dry for two days. Washes of diluted plain black were then allowed to run into corners, while some of the axleboxes were daubed with half diluted black. The footsteps were very faintly dry brushed with a medium grey to simulate scuffing.

PROTOTYPE INSPIRATION



The locomotive in question: 37039 leaves Tyndrum on April 24, 1984. BRIAN IVES

FINISHED MODEL

An attempt was made during the 1980s to model this locomotive using a Hornby '37' but results were unsatisfactory and the project was abandoned at an early stage. However, the Bachmann '37' has worked extremely well and produced a decent representation of the locomotive I saw many times 30 years ago. Time well spent.

PAINING AND WEATHERING

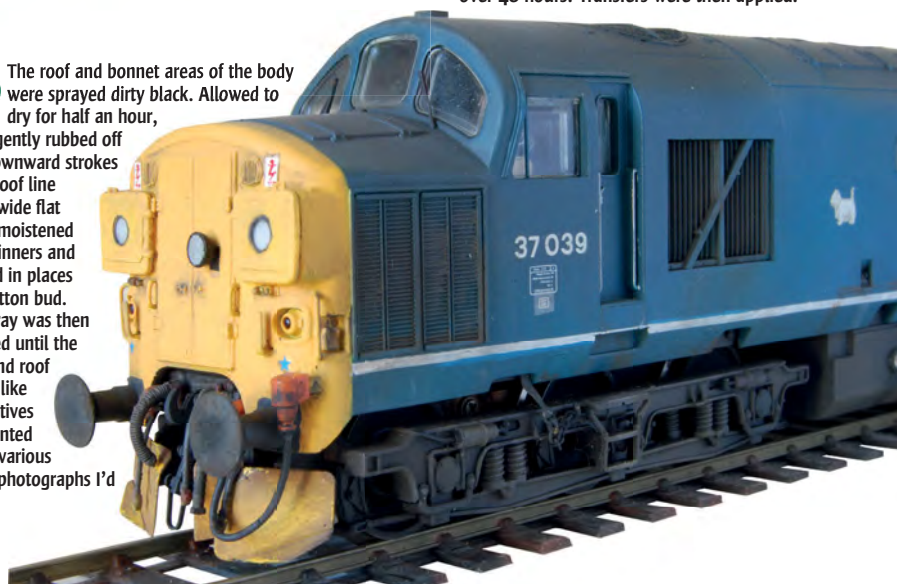
I have to emphasise here that there are plenty of books and articles on weathering and everybody has their own methods or ideas. I worked from three photographs of 37039 and two of 37014 and used enamel paints throughout. I kept the Bachmann representation of BR Blue and painted the new brass areas with RailMatch etching primer first which was done by spraying some into the spray can plastic cap and then brush painting it onto the bare areas. It works and goes on very smoothly.



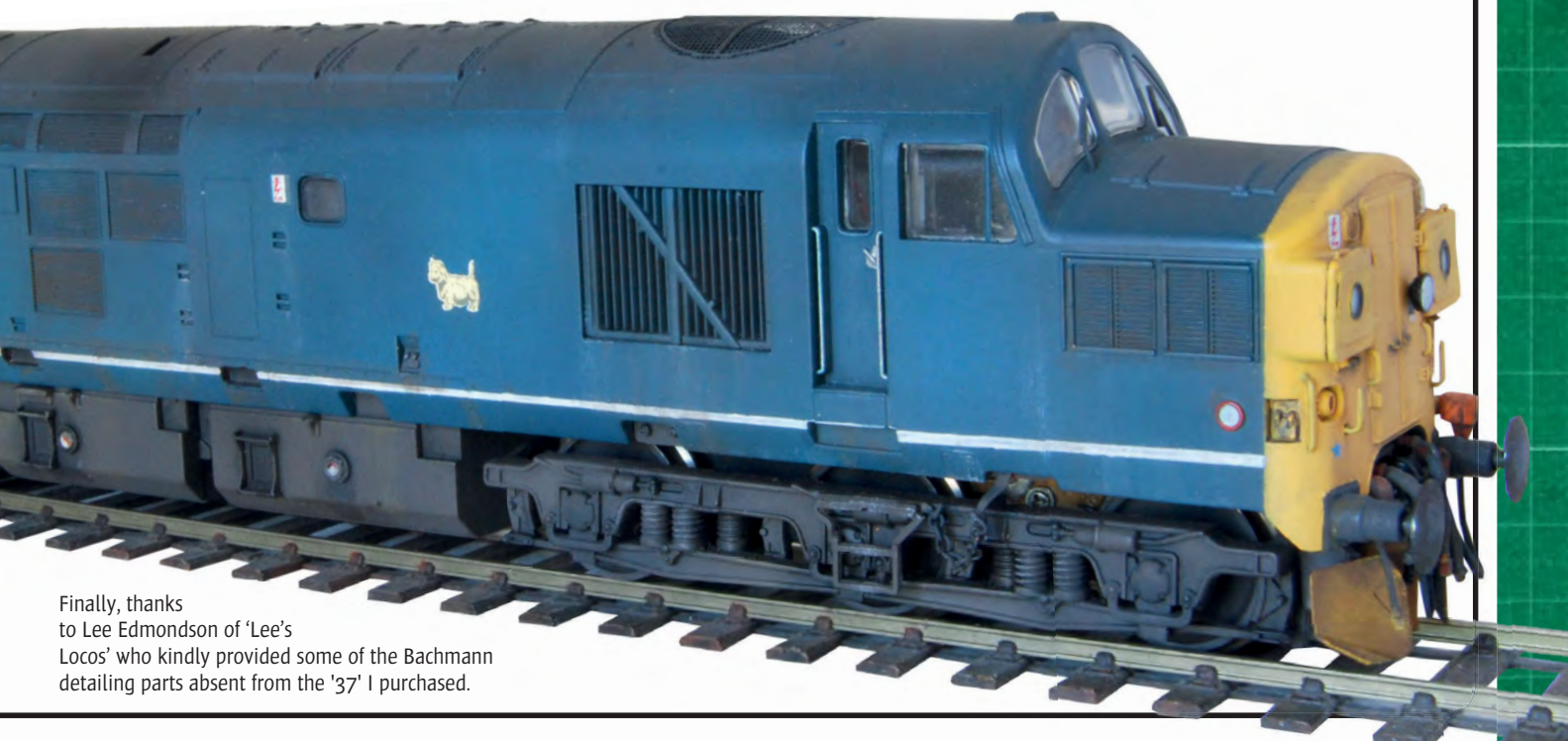
The blue body received irregular patches of Phoenix BR blue, which differs from Bachmann's blue, and then patches of home-fashioned faded blue, left to dry for over 48 hours. Transfers were then applied.

The Eastfield white line was drawn with a bow pen, using two lines to width, then filling the centre in with a small brush. The line would have been much sharper if the blue had been gloss, but here that wasn't appropriate. Any discrepancies were scraped with a scalpel blade or touched up later with either blue or white.

5 The roof and bonnet areas of the body were sprayed dirty black. Allowed to dry for half an hour, it was gently rubbed off with downward strokes at the roof line with a wide flat brush, moistened with thinners and assisted in places by a cotton bud. The spray was then repeated until the body and roof looked like locomotives represented on the various period photographs I'd taken.



6 After drying for 24 hours, a weak mixture of frame dirt was washed into the various grille areas and surrounding framework with a small amount of a weak grey in some places. A light grey was dry brushed over the base of the body around the cab sides where the screen wash has streaked and stained the paint.



Finally, thanks to Lee Edmondson of 'Lee's Locos' who kindly provided some of the Bachmann detailing parts absent from the '37' I purchased.



David Spencer uses Parkside Dundas kits of an essential LMS/BR wagon type as the basis for a range of prototypical variations on the theme.

PROTOTYPE INSPIRATION

HYBRID HIGHS

The ubiquitous 'high goods' open wagon is well known by modellers of the BR steam/diesel transition era. Thousands were in regular use across the network, marshalled into local goods and express freight trains alike. They were used to transport crates and packing cases, barrels, oil/chemical drums, cables, timber, bricks, tubes and pipes, steel

products, containers, aggregates, engineers' spoil, and (occasionally) coal. Three different body designs were used: all-planked, all-steel, and a distinctive 'hybrid' type comprising planked sides and corrugated steel ends. A 4mm scale RTR model of the latter has never been produced, but a plastic kit has been available for some years. It was introduced in the mid-1970s in Ian Kirk's 'basic kits' range, and a few years later

Very few LMS/LMR general goods trains would have run without at least one 'High' wagon, as this June 1957 view of Stanier 8F No. 48250 at Shap Wells demonstrates. COLOUR-RAIL



PROTOTYPE INSPIRATION



The second wagon behind 'Black Five' No. 44937 is an example of a 'Hybrid High' fitted with a sheet rail for tarpaulins – in this case raised but without the sheet fitted. This mixture of opens and vans, captured on April 2 1966 at Brisco, near Carlisle, is typical of BR era vacuum-braked general merchandise trains. *COLOUR-RAIL*



became item PC02 in the Parkside catalogue. It was re-launched in 2002 as part of Parkside's 'true scale' range. The all-new PC02a received critical acclaim on account of its accurate dimensions, high quality mouldings, and very impressive level of detailing – both externally and internally.

Around 13,000 'hybrid' open goods wagons were built over an 11-year period commencing in 1946, principally at Derby, Wolverton, and Ashford. They were a development of an experimental lot of 100 vehicles built at Derby in 1933. Most of the 5,000 or so constructed just before and after Nationalisation entered service without vacuum brakes. However, virtually all of these unfitted vehicles were re-built with automatic vacuum brakes in the mid to late-1950s, so by the early 1960s only a handful of hand-braked 'hybrid highs' remained in use.

As steam gradually gave way to diesel traction, vacuum fitted 'hybrid highs' wearing standard early BR bauxite livery became an everyday sight transporting general merchandise. They continued to perform this role until the traffic they were designed for was lost to road transport; some were then regarded as surplus to requirements and scrapped.

By the mid-1970s, many of the surviving vehicles had received the post-1964 'data panel' markings and were branded 'Highfit/Hyfit' or 'Highbar/Hybar', while others were generally coded OHV under TOPS and lettered accordingly. Photographs from the 1970s show the remaining 'hybrid' wagons looking rather run down. Typically, the tarpaulin sheet support bars, guide arcs and fixing brackets had been removed because merchandise that needed protection from the elements was no longer carried in open wagons. Most of those wagons that did not have a revenue-earning role were cascaded into departmental fleets and spent their twilight years carrying sundry equipment and spent ballast. As the 1970s drew to a close further withdrawals took place, and some reports suggest that the 'hybrid highs' had all but disappeared from revenue-earning traffic by the early-1980s and from departmental use a decade later.

IDENTIFICATION

Like most other large wagon fleets constructed over a number of years and in different workshops, the 'hybrid highs' did not all look exactly the same. Some minor side and end differences were apparent, but other variations were more than just matters of detail; especially as far as chassis design is concerned. Indeed, Parkside's instructions briefly mention that wagons with three principal types of running gear can be modelled:

- 1) BR-built vacuum fitted version with four shoe Morton brakegear
- 2) A variant with the LMS design of suspension and eight-shoe clasp vacuum brakes
- 3) Unfitted type with Morton two-shoe brakegear

Parkside's instruction sheet includes a detailed explanation of how to construct the first of these. However, relatively little is said about the other two, so modellers are likely to need more details and guidance in order to produce a good representation. The remainder of this article will provide information about the different 'hybrid highs' that can be modelled using kit PC02a as a starting point, and give advice on how to capture their distinctive qualities through 'cross kitting' and/or kit-bashing and the addition of various details. Suggestions about painting, weathering, and applying appropriate running numbers are also made.

PRELIMINARY CONSIDERATIONS

There are three issues to consider before starting to build a 'hybrid high'. They have implications for the type and amount of modelling work required, and for the purchase of additional detailing parts.

The first is whether to replace the Parkside buffers; the heads are made of tough ABS plastic and are much more robust than those found in many plastic kits. They can simply be glued into the holes in the buffer guides as per instructions and will perform adequately. However, there are distinct advantages in substituting whitmetal components such as those from MJT or Fourmost.



PRACTICAL BRM



By fitting appropriate alternatives (as listed in the appendix) the three wagon sub-types can be modelled with greater accuracy, as subsequent sections of this article will show. In addition, whitemetal replacements are much stronger than the plastic items provided in the kit. Even though ABS is a resilient material, the plastic buffer guides are not and can split if a wagon is given rough treatment.

To replace the buffers, 1mm pilot holes need to be drilled straight through the guides and the headstocks. All remaining traces of the guides can then be cut and/or filed away, and the pilot hole enlarged to 2mm to accept the new buffer. It's important to ensure that the whitemetal spigots are no more than 1.5mm long, otherwise they will foul the ends of the solebars. The rear of the Fourmost buffer guides may also need cleaning up before they are glued into position.

Secondly, if you intend to show off part (or all) of Parkside's excellent wagon interior detailing, a way of transforming bland bauxite brown plastic into a representation of weathered wood needs to be found. In my experience, subtle blending and streaking of beige, light grey, and mid-brown matt enamel paints will give an acceptable finish, and a little dark grey/brown weathering powder rubbed into the indentations between the planks will highlight the interior features.

Other work-stained 'bare wood' tones and hues can be captured by dry-brushing lighter and darker shades or by the application of weathering powders. Modellers who have a penchant for small details can also paint the interior metal strapping and rivets in rust colours, while gunmetal can depict unpainted steel that has not yet rusted. Best results will be achieved if this work is carried out **before** assembly.

Third, it is important to ensure that any wagon designed to run empty will be heavy enough to stay on the track. One way of adding weight to an empty wagon is to glue 'liquid lead' into the gaps between the chassis members. Another approach (that I have always preferred) is to cut away all the underfloor chassis detail leaving a smooth surface large enough for a strip of roofing lead or metallic ballast weight (of the type found in RTR wagons) to be glued securely into place.

Loss of the chassis members will not prevent the solebar/axleguard units from being cemented in the correct position because the fixing indentations on the back of the headstocks will ensure that the solebars are the correct distance apart. Obviously, with a completely featureless underfloor the bodyside needs to be assembled before fixing the solebars. The brake shoe mouldings have been designed to fit in slots between the chassis ribs, but if these have been removed to make room for a substantial underfloor weight a strengthening rectangle of 50 or 60 thou plastic card needs to be added to these parts to ensure that they can be cemented securely to the plain wagon floor.

HANDBRAKE ONLY WAGONS

By the early-1950s there were around 4,700 'handbrake only' vehicles in service built to the 'hybrid' design. As Table 1 shows, the vast majority were designed and constructed by the LMS in the post-war era. However, some LMS orders were completed by BR in 1948/49 and an order for another 200 was placed by BR in the early-1950s. They would have carried merchandise across the length and breadth of the rail network, so most modellers with BR layouts set in this period can

justify one or two. All were built with Morton two-shoe brakes, 18" buffers, three-link couplings, and (by and large) spoked wheels. Typical tare weights were in the range 6-8t to 6-12t.

In terms of design, there was very little to distinguish the LMS wagons from the BR-built unfitted wagons apart from the buffers, although livery differences were evident (see below). Wagon expert David Larkin's research has revealed that between 1956 and 1959 **all but nine** of the unfitted vehicles ordered by the LMS and **all** examples built as part

of BR lot 2409 were re-built with Morton four-shoe vacuum brakes in accordance with BR's modernisation strategy.

Fastidious modellers are advised to consult David Larkin's work to get details of the running numbers of vehicles that remained in unfitted condition throughout their working lives. Over 400 LMS unfitted vehicles and 30 constructed by BR underwent a more comprehensive rebuild that included the fitting of tarpaulin sheet support bars. Once again, David Larkin's publications provide full numerical information.

Parkside's instructions briefly mention that an unfitted wagon in typical 1950s condition can be built from kit PCo2a by using only one pair of brake shoes with the push rods arranged 'left over right' when seen from a normal viewing position. The brake lever with the Morton clutch should be attached to the same side as the brake shoes. However, to really capture the character of an unfitted wagon, a few other small modifications need to be made:

TABLE 1: UNFITTED 'HYBRID HIGHS'

Diagram/lot	Date	Typical buffers	Running numbers	Total
LMS 2110	1946-47	18" 2-rib	M419575 - M422374	2,800
LMS 2110	1948	18" 2-rib	M422625 - M423124	500
LMS 2150	1949	18" 2-rib	M423425 - M424624	1,200
BR 1/044, 2409	1952	18" 4-rib	B494920 - B495119	200

AUTOMATIC VACUUM BRAKE WAGONS - LMS Eight-shoe

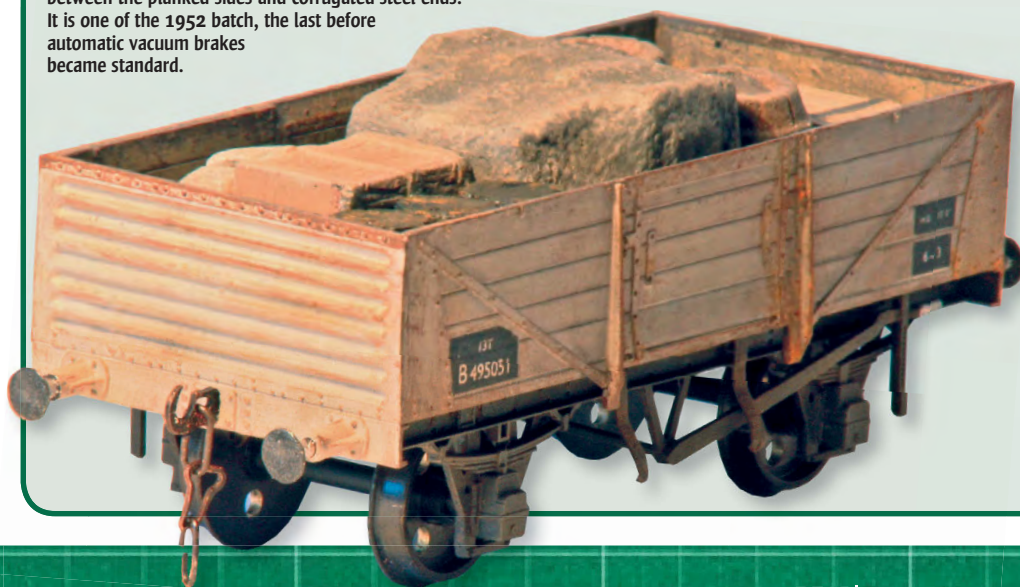
As Table 2 shows, the first batches of vacuum-braked 'hybrid highs' to appear were part of an order for 550 vehicles placed in 1946 but actually constructed after nationalisation.

In the early/mid-1950s, however, just over 4,000 additional 'hybrid' high goods vehicles were built by BR with the same LMS style of vacuum fitted chassis that featured the 'J' hanger suspension, clasp brake shoes, and no tie bar. About two thirds of all wagons listed in Table 2 - including all the 'M' prefixed examples - were initially sent into traffic **without** a tarpaulin support bar, although about 100 'plain ended' vehicles were retrospectively equipped. In order to faithfully represent a 'plain' example it is necessary to remove all traces of the support brackets

and pivot hole as explained previously.

Other differences relate to vacuum pipes, couplings, buffers, end chalk boards, and wheels. Vehicles built to the LMS diagrams generally had the 'standing' type of vacuum pipes (marketed by Fourmost as pack F749) and screw couplings; in contrast BR tended to fit the 'hanging' vacuum pipe (Fourmost F324 or MJT 2951) and Instantan couplings to diagram 1/039 and 1/044 wagons. Four-rib 20.5" sprung buffers were initially fitted to most wagons (see appendix). Chalk boards were not fitted to the ends of the 550 LMS vehicles but have been noted on wagons built later in the 1950s by BR. Vehicles have been photographed with three-hole disc or spoke wheels, so modellers can take their pick.

B495051 is in BR unfitted grey, clearly showing the difference between the planked sides and corrugated steel ends. It is one of the 1952 batch, the last before automatic vacuum brakes became standard.





No. 419872 is an example of an LMS 1946/47-built wagon in weathered 'austerity' condition with unpainted planking and only the metalwork painted black. It is unfitted and has brake shoes on just one side.

The tie bars and vacuum cylinder support brackets on the solebar units should be removed

Unfitted vehicles did not have lamp brackets, so these need to be cut/filed from the wagon ends

In addition, these vehicles were not equipped with chalk boards on the corrugated ends, so this item from the kit should be omitted

The tarpaulin support brackets moulded onto the inside of the wagon ends need to be sanded away if the interior will be visible. The small hole designed to take the pivoting end of the tarpaulin support bar should be filled and sanded smooth.

Parkside advises modellers to paint a handbraked 'hybrid high' body in BR grey, and this livery would be consistent with BR practice in the mid/late-1950s. However, photographic sources indicate that two other liveries would be equally - if not more - appropriate,

although they are rarely depicted by BR era modellers. First, an 'austerity' livery was applied to LMS-built vehicles when outshopped in the mid to late-1940s and this often lasted well into BR days.

Bob Essery's 1981 publication contains some excellent photographs of new 'hybrid highs' in precisely this condition. Headstocks, buffers, solebars and running gear were all painted black; only the bodywork steel and backing patches for the white running numbers received a covering of post-1936 LMS bauxite paint. The wooden sides and interior were left unpainted. The bare wood weathered quickly once it was exposed to the elements, so by the time these wagons entered BR workshops to be rebuilt they appeared to have 'aged' somewhat.

Second, BR-built unfitted vehicles completed in 1952/53 entered traffic in an interim livery. Don

Rowland's book *British Rail Wagons: The First Half Million* (ISBN: 9780 75290 3781) indicates that these 'hybrid highs' originally had everything below the body line painted black, with ends and other metallic surfaces coated in BR light grey. Just like the LMS vehicles, the body planking remained unpainted - apart from black patches onto which the wagon details were stencilled. These vehicles also developed a shabby grey-brown appearance, both internally and externally. Modellers need to use the techniques outlined above to reproduce the distinctive combination of subtle grey-brown colours and textures that characterise bare wood.

Modelmaster transfer sheets 4605 and 4671 contain running numbers and pre-1964 lettering for B495051 and B495111 which were built unfitted in 1952 but retrospectively fitted with vacuum brakes. For LMS vehicles built as 'handbrake only', it is necessary to 'cut and paste' appropriate numbers from Modelmaster LMS transfer sheets such as 4607 and 8038.

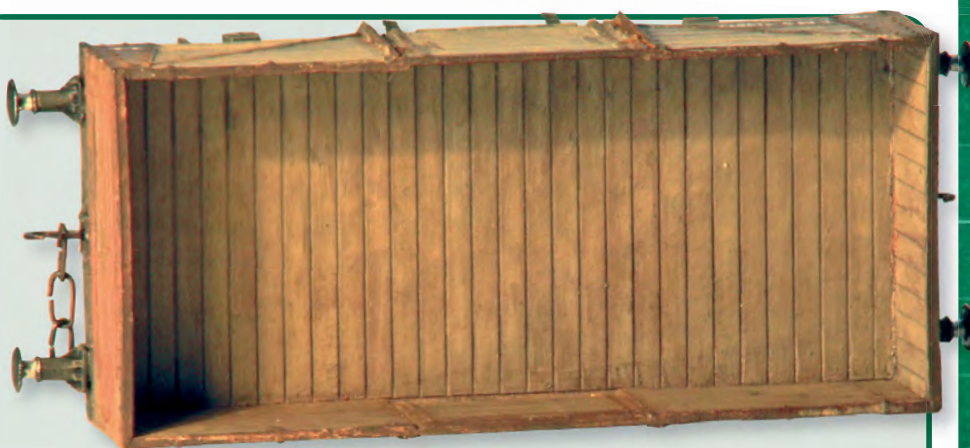
Typical tare weights ranged between 7-4 (for a plain ended example) and 7-16 (for a wagon fitted with the tarpaulin sheeting equipment).

Parts from Parkside underframe kit PA16 need to be used to construct a vehicle with the distinctive LMS suspension and brakes. However, it's advisable to use the floor unit from PC02a because the item supplied with PA16 is fractionally small and lacks planking detail. Before assembly, remove the builder's plates from each solebar to ensure that the left hand door spring will be a flush fit.

Turning to the brakes, select the four pairs of brake shoes from PA16 with the slightly smaller brake blocks. If the chassis detail has not been cut away to make room for a weight, it is necessary to reduce the length of the baseplate on each pair of brake shoes by a few thou. If this isn't done, the chassis cross members will prevent the brake shoes from being cemented directly under the wheels. If the chassis ribbing has been removed, the brake shoes can be glued directly to the smoothed-off floor without modification, and a plastic card shim will ensure that the vacuum cylinder is raised to the correct height in relation to the solebar.

To follow prototype practice, the brake lever from PA16 with the clutch should be cemented to the V-hanger on the solebar adjacent to the vacuum cylinder. However, it would be wrong to fit the cylinder onto the short rib under the floor; it should appear right of centre when the wagon is viewed in its normal upright position. The plain brake lever fits onto the opposite solebar.

Wagons look most authentic if they are finished in a manner that captures the length of time they have been in service without a repaint. For example, by the mid-1950s 'hybrid high' wagons outshopped in austerity livery six or seven years earlier would have been exposed to rain, sun, smoke, brake dust, and general dirt and grime for long enough to look shabby. This appearance can be represented by painting all



For wooden bodied wagons where the planks were left unpainted, careful weathering is essential to capture the work and weather-stained look that quickly took hold.

planking in subtle shades of weathered wood (as outlined above) with metallic exterior body parts finished in faded bauxite. A few hints of rust and a couple of unpainted replacement planks would add plenty of character to such a wagon. At this time, versions of the same wagon built by BR to lots 2179 and 2397 would have just entered traffic with bodywork looking quite smart in overall bauxite, and an example would provide an authentic contrast next to a part-painted, shabby and work-

stained older vehicle.

Numbers and lettering for four M-prefixed wagons are available for the 1948-64 era on Modelmaster sheet 8038, and sheet 4671 contains appropriate numbers for nine BR equivalents with and without tarpaulin bars. For the post-1964 era, sheet 4862 contains numbers and data for two 'Hybar' and 'Hyfit' wagons built with the LMS style of chassis to BR diagrams 1/039 and 1/044 respectively.

TABLE 2: 'HYBRID HIGHS' WITH LMS STYLE CHASSIS

Diagram/lot	Date	Tarpaulin	Running numbers	Total
LMS 2110	1948	No	M422375 - M422624	250
LMS 2150	1948-9	No	M423125 - M423424	300
BR 1/039, 2179	1951-2	Yes	B477650 - B479149	1,500
BR 1/044, 2397	1953-4	No	B493900 - B494769	870
BR 1/044, 2396	1955-6	No	B492700 - B493899	1,200

PRACTICAL BRM



SUPPLIERS

Parkside Dundas, Millie Street, Kirkcaldy, Fife, Scotland, KY1 2NL
T 01592 640896
W www.park-sidedundas.co.uk/

Fourmost Models/ABS
 39 Napier Rd, Hamworthy, Poole, Dorset BH15 4LX **T** 01202 672891

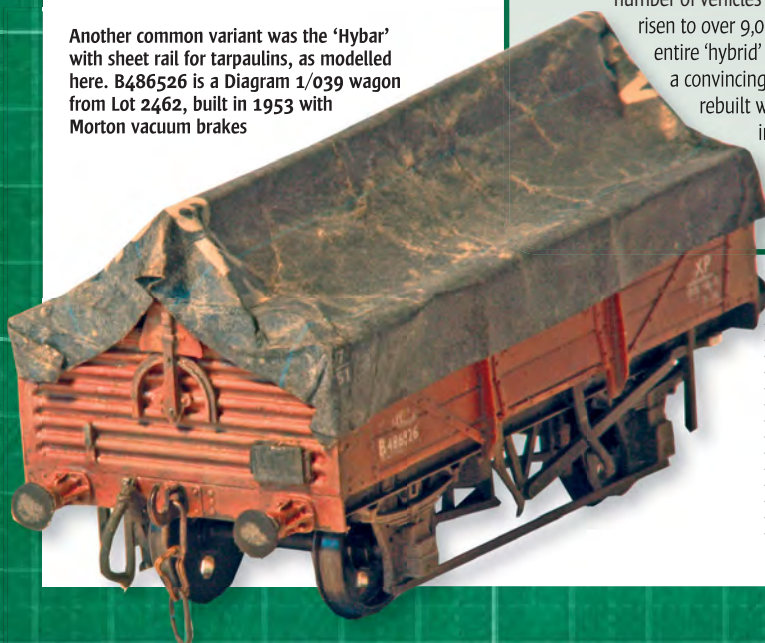
MJT, 17 Hurst Close, Staplehurst, Tonbridge, Kent TN12 0BX.
W www.dartcastings.co.uk
T 01580 892917

Modelmaster 31 Crown Street, Ayr, KA8 8AG
W www.modelmasterdecals.com
T 01292 289770

FURTHER READING

- ▶ **An Illustrated History of LMS Wagons – Volume 1**, R.J. Essery: OPC, 1981
- ▶ **Modern Image Freight 1950s style**, David Larkin: Parts 3 and 4 in **BRM** January 2001 p52-55; May 2001 p56-59
- ▶ **Wagons of the Early British Railways Era: A Pictorial Study of the 1948-54 Period**, David Larkin, Kestrel Railway Books, 2006
- ▶ **Wagons of the Middle British Railways Era: A Pictorial Study of the 1955-61 Period**, David Larkin, Kestrel Railway Books, 2007
- ▶ **British Railways Wagons: The First Half Million**, Don Rowland, Leopard Books, 1996

Another common variant was the 'Hybar' with sheet rail for tarpaulins, as modelled here. B486526 is a Diagram 1/039 wagon from Lot 2462, built in 1953 with Morton vacuum brakes



MORTON FOUR-SHOE VACUUM-FITTED

BR bauxite B494991 is a former unfitted wagon. Virtually the entire unfitted fleet was retrospectively equipped with four-shoe Morton vacuum brakes, so by 1959/60 the total number of vehicles with such brakegear had risen to over 9,000 – around 70% of the entire 'hybrid' fleet.



TABLE 3: 'HYBRID HIGHS' WITH MORTON VACUUM BRAKES

BR diagram/lot	Date	Typical buffers	Tarpaulin	Running Numbers	Total
1/039, 2315	1952	18" 2 rib	yes	B484750 - B485249	500
1/039, 2415	1953	18" 2 rib	yes	B485250 - B485999	750
1/039, 2462	1953	18" 2 or 4 rib	yes	B486000 - B486749	750
1/044, 2484	1954	20.5" 4 rib	no	B497620 - B498019	400
1/039, 2551	1954	20.5" 4 rib	yes	B498020 - B499019	1,000
1/039, 2723	1955	20.5" 4 rib	yes	B491700 - B492199	500
1/039, 2834	1957	20.5" 2 rib	yes	B492200 - B492699	500
1/039, 3026	1957	20.5" 2 rib	yes	B484000 - B484149	150

MORTON FOUR-SHOE VACUUM-FITTED

This particular version can be built from Parkside kit PC02a as the manufacturer intended, with or without tarpaulin bar, although a change of buffers and some additional detailing may be preferable. Photographs indicate that four subtly different types of sprung buffer were fitted when first built, although the shorter types may have been replaced later to ensure that they met the 20.5" minimum length requirement for stock used in fast fitted freights.

All replacement buffer types are available from Fourmost (see appendix). All of the 4,550 wagons listed in Table 4 were built with Instantan couplings, the 'hanging' type of vacuum pipe, and either three-hole disc or spoke wheels. More than 90% were equipped with a tarpaulin sheet bar. These details can be added to the Parkside kit as required to illustrate typical features. As noted earlier, virtually the entire unfitted fleet was retrospectively equipped with four-shoe Morton vacuum brakes, so by 1959/60 the total number of vehicles with such brakegear had risen to over 9,000 – around 70% of the entire 'hybrid' fleet. The key to making a convincing representation of a rebuilt wagon from PC02a lies in changing the buffers. Modellers should cut away the Parkside mouldings and fit

appropriate alternatives, mindful of the fact that each type will indicate when a wagon was refurbished:

- 1956/57: a 2.5" collar was welded onto the older 18" sprung buffers
- 1957/58: the original short buffers were exchanged for 20.5", two-rib sprung types
- 1958/59: heavy duty Oleo or Dowty hydraulic replacements were preferred

Details of Fourmost and MJT catalogue listings for all types are given below. Running numbers for the early BR era (with or without sheet rails) are available on Modelmaster sheet 4671. However, most numbers are for vehicles built with AVB rather than rebuilt wagons. Sheet 4862 gives the modeller a choice of three running numbers enclosed in a post-1964 data panel and one 1970s TOPS coded vehicle.

Many modellers are, understandably, attracted by more esoteric wagons built in relatively small numbers – 'Presflos', 'Prestwins', 'Weltrols' and the like. However, it's important to remember that a typical early BR goods train included humdrum vehicles built by the thousand, if not tens of thousands. The 13t general merchandise open wagon is a case in point. However, there is no reason why run-of-the-mill vehicles cannot be made to look interesting, even exceptional. The key is to appreciate the main qualities and subtle differences that give wagons character in their design and overall appearance, and to represent this convincingly in miniature.

APPENDIX: REPLACEMENT BUFFERS

Sprung/spindle buffers

- F132: BR 18", two-rib
- M2300; FU03: RCH 18", four-rib
- F127: RCH 18" two-rib with BR extension collars
- F128: RCH 18" four-rib with BR extension collars
- F120: BR (RCH) 20.5" two-rib
- FU09: RCH 20.5" four-rib

Hydraulic buffers

- F122; F123: Oleo 20.5"
- F103; M2351: Oleo 24.5"
- M2353: Dowty

Note: all items with F-prefix are supplied by Fourmost models; M-prefix by MJT models

HORNBY 2015 STEAM LOCOMOTIVE RANGE



Listed below is our exciting new range. These fantastic steam locomotives will be available during 2015 in your local hobby store or online at www.hornby.com while stocks last.

R3003	BR 4-6-0 'Barnsley' B17 Class - Late BR	R3237	GWR 4-6-0 'Caerphilly Castle' Castle Class - NRM	R3315	BR 4-4-0 Fowler 2P Class, BR (Late)
R3003X	BR 4-6-0 'Barnsley' B17 Class - Late BR - DCC Fitted	R3238	SR 0-6-0 Drummond 700 class - 1920s-1930s	R3316	S&DJR 4-4-0 Fowler 2P Class
R3004	BR 4-6-0 'Serlby Hall' B17 Class - Early BR Weathered	R3239	BR 0-6-0 Drummond 700 class - Late BR	R3318	BR 4-6-0 'Gilwell Park' B17/6 Class, BR (Early)
R3004X	BR 4-6-0 'Serlby Hall' B17 Class - Early BR Weathered - DCC Fitted	R3240	BR 0-6-0 Drummond 700 class - Early BR	R3320	BR 4-6-2 'Golden Eagle' A4 Class, BR Blue
R3132	LNER 4-6-2 'Book Law' A3 Class	R3241	BR 4-6-2 'City of Bradford' Princess Coronation class	R3323	BR 4-6-0 Black 5 Class
R3195	BR 4-6-2 'City Of Liverpool' Princess Coronation Class - BR Green	R3242	BR 2-6-0 K1 Class - Early BR	R3324	LNER 0-6-0T J50 Class
R3203	BR 4-6-2 'Okehampton' West Country Class - Late BR	R3242A	BR 2-6-0 '62032' K1 Class - Early BR	R3325	BR 0-6-0T J50 Class, BR (Early)
R3205	BR 4-6-0 'Rood Ashton Hall' 4900 Hall Class - Late BR	R3243	BR 2-6-0 K1 Class - Late BR	R3326	BR 0-6-0T J50 Class, BR (Late)
R3222	GWR 2-8-0 42XX Class	R3243A	BR 2-6-0 K1 Class - Late BR	R3327	SR 4-6-0 Maunsell S15 Class
R3223	BR 2-8-0 42XX Class	R3243B	BR 2-6-0 '62064' K1 Class - Late BR	R3328	BR 4-6-0 Maunsell S15 Class, BR (Early)
R3224	BR 2-8-0 52XX Class	R3301	BR 4-6-0 'Earl of Mount Edgcumbe' 4073 Castle Class c2014	R3329	BR 4-6-0 Maunsell S15 Class, BR (Late)
R3225	GWR 2-8-2 72XX Class	R3303	BR 4-4-0 D16/3 Castle Class, BR (Early), Weathered	R3330	BR 4-6-0 'King George V' 6000 King Class - Early BR
R3226	BR 2-8-2 72XX Class	R3304	BR 0-6-0T 700 Class, BR, Weathered	R3331	GWR 4-6-0 'King James I' 6000 King Class
R3227	BR 2-8-0 Class O1	R3305	BR 2-6-0 K1 Class, BR (Early), Weathered	R3332	BR 4-6-0 'King Edward VIII' 6000 King Class, BR (Late)
R3229	BR 4-6-0 'British Monarch' 4000 Star Class	R3310	BR 4-6-2 'Bude' West Country Class, BR Green 1960s	R3333	BR 4-4-2T Adams Radial BR (Early)
R3230	LNER 0-6-0 J15 Class - Pre 1948	R3311	BR 4-4-0 'Westminster' Schools Class, BR Green	R3334	BR 4-4-2T Adams Radial BR (Late)
R3231	BR 0-6-0 J15 Class - Early BR	R3312	BR 4-6-2 'Minoru' A3 Class 1955 GN Tender	R3335	LSWR 4-4-2T Adams Radial
R3232	BR 0-6-0 J15 Class - Late BR	R3313	LMS 0-6-0 4F Class	R3336	LNER 4-6-2 'Flying Scotsman' NRM
R3233	LNER 4-4-0 D16/3 Class - Pre 1948	R3314	BR 0-6-0 4F Class, BR (Early)	R3370TTS	BR 4-6-0 'King Richard II' 6000 King Class with TTS Sound
R3234	BR 4-4-0 D16/3 Class - Early BR			R3380	LNER 0-6-0 '7510' J15 Class
R3235	BR 4-4-0 D16/3 Class - Early BR (1948)			R3381	BR 0-6-0 '65475' J15 Class BR (Early)

YOUR
BRM

READERS' L

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!

DOWN IN THE SHED



A quarter of a century ago I built a sizeable 00 gauge railway in my attic which has since fallen into disarray.

About 12 months ago to assist my recovery from a second stroke one of my sons gave me a project to reconstruct a smaller but higher detail version in our garden shed.

I was born in London a couple of days before the first night of the Blitz during the Second World War and my father worked for British Rail for 58 years, including throughout the war when he served on the Royal Train as well as that of Churchill and Montgomery.

As such I have always had a passion for the railway and wanted the theme of the new layout to reflect my childhood memories of the 1940s soon after the war had ended. The layout was constructed using a wood frame, cork base and the track was then added with the rest of the scenery, much of which I crafted or drew myself.

Most of the locomotives and rolling stock are Hornby or Bachmann and several are still running after 25 years.

I've collected my posters over the last few decades from locations across the country. **Jim Warren**

LAYOUTS

A BIT AT A TIME



I am currently reading **BRM** and stumbled across this section.

After almost two years in the making, 'Braeview Sidings' is my 12' x 5' loft-based model railway and is far from finished.

The layout is based in Dundee, Scotland. Braeview Sidings isn't

based on anything or anywhere, but is named after the area where we live. The layout features an array of models, including cars, trucks and trains.

Like many, both time and cost weigh heavily on us and doing a bit at a time keeps me happy.

Elton Wright, Dundee

A HALT IN THE HOUSE

Millhouse Halt is my first attempt at building a 00 gauge static display model. I have no previous experience and naturally I had my reservations.

A couple of years ago I visited Barrow Hill Live and whilst there, I was impressed with Chris Nevard's 'Polbrock'. It gave me inspiration to have a go myself. I raided a friend's woodpile for the shell, based upon a similar size to 'Polbrock'.

'Millhouse' isn't based on anywhere, merely a figment of my imagination. The buildings and halt platform are kits from Wills, the walls from the Hornby Skaledale Range and the pig shelters from Harburn Hamlet. To enhance the diorama, I fitted a strip light inside, hidden from view.

I have to say that I surprised myself with what I achieved. I hope I can inspire some readers, just like I was by 'Polbrock'.

Stuart Graves



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

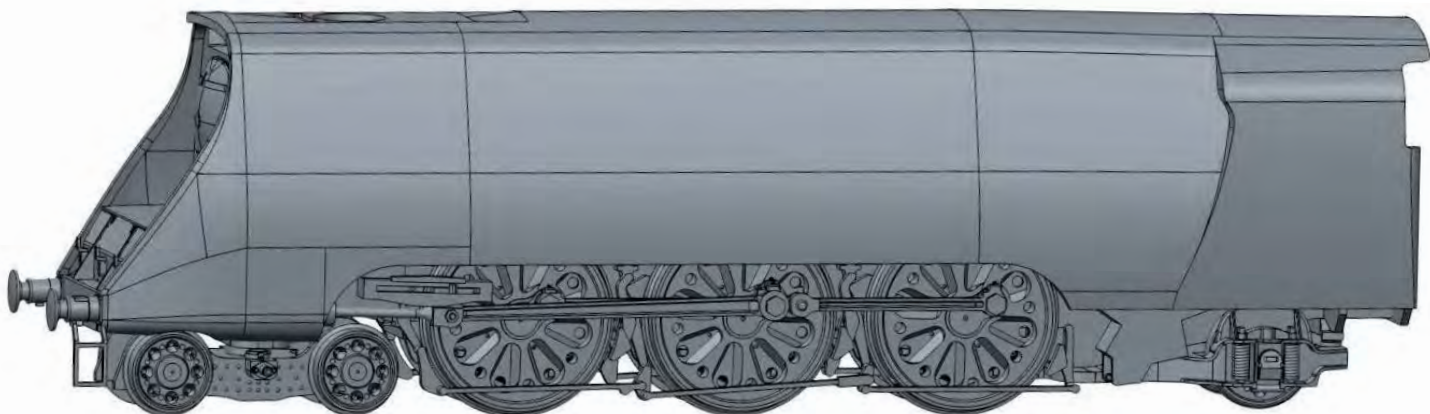
North Yorkshire

DL8 1BZ



WHAT'S NEW?

News and Events from the model railway trade



**FIRST
LOOK!**

HORNBY 'MERCHANT'

Hornby has announced that it is to produce an unrebuilt 'Merchant Navy' 4-6-2.

Expected to be included as part of the 2016 range, the model will be launched to celebrate the 75th anniversary of the class, which entered service in 1941. CAD work is already at an advanced stage, suggesting that the project is well

underway and several detailed 3-D images of the model have been posted on the Hornby website.

A total of 30 'MNs' were built at Eastleigh between 1941 and 1949 to operate fast passenger and goods trains including the 'Golden Arrow' and 'Bournemouth Belle'. They were designed to give extra power and better acceleration to keep up with SR EMUs on main lines out of London.

The class wasn't entirely trouble free and all were rebuilt as more conventional locomotives between 1956 and 1960. Improvements included substituting the chain driven valve gear for a Walschaerts design and removing the exterior cladding and adding smoke deflectors.

Look out for further updates on the progress of this model. To see more CAD images of the model, download the digital edition of **BRM**.

CORDLESS COMPRESSOR

You'll soon be able to spray your models 'on the go'. Pre-orders are being taken via Airbrushes.com for the new cordless Freestyle from Anest Iwata. This compact battery-powered air compressor is designed with portability in mind. It's suited to small or occasional spraying tasks and because of its dimensions saves valuable storage space. Its cordless capability makes the job of spraying models outdoors and away from the house much easier.

Sold with the compressor is an AC power adapter and a 1.5m length of hose. Once charged, the battery lasts for 45 minutes with an air pressure of 10psi (0.6 bar). Three pre-set speeds can be selected depending on the task at



hand, giving low, medium and high air pressures. Moulded into the 4.2" x 6.6" x 2.2" (106mm x 167mm x 57 mm) box is a holder to support the airbrush, and the underside features an anti-vibration base to prevent it from slipping off surfaces when in use.

The Iwata freestyle is priced at £245.00 via Airbrushes.com with other accessories and spares available. The new units are expected to arrive in stock mid-April.

W www.airbrushes.com

DIARY DATES

2

8/9

23/24

Things to SEE & DO in MAY

MARKET DEEPING MRC - ANNUAL EXHIBITION

A family-friendly event organised by Market Deeping Model Railway Club and held in Stamford, Lincolnshire. Fourteen layouts covering most popular scales, plus trade support. Open Saturday 1000 - 1700

A Stamford Welland Academy, Green Lane, Stamford, Lincolnshire PE9 1HE
T 01778 344 991

LNER SOCIETY JUBILEE

The LNER Society will be celebrating its Golden Jubilee with a dinner and talks by expert speakers in York on May 8/9. Tickets for both events are available from The LNER Society at £65 per head for the dinner (£55 for Society members) and £20 for the talks (£15 members).

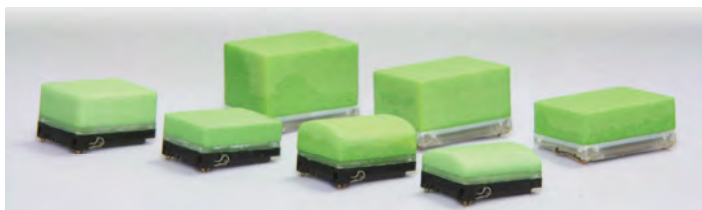
E Inersocietypublicity@btinternet.com
A LNER Society, c/o Ebor House, Millfield Lane, Nether Poppleton, York YO26 6QY

RAILEX 2015

The Risborough & District MRC's show promises top quality layouts, many of which have featured in BRM, plus a return free vintage bus service from the railway station. Open Saturday 1030-1730 and Sunday 1000-1700. See the website for full details.

A Stoke Mandeville Stadium, Stadium Approach, Aylesbury, Buckinghamshire HP21 9PP
W www.railex.org.uk

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



NEW SPEAKERS AND CAPACITORS FROM YOUCHOOS

DCC Sound specialists YouChoos have a new range of cube speakers and supercapacitors suitable for Zimo decoders. SugarCube and SugarCurve speakers (below) use a 15mm x 11mm speaker with a choice of 7mm and 9mm total heights, with a flat top, or a curved top, for N gauge diesel bodies or OO gauge steam boilers. All are priced at £7.00. A larger 'Brick' speaker at £8 is also available with a footprint of 18mm x 13mm and a choice of enclosures giving heights from 8mm.

The supercapacitors can be used with Zimo decoders as stay-alive units. The compact unit measuring 20mm x 16mm x 6mm (£20) provides up to three seconds of extra power for a OO sound decoder, and for 7mm scale, a larger capacitor measuring 52mm x 29mm x 11mm supplies up to 15 seconds of power, for £55.

A YouChoos, 4 Home Farm Close, Steeple Ashton, Wiltshire, BA14 6AH

T 08447 725 052

W www.youchoos.co.uk



FIRST LOOK: RAILS' LMS DIESEL TWINS

Bachmann and Rails of Sheffield have moved a step closer to releasing the LMS diesels 10000 and 10001 in late-1940s black/silver guise.

The pioneer diesels, commissioned by Rails, have been re-tooled to incorporate a number of prototypical detail variations from the BR green versions offered by Bachmann. This image shows the factory

decorated pre-production samples, which will undergo a couple of small corrections before production starts.

Just two versions will be available, 10000 with LMS lettering and 10001 in original guise, either as a twin pack or separately.

W www.railssheffield.co.uk

T 0114 2551436

30-31

DEMU SHOWCASE

A show across two sites showcasing post-steam era layouts. Both the Town Hall and National Brewery Centre will host over 14 layouts, with demonstrators and trade support. A 15-minute walk separates the two venues. Both venues are situated very close to the railway station in Burton upon Trent. A 15 minute walk separates each venue.

A free shuttle bus has been promised to run between the railway station, brewery centre and town hall. Open Sat 1000-1700 and Sunday 1000-1600.

A Burton Town Hall, King Edward Place, Burton upon Trent, DE14 2EB and National Brewery Centre, Hominglow Street Burton upon Trent, DE14 1NG

W www.demu.org.uk/showcase2015

DIECAST CORNER

For more diecast models, see BRM's sister titles - Diecast Collector and Collector's Gazette.

JENSEN INTERCEPTOR

OLD ENGLISH WHITE/TAN
76J1007
www.oxforddiecast.co.uk
OO Gauge

RRP: £4.75



BEDFORD OWB

BRISTOL TRAMWAYS
76OWB010
www.oxforddiecast.co.uk
OO Gauge

RRP: £13.95



LEYLAND TD1

WILTS & DORSET
27318
www.exclusivefirsteditions.com
OO Gauge

RRP: £32.50



FODEN FG DRAY

SCOTTISH & NEWCASTLE
NFG005
www.oxforddiecast.co.uk
N Gauge

RRP: £4.95



LEYLAND TITAN

2 DOOR LONDON
TRANSPORT
28824
www.exclusivefirsteditions.com
OO Gauge

RRP: £32.50



BRISTOL VRT

2 CROSVILLE N.B.C.
38116
www.exclusivefirsteditions.com
OO Gauge

RRP: £32.50



OUT NOW!

HORNBY STAMPS



Hornby train sets are the subject of a new collection of Jersey Post stamps. Issued from March 24, the collection is available to buy online via the jersey stamps website. The packs issued carry the Hornby branding along with a selection of train pack images from the current Hornby range such as *The Cornishman* and *British Pullman*. In a selection of face-values, they can be ordered via the Jersey Post website, just search for 'Hornby'.

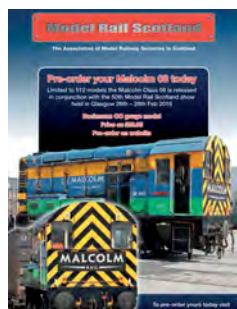
W www.jerseystamps.com

MALCOLM '08': ORDER NOW FOR MRS 2016

A limited edition Class 08 shunter has been commissioned from Bachmann by the organisers of Model Rail Scotland.

To coincide with the 50th anniversary of Model Rail Scotland on February 26-28, 2016, a Class 08 shunter in the livery of Malcolm Rail is to be made available, priced at £89.95. Pre-orders for the model are being taken on the website for delivery at the 2016 show.

W www.modelrail-scotland.co.uk



HIGHLAND COACH TO MAKE DEBUT

Lochgorm Kits has announced a new O gauge Drummond Highland Railway bogie coach kit. This latest addition to the firm's selection of kits is set to make its debut at Perth Show on June 27/28 this year.

The two prototype coaches to Dia. 18 were constructed by Lochgorm Works in 1899 and all were dual-braked for through working on the Caledonian Railway. The coaches were painted in a green and white livery and all over green from 1906 onwards. One coach lasted until 1935.

The kit priced at £80.00 (ref. HR7 -C27) requires bogies, wheels, buffers, transfers and paint to complete. Full details will appear on the Lochgorm website shortly.

E lochormkits@copps.freeuk.com

A Lochgorm kits, 3 Broomhill Court, Keith, Banffshire AB55 5EL

W www.lochgormkits.co.uk

SMALL SUPPLIERS

1

REPLACEMENT GEARS

Peter's Spares is now stocking replacement axle sets for Mainline and Bachmann locomotives. These are designed to breathe new life into models with worn-out plastic drive gears. Five different samples were received in the office suitable for the J72, Class 03, 56XX, Pannier, Collett, 43XX and Manor from Mainline and the Jubilee, Scot, 4MT and Class 03 from Bachmann. The gear sets are sold in packs containing two axle spacers and one drive gear with spacer, each priced at £5.99.

E sales@petersspares.com

T 01642 909 794

W www.petersspares.com



BEDFORD RL TRUCK FOR OO

Road Transport kit manufacturer Road Transport Images has added a 1950 Bedford RL general service truck kit to its range. The news follows the

recent release of two other military

vehicle kits - a 1944 Leyland Hippo 10 ton truck, and last

October, the 1954 Leyland Hippo 19H/Thompson RAF pressure refueller. The 3 ton 4x4 Bedford truck is sold as a set of different sub kits, allowing different body types to be constructed. As well as the cab, a 4x4 chassis (ref: CH3a), 14ft body (ref: B49) and wheel set (ref: W29) are available.

Until the end of May, **BRM** readers will save £5 with a special price of £26.50 plus £3.50 P&P.

Full details of the model are available to view on RTIs website. The new model can be ordered online or by post quoting 'RL Special Kit Deal'.

A Road Transport Images, 17 Foxdene Road, Seasalter, Whitstable, Kent CT5 4QY

W www.roadtransportimages.com



3

HOUSE KIT DOWNLOAD FROM SMART MODELS

Smart Models' latest digital kit is for a terraced house in both N and OO gauges. The artwork for the house (ref: RE506) is priced at £5.99 for both scales and a choice of three brick colours is available - old red, cream and light red brick. Further variations can be made with the choice of roof tiles in three colours.

Smart Models specialises in downloadable artwork files designed to be printed at home and glued to card. This

latest artwork from the manufacturer includes varied interior decorations, from wallpapers to floorings, doors and curtains. Comprehensive instructions with photographs are included to help with assembly.

E info@smartdesign-u-need.com

T 07957 124 317

W www.smartmodels.co.uk

This month's **OXFORD** New Releases

1:72

Westland Lysander
Target Tug -
HWM Canada
AC050 1:72

Polikarpov I-16 - 4th Guard
Reg Leningrad 1942
AC049 1:72

Avro Anson Mk1 - 217 Sqn
RAF Coastal Command, 1937
72AA002 1:72

1:76

Land Rover Series II
Canvas Back - Bronze Green
76LAN2011 1:76

Commer PB -
Post Office Telephones
76PB007 1:76

Whitby Mondial Ice Cream
Van - Dimascio's Ices
76WM004 1:76

Diamond T -
Charles Thurston
76DT003 1:76

**NEW
Tooling!**

Vauxhall Cresta -
Dusk Rose/Lilac Haze
76CRE008 1:76

Bentley T2 Saloon -
Nutmeg/Silver Sand
76BT2002 1:76

Mini 1275GT -
Flame Red
76MINGT003 1:76

Konecranes Reach
Stacker - NATO Green
76KRS004 1:76

CMP LAA Tractor -
Southdown
76CMP007 1:76

Bedford CA Minibus -
Royal Navy
76CA025 1:76

Austin Tilly - 1st Polish
Army Division
76TIL008 1:76

Austin Tilly - City of
Leeds Fire Brigade
76TIL006 1:76

Weymann Fanfare -
Triumph Coaches
76WFL002 1:76

Weymann Fanfare -
Grey Cars
76WFA002 1:76

Southdown Centenary
2-Piece Set
76SET38 1:76

1:148

Foden FG Oval Tanker -
Regent Oil Company
NF6006 1:148

1:43

Jaguar MkVII - 1952
Silverstone (Stirling Moss)
JAGVII007 1:43

To order, call:
02380 248850



Follow us on Twitter
@OxfordDiecastUK

See more at:
www.oxforddiecast.co.uk

OXFORD DIECAST LTD. PO Box 62, Swansea SA1 4YA Tel: 01792 643500

OXFORD 
Precision die-cast scale engineering
at surprisingly inexpensive prices

BACHMANN GWR 'MODIFIED HALL'

After a false start in 2013, Bachmann's revamped GWR 4-6-0 is ready for release. **Ben Jones** takes a detailed look at this Hawksworth mixed traffic type and a new version of its Collett predecessor.

FACT FILE

- ▶ **MANUFACTURER** Bachmann Branchline
- ▶ **MODEL** 31-780 BR late crest lined green 'Modified Hall' 4-6-0 No. 6988 *Swithland Hall*, 31-781 BR early emblem lined black No. 7903 *Foremarke Hall*
- ▶ **PRICE** RRP: £124.95 each
- ▶ **AVAILABILITY** Bachmann stockists
- ▶ **REVIEW** Ben Jones

These are exciting, but expensive, times for GWR and Western Region modellers. In recent weeks we've seen Hornby's 'Hall' and the Bachmann '64XX' and now we have a revamped 'Modified Hall' and a new version of the Collett 'Hall' 4-6-0 from the Barwell firm.

Many will be aware that this is Bachmann's second attempt at re-launching the Hawksworth mixed traffic 4-6-0. A small batch landed in the UK in 2013 but was recalled after several detail faults were highlighted by magazine reviews. To Bachmann's credit, it withdrew the models and put them right.

The 'Modified Hall' was a replacement for a model inherited from Replica Railways and last produced in 1996/97 with an unreliable split die-cast chassis. When Bachmann's all-new 'Hall' was introduced in 2005, the need for a 'Modified Hall' to similar standards became more pressing, so it is perhaps surprising that it's taken almost a decade to eventually materialise!

Four versions are being offered, two in BR late crest lined green and two in BR lined black with the pre-1957 early emblem, with a pristine and a weathered edition of each.

No. 7903 *Foremarke Hall* (pristine) and No. 7904 *Fountains Hall* (weathered) are the BR black machines with Collett 4,000gal tenders, while No. 6988 *Swithland Hall* (pristine) and No. 6965 *Thirlestaine Hall* (weathered) are lined green models with the much more modern looking Hawksworth flush-sided tender.

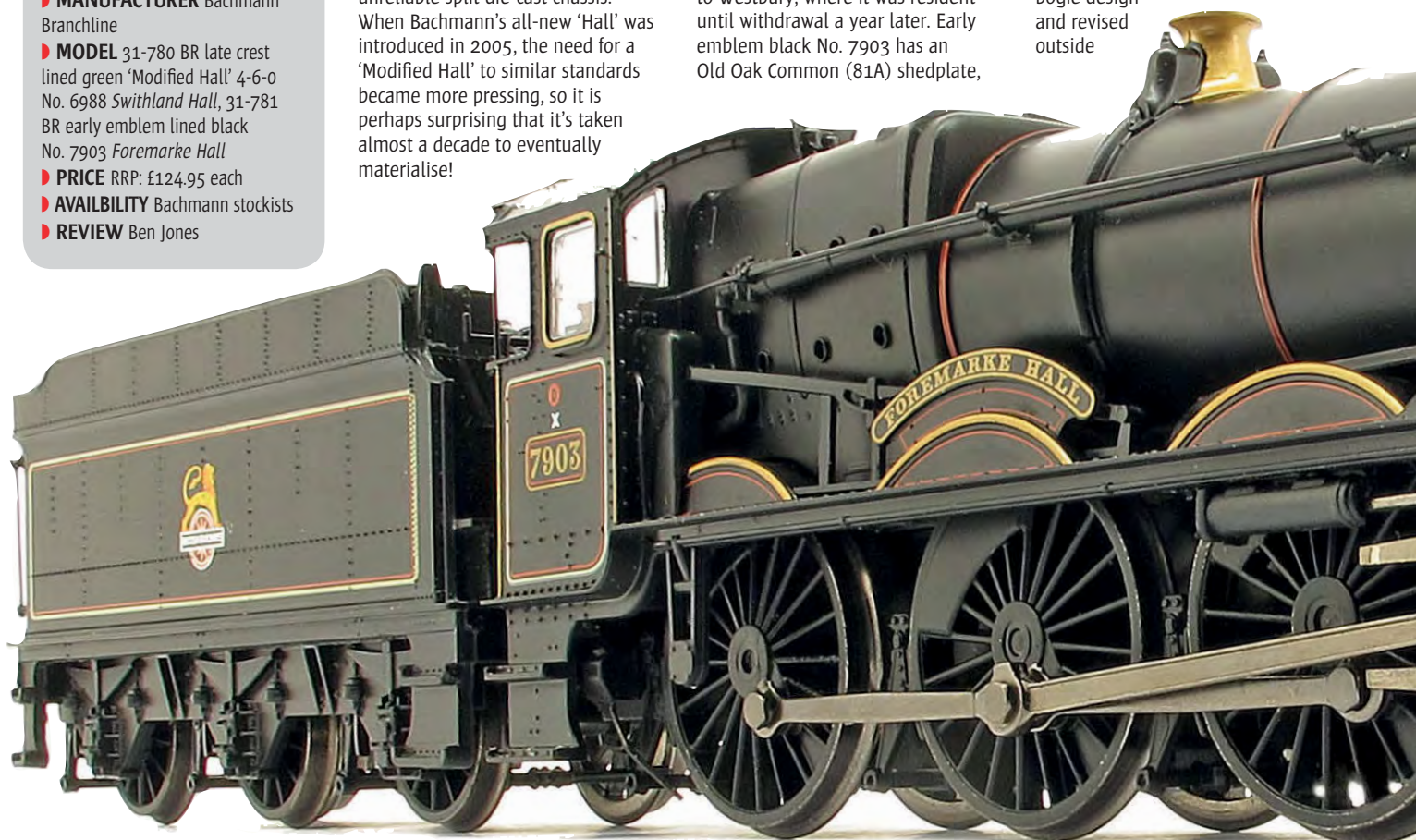
No. 6988 is in late-1950s to mid-1960s guise and has a Plymouth Laira (83D) shedplate, where it had three spells in January-October 1954, May 1955 to September 1959 and (most appropriate for the livery depicted) December 1962 to September 1963. After that it moved to Westbury, where it was resident until withdrawal a year later. Early emblem black No. 7903 has an Old Oak Common (81A) shedplate,

carried from January 1950 until its transfer to Cardiff East Dock in October 1963. The two weathered versions were not seen before this review went to print.

Both are beautifully decorated, with a lush satin finish to both the BR green and earlier lined black models, excellent printing, numerous authentic colours on the BR emblems and crisp name/numberplates. Etched metal name and numberplates would, however, add a final touch of quality.

LOOKS

When compared to Bachmann's existing 'Hall', the numerous detail differences of Hawksworth's modified design immediately become apparent. The front end arrangement with plate frame extensions projecting beyond the smokebox towards the bufferbeam, plate frame bogie design and revised outside





When compared the Bachmann's existing 'Hall', the detail differences of Hawksworth's design immediately become apparent.

steam pipes is well modelled. The 'face' is utterly convincing thanks not only to Bachmann's superb rendering of the shape and dimensions, but also to small details such as the small valve protruding from the smokebox door ring. Interestingly, one of the smokebox door handles is moulded into the door while the other is a separate part.

Overall, the model conveys the outline of the prototype perfectly, from the utterly convincing 'face' to the superb Collett and Hawksworth flush-sided tenders. Separate components include the turned brass, copper-capped chimney, safety valves and whistle, wire handrails, reversing

lever and ejector pipework and a well-detailed boiler backhead.

These revised 'Modified Halls' also have the correct pattern handrails beside the cabside windows, a more accurate, flowing shape to the cylinder casings (as opposed to the flatter casing of the '49XX') and a more accurate smokebox saddle. Numerous separate metal lamp

FACT FILE: GWR 'Modified Hall' 4-6-0

Charles Collett laid the foundations for this highly successful series of mixed traffic 4-6-0s in 1924 when 'Saint' No. 2925 was fitted with smaller driving wheels and had its boiler altered to a lower pitch. Renumbered as No. 4900, it was eventually followed by 258 more 'Halls' with construction continuing until 1943.

When the GWR required more mixed traffic locomotives during the Second

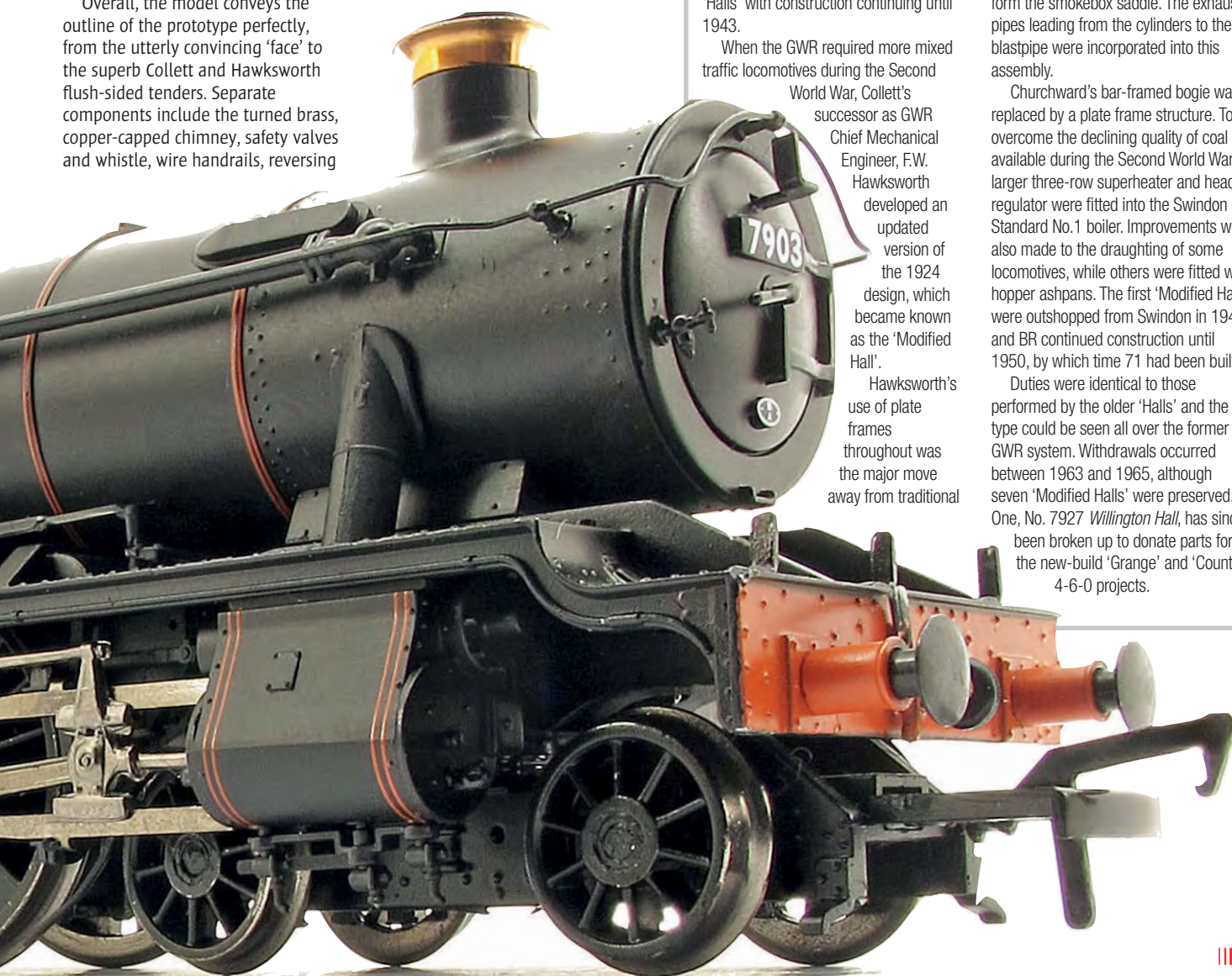
World War, Collett's successor as GWR Chief Mechanical Engineer, F.W. Hawksworth developed an updated version of the 1924 design, which became known as the 'Modified Hall'.

Hawksworth's use of plate frames throughout was the major move away from traditional

GWR practice and this altered the look of the locomotives, particularly at the front end. The two cylinders were cast separately from the smokebox saddle and bolted to the frames on each side. A stiffening brace was inserted between the frames and extended to form the smokebox saddle. The exhaust pipes leading from the cylinders to the blastpipe were incorporated into this assembly.

Churchward's bar-framed bogie was replaced by a plate frame structure. To overcome the declining quality of coal available during the Second World War a larger three-row superheater and header regulator were fitted into the Swindon Standard No.1 boiler. Improvements were also made to the draughting of some locomotives, while others were fitted with hopper ashtrays. The first 'Modified Halls' were outshopped from Swindon in 1944 and BR continued construction until 1950, by which time 71 had been built.

Duties were identical to those performed by the older 'Halls' and the type could be seen all over the former GWR system. Withdrawals occurred between 1963 and 1965, although seven 'Modified Halls' were preserved. One, No. 7927 *Willington Hall*, has since been broken up to donate parts for the new-build 'Grange' and 'County' 4-6-0 projects.





Corrections from the recalled batch include the 'L' shaped handrails on the cabside and addition of the previously omitted fire iron tunnel.

brackets are fitted, including the pair on the left-hand running plate for spare lamps - a very nice touch at a time when there's pressure to reduce costs.

The previously omitted fire iron tunnel on the left hand running plate, between the cab and middle driving wheel splasher is now firmly in position. Unlike Hornby's 'Hall', the outside steam pipes are also separate components and have the necessary gap behind. One very small gripe is that the outside steam pipes didn't quite fit flush against the boiler on our sample, leaving a sliver of daylight between if you look closely. However, wherever you look on the model there is fine detail executed to the standard that Bachmann customers have come to expect.

Factory-fitted brake rodding on the locomotive and tender, wire sandpipes and superb black-painted cast wheels complete the quality feel, especially when compared with the built-to-a-price Hornby Railroad 'Hall'.

The two different designs of 4,000gal tender have been seen before with Bachmann's '49XX' but deserve another mention for their quality and detail. The

later Hawksworth type in particular is beautifully executed.

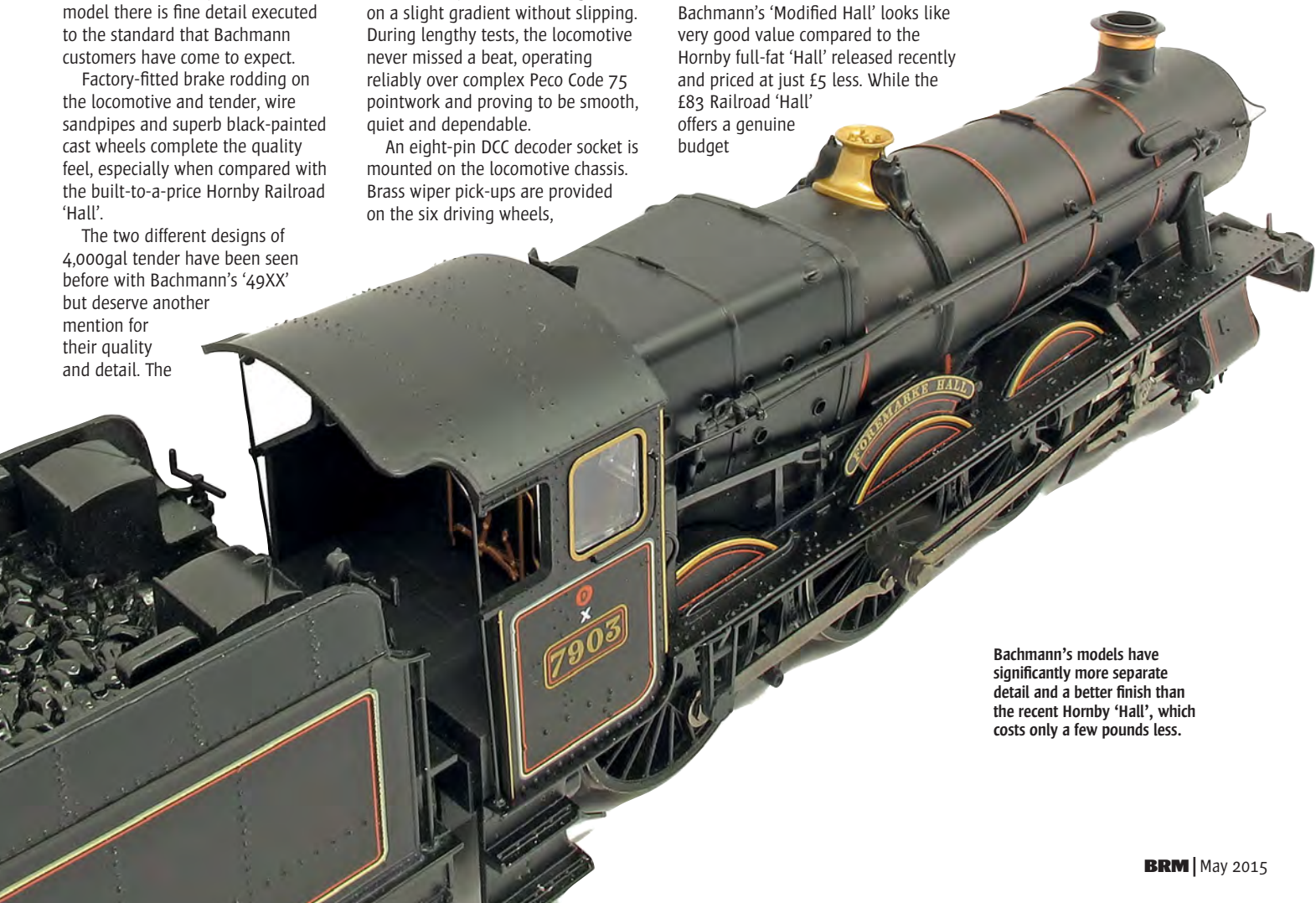
CHASSIS

After a period of gentle running-in we put our sample to work on a typical 'Modified Hall' duty; a fast fitted goods formed of short-wheelbase vans, opens and a smattering of bogie and 4w parcels vans. In weight and length the train was equivalent to ten bogie coaches, but No. 6988 coped admirably on level track, even lifting its train away from a standing start on a slight gradient without slipping. During lengthy tests, the locomotive never missed a beat, operating reliably over complex Peco Code 75 pointwork and proving to be smooth, quiet and dependable.

An eight-pin DCC decoder socket is mounted on the locomotive chassis. Brass wiper pick-ups are provided on the six driving wheels,

but not on the bogie or tender wheels. NEM couplers are fitted front and rear, as well as sprung metal buffers. Unlike many recent tender locomotives, there are no leads between the two parts, just a simple two-position metal coupling bar.

With an RRP of £124.95, Bachmann's 'Modified Hall' looks like very good value compared to the Hornby full-fat 'Hall' released recently and priced at just £5 less. While the £83 Railroad 'Hall' offers a genuine budget



Bachmann's models have significantly more separate detail and a better finish than the recent Hornby 'Hall', which costs only a few pounds less.



PRESERVED 'HALL' PACK

Whilst on the subject of GWR mixed traffic 4-6-0s, Bachmann has also released a new version of its original 'Hall' - paired with a 3,500gal for the first time. The attractive 'Shakespeare Express' pack is based around Tyseley's preserved No. 4965 *Road Ashton Hall* in 1920s GWR lined green with the smaller tender - as fitted to some early '49XXs' - adapted from Bachmann's 'Dukedog' 4-4-0. As well as the locomotive, the pack contains Mk 1 BSK support coach W35470, Mk 1 Pullman Parlour Second 99353, Pullman Kitchen Second 99335 and an exclusive EFE die-cast Bristol VR open top tour bus. The pack is inspired by Tyseley's popular Birmingham to Stratford-upon-Avon dining train, which is often hauled by No. 4965 and formed of former BR coaches painted in WR style chocolate and cream. Priced at £229.95 the limited edition pack (Ref. No. 30-525) is likely to be extremely popular with both modellers of the current scene and collectors.



'Shakespeare Express' collectors pack.

alternative, the design, detail, finish and overall finesse of Bachmann's models put them some way ahead of the Margate 'red box' products for the money.

It might have been a long time coming, but the result is excellent and gives Bachmann fine models of both the original and modified 'Halls' that should please fans of the GWR and Western Region. **BRM**

OUT NOW

Hornby R3229 BR early emblem lined green 'Star' 4-6-0 No. 4021 British Monarch, 1:76 scale 00, rrp £134.99

A second post-1948 edition of the legendary GWR express 4-6-0 with another stirring, patriotic name. Whilst the 'Star' is, in many ways, a decent model this version suffers again from a flat, matt green finish and poor quality control that saw our sample delivered with the smokebox door dart missing. When compared with other products on this page it looks like poor value for money at over £130. An Oxford (81F) shedplate places it between January 1950 and withdrawal in October 1952.



Hornby R3219 'Great Western Troop Train' pack with GWR green 'Star' 4-6-0 No. 4050 Princess Alice and three GWR clerestory coaches, 1:76 scale 00, rrp £154.99

Continuing the First World War theme of recent months, this train pack brings together the 'Star' and the much older, but attractively decorated GWR clerestory coaches to depict an Edwardian express train being used

to move troops. Again, the locomotive suffers from a very flat and muddy rendition of GWR green, but the two Corridor Thirds (Nos. 3133/34) and Brake Third (No. 3374) are neatly printed and panelled. However, with an RRP just £20 more than an individual Hornby 'Star' (see above), the pack is competitively priced.

Bachmann 37-506 BISC brown 22t iron ore hopper wagon No. 776, 1:76 scale 00, rrp £13.95

A variation on the private owner wagon theme, this hopper represents a vehicle built by Charles Roberts in 1939 and used to carry bulk ironstone from quarry to steelworks. Such wagons were built in large quantities and were the basis of a BR standard design after 1948. Ideal for working with LMS heavy goods locomotives in block trains.



OUT NOW!

'BRIGHTON' E4



After recent successes with models of pre-1923 locomotives, Bachmann is paying more attention to this once-neglected subject. As its OO gauge range grows to include more pre-Grouping designs, the opportunities for producing these attractive liveries increases - the

latest to appear is the new Billinton E4 0-6-2T in London Brighton & South Coast Railway lined umber.

Beautifully decorated as No. 579, the model carries fully-lined LBSCR livery with a white cab roof (not the most practical choice for a steam locomotive), gold and black lining and shaded gold

lettering/numbers. Crisply applied lining extends to the boiler bands, splashers, running plate and even the Westinghouse air pump.

As one of the final few E4s built, this locomotive was originally painted in Stroudley's 'Improved Engine Green' - actually yellow - and named

FACT FILE

- ▶ **MANUFACTURER** Bachmann Europe
- ▶ **MODEL** 35-075 LBSCR lined umber E4 0-6-2T No. 579
- ▶ **PRICE** RRP £109.95
- ▶ **SUPPLIER** Bachmann stockists
- ▶ **WORDS** Ben Jones

Roehampton, but after 1906 a more restrained dark brown was adopted by Marsh and the E4s lost their painted names. Completed at Brighton Works in July 1903, the locomotive soldiered on until December 1959 as BR No. 32579.

Pre-Grouping livery aside, the model is identical to the BR E4 reviewed in April's **BRM**. Performance is excellent and a six-pin decoder socket is provided on the chassis for easy DCC conversion.

The six driving wheels have brass pick-ups. Other features include NEM couplers front and rear and a bag of optional detail parts containing white headcode discs, brake rigging and bufferbeam hoses. Don't hang about if you want one.

'LANDSHIP TRAIN' PACK

As mentioned in the David Haarhaus interview on page 35, the current spate of attractively packaged Bachmann/

FACT FILE

- ▶ **MANUFACTURER** Graham Farish by Bachmann
- ▶ **MODEL** 370-300 'The Landship Train' pack with MR 4F 0-6-0 No. 3848, three WD bogie bolster wagons and three covered WW1 tanks
- ▶ **PRICE** RRP £104.95
- ▶ **SUPPLIER** Graham Farish stockists
- ▶ **WORDS** Ben Jones

Farish train packs is proving very popular and more are expected in due course. Latest to arrive for N scale is another variation on the First World War theme - 'The Landship Train'.

Containing the latest Graham Farish 4F 0-6-0 (March **BRM**) in original Midland Railway black with large gold-painted numerals on its Deeley tender and three War Department bogie bolster wagons, the pack recalls how the railway was used to move tanks - at the time the 'cutting edge' of military technology. The pack makes good use of existing tooling and while the LMS wagons are, strictly speaking, wrong for the period, it's good to see the excellent new 4F

appearing in MR livery, complete with ornate cabside MR crests.

The trio of armoured fighting vehicles (to use modern parlance) is neatly modelled in resin, wrapped in tarpaulins with securing ropes. The distinctive First World War shape is immediately recognisable. Lashing ropes are also moulded around the vehicles.

Hopefully Graham Farish will make the tanks and WD wagons available separately so that modellers can assemble longer, more prototypical military trains. A Graham Farish MR 20t brake van (so far only produced in LMS and BR colours) would also make a useful period companion.

The items make an interesting

and evocative train that should appeal to collectors and military railway enthusiasts alike. But, perhaps the most surprising aspect is the price. With an RRP of £104.95, the pack costs just £5 more than an individual 4F, making it a real bargain too. Highly recommended.



FYLDE 'FIVE'

FACT FILE

- ▶ **MANUFACTURER** Graham Farish
- ▶ **MODEL** 372-139 BR early emblem lined black Stanier 5MT 4-6-0 No. 45206
- ▶ **PRICE** RRP £139.95
- ▶ **SCALE** 1:148 scale, 9mm gauge N
- ▶ **WORDS** Ben Jones



A BR 'Black Five' is one of those staple catalogue items for which there will always be demand. Graham Farish's latest version features No. 45206 in 1950s

condition with the early BR emblem, separate top feed and dome, and a Fleetwood (24F) shedplate. The locomotive was resident at the Lancashire port's depot from August

1952 until July 1965. It's nothing flash, just an ordinary BR 'Black Five' produced to a high standard - something that every LMR layout needs. **BRM**

THE HEREFORD MODEL CENTRE

Email: sales@herefordmodels.co.uk
www.herefordmodels.com

4 COMMERCIAL ROAD, HEREFORD,
HEREFORDSHIRE, HR1 2BA

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

R3346	Class 92 DB Schenker	£70.45
R3170	GWR Adderley Hall	£72.50
31-635	GWR 64XX	£69.65
31-636	BR 64XX	£69.65

HORNBY

R2881	LMS Class 5 Black	£65.95
R3229	British Monarch	£119.25
R3230	LNER Class J15	£96.45
R3231	BR Early Class J15	£96.45
R3232	BR Late Class J15	£96.45
R3242	BR Early Class K1	£114.25
R3245TTS	A1 Tornado	£135.75
R3188	N2 BR Late	£74.95
R3114A	B1 BR Late	£118.95
R2634	Patriot Class	£74.95
R2744	Schools Blundells BR	£84.95
R2827	Cheltenham Schools	£94.45
R2840	M7 SR	£79.25
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
R3015	Prince Arthur BR	£103.50
R3016A	Standard 4MT BR Black	£109.00
R3017	BR Patriot	£108.50
R3088	LNER Class 01	£97.45
R3100	NRM Flying Scotsman Black	£111.99
R3025	J94 LNER	£55.45
R3204	M7 LSWR	£108.95
R3206	BR Blue Tornado	£98.45
R3228	Austerity NCB	£65.75

HORNBY TRAIN PACKS/SETS

R3219	1914 GWR Troop Train	£142.50
R2696	CL101 - 2 Car	£65.25
R2806	Dean Single LMS Pack	£124.75
R2815	Southern Suburban Ltd	£159.00
R2952	Imperial Airways	£159.50
R2981	London Olympic	£158.00
R2985	Duchess of Carlisle	£179.90
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

R3161B	SR 2 Bil Green	£120.60
R3290A	BR 2 Hal Green	£113.90
R2486	CL50 - Agincourt BR - 50013	£70.75

R2508	CL121	£47.50
R2508A	CL121	£47.95
R2576	CL56 BR - 56063	£44.50
R2644	CL121 Choc/Cream	£47.50
R2646X	CL56 BR Grey	£83.95
R2647	CL56 BR Grey	£72.95
R2650	CL66	£51.95
R2652	CL66	£51.95
R2755	CL86 BR Les Ross	£43.95
R2803XS	CL31 BR	£163.99
R2900XS	CL31 Railfreight	£179.45
R2977XS	CL08 BR	£158.50
R3038	CL67 DB Schenker	£95.99
R3052	CL56 Richard Trevithick	£98.45
R3141	CL60 Tata Steel	£117.45
R3136	Network Rail Class 73	£53.45
R3135	GBRF Class 92	£61.25
R3177	BR 2Bill SR Green	£123.99
R3178	NCB Sentinel	£44.95
R3180	Tarmac Sentinel	£44.95
R3183	Class 67 Arriva	£107.45
R3268	Class 67 Arriva	£122.90
R3283	Bagwall Shunter	£25.75

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
R3134	Northern Belle Train Pack	£117.00
R8026	Power Track	£3.75
R8072	LH Point	£8.45
R8073	RH Point	£8.45
R8074	LH Curved Point	£14.25
R8075	RH Curved Point	£14.25
R8076	Y Point	£10.25
R8077	LH Express Point	£13.95
R8078	RH Express Point	£13.95

HORNBY TRACK ACCESSORIES

R076	Footbridge	£11.85
R169	Junction Home Signal	£8.50
R170	Junction Distant Signal	£8.50
R171	Single Home Signal	£6.50
R172	Single Distant Signal	£6.50
R189	Single Brick Bridge	£6.30
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	£5.95
R046	Two Way Switch	£5.95
R047	On/Off Switch	£5.95
R602	Power Connecting Clip	£1.50
R8014	Point Motor	£3.65
R8015	Point Motor Housing	£2.95

BACHMANN STEAM LOCOMOTIVES

31-001	Robinson BR Late Crest	£94.99
31-002	Robinson BR Early Crest	£94.99
31-003	Robinson LNER	£94.99
31-086	GWR 3200 Class BR Black	£98.50
31-087	DC Earl Class GWR	£110.95
31-117DC	4MT BR Black	£79.45
31-118	4MT BR Green Late	£69.20
31-127	CL3000 BR ROD	£118.45
31-128	BR ROD Weathered	£105.45
31-135	Lady of the Lake	£100.25
31-136DC	D11/2	£115.90
31-213DS	Patriot BR Late	£201.45
32-261	WD Austerity	£110.40
31-284	Royal Scot Ranger	£56.95
31-319	J11 BR Early	£76.45
31-350	Class A2 Sugar Palm	£107.99
32-559	A1 Great Eastern	£91.45
31-462	C Class BR Black	£68.95
31-476A	G2A BR Early	£72.95
31-527	A2 Tudor Minstrel A/Green	£96.45
31-550B	V2 Green Arrow	£85.70
31-564	V2 Durham School	£85.70
31-565	V2 BR Green	£85.70
31-626A	Class 3F BR	£71.25
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
31-965	A4 Wild Swan BR	£94.45
31-979	Standard BR 3MT	£78.40
32-130	Class 45xx BR Green Late	£59.75
32-140	CL4575 Prairie BR Green	£68.30
32-209	Pannier BR	£53.45
32-231	Fowler BR Black	£49.95
32-260DC	WD Austerity	£125.29
32-500	5MT Class BR - 73068	£70.99
32-550A	A1 Tornado Apple Green	£109.45
32-550B	Tornado BR Green	£127.95
32-509	BR 5MT Early Crest	£104.55
32-954	4MT BR Early	£87.50
32-955	4MT BR Late	£87.50
32-203A	Class 8750 BR Black	£68.65
31-463	C Class SECR	£96.00
31-464	C Class SR	£96.00
31-465	C Class BR	£93.46
31-137	D11/2 Black	£106.20
31-138	D11/2 Black Early	£106.20

BACHMANN DIESEL/ELECTRIC LOCOMOTIVES

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
31-325DC	CL105 BR Blue Yellow Ends	£92.05
31-326A	CL105 BR Green	£80.50
31-327	CL105 BR Green	£79.45
31-342	Class 04 Green L/C	£48.20
31-375	CL416 BR Blue	£83.99
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

31-536	CL105 Speed Wiskers	£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
31-653	CL47 ScotRail	£86.35
31-655	Class 47 Railfreight	£86.35
31-658	Class 47 Petroleum Sector	£97.70
31-995	LMS 10000 BR Green	£89.45
32-034DS	CL20 BR Green	£165.95
32-118	Class 08 Haversham	£61.15
32-166A	CL08 BR Green	£50.95
32-475	DC Class 40 BR Blue	£87.75
32-515A	Derby Lightweight	£93.97
32-531DC	CL55 BR Blue	£89.95
32-616A	Derby Lightweight	£93.97
32-652DS	CL44 BR Blue	£152.95
32-750	DC - CL57 FL - 57008	£52.95
32-904DC	CL108 BR Blue	£96.99
32-906	CL108 Green 2 car	£93.50
32-910	CL108 Blue/Grey	£74.95
32-938	Class 150 Northern Rail	£127.45
32-937	Class 150 Centro	£127.45
32-928	Class 150 Sprinter	£135.95

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

H17101	CL17 BR Blue yellow ends	£84.27
H2301	CL23 Green yellow ends	£94.95
H2306	CL23 Green weathered	£95.95
H2307	CL23 Blue weathered	£95.95
H35111	CL35 Blue yellow ends	£75.75
H5217	CL52 Western Explorer	£78.95

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 May 2015**

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

NEW HELJAN O GAUGE WAGONS

OAA 31T OPEN

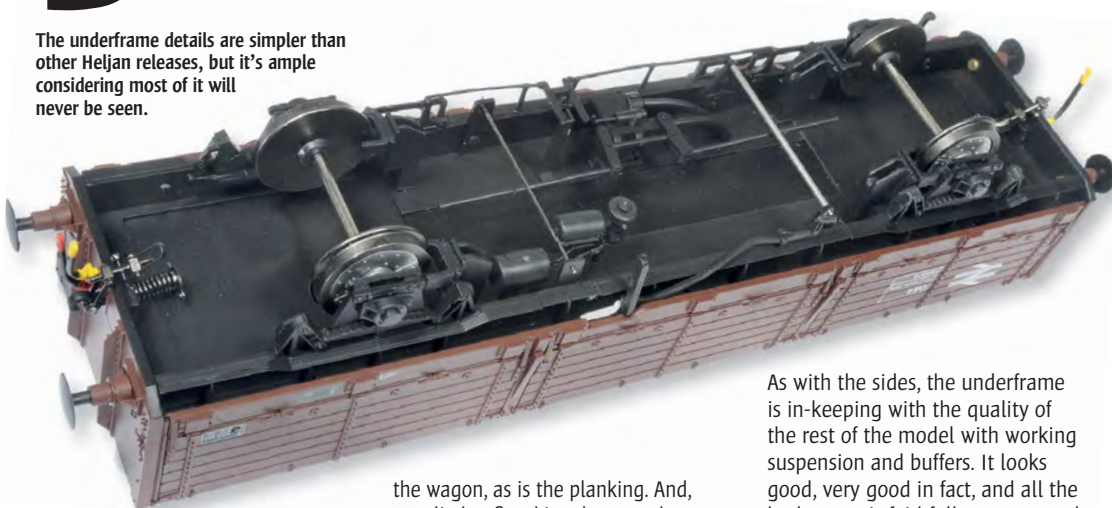
As part of Heljan's release of O gauge air-braked wagons these OAA dropside wagons are now available.

Kindly supplied for review by Heljan is this sample of OAA 100016 in BR bauxite livery (HJ1050), representing a wagon built to lot 3727 at Ashford in 1971. Other liveries available are later bauxite Railfreight (HJ1051), Railfreight red and grey (HJ1052), Railfreight red/grey with ABN logo (HJ1053) and a departmental yellow/grey ZBA (HJ1054).

One hundred of these wooden-planked wagons were built to carry general goods and replace earlier short wheelbase general merchandise opens. Experience in traffic soon led to an updated version, the OBA, which was built in greater numbers.

The traffic for which they were built soon declined and many transferred to the engineers department where they gained the fish-kind name 'Squid'. For a long wheelbase wagon their 31ton gross laden weight meant that they could not be completely filled with dense materials such as ballast or spoil, so most of the time these wagons would

The underframe details are simpler than other Heljan releases, but it's ample considering most of it will never be seen.



be marshalled into engineers trains to carry equipment or sleepers. They were seen nationwide, so Heljan's choice of wagon is an informed one.

OUT OF THE BOX

Some effort has been made to get the wagon sides looking right. OAAs don't have door bangers, but use the more costly method of door retainers. These limit the travel of the doors to prevent them from hitting the solebars, achieving the same result. This method wasn't retained for later-built wagons such as OBAs, reverting back to cheaper door bangers instead.

Smaller details such as the rope hooks, all of which are separately applied with relief don't go unnoticed. If you decide to add a load, a few threads of cotton could easily be used from hook to hook to add realism. The door hinges with rivets are continued on the inside of

the wagon, as is the planking. And, supplied unfitted in a bag are the door retaining pins and chains - there are six to fit into the pre-drilled holes down each side. Again, as with its recent GUV, Heljan hasn't just moulded these details and the wagon looks all the better for it.

Looking at the design of the sides, I suspect you could remove them with little damage if you fancied the challenge of modelling one of the later modified OAA wagons of the late-1990s with mesh grille sides for the transport of blocks.

Moving round to the ends, there are only two small detail inaccuracies that I could notice - the rope securing eyes are rings instead of being solid depressed circles, and the yellow brake hose should be offset to the right, below the red hose. That's it. Both can be easily improved if you really want to go that far. In fact, it's quite hard to find fault with anything on this wagon which makes a change from models we've seen in the recent past.

As with the sides, the underframe is in-keeping with the quality of the rest of the model with working suspension and buffers. It looks good, very good in fact, and all the brake gear is faithfully represented.

One little niggle is that due to the chassis being shared with the VAA van, the axleboxes are of the wrong type of roller bearing for an OAA. Unless you really study them or know these wagons like the back of your hand, it's hardly a problem.

Over their lives the OBAs carried battle scars due to loading and unloading, underwent patch painting and re-planking on a budget and changed between different pools - just by looking at photographs of the real ones, you'll note many differences.

Heljan's wagons are very clean and many will probably leave them as they are, but these wagons could really be improved with weathering to bring them to life. Don't see it as just defacing a wagon, but rather as improving it, by giving it a story to tell about its life and use. I'd really recommend getting one and having a go, it's certainly worth it.

FACT FILE

- ▶ **MANUFACTURER** Heljan A/S
- ▶ **PRODUCT** OAA open, later bauxite (ref: 1051)
- ▶ **RRP** £84.95
- ▶ **SUPPLIER** Heljan A/S
- ▶ **PHOTOGRAPHS** Tony Wright
- ▶ **WORDS** Howard Smith

These OAA wagons are both pleasing to look at and handle. The unwanted underframe gap between the solebar and wagon ends on the VAA has now disappeared.



Arising from the Modernisation Plan of 1955, wagons with a longer wheelbase and automatic brakes were accepted for running up to 60mph. They were distinguished by the two stars.



35T 'CLASS B' TANK

Here's a wagon from Heljan that is of use to both steam and diesel-era modellers - a Charles Roberts-built Class B tank wagon. With a 15' wheelbase and 13t tare, these vacuum-braked wagons were privately owned by Esso and the first higher capacity tanks to be produced in large volumes. The successful design was later used by other companies and several hundred were built from 1957 onwards.

Class B fuels are flammable liquids such as acetone, petroleum, or oils - the classification helps fire crews in the event of a fire. The prototypes saw most of their use from new in block trains carrying such liquids between refineries and distribution depots but with the arrival of the even larger 45t TTAs, TTBs and 100t TEAs from the mid-1960s, their use gradually declined and scrapping took place in the 1980s. In their latter years, many saw use as storage tanks on diesel depots for waste oil until the 1990s.

A WORTHWHILE EFFORT

Heljan really seems to be 'upping the ante' with every model it releases and this tank wagon certainly continues the trend. The prototype wagons aren't the easiest to capture in model form, but a fine effort has been made.

The chassis is probably the most impressive area. And, due to the nature of the wagon, a fair amount

of what is beneath it can be seen too, so it's just as well that Heljan has gone to town with the detail. Not only has the brake gear been fully modelled near the wheels, like most models, but so has all of the rest. From the wire brake pull rods to the vacuum hoses connecting the cylinders to the distributor - it's all on display, right down to the bolt heads. The rivets above the chassis at either end are good and the correct extended length Oleo hydraulic buffers have been used.

As with other recent wagons from Heljan in this scale, there are sprung buffers, working screw-link couplings, and sprung suspension - but the latter isn't as smooth as it could be. Heljan has modelled the SKF roller bearings overscale by around 50% and the rears of these rub on the 'W' iron rivets, causing them to judder slightly, though I doubt it will hamper the performance of these otherwise superb wagons on a layout.

The 'Regent' livery of the sample model is good with sharp accurate lines and a good level of definition. The white of the two stars on the black background has been achieved successfully too. Owners will be spoilt for choice with some seven liveries, from the striking red of Charringtons to the more subdued brown of United Molasses. To see all of the liveries

available, visit Heljan's website.

As a model, it's another release from the manufacturer that it can be proud of. I'd suggest that if you want one you'd better be quick about it as some distributors have already sold out of some of the liveries. I can easily see why. Roll-on the next batch of Heljan wagons - will they be even better? **BRM**

FACT FILE

- ▶ **MANUFACTURER** Heljan A/S
- ▶ **PRODUCT** CLASS B Tank Regent Black (ref: 1003)
- ▶ **RRP** £84.95
- ▶ **AVAILABILITY** Heljan stockists
- ▶ **PHOTOGRAPHS** Tony Wright
- ▶ **WORDS** Howard Smith



This viewpoint shows all of the underframe detail at its best.



BACHMANN BR 20T GRAIN HOPPER

Bulk grain traffic, first seen in Scotland in the late-19th century, was once a major source of revenue for Britain's railways. Many railway companies employed bespoke covered hopper wagons to serve the brewing, distillery and food industries around the country. Hotspots for grain traffic included East Anglia and Lincolnshire, Scotland and Merseyside, which was home to large flour mills and retained deliveries of grain by rail into the 1980s.

As with many other types of wagon, when BR required new grain hoppers to replace vintage pre-Grouping and 'Big Four' vehicles it adopted and modified the best or most recent pre-Nationalisation designs. In this

instance it was an ex-LMS steel-bodied type, 40 of which were built in 1949 to Diagram 1/270. However, the wagon chosen by Bachmann is the much more numerous Diagram 1/271 type (see below), of which 570 were built in nine batches up to 1959. Rather than riveted bodies, these wagons were of welded construction and the 'T' section side stanchions did not continue over the curved roof, although they retained a similar specification and appearance.

Initially, all wagons were unfitted with oil axleboxes and painted grey, but the final two batches built in the late-1950s gained a through vacuum pipe, Oleo buffers, rolling bearing axleboxes and BR bauxite livery; the latter usually reserved for wagons fitted with automatic vacuum brakes (AVB).

Bachmann is offering an earlier version in unfitted BR grey with pre-1964 markings with oil 'boxes, a later grey wagon with 1970s TOPS data panel and a BR bauxite model with post-1964 style markings. Both the latter models have roller bearing axleboxes and Oleo buffers. Decoration across all three versions is neat and accurate, based on contemporary photographs of the prototype.

As with the truly excellent 'Presflo' and 'Covhop', the overall shape and detail has been well captured. The two prominent loading hatches on the roof are neatly moulded and include a tiny wire grab handle on each. Other separately fitted parts include the end ladders, which are as slender as could reasonably be expected in plastic. Etched metal ladders would have given a superior visual effect but would also have increased the price of the model.

One other visual compromise concerns the angled outer stanchions on each side, which have a fillet of plastic strengthening the area under the hopper body. To most, it won't be an issue, but it could be filed out or replaced with a finer piece of brass section if required.

Underframe and running gear detail is very impressive, with separate handbrake levers and hopper door wheel, footsteps and turned metal buffers. With a reasonable amount of weight and free running metal wheels/axles we found the hoppers to be steady

and reliable when running in a mixed goods train.

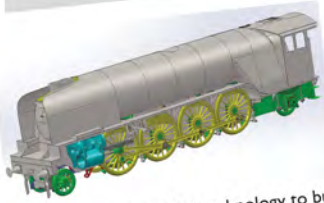
Once again though, the price will be an issue for some; although the RRP of £22.95 reflects the complexity of the design, the number of components required and the various detail variations worked into the tooling. Dapol's 20t grain hopper, which can trace its origins back to a 1958 Hornby-Dublo model, is half the price, but is flawed and mounted on a generic chassis. Bachmann's wagon gives modellers the option of a more detailed vehicle built to 21st century standards.

It's a very good model of a useful, long-lived and widely seen prototype that can easily be personalised with interesting loads, weathering and extra decoration. It should also appeal to a broad section of the modelling community, from 1950s rural branch lines in East Anglia and Scotland to the industrial north of England in the 1980s and many points between. Recommended.



FACT FILE

- ▶ **MANUFACTURER** Bachmann Europe
- ▶ **MODEL** 38-602 BR bauxite 20t Grain hopper wagon B885645
- ▶ **PRICE** RRP £22.95
- ▶ **SUPPLIER** Bachmann stockists
- ▶ **WORDS** Ben Jones



Using the latest 3D CAD technology to build Britain's most powerful steam locomotive.



Frames erected and all major castings manufactured.



All 20 wheels now cast and being machined.



No. 2007's nameplate next to Tornado, the one we built earlier.



2007 PRINCE OF WALES
Building Britain's Most Powerful Steam Locomotive

Follow us



£1.7m pledged in just over a year!

Be a part of something amazing.

Building Britain's most powerful steam locomotive

There are many ways in which YOU could help make this Gresley class P2 a reality sooner rather than later. Become a regular covenantor, sponsor a part and/or join The Boiler Club. To find out more visit www.p2steam.com, email us at enquiries@p2steam.com or call our hotline on 01325 460163.

The P2 Construction Fund, A1SLT, Darlington Locomotive Works, Hopetown Lane, Darlington. DL3 6RQ

ZTC 611

Howard Smith tries the latest development in DCC command units from Taunton Controls.

The release of a new DCC system doesn't occur that often. So, when a newcomer is unveiled, naturally, it's a chance to not only test it, but see how it differs from the competition. It's sometimes more than just that too - we get to see where this DCC path is leading us, and how our models are likely to be controlled in the future.

The history behind the ZTC brand is an interesting one. It was one of the first companies to introduce DCC to the British market, following on from the introduction of Zero 1. Its current owners under the Taunton Controls brand have persevered with the development of an updated version of the ZTC 511 DCC controller - known as the ZTC 611.

If you didn't know any better you could mistake the ZTC 611 for a previous generation 511, but don't let the similar exterior fool you - what lurks beneath is very different. The electronic internals have been changed and upgraded to bring it up-to-date.

The software is easy to upgrade for a start. Unlike other DCC controllers on the market, you don't need to start dismantling it to remove some chip

of 1980s technology, to then send it via the post to someone who can reprogram it and, hopefully, a week later re-install it. The ZTC 611 system is boxed with free software, so you just plug it into your PC, update via the USB port and away you go - so much easier.

So, the wiring has been changed, but have the externals? In a word, no - and they didn't really need to. The saying 'if it ain't broke, don't fix it' seems quite appropriate as over 7,500 ZTC 511 units were sold, not just in the UK but to customers worldwide. Those who continue to use them do so as they are different from the rest.

The ZTC approach to DCC is not just about pushing buttons or touching screens, but about making the whole experience of controlling a locomotive more hands-on and engaging. You'll note this with the regulator, reverser and brake lever - similar in style to a real steam locomotive. If you don't apply the brakes at the right time you might overshoot the platform. It certainly keeps you on your toes when driving and adds realism to railway

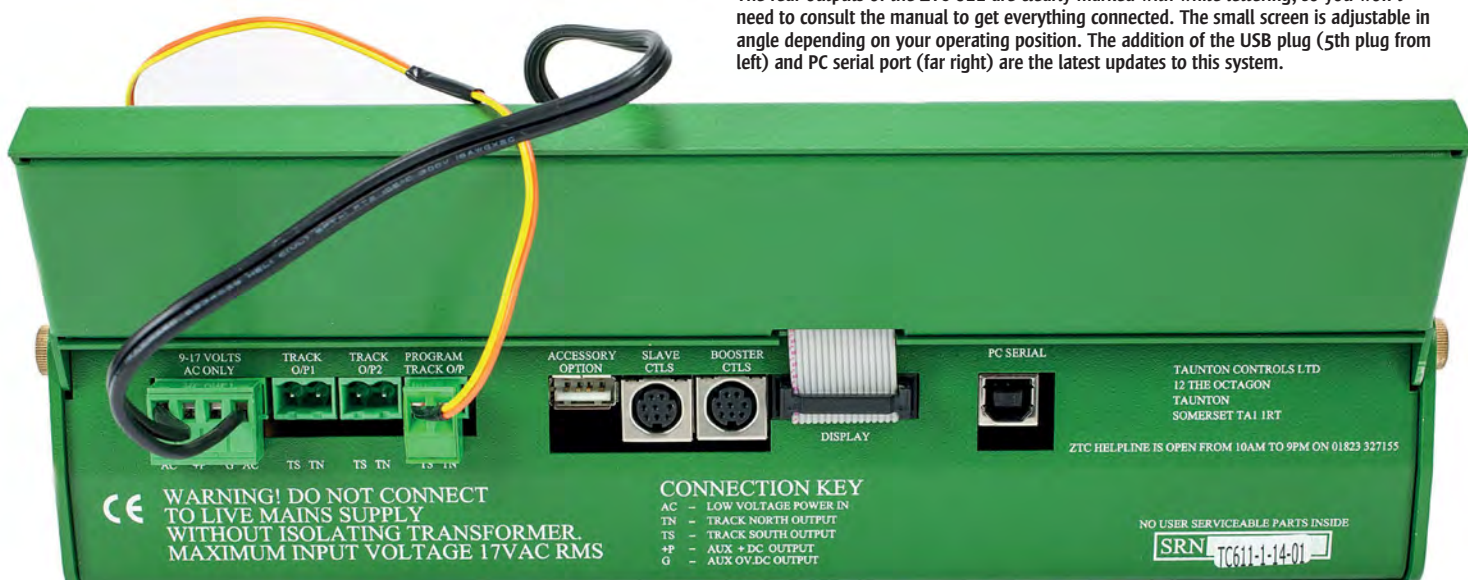
control. There are inevitably some buttons on the controller, but they aren't so small that you might miss one and press an adjacent button by accident.

The 611's control layout is spacious and gives you room to move around. Depending on the size of your layout though, its dimensions might also work against it - it might not be so easy to locate on a small layout control panel, not just because of its

width at over 30cm (12") but its weight of around 1kg (2.2lbs).

If you have a layout where users run both DC and DCC locomotives, the system can accommodate both - and not just by selecting address 0 by default. The ZTC 611 is also a true DC controller. When the DCC mode is turned off, users can operate conventional DC powered locomotives as they would do with any other DC

The rear outputs of the ZTC 611 are clearly marked with white lettering, so you won't need to consult the manual to get everything connected. The small screen is adjustable in angle depending on your operating position. The addition of the USB plug (5th plug from left) and PC serial port (far right) are the latest updates to this system.



WATCH

The ZTC 611 in action on this month's 'BRM TV' DVD.

IN BRIEF

The ZTC 611 is an evolution of the previous 511 and continues using the same brand philosophy - it has everything you'd expect from a modern DCC controller and is probably more suited to larger complex layouts to really justify itself. Whilst the price is hefty, remember that you're investing in both a DCC and true DC controller. If you already own a ZTC 511, factory-fitted internal upgrades are available for £235 plus P&P.

Whilst this latest offering from ZTC doesn't have fancy infra-red or other wireless connectivity so that you can operate your loft layout from your kitchen (if you really wish), it isn't pretending to be something it isn't.

If you prefer the traditional feel of a controller that puts function over form, then take a look at the ZTC website, or see their advert on page 123. **BRM**

INFORMATION

Price: 611 £470 + p&p (£440 without transformer)

A 12 The Octagon, Taunton, Somerset TA1 1RT

T 01823 327 155

E info@tauntoncontrolsltd.co.uk

W www.tauntoncontrolsltd.co.uk



controller, only this one has the added features of a braking module. Worthwhile for a club layout?

When in DCC mode it has the ability to memorise routes, so if you have 15 points to change in order to get a train from A to B for instance, the press of one button will change them all at once. A little reading of the manual, a bit of trial and error and you'll soon get the hang of how to set up the routes you need.

The 611 controller is every bit as capable of layout control as any other DCC controller. With a maximum 5Amp power output, it also has a 128 locomotive 'roster capacity' and has control of 28 functions per decoder, the maximum set under NMRA standards. It even has room to further expand if necessary. As a default, 128 speed steps ensure smooth control.

To the rear of the unit, two track outputs allow you to section your layout with ease if you wish. Even the programming output has a power boost for those Amp munching sound decoders. Not bad.

Included in the price is a transformer (the ZTC 562 for N gauge, or 560 for OO and larger scales), a CD containing the software and a 'quick start guide'. The latter is designed to get you going with the system in a few

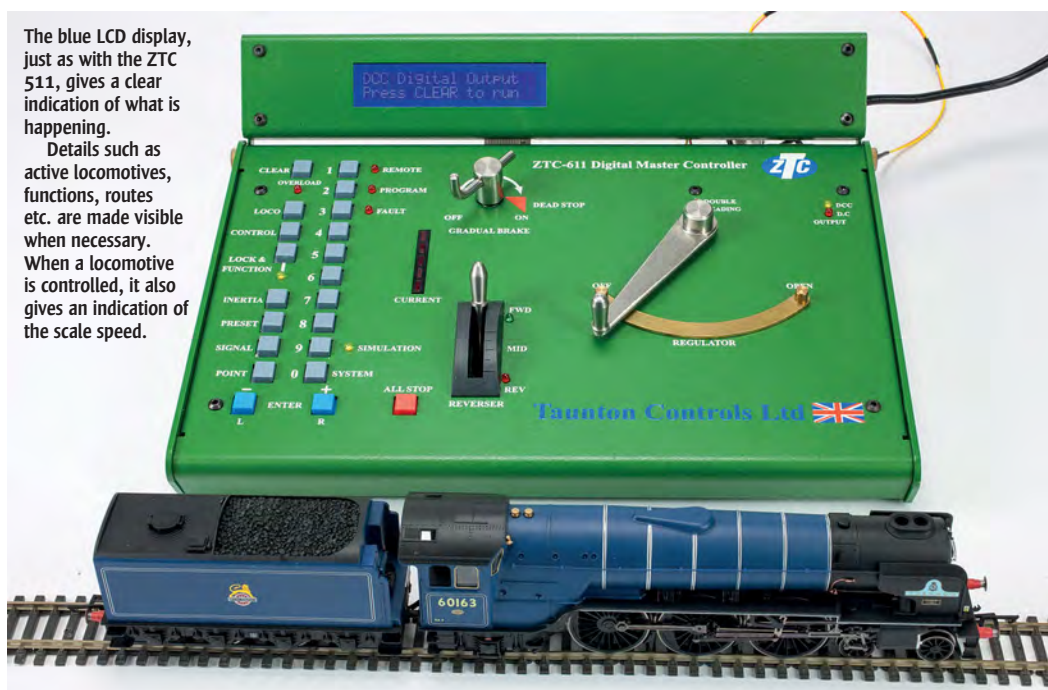
minutes and hopefully discover its full potential as you go along.

After-sales and customer support often go unnoticed, but when you have a new system to familiarise yourself with it's handy to know that if there is

a problem or something you need to know about the system, a ZTC helpline is open from 0900-2100, six days a week. You could also consider signing up to the ZTC Owners Club and receive updates about systems and releases.

The blue LCD display, just as with the ZTC 511, gives a clear indication of what is happening.

Details such as active locomotives, functions, routes etc. are made visible when necessary. When a locomotive is controlled, it also gives an indication of the scale speed.



TRIED & TESTED

DCC CONCEPTS LEGACY POINT KIT



A completed Legacy turnout and brass roller gauge (foreground).

Phil Parker tries the first of a new line of pointwork and track products from the Australian supplier.

TOOLS FOR THE JOB

- Soldering iron and stand
- 6" or longer file
- Rail cutters
- Pliers
- Flat, pointed, needle file
- Track gauges

SHOPPING LIST

- DCC Concepts: Sleepers, two yards of stainless steel rail, Sapphire 179 solder
- W www.gaugemaster.com and stockists nationwide, see www.dccconcepts.com
- T 01903 884321
- Brass pins
- W www.eileensemporium.com
- Powerflow flux
- DIY and hardware stores

Building your own track is one of those jobs that - at first - appears to be some sort of black art. There are arcane terms to master, special gauges are needed and when things don't go right, the builder often incants strong words at their workbench!

Despite this, trackbuilding can be fascinating and very satisfying. For a start, it's often cheaper than buying ready to lay. More importantly, you can have the track you want, not what someone has decided to manufacture.

The easiest way to start is with rail soldered to printed circuit board (PCB) sleepers. Soldered joints can be made and unmade quickly and easily so the builder can adjust the position of each rail if things aren't running properly. Every layout I've built this way has involved several hours of tweaking to

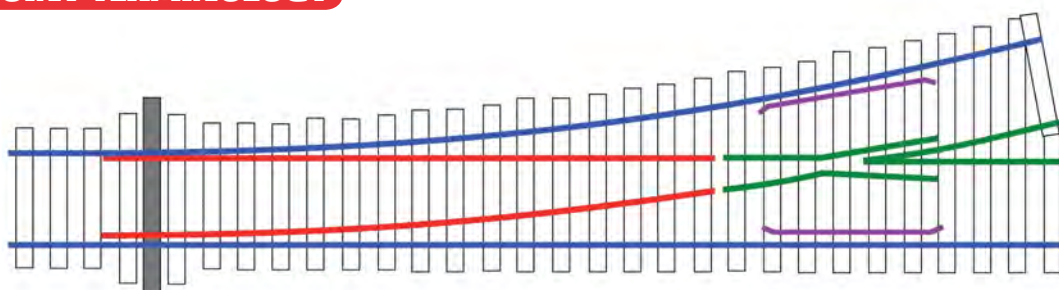
achieve smooth running.

Traditionally, the materials used are copper-clad strip which has to be cut to length for the sleepers and then some of the copper cut away to insulate the opposing rails. DCCconcepts has developed this with sleepers supplied at the correct length and with tinned pads only where the rail is to be fixed, saving time and making the wiring process easier.

Another first is the use of stainless steel rail. Normally we use nickel-silver which isn't the right colour for real trackwork and is easily tarnished, contributing towards conductivity and adhesion problems.

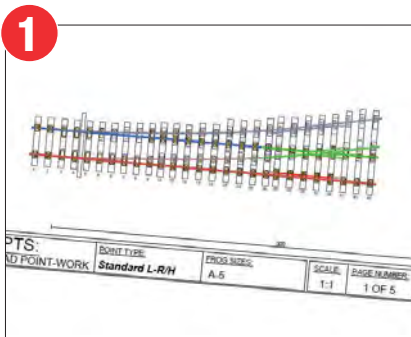
PCB track isn't perfect; there's no representation of rail chairs and the rail isn't raised above the sleepers but it is the easiest way into track building and when your first wagon glides through a point after a couple of hours work, it's great fun. **BRM**

POINT TERMINOLOGY

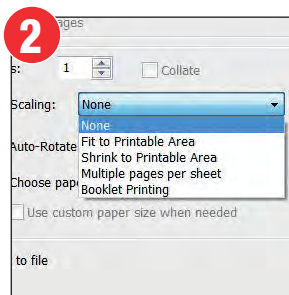


- Stock Rails
- Switch Rails
- Frog/Crossing
- Check Rails
- Tiebar

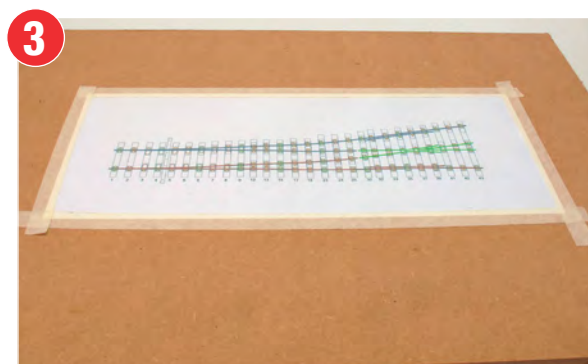
STEP-BY-STEP GUIDE



Plans for points can be downloaded from the DCCconcepts website. If you prefer to plan using Templot software, this can also be used as a guide.



The DCC plans must be printed out with the page scaling set to 100%. If you let the computer print the entire page, including the borders, the plans are too small.



Once the plan is selected, it should be taped down to a flat piece of board. An off-cut of thick MDF is ideal for this.



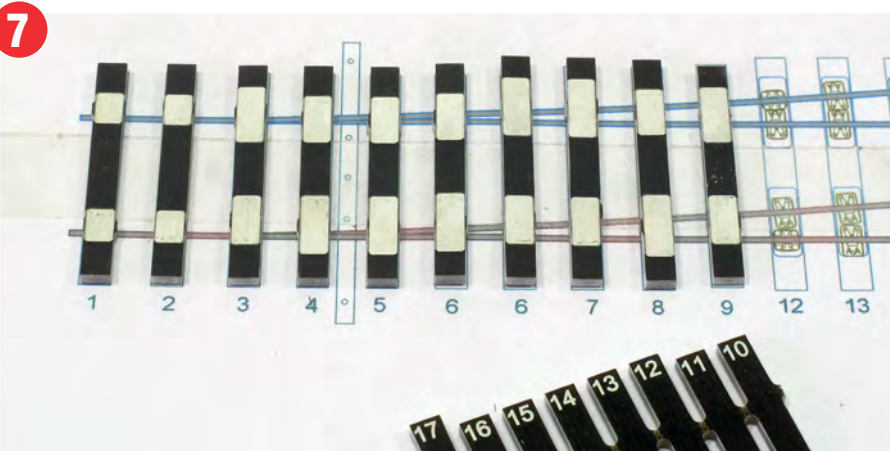
The sleepers are etched from circuit board with metal pads to which the rail is soldered. These are tinned with solder to make life easier. Extra solder and a 'No Clean Up' flux is also available in the range.



As the rail is stainless steel, it needs a powerful soldering iron if you're using it with the 'No Clean Up' flux. Smaller 18-45W irons won't be up to the job - 50W or greater is recommended. My trusty 45W Antex couldn't make the solder flow properly until I switched to Powerflow flux, available from DIY stores.



Although the lines for rail to follow are marked on the plan, these aren't accurate enough and so a set of gauges is essential. These are a one-off purchase as you'll use them for all the track on your layout to ensure consistency.



Work starts by setting out the sleepers on the plan. A strip of double-sided sticky tape down the centre line is perfect as it holds firmly but can be peeled away once the point is built. Numbers are printed on the back of each sleeper and should coincide with the numbers on the plan. Note that not all the sleepers are used for all the points.



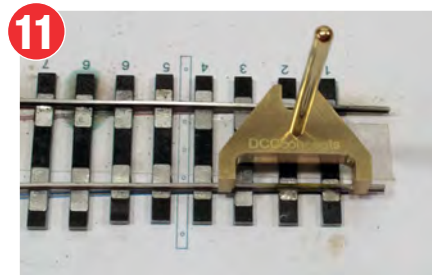
Once the sleepers are fixed, make sure that the ends form a neat line. Here, an extra No. 6 has been put in where there should be a No. 9.



The first rail fixed in place is the straight stock rail. Tack this to about 30% of the sleepers initially and keep checking it is straight. A length of wood is handy, as are lolly sticks for holding metal as it's heated up. Making a joint involves placing a blob of flux on the joint and then bringing a small amount of solder to it using the tip of the iron.



Once you're happy with the position, solder all the sleepers to the rail to strengthen the assembly.

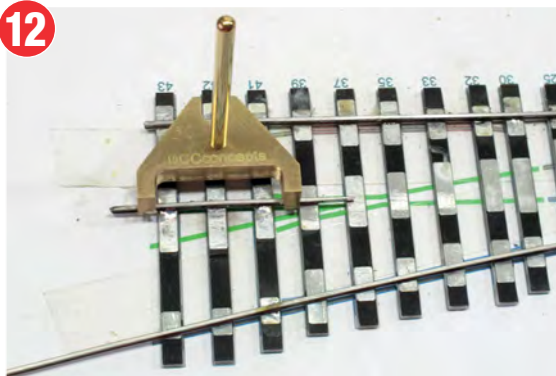


I like to add the curved rail in next but only tack it in to position for most of its run. Only the sleepers before the tiebar can be fixed at this stage, using a track gauge to hold the rail in place.



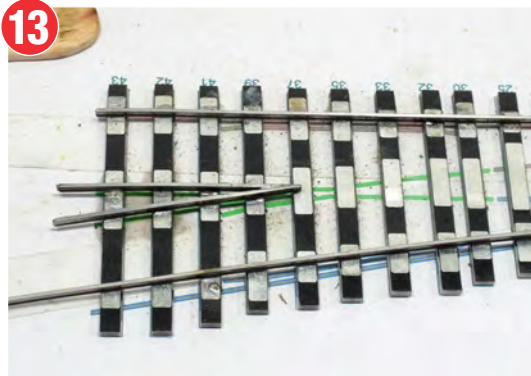
STEP-BY-STEP GUIDE

12



Left File a length of rail on one side to produce a chamfered end. This is the straight half of the frog. Time spent getting a nice sharp point will pay dividends with improved running later.

13



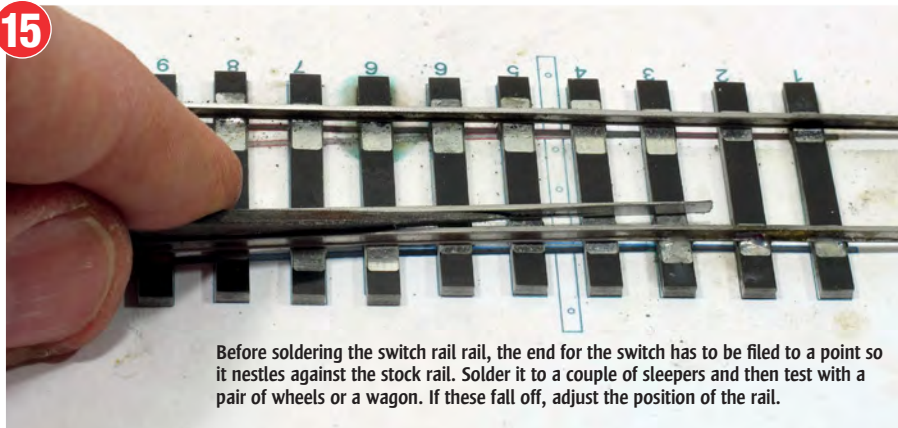
Right The other half of the front is put in next using the plan as a guide. Now you can set the curved rail properly using roller gauges.

14



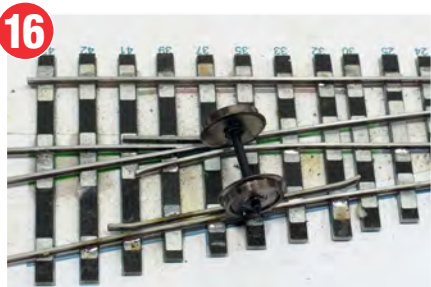
The straight switch rail is cut and bent to shape.

15



Before soldering the switch rail rail, the end for the switch has to be filed to a point so it nestles against the stock rail. Solder it to a couple of sleepers and then test with a pair of wheels or a wagon. If these fall off, adjust the position of the rail.

16



Repeat with the curved switch rail and put the curved check rails in place. Use roller gauges to set them the correct distance from the curved stock rail. Test often and don't be satisfied until everything runs properly. It takes a while but the experienced gained will help in future.

17



The tiebar has a couple of holes etched in to it. Brass pins placed in these will act as pivots for the switch blades.

18



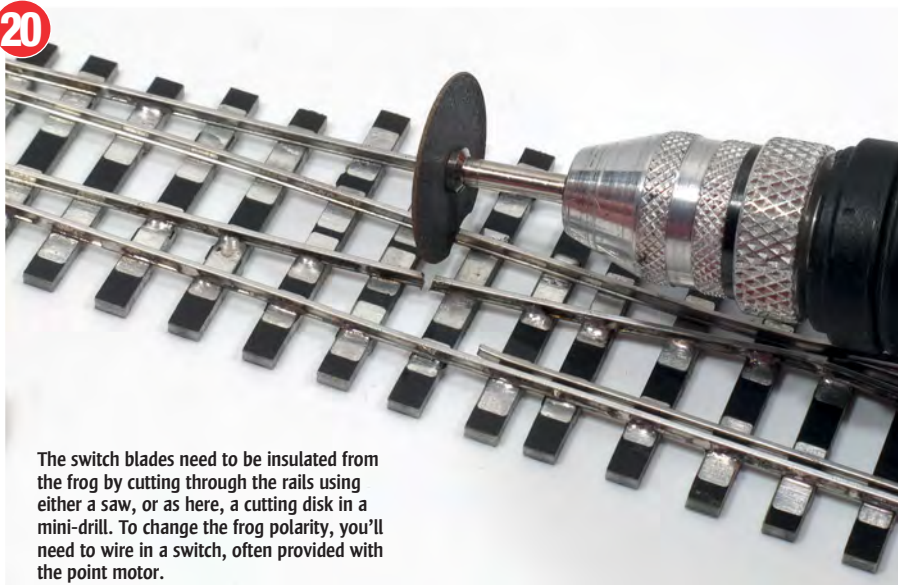
Solder the switch blades to the pins and then file away as much of them as you can so that wheels flanges don't bump on them. When everything is working, solder all the joints

19



Once work is complete, all the solder must be cleaned away or it will eat in to the joints. I find a scrub with Homecare 'Hob Brite' or 'Shiny Sinks' and an old toothbrush does the job. If sleepers are disturbed, re-solder the joints, don't worry, this happens to everyone but at this stage it's easy to fix.

20



The switch blades need to be insulated from the frog by cutting through the rails using either a saw, or as here, a cutting disk in a mini-drill. To change the frog polarity, you'll need to wire in a switch, often provided with the point motor.

BRM

NEXT MONTH

**ON SALE
MAY 9TH!**

**FREE DVD
FOR EVERY
READER!***

**Worth
£7.99!**

*And yes, that includes all subscription, newsstand and digital edition copies, both UK and overseas!

UP THE LINE

Interest in military field railways has increased greatly as Britain marks the centenary of the First World War. This highly-detailed O16.5 gauge layout recalls life in the devastated landscape behind the front line.



PLUS Dunkow Road (N) and Tates Railway (OO)

BRM SPECIAL NEW PRODUCTS 2015/16

Your essential round-up of new products for 2015/16 - who's doing what and when, what might be next, new scenics and accessories and much more!



+ MAKE THE MOST OF SECOND-HAND ROLLING STOCK > SUPER-DETAIL A HORNBY K1 > IMPROVING PLASTIC BUILDING KITS > DCC SOUND FOR AN N GAUGE CLASS 25



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
Or, fax them on
01778 425437

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 June issue is April 8.

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

SATURDAY APRIL 11

East Surrey N-Gauge Group 17th Annual Model Railway Exhibition, St Joseph's Catholic Primary School, Linkfield Lane, Redhill, Surrey RH1 1DU **Saturday:** 10.00am - 4.00pm **Tel:** 01737 764217 **Email:** bart.hyd@gmail.com **Web:** www.esng.co.uk

John Keble Church Model Railway Exhibition John Keble Church Hall, Church Close, Off Deans Lane, Edgeware HA89NS **Saturday:** 10.30am - 4.30pm

Model Railway Exhibition Church Stretton School, Shrewsbury Road, Church Stretton, Shropshire SY6 6EX **Saturday:** 10.00am - 4.00pm **Tel:** 01694 722189 **Email:** chrisrochelle5@aol.com

Norwich MRC Exhibition, Hellesdon High School, Middletons Lane, Hellesdon, Norfolk NR65SB **Saturday:** 10.00am - 4.30pm **Tel:** 01362 820174 **Email:** tsd24@btinternet.com **Web:** www.norhams.org.uk

Shirehampton Model Railway Club Exhibition The Public Hall, Station Road, Shirehampton, Bristol BS11 9TX **Saturday:** 10.00am - 4.30pm **Tel:** 0117 9094915

Tring and District MRC Beacon-Rail 2015 Pitstone Memorial Hall, Vicarage Road, Pitstone, Buckinghamshire LU7 9EY **Saturday:** 10.30am - 4.30pm **Tel:** 01442 824350 **Web:** www.tdmrc.co.uk

SATURDAY APRIL 11 TO SUNDAY APRIL 12

Beamish Model Tramway Exhibition Beamish The Living Museum of the North, Durham DH9 0RG **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 5.00pm **Tel:** 0191 370 4000

Bentley Model Railway Group Exhibition Trainwest 2015 The Christie Miller Sports Centre, Lancaster Road, Bowerhill, Melksham, Wiltshire SN12 6QU **Saturday:** 10.00am - 5.30pm **Sunday:** 10.00am - 4.30pm **Tel:** 01249 657283/01225 702826 **Email:** trainwest@railnet.freemove.co.uk **Web:** www.trainwest.org.uk

Cheltenham Model Railway Group Exhibition St Margaret's Hall, Coniston

Road, Off Windermere Road, Cheltenham, Gloucestershire GL51 3NU **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 4.30pm **Tel:** 01242 517788 **Web:** www.chelmsfordmodelrailwayclub.org.uk

North Down Model Railway Society Exhibition Bangor Grammar School, Gransha Road, Bangor BT19 7QU **Saturday:** 10.00am - 5.00pm **Sunday:** 1.00pm - 5.00pm

Crawley Model Railway Society, Tanbridge House School, Guildford Road (A281), Horsham, West Sussex RH12 1SR **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 4.30pm **Tel:** 07411 353757 **Email:** peterselly48@gmail.com **Web:** www.crawleymrs.org.uk

Rochdale Model Railway Group Exhibition Littleborough Coach House, Lodge Street, Littleborough, Lancashire OL15 9AE **Saturday:** 10.00am - 4.30pm **Sunday:** 10.00am - 4.30pm **Tel:** 01629 57034 **Web:** www.rmrg.co.uk

Tame Valley Scout Council - Rail Road 2015 Astley High Sports College, Yew Tree Lane, Dinfield, Gtr. Manchester SK16 5BL **Saturday:** 10.00am - 5.30pm **Sunday:** 10.00am - 4.30pm **Tel:** 07719 259638 **Email:** superscout@sky.com **Web:** www.scoutbase.org.uk

SATURDAY APRIL 18
31A (Cambridge) MRC, Cambridge Model Railway Exhibition, Sawston Village College New Road, Sawston, Cambridge, Cambridgeshire CB22 3BP **Saturday:** 10.00am - 4.00pm **Tel:** 01284 700219 **Email:** modelrail.club31a@ntlworld.com **Web:** www.cambridge31a-mrc.org.uk

Gloucester Model Railway Show 2015 Old Mill Hall, Gorge, Wantage, Oxfordshire OX12 7LB **Saturday:** 10.00am - 4.30pm **Tel:** 01452 770447

Luton Model Railway Club Exhibition Christchurch Hall, Bedford Road, Hitchin, Hertfordshire SG5 1HF **Saturday:** 10.30am - 5.00pm **Tel:** 01582 413200 **Web:** www.lutonmodelrailwayclub.org.uk

Maidstone Model Railway Exhibition Loose Primary School, Loose Road, Maidstone, Kent ME15 9UW **Saturday:** 10.00am - 4.30pm **Tel:** 07595 255150 **Email:** info@dakotadibben.co.uk

NEWGOG 2015 The South Wales 0 Gauge Show, Lysaghts Institute, Orb Road, off Corporation Road, Newport, Gwent NP14 0RA **Saturday:** 10.00am - 4.30pm **Tel:** 07896 967526

Rushden Model Railway Exhibition Hope Methodist Church, Rushden Academy, Hayway, Rushden, Northamptonshire NN10 6AG **Saturday:** 10.00am - 4.30pm **Tel:** 01933 400 774

SATURDAY APRIL 18 TO SUNDAY APRIL 19
Maryport Model Clubs' 8th Annual Exhibition Netherhall School, Netherhall, Maryport, Cumbria CA15 6NT **Saturday:** 10.00am - 4.30pm **Sunday:** 10.00am - 4.00pm **Tel:** 01900 813 661

Scalefour North Exhibition Stoke Mandeville Stadium, Harvey Road, Aylesbury, Buckinghamshire HP21 9PP **Saturday:** 10.00am **Sunday:** 10.00am **Email:** marketing@scalefour.org.uk

Bingham Model Railway Club Cotgrave Welfare, Woodview, Cotgrave, Nottinghamshire NG12 3PJ **Saturday:** 10.30am - 5.00pm **Sunday:** 10.30am - 4.30pm **Tel:** 01949 851311 **Email:** stanathideaway@gmail.com **Web:** www.bingham-model-rail.co.uk

Wimborne Railway Society WIMRAIL 2015 Queen Elizabeth's School, Blandford Road, Wimborne, Dorset BH21 4DT **Saturday:** 10.30am - 5.00pm **Sunday:** 10.30am - 4.30pm **Tel:** 01202 673246 **Web:** www.wimrail.org.uk

SATURDAY APRIL 25
Horsham Model Railway Club Exhibition St Leonards Church Hall, Cambridge Rd, Horsham, West Sussex RH13 5ED **Saturday:** 10.00am - 4.00pm **Web:** www.horshammrc.org.uk

Trix Enthusiasts Club Bristol Model Rail Show Eden Grove Methodist Church Hall Horfield, Bristol BS7 0PQ **Saturday:** 10.00am - 4.00pm **Tel:** 01934 838229 **Email:** miss_use@tiscali.co.uk

De Havilland Model Railway Society Exhibition Ludwick Way Methodist Church Ludwick Way, (by Woodhall Parade), Welwyn Garden City, Hertfordshire AL7 3PN **Saturday:** 10.00am - 5.00pm **Tel:** 01707 267541 **Email:** phile_b51@yahoo.co.uk **Web:** www.dhmrs.weebly.com



-THE GCR- **MODEL EVENT**

MODEL RAILWAY & ENGINEERING EXHIBITION

In conjunction with The Soar Valley Model Railway Club

Fri 19th to Sun 21st June 2015
Over 60 Layouts

Across all 4 stations along the GCR

All gauges/scales

40 plus traders

60 plus layouts

10 demo layouts

Engineering

Travel on the real thing between stations

Get up close to life sized exhibits

Refreshments available at all stations

Tickets: £15

Includes all day travel &
entrance to all exhibition venues

Book online at www.gcrailway.co.uk

OPEN

10AM - 5PM Friday & Saturday

10AM-4PM Sunday

Great Central Railway Plc,
LE11 1RW
T: +44(0)1509 632323
www.gcrailway.co.uk
email: mre@gcrailway.co.uk



EVENT DIARY

Rotary Club of Fareham Rotarail 2015
Fareham College, Bishopfield Road, Fareham,
Hampshire PO14 1NH **Saturday:** 10.30am -
5.00pm **Tel:** 01329 663685 **Email:** mazchris@
tiscali.co.uk **Web:** www.rotarail2015.webs.com

SATURDAY APRIL 25 TO SUNDAY APRIL 26
Epsom and Ewell MRC The Epsom Show
North East Surrey College of Technology,
(NESCOT), Reigate Road, Ewell, Surrey KT17 3DS
Saturday: 10.00am - 5.30pm **Sunday:**
10.00am - 5.00pm **Tel:** 01483 576 274 **Web:**
www.eemrc.org.uk

Helston & Falmouth Model Railway Club
A Spring Model Railway Show in Cornwall
The Old Cattle Market Centre, Porthleven Road,
Helston, Cornwall TR13 0SR **Saturday:** 10.00am
- 5.00pm **Sunday:** 10.00am - 4.00pm

Ilford & West Essex MRC - West Essex
Modelrail 2015 St. Edwards School, London
Road, Romford, Essex RM7 9NX **Saturday:**
10.00am - 5.00pm **Sunday:** 10.00am - 4.00pm
Tel: 01708 442836 **Web:** www.iwemrc.org.uk

Liverpool Model Railway Society Annual
Exhibition 2015 Old Christ Church, Waterloo
Road, Waterloo, Liverpool L22 1RF **Saturday:**
10.00am - 5.00pm **Sunday:** 10.00am - 4.30pm
Tel: 0151 526 1574 **Web:** www.lmrs.org.uk

Sutton Coldfield Railway Society Model
Railway Exhibition 2014 Bishop Walsh School
Wylde Green Road, Sutton Coldfield, West
Midlands B76 1QT **Saturday:** 10.00am -
5.00pm **Sunday:** 10.00am - 4.30pm **Web:**
www.modelshops.co.uk/scrs

SUNDAY APRIL 26
Stowmarket Railway Club Exhibition
Mid Suffolk Leisure Centre, Gainsborough
Road, Stowmarket, Suffolk IP14 1LH **Sunday:**
10.30am - 5.00pm **Tel:** 01449 771360 **Email:**
stowmarketclub.org.uk

SATURDAY MAY 2
Diss and District MRC Rickingham Village Hall
and Diss & District Model Railway Society,
Village Hall Hinderclay Road, Rickingham, Norfolk
IP22 1HD **Saturday:** 10.00am - 4.00pm
Tel: 07930 188472

Market Deeping Model Railway Club -
Stamford Show Stamford Welland Academy
Formerly Queen Eleanor School, 1 Green Lane,
Stamford, Lincolnshire PE9 1HE **Saturday:** 10.00am
- 5.00pm **Tel:** 01778 344991 **Email:** peterwilde38@
tiscali.co.uk **Web:** www.mdmrc.org.uk

FRIDAY MAY 1 TO SUNDAY MAY 3
Bristol Model Railway Exhibition 2015
Alveston Hill, Thornbury, Bristol BS3 53J
Friday: 1.00pm - 7.00pm **Saturday:** 10.00am -
7.00pm **Sunday:** 10.00am - 5.00pm **Tel:** 01179
763 329 **Web:** www.bristolmodrail.co.uk

SATURDAY MAY 2 TO SUNDAY MAY 3
Cleckheaton Model Railway Exhibition
Whitcliff Mount Sports Centre, Turnstead Avenue,
Cleckheaton BD19 3AQ **Saturday:** 10.00am
- 5.00pm **Sunday:** 10.00am - 4.00pm **Tel:**
01274 698861 **Email:** show.bradfordmrc@
gmail.com **Web:** www.bradfordmrc.org.uk

OPEN DAYS

SATURDAY APRIL 18
Hillingdon Railway Modellers - Test Track
Open Day Yiewsley Baptist Church Cornerstone
Centre, 74 Colham Avenue, Yiewsley, Middlesex
UB7 8HF **Saturday:** 10.00am - 4.00pm
Tel: 020 8368 4090
Web: www.hillingdonrailwaymodellers.co.uk

Ipswich Railway Modellers Association
Open Day 40a Norfolk Road, Ipswich, Suffolk
IP4 2HB **Saturday:** 10.00am - 1.00pm
Tel: 01473 742787 **Email:**
geoffrey.pickering38@btinternet.com
Web: www.irma.co.uk

SUNDAY APRIL 19
Chichester Model Engineers - Steam on
Sunday Blackberry Lane, off Bognor Road,

Chichester (East), West Sussex PO19 2FS
Sunday: 14.00 - 17.00 **Tel:** 07954 051594
Email: benguilden@gmail.com

SATURDAY APRIL 25
Coventry and Warwickshire 7mm
Modellers (COVGOG) Church of the Holy
Cross, St Austell Road, Coventry CV2 5EA
Saturday: 10.00am - 4.00pm
Tel: 02476 313221

SUNDAY MAY 3
Cleveland Model Railway Exhibition
Unit 2, The B-Hive, Skelton Industrial Estate,
Skelton, Cleveland TS12 2LQ **Sunday:**
10.00am - 4.00pm **Tel:** 07864 880242
Email: enquiries@cleveland-mrc.org.uk
Web: www.cleveland-mrc.org.uk

SATURDAY MAY 2 TO MONDAY MAY 4
Barley Vill Hall 22nd Model Exhibition
Barley Village Hall, Barley, Burnley, Lancashire
BB12 9JU **Saturday:** 12.00noon - 5.00pm
Sunday: 10.00am - 5.00pm **Monday:**
10.00am - 4.00pm **Tel:** 01282 691850
Email: chriswiddas@gmail.com
Web: www.barleyvillagehall.co.uk

SATURDAY MAY 9
ALSRM 2015 Reading Exhibition
Rivermead, Reading RG1 8EQ **Saturday:**
10.00am - 4.30pm **Tel:** 01953 850 800
Web: www.alsrm.org.uk

SATURDAY MAY 9 TO SUNDAY MAY 10
Mickleover MRG - Annual Exhibition
The Roundhouse, Roundhouse Road, Pride
Park, Derby, DE24 8JE **Saturday:** 10.30am
- 5.30pm **Sunday:** 10.00am - 4.30pm **Tel:**
01274 698861 **Email:** derbyexhibition@
mmrg.org.uk **Web:** www.mmrg.org.uk

FRIDAY MAY 22 TO SATURDAY MAY 23
First Bangor Model Exhibition
Presbyterian Church Halls, Main Street,
Bangor BT20 4AG **Friday:** 7.00pm -
9.30pm **Saturday:** 10.00am - 5.00pm **Tel:**
02891 467891

Outstanding layouts. Quality manufacturers and trade.
All in one massive 20,000 square foot venue.

RAILEX 2015

MODEL RAILWAY EXHIBITION

STOKE MANDEVILLE STADIUM, AYLESBURY, BUCKS SATURDAY 23rd & SUNDAY 24th MAY

Layouts include: 82G Templecombe Road Shed, Black Country Blues, Aberbeeg, Corris,
Loch Tat, Frecclesham, Ballyconnell Road & Warren Lane plus others.



82G Templecombe Road Shed,
By Warrley MRC 82G Group
Photograph by Tony Wright, Courtesy of British Railway Modelling



Aberbeeg By Simon Thompson
Photograph by Craig Tiley, Courtesy of Railway Modeller



Frecclesham
By Newport Model Railway Society
Photograph by Craig Tiley
Courtesy of Railway Modeller

Traders include: 247 Developments, Alan Gibson, ALL Components, AMBIS Engineering, C&L Finescale Modelling Ltd, Ceynix Railway Trees, Cheltenham Model Centre, Cooper Craft, Dart Casting, D&E Videos - Realtrack Models, Dragon Models, Eileen's Emporium, Extreme Etchings / Shawplan, Golden Arrow Productions, Gramodels, Green Scene, High Level, Hobby Holidays, Ian's Trains, Isinglass Models, Judith Edge Kits, Lionheart Trains, London Road Models, M.A.R.C. Models / Electrifying Trains, Model Railways Development, N Brass Locos, Parkside Dundas, PenBits Model Railways, Plus Daughters, Priory Books, Quainton Road Models, Radley Models, Replica Railways, Road Transport Images, Roger Carpenter, Roxey Mouldings, Rural Railways, South Eastern Finescale, Sunningwell Command Control, Tools 2000, Wild Swan Books and Wizard Models.

FREE VINTAGE BUS FROM AYLESBURY RAILWAY STATION - FULL DISABLED ACCESS - FREE ON-SITE PARKING

Admission: SATURDAY 10:30 - 17:30, SUNDAY 10:00 - 17:00, Adults £8.00, Children £5.00

Stoke Mandeville Stadium, Stadium Approach, Aylesbury, Bucks, HP21 9PP

Organised by: Risborough & District Model Railway Club. Further details at: www.railex.org.uk

DERBY 2015 MODEL RAILWAY EXHIBITION

9th & 10th May
The Roundhouse
DERBY

The Roundhouse was the Midland Railway's locomotive workshops built in 1839. Now Grade II* listed, it has been fully restored and is a modern events venue. This means the exhibition will be held in a true railway location!

Over 65 displays, layouts and trade stands. Quality British, American and Continental outline modelling on display in all scales. Layouts due to appear at this year's exhibition will include:

Aberdeen Kirkhill, Ahrtalzwiebrück, Alstone Quay, Avonlea, Avyn-A-Llyn, Crinan, Cromer, Dawes Creek, Eisengebrau, Erdinger, Florida Springs Engine Terminal, Grimdyke, Hampshire Hills, Heath Green, Helm, High Stanley, Idridgehay, Lagganmoor, Longnor, Ludwigs Werk, Middle Elmtan, Millfield Yard, Oxford Road, Ranelagh Bridge, Tiphm, Titheridge Junction, Warner Street, Werrington Road and Westbrook.

Subject to change and availability.

The Roundhouse
Roundhouse Road,
Pride Park, Derby, DE24 8JE

OPEN
Saturday
10.30 - 17.30
Sunday
10.00 - 16.30

For
further
details visit:
www.mmrg.org.uk

Admission
Adults: £7
Children:
FREE*

IT'S
GOING
ROUND!

Supported by:
RAILWAY
MODELLER
PECO
CONTINENTAL
MODELLER

* Under 14 years
old with an
accompanying
paying adult

Organised by
Mickleover
Model Railway
Group

Sponsored by
BEACHMANN
EUROPE Plc

Sponsored by
Railwaymania

Supported by
SQUIRES

47th

Bristol Model Railway Exhibition 2015

Sponsored by
BOOK LAW
PUBLICATIONS

Sponsored by
MODEL
CHELtenham
CENTRE

Friday 1st May 1pm - 7pm

Saturday 2nd May 10am - 6.30pm

Sunday 3rd May 10am - 5pm

Advanced ticket Prices

Adults £5.25.

Concessionary £4.25.

Children £3.00

Family (2 Adults with 2 Children £10.50)

Parkway Show bus tickets £3.00 return

(Accompanied Children under 16 travel for free)

Advanced show and bus tickets are available now by post

Bristol Model Railway Exhibition

c/o 15 Mount Pleasant,

Littleham,

Bideford,

Devon

EX39 5HW

Closing date for advanced ticket

applications Friday 24th April 2015

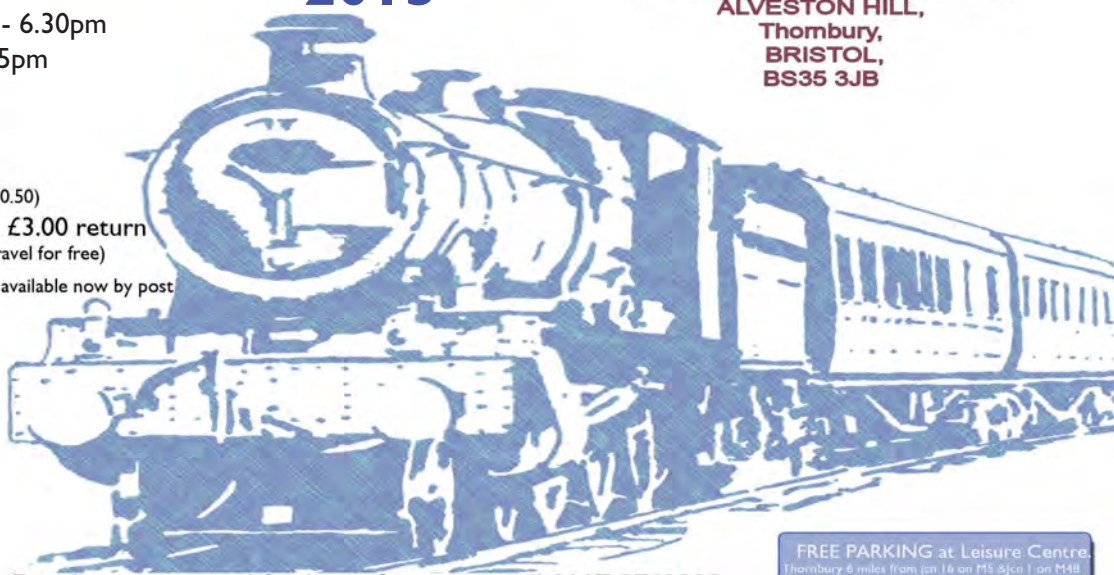
or in person at

Modelmania, Bristol

Cheltenham Model Centre

Lord and Butler, Cardiff

THORNBURY LEISURE CENTRE
ALVESTON HILL,
Thornbury,
BRISTOL,
BS35 3JB



For door prices and further information call 0117 9763329
or check www.bristolmodrailex.co.uk

FREE PARKING at Leisure Centre.
Thornbury 6 miles from (on 16 on M5 & on 1 on M48)
Bus service to & from Bristol Parkway Station.

All parts of the Exhibition accessible to
Wheelchair users.



ASSOCIATION OF MODEL RAILWAY CLUBS, WALES & WEST OF ENGLAND LTD

SATURDAY MAY 23 TO SUNDAY MAY 24

RailEx 2015

Stoke Mandeville Stadium, Harvey Road, Aylesbury HP21 9PP

Saturday: 10.30am - 5.30pm **Sunday:** 10.00am - 5.00pm **Tel:** 01296 437475

Web: www.railEx.org.uk

SATURDAY MAY 30 TO SUNDAY MAY 31

Exeter Exhibition

The Matford Centre, Matford Park Road, Marsh Barton, Exeter EX2 8FD

Saturday: 10.00am - 5.00pm **Sunday:** 10.00am - 4.00pm **Tel:** 01392 421906

Web: www.exemrs.co.uk

TRAIN & TOY FAIRS

SATURDAY APRIL 12

SRP Toy Fairs Rayleigh Swayne Park School Sir Walter Raleigh Drive, Rayleigh, Essex SS6 9BZ

Sunday: 10.00am - 2.00pm **Tel:** 0773998012 / 01322662729 **Email:** srptoy1@hotmail.co.uk

Web: www.srptoyfairs1.co.uk

Tony Oakes Fairs - Kidderminster

Gilt Edge Leisure Centre, Zortech Avenue, Kidderminster, Worcestershire DY11 7DY

Saturday: 10.30am - 2.00pm **Tel:** 01270 652 773

SATURDAY APRIL 18

Tony Oakes Fairs - Chester Northgate Arena Victoria Road, Chester, Cheshire CH2 2AU

Saturday: 10.00am - 3.00pm

Tel: 01270 652 773

SUNDAY APRIL 19

Ashfield Toy & Train Fair Festival Hall

Hodgkinson Road, Kirkby-in-Ashfield, Nottinghamshire NG17 7DJ **Sunday:** 10.00am - 3.00pm **Tel:** 07951 072 790 / 01623 722 511

Email: malctow@hotmail.co.uk

Web: www.tttf.co.uk

SRP Toy Fairs Brighton The Grandstand & Paddock Hall, Brighton Racecourse, Fresh-Field Road, Brighton, East Sussex BN2 9XZ **Tel:** 07739 998 012 / 01322 662 729

Email: srptoy1@hotmail.co.uk

Web: www.srptoyfairs1.co.uk

WEDNESDAY APRIL 22

Hoddesdon Toy & Train Fair Sheredes School, Cock Lane, Hoddesdon, Hertfordshire EN11 9JY

Wednesday: 7.00pm - 9.00pm

Tel: 07866 641 215

SUNDAY APRIL 26

Barry Stockton Train & Toy Fairs - Wirral

Hulme Hall, Wirral, Merseyside CH62 5DH

Tel: 01513 343 362

Web: www.barrystocktonfairs.co.uk

SATURDAY MAY 2

Bluebell Railway Toy & Train Fair

Horsted Keynes Station

Saturday: 10.00am - 4.00pm

Contact: Joe Lock **Tel:** 07866 641 215

SUNDAY MAY 3

Train & Toy Fair Newton Abbot

Racecourse Newton Abbot,

Devon TQ12 3AF

Sunday: 10.00am - 3.00pm

Tel: 01823 480 097 / 07717 278 420

Email: rayaheard66@btinternet.com

SRP Toy Fairs - Worthing Charmandean

Centre Forest Road, Worthing BN14 9HS

Sunday: 10.00am - 2.00pm

Tel: 07739 998 012 / 01322 662 729

Email: srptoy1@hotmail.co.uk

Web: www.srptoyfairs1.co.uk

TUESDAY MAY 5

SRP Toy Fairs - Tonbridge Angel Centre,

Angel Lane, Tonbridge, Kent TN9 1SF

Tuesday: 6.30pm - 8.30pm

Tel: 07739 998 012 / 01322 662 729

Email: srptoy1@hotmail.co.uk

Web: www.srptoyfairs1.co.uk

WEDNESDAY MAY 6

South Croydon Toy & Train Fair

St John's Community Hall, Upper Selsdon

Road, South Croydon CR2 8DD **Wednesday:**

6.30pm - 8.30pm **Tel:** 07866 641215

SATURDAY MAY 9

SRP Toy Fairs - Crowborough

Crowborough Community Centre, Pine Grove,

Crowborough, East Sussex TN6 1FE

Saturday: 10.00am - 2.00pm

Tel: 07739 998012/01322 662729

Email: srptoy1@hotmail.co.uk

Web: www.srptoyfairs1.co.uk

SATURDAY MAY 9

Gateshead Train and Toy Fair

Gateshead International Stadium, Neilson Road,

Gateshead NE10 0EF

Saturday: 10.00am - 3.00pm

Tel: 07504 359955

Email: jim_corr@hotmail.co.uk

MEETINGS & TALKS

MONDAY APRIL 13

Mirfield Railway Thusiasts Society - L&Y

in its Heyday The Navigation Tavern, Station

Road, Mirfield, West Yorkshire WF14 8LG

Monday: 7.30pm **Tel:** 01924 498 451

MONDAY APRIL 27

Nantwich & Market Drayton Railway

Society - Railways of East Germany

King's Head Inn, Shrewsbury Road, Market

Drayton TF9 3EH **Monday:** 8.00pm

Web: www.the-gingerbread-line.co.uk

MONDAY MAY 4

Mirfield Railway Enthusiasts Society -

Selection From His Travels The Navigation

Tavern, Station Road, Mirfield, West Yorkshire

WF14 8LG **Monday:** 7.30pm **Tel:** 01924

498451

WEDNESDAY MAY 6

North London Railway Historical Society

Talk by Allan Sibley Keen House, 4 Calshot

Street, London N1 9DA **Tel:** 01235 511044

Email: optimistic@phonecoop.coop

THURSDAY MAY 7

Lutterworth Railway Society - Glos &

Warws Railway The United Reformed Church,

George Street, Lutterworth, Leicestershire LE17

4EF **Thursday:** 7.30pm **Tel:** 01455 203307

Web: www.lutterworthrailwaysociety.webplus.net



expoEM 2015

A showcase of the best in 4mm modelling

BRACKNELL LEISURE CENTRE

Bagshot Road, Bracknell., Berkshire RG12 9SE

Saturday 16th May 10.30am to 5.30pm

Sunday 17th May 10.00am to 4.30pm

See the best of the best!

Layout winners from past expoEM that have inspired a generation of 4mm modellers including:

Alkham, Propect Wharf, Striven, Wibdenshaw, Westcliff, Grayscroft Mine, Hemyock, Rye Town plus another chance to see the legendary **Leighton Buzzard by the late Rev Peter Denny.**

Whether you model in 00, EM or P4 there will be inspirational layouts, 'show you how' demonstrations by some of our leading modellers, interactive lecture programme and over 40 specialist traders. Plus our very own Trade Stand and members sales.

On-site parking - Catering and licensed bar.

(your ticket is valid for both days)

The event in 2015 not to miss!

2 day visitor ticket £8.00

Accompanied child £2.00

Family ticket £16.00

Members £6.00



Railway Modeller 'Striven'

Within easy reach of both the M3 (junc.3) and M4 (junc.10)



Bracknell Station 3/4mile. Follow the brown signs for Bracknell Leisure Centre **Free Parking at venue.**

For details see **www.emgs.org**

or contact **expoem@emgs.org**



LEVEL ACCESS

Rickingham Model Railway Show

in association with Diss & District Model Railway Society

An Entertainment for Enthusiasts and General Public



17 layouts in a wide range of scales
Select trade support
Specialist Societies

Rickingham Village Hall (IP22 1HD)

Saturday 2nd May 10am — 4pm

Admission £4, accompanied children £1

Ample free parking

Refreshments all day

Disabled access

Children's play area

Enquiries: 07930 188 472 or 01379 643 045



Supporting
**LOSTWITHIEL
TOY FAIR**
Sunday
26th April

**LISKEARD
RAILWAY MODELS**
Station Road, Liskeard, Cornwall PL14 4BX
TEL: 01579 349950
www.liskeardrailwaymodels.co.uk
Email: info@liskeardrailwaymodels.co.uk



FREE E-NEWSLETTERS

Exclusive articles, competitions & offers

Register now at www.model-railways-live.co.uk/register



TOY & COLLECTOR'S FAIR MAY 2ND 2015

10.00am - 4.00pm

Horsted Keynes Station

Railway Artefacts, Model Railway Equipment
and many other goods to be found.

Normal travel fares apply. Horsted Keynes station
admission ticket £3.00 per person from 10.00am.

Discounted Bluebell Bonus tickets are available if
booked at least 8 days in advance of the travel date.

**Enjoy an all day visit with a train ride
as well as the collectors fair.**

Train timetable service two applies
on all three dates above.

See www.bluebell-railway.com

for more details or contact the

Customer Service Team on **01825 720800**

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.**

April 11 - NORWICH Model Railway Ex, Hellesdon High School, Norwich **NR6 5SB**. Sat 10 - 4.30.

April 11/12 - HORSHAM Crawley MRS Exhibition, Tanbridge House School, Farthings Hill, Guildford Rd, Horsham, **RH12 1SR**. Sat/Sun 10-5.

April 11/12 MELKSHAM 2015 Trainwest Model Railway Exhibition, Christie Miller Sports Centre, Bowerhill Industrial Estate, Melksham, Wiltshire, **SN12 6QU**. Sat/Sun 10-5

April 25 LEIGH O SCALE NORTHWEST Leigh Sports Village, Sale Way, Leigh, Lancs. **WN7 4JY**.

April 25/26 - SUTTON COLDFIELD Model Railway Exh, Bishop Walsh School, Wyde Green Rd, Sutton Coldfield, **B76 1QT**. **Plenty of FREE Parking. ** Sat 10 - 5, Sun 10 - 4.30.

April 25/26 - PERTH Scottish Scale Model Show (Scottish IPMS Nationals) Dewars Ice Rink, Perth, **PH2 0TH** Saturday 9 - 5pm, Sunday 10 - 4pm.

May 1/2/3 - THORNBURY Bristol Model Railway Exhibition, Thornbury Leisure Centre, Alveston Hill, Thornbury, near Bristol, **BS35 3JB**. Fri 1-7, Sat 10 - 6.30, Sun 10 - 5.

May 2/3 - SHEPTON MALLET The South West Model Show, Bath and West Showground, Shepton Mallet. **BA4 6QN** Sat 10 - 6, Sun 10 - 5 Attractions include; Model Boats, Planes, Cars, Railways, Static Models

May 9 - PORTSMOUTH Victory Model Rail Exhibition, Admiral Lord Nelson School, Dundas Lane, Portsmouth, **P03 5XT**. 10-4.

May 9 - READING Assoc of Larger Scale Railway Modellers Trade Show & Exhibition, Rivermead Leisure Centre, Reading. **RG1 8EQ**. 10-4.

May 9/10 BARROW-UPON-SOAR, Humphrey Perkins High School, Barrow-Upon-Soar, Nr Loughborough, Leicestershire. **LE12 8JU**. Sat 10 - 5/Sun 10 - 4.

May 16 BOGNOR REGIS South Downs 7mm NGA Group Model Railway Exhib, Felpham Community College, Felpham, Bognor Regis, **PO22 8EL**.

May 16/17 - MIDDLESBOROUGH Model Rail Exhibition, Settlement Community Centre, Union St, Middlesbrough, **TS1 5NQ**. Sat/Sun 10-5.

May 30 - CLECKHEATON GOG Trade Convention & Exhibition, Whitcliffe Sports Centre, Turnsteads Ave, Cleckheaton, W.Yorks. **BD19 3AQ**. 10-4.

June 6/7 - SHILDON, Model Railway Ex, Locomotion Museum, Shildon **DL4 1PQ** Sat/Sun 10-5.

June 6/7 - DONCASTER MODEL BOAT SHOW Doncaster Deaf Trust, Leger Way, Doncaster. **DN2 6AY**. Sat 10-5/Sun 10-4. Free Parking - Camping on Site (Chargeable) & Restaurant

June 6/7 - GLASGOW 'O' Gauge Model Railway Ex, Pollokshaws Burgh Hall, Pollokshaws Road, Glasgow, **G43 1NE**. Sat 10 - 4pm, 11 - 4pm *Plenty of Free Parking - Close to Railway Station*

June 27/28 - PERTH Model Railway Ex, Dewars Ice Rink, Perth, **PH2 0TH**. Sat 10-6, Sun 10-5.

Aug 1/2 - SOUTHWOLD Waveney Valley Model Railway Exhibition, Saint Felix School, Southwold, **IP18 6SD**. Sat 10-5, Sun 10-4.30

Aug 8 - BEXHILL Model Railway Exhibition, St. Richards Catholic College, Ashdown Road, Bexhill-on-Sea, East Sussex, **TN40 1SE** Sat 10 - 5pm

Aug 15/16 - BUTTERLEY Midland Railx 2015 Model Railway Exhibition, The Midland Railway - Butterley Station, Ripley, Derbyshire **DE5 3QZ**. Sat/Sun 10 - 5pm

Aug 22/23 - SKIPTON & DISTRICT RAILWAY SOCIETY Model Railway Ex, Aireville School, Gargrave Road, Skipton, **BD23 1UQ** Sat/Sun 10 - 5 **Note NEW Dates** Plenty of FREE Parking

Sept 5/6 - TELFORD GUILDEX 2015 O Gauge Exhibition & Trade Show, Telford Ex Centre, St. Quentin Gate, Telford, **TF3 4JH**. Sat 10-5, Sun 10-4.

Sept 12/13 - SWINDON Railway Festival STEAM Museum of the Great Western Railway, Fire Fly Ave, Swindon, **SN2 2EY** Sat/Sun 10-5 Tel 01793 466646, Email: steamuseum@swindon.gov.uk

Sept 19/20 - AYR Model Railway Exhibition The Citadel Leisure Centre, Ayr. **KA7 1JB**. *Modern Venue with easy access & FREE car parking. * Saturday 10 - 5 / Sunday 10 - 4

Sept 26/27 HALIFAX Model Railway Exh, North Bridge Leisure Centre, Halifax, **HX1 1XH**. Sat/Sun 10 - 5.

Sept 26/27 WORTHING Model Railway Exhibition, Durrington High School, The Boulevard, Durrington, Worthing, **BN13 1LA** Sat 10 - 4.30 **Enlarged show this year - Extra Hall of Exhibits and layouts**

Oct 3/4 PORTSMOUTH Fareham & District Model Railway Exhibition, Fareham Leisure Centre, Park Lane, Fareham, Hampshire, **P016 7JU**. Saturday 10-5.30, Sunday 10.00 - 16.30. *Note NEW Bigger Venue*

Oct 10/11 ALDERSHOT Farnham Model Railway Club Exhibition, Connaught Leisure Centre, Tongham Road, Aldershot, Hants. **GU12 4AS**. Sat 10-5, Sun 10 - 4.30

Oct 10/11 - SHILDON, Model Railway Ex, Locomotion Museum, Shildon, **DL4 1PQ** Sat/Sun 10-5.

Oct 10/11 - DUNDEE Model Railway & M/Show Sports Centre, Mains Loan, Dundee, **DD4 7AA**

Oct 17/18 CARDIFF Model Railway Show, Ysgol Gyfun Gymraeg, Llandaff North, Cardiff, **CF14 2JL**

Oct 24/25 - ABERDEEN Model Railway Exhibition RGU, Garthdee, Aberdeen, **AB10 7GE** Sat 10-6/Sun 10-4.

Oct 24/25 - 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.

Oct 31/Nov 1 - LEEDS Model Railway Exhibition, The Grammar School, Alwoodley Gates, Harrogate Road, Leeds, **LS17 8GS** Sat/Sun 10 - 5.

Oct 31/Nov 1 - WIMBLEDON Model Railway Show, Carshalton Boys Sports College, Winchcombe Road, Carshalton, Surrey. **Satnav - Cars - SM5 1QS/Pedestrians use SM5 1RW** Sat/Sun 10 - 5.

Nov 7 - HIGH WYCOMBE - WYCRAIL 15 Model Railway Exhibition, Cressex Community School, Cressex Road, High Wycombe Bucks **HP12 4UD**. Sat 10 - 5

Nov 7/8 - TELFORD IPMS SCALE MODEL WORLD 2015 Telford Exhibition Centre, St. Quentin Gate, Telford, **TF3 4JH**, Saturday 10 - 6, Sunday 10 - 4.00 Free Entry for IPMS Members.

Nov 7/8 - BARNSELEY Model Railway Exhibition, Hoyland Leisure Centre, West St, Hoyland, Barnsley, South Yorkshire **S74 9HE**, Sat/Sun 10 - 5. www.barnsleymrc.org.uk

Nov 14/15 SPALDING Model Railway Exhibition, Springfields Event Centre, Camelgate, Spalding, **PE12 6ET**, Sat 10-5, Sun 9.30 - 4.30.

Nov 20 - 22 - WAKEFIELD 53rd Model Railway Exhibition, Thornes Park Athletics Stadium, Horbury Road, Wakefield, **WF2 8TY** Friday (evening 5.30pm - 9pm, Sat 10 - 6pm, Sun 10 - 5pm.

Nov 21 - PORTSMOUTH South Hants Model Rail Exhibition, The Admiral Lord Nelson School, Dundas Lane, Portsmouth, **P03 5XT**. Sat 10.30 - 4.30 **Plenty of Free Parking**

Nov 21/22 - WORKINGTON Model Rail Show, University of Cumbria, Energun Building, Blackwood Rd, Lillyhall Estate, Workington, Cumbria, **CA14 4JW**. Sat 10 - 5, Sun 10 - 4.

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

HORNBY

Friday 17th April 2015
Model Train Sale - Thornaby 10.30am

Featuring a large quantity of OO gauge, including Hornby China, Hornby Railways, Lima plus factory boxed Mainline items from a Palitoy Rep.

Also included is a quantity of N Gauge, G Gauge, Wrenn & Hornby Dublo; plus a large collection of Marklin HO Gauge from a Private Owner collection.



Tel: 01642 750616

e-mail admin@vectis.co.uk

www.vectis.co.uk



OO GAUGE

Fleck Way, Thornaby, Stockton-on-Tees, TS17 9JZ

SUTTON COLDFIELD RAILWAY SOCIETY MODEL RAILWAY EXHIBITION



25th & 26th April 2015

Sat 10.00 – 5.00, Sun 10.00 – 4.30

Bishop Walsh School

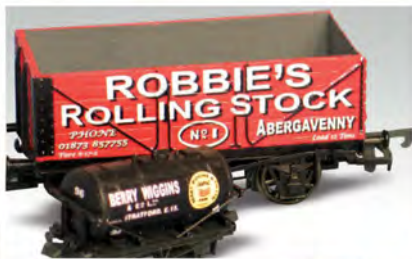
Wylde Green Road, Sutton Coldfield B76 1QT

Accompanied (under 16) children free
Adults £5, Seniors £4

Free parking and full disabled access
15 quality layouts invited, trade support,
audio visual presentation, refreshments,
club second hand stall, societies stands

For further information visit

www.ukmodelshops.co.uk/scrs



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

www.gascupboard.co.uk

MODEL RAILWAYS

GAS CUPBOARD MODELS

There are many stranger hobbies than ours...

#3 Golf

Gas Cupboard Models
6 St Georges Works, Silver Street,
TROWBRIDGE. BA14 8AA

01225 777888

TOWNSTREET

OO

Send £3.90 post free for our 60 page OO catalogue detailing all our other kits.

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**

TOWNSTREET,
6 KIRKILL, BLENARN, PENRITH,
CUMBRIA, CA10 1TZ
www.townstreetuk.co.uk
MON TO FRI 2-8PM 01768 88456
MAIL ORDER ONLY

Trains4U.com

01733 895989 Trains4U@btconnect.com

Peterborough's Model Railway and Slot Car Specialists

HORNBY **HELJAN** **GRAHAM FARISH** **DAPOL** **PECO**

Revell **AIRFIX** **TAMIYA** **ESU** **WILLS KITS** **TCS** **RATIO**

27 St. David's Square, Fengate,
Peterborough PE1 5QA
Open Tues-Sat 9am-5pm, Sun 10am-4pm

AHB SERVICES www.ahbservices.co.uk

Phone: 01508 528488 Fax: 01508 528094

Manufacturers of quality model railway components
Family run business with over 25 years experience

- 4mm & 7mm scale turned brass handrail knobs - short, medium and long £4.50 x25 inc P&P
- 4mm & 7mm scale turned brass door dart handle & spigot - 20 handles & 10 spigots £4.75 inc P&P
- 12BA turned steel crank pin nuts £5.75 x20 inc P&P
- Turned brass pin point bearings £2.40 x40 inc P&P
- Turned brass shim washers, 2mm or 1/8inch bore x 0.25mm, 0.5mm and 1mm thick £3.00 x25 inc P&P
- 4mm & 7mm scale precision ground back to back wheel gauges £3.40 each inc P&P
- 4mm scale turned brass pin point bearings - standard, wasted, flangeless £2.40 x40 inc P&P

Many other items. Discounts given for bulk quantities.
Also metals stocked - brass, mild & stainless steels, aluminium round bars.

**UNIT 6, LANGLEY ROAD TRADING ESTATE,
CHEDGRAVE, NORFOLK, NR14 6HD**

THE RAILWAY CONDUCTOR

MODEL TRAINS & ACCESSORIES

OO GAUGE • N GAUGE • DIECAST • RADIO CONTROLLED • TOYS ETC

NEW SHOP NOW OPEN

UNIT 2, THE OLD DAIRY FARM, CRAFT CENTRE,
UPPER STOWE, NR. WEEDON, NN7 4SH

ebay Visit our ebay shop

- WE DO MAIL ORDER
- WE ACCEPT ALL CARDS AND PAYMENTS

Visit our website: www.therailwayconductor.co.uk
E: jonathan18r@sky.com
T: 01604 830722 M: 07961 757094

YouChoos

DCC Sound

LET'S MAKE SOME NOISE!
...with the biggest range of authentic British sounds on the best decoders

Did you know, we also make lamps, lighting, connectors and lots more?

Seuthe Smoke Lit Buffers Firebox Glow Coach Lighting

Mini Connectors Passengers Stay-Alives Loco Lamps

0844 7725052
www.YouChoos.co.uk john@youchoos.co.uk

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**

R3132	LNER Green 4-6-2 'Book Law' A3 Class Locomotive 2599	£133.95
R3185	South Eastern 'Sir Chris Hoy' Class 395 Javelin Train Pack	£124.50
R3195	BR Grn 4-6-2 Princess Coronation Cl 'City of Liverpool' #46247	£119.95
R3203	BR 4-6-2 'Okehampton' West Country Class - Late BR	£132.95
R3205	BR 4-6-0 'Rood Ashton Hall' 4900 Class	£105.50
R3222	GWR Green 2-8-0 42XX Class Locomotive	£105.50
R3223	BR Black 2-8-0 42XX Class Locomotive	£105.50
R3224	BR Black 2-8-0 52XX Class Locomotive	£105.50
R3225	GWR Green 2-8-2 72XX Class Locomotive	£114.95
R3226	BR Black 2-8-2 72XX Class Locomotive	£114.95
R3227	BR Black 2-8-0 Class O1 Locomotive 63663	£115.50
R3229	BR 4-6-0 'British Monarch' 4000 Class	£119.50
R3231	BR 0-6-0 J15 Class - Early BR	£96.50
R3232	BR 0-6-0 J15 Class Locomotive - Late BR	£96.50
R3233	LNER 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
R3237	GWR 4-6-0 'Caerphilly Castle' Castle Class - NRM	£129.50
R3238	SR 0-6-0T 700 Class Locomotive - 1920s-1930s	£96.50
R3240	BR 0-6-0T 700 Class - Early BR	£96.50
R3241	BR 4-6-2 'City of Bradford' Duchess Class Locomotive 46236	£124.50
R3243A	BR 2-6-0 K1 Class - Late BR Locomotive	£114.50
R3257	BR 2-BIL 2 Car Electric Multiple Unit Train Pack	£114.50
R3259	BR 2-BIL 2 Car Electric Multiple Unit Train Pack - NRM	£113.95
R3261	Network Rail 0-6-0 Class 08 417 Diesel Shunter	£87.50
R3262	DCR A1A-A1A Diesel Class 31452 Locomotive	£142.50
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
R3324	LNER 0-6-0T J50 Class Locomotive	£69.50
R3336	LNER 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
R3344	Network Rail A1A-A1A Diesel Class 31285 Loco	£142.50
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
R3348	EWS Bo-Bo Diesel Electric Class 67 016 Loco	£124.50
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
R3354	Barabel 0-4-0 Sentinel Locomotive	£49.50
R3355	Wabtec 0-4-0 Sentinel Locomotive	£49.50
R3365	East Coast Trains Bo-Bo Electric Class 91 120 Loco	£79.50

BACHMANN**FULL RANGE STOCKED AT BARGAIN PRICES**

30-575	The Railway Children Collectable Train Pack	£110.46
31-003A	Robinson Class 04 6184 LNER Black	
31-029	Class 166 Networker 3 Car DMU #166204 Thames Trains	
31-040	Class 450 4-Car EMU 450073 South West Trains	
31-041	Class 450 4-Car EMU 450127 South West Trains Weathered	
31-061	LNER J72 Class 69001 BR Black Early Emblem	
31-088	3200 (Earl) Class 9028 BR Black Early Emblem	£118.96
31-176	BR Standard Class 4MT #75035 BR Black Late Crest - Weathered	
31-119	LMS Crab 42765 BR Lined Black Early Emblem	
31-214	Patriot Class 4-6-0 'Giggleswick' #45538 BR Green Early Emblem	
31-344	Class 04 #D2332 'Lloyd' NCB Industrial Yellow - Weathered	
31-365	Class 03 #03170 BR Blue Wasp Stripes & Air Tanks - Weathered	
31-441DC	lvatt Class 2MT 2-6-2 Tank #41291 BR Lined Black Late Crest	
31-517DS	Class 158 2 Car DMU #158849 Regional Railways "SOUND"	
31-591	Class 70 70805 Colas (Air Intake Modifications)	
31-614	Class V3 Tank #67609 BR Lined Black Late Crest Cranked Pipes	
31-635	Class 64xx 0-6-0 Pannier Tank #6407 GWR Green	
31-637	Class 64xx 0-6-0 Pannier Tank #6400 BR Lined Green Late Crest	
31-658	Class 47 #47190 'Pectinidae' BR Petroleum Sector - Weathered	£95.95
31-679	Type ALS Electric #E3095 BR Electric Blue Small Yellow Panel	
31-691	LMS Stanier Mogul Class #42969 BR Lined Black Early Emblem	
31-692	LMS Stanier Mogul Class #42968 BR Lined Black L/C (Preserved)	
31-920	H2 Class Atlantic 4-4-2 2426 'St Alban's Head' SR Olive Green	
31-921	H2 Class Atlantic 4-4-2 32424 'Beachy Head' BR Black Early Emblem	
31-995	LMS 10000 BR Brunswick Green, Lined Orange & Black	£89.50
31-996	LMS 10000 BR Brunswick Green, Part Eggshell Blue Waistband	£89.50
31-997	LMS 10001 BR Brunswick Green, Blue Waistband Yellow Panels	£89.50
32-038DS	Class 20 #20124 BR Blue Indicator Disks - Weathered "SOUND"	
32-065	Class 43 'Warship' #D865 'Zealous' #D865 BR Maroon Yellow Panel	
32-066	Class 43 'Warship' 'Pegasus' #D835 BR Green Yellow Panel	
32-085	Class 56XX #6639 BR Black Early Emblem	
32-260DC	WD Austerity 2-8-0 #90448 BR Black Late Crest	£117.95
32-279A	K3 Class 1304 LNER Lined Black	
32-281	K3 Class 61862 BR Lined Black Early Emblem	
32-285	Class 101 2 Car DMU BR Green with Speed Whiskers	£119.95
32-286	Class 101 2 Car DMU BR Green with Yellow Warning Panel	£119.95
32-286A	Class 101 2-Car DMU BR Green Yellow Warning Panel Weathered	
32-331	Class 25/1 #25043 BR Green Full Yellow Ends - Weathered	
32-440	Class 24/1 D5135 BR Green	
32-442	Class 24/1 #24137 BR Blue	
32-680	Class 45 #45036 BR Blue Split Centre Head Code	
32-762DS	Class 57/3 'The Hood' #57312 Virgin - Weathered "SOUND"	
32-763	Class 57/3 'Pride of Crewe' #57309 DRS Compass Blue	
32-784	Class 37/0 #37242 Mainline Blue Centre Head Code - Weathered	
32-785DS	Class 37/0 #37254 BR Departmental - Weathered "SOUND"	
32-786	Class 37/0 #37174 EWS Domino Head Code - Weathered	
32-938	Class 150/2 #150204 Northern Rail	
32-992	Wickham Type 27 Trolley Car BR Engineers Yellow	
32-993	Wickham Type 27 Trolley Car BR Engineers Yellow Wasp Stripes	
35-076	Class E4 0-6-2 #473 Southern Green	
35-077	Class E4 0-6-2 #32556 BR Black Early Emblem	

GRAHAM FARISH**FULL RANGE STOCKED AT BARGAIN PRICES**

370-080	'Countryside Coal' Digital Train Set	
370-500	Cumbrian Mountain Express Collectable Train Pack	
371-110	Class 31 #D5563 BR Green - Directional Lighting	£100.26
371-111	Class 31 #D5596 BR Green Sm Yel Panels - Directional Lighting	£100.26
371-112	Class 31 #31173 BR Blue - Directional Lighting	£100.26
371-165	Class 37/4 #37407 'Loch Long' BR Blue Large Logo	£89.20
371-168	Class 37/5 #37506 Railfreight Red Stripe	£95.95
371-180	Class 40 D211 'Mauretania' BR Green Indicator Discs	
371-181	Class 40 D369 BR Green Centre Head Code Small Yellow Panel	
371-182	Class 40 40159 BR Blue Centre Head Code Full Yellow Ends	
371-286	Class 55 'Kings Own Yorkshire Light Infantry' #D9002 BR Grn SYP	£93.46
371-287	Class 55 'Prince of Wales's Own Regiment of Yorkshire' #55005 Blue	£95.95
371-330	Class 150/1 #150128 First Great Western	£123.21
371-358	Class 60 60021 Colas	
371-384	Class 66 #66209 EWS - Weathered	£99.95
371-396	Class 66 (Low Emission Variant) 'Interhub GB' #66731 GBRf	£95.95
371-454	Class 37 #D6827 BR Green Centre Headcode - Weathered	£106.21
371-455	Class 37 #37251 BR Blue - Weathered	£106.21
371-456	Class 37 #37133 BR Grey & Yellow (Dutch)	£101.96
371-558	Class 158 2 Car DMU #158871 ScotRail	£115.95
371-604	Class 42 Warship 'Onslaught' #D832 BR Green	£100.26
371-635	Class 70 Powerhaul #70006 Freightliner	£95.95
371-656	Class 57 #57312 Network Rail Yellow	£101.96
371-657	Class 57 'Pride of Crewe' #57309 DRS Compass Livery	£91.50
371-876DS	Class 108 2-Car DMU BR Blue	
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
372-030	Castle Class 'Earl of Dunraven' #5044 GWR Lined Green	
372-060	Midland Class 4F #43924 BR Black Late Crest Fowler Tender	£93.46
372-061	Midland Class 4F #3851 LMS Black Johnson Tender	£93.46
372-062	Midland Class 4F #43875 BR Black Early Emblem Johnson Tender	£93.46
372-138	Class 5 #5190 LMS Plain Black	£110.46
372-139	Class 5 #45206 BR Lined Black Early Emblem	£118.95
372-181	Princess Coronation Class 'Duchess of Hamilton' #46229 BR Green	£127.95
372-183	Princess Coronation Class #46240 'City of Coventry' BR Crimson L/C	£127.95
372-310	Merchant Navy Class #35024 'East Asiatic Company' BR Blue E/E	
372-312	Merchant Navy Class #35028 'Clan Line' BR Green Late Crest	
372-385	Class A2 'AH Peppercorn' #5525 LNER Apple Green	£135.96
372-388	Class A2 'Blue Peter' #60532 BR Lined Green Late Crest	£135.96
372-400	Class J39 #1856 LNER Lined Black Flat Sided Tender	£87.50
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	lvatt Class 2MT #46521 BR Lined Green Late Crest	£95.50
372-626	lvatt Class 2MT BR Lined Black E/E Locomotive 46440	£95.50
372-653	BR Standard Class 4MT #76079 BR Lined Black Early Emblem	£110.46
372-725	BR Standard Class SMT 73068 BR Lined Grn Late BR/C Tender	£103.50
372-727	BR Standard SMT 'Camelot' BR Lined Black Early BR18 Tender	£103.50
372-825	LNER J72 Class 6680 LNER Lined Green	
372-826	LNER J72 Class 69001 BR Black Early Emblem	
372-827	LNER J72 Class 69028 BR Black Late Crest	
372-930	N Class 2-6-0 #1406 SR Olive Green Slope-sided Tender	£106.21
372-931	N Class 2-6-0 #31844 BR Black Early Emblem	£106.21

RAILS BLACK LMS LIMITED EDITIONS

LMS Twins Wooden Box Set #10000/10001 Black/Chrome £249.50

UK POSTAL RATES: £4.00 (1st Class), £4.50 (1st Class Recorded), Special Delivery £8.50 next day delivery inc Saturdays by 1:00pm (orders must be placed before 2:00pm on date of 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 PO31-41 which will be charged at £12.

WORLDWIDE POSTAL RATES: Postage charged at cost sent via Royal Mail Airmail under 2kg, Parcelforce over 2kg. (Air sure and international signed for available on request). Non EEC countries are VAT deductible.

New releases may be booked in advance.

All mail order or telephone orders despatched immediately with an immediate refund or follow-on option on 'Out of Stock' items. Please advise with your order.

All goods are either in stock or on order.

By Car: From M1 South, Junction 29, follow A617 to Chesterfield then A61 to Sheffield.
From M1 North, Junction 33, follow Parkway then A61 Chesterfield Road.

By Bus: From Midland Station/Transport Interchange catch No 53 (Lowdges) bus to Albert Road (approximately 2 miles).

PRICE PROMISE

We guarantee the price of our forthcoming releases for Locomotives, coaches and wagons to be at least 10-25% less than the RRP at the time of release. We also offer large discounts on many of our railway accessory ranges.

We continually monitor other retailers to ensure that our prices are always competitive.

JUST LOOK FOR THE**Colour coding:****No DCC****DCC READY****DCC Fitted/Sound****PLEASE NOTE:**

All items currently in stock are despatched immediately.

Forthcoming releases will be despatched immediately upon release.

If your order contains both current items and forthcoming releases then these will be despatched separately and subject to separate delivery charges.

DAPOL AT BARGAIN PRICES

N GAUGE OO GAUGE O GAUGE

GOLD STAR STOCKISTS

FULL RANGE STOCKED

Call us or see our website for
more details and bargain prices

ESU Loksound AT BARGAIN PRICES

V4.0 Steam Sound Decoder with Speaker	Classes A4 Pacific, A1/A2 Pacific, A1 Pacific 'Tornado' GWR Pannier 57xx, GWR Manor 78xx, BR/LMS Mogul, 4MT Tank, Jubilee, BR/LMS Fairburn, Ivatt Class 4, 3F Jinty, Bulleid Pacific	£94.50
V4.0 Diesel Sound Decoder with Speaker	Classes 03/08/20/24/25/31/37/40/43 HST/44/45 47/50/52/55/57/66/67/108 DMU/158 Sprinter	£94.50
DCCSFIT	Fitting service for all OO gauge Steam Classes	£25.00
DCCDIHT	Fitting service for all OO gauge Diesel Classes	£20.00

All sound decoders are available with either 8 or 21 pin connectors, several of the steam decoders are suitable for use in other locomotives. See our website for more details.

50010	ECosBoost ext Booster 4A DCC/MOT/SX/mfx	£197.50
50011	ECosBoost ext Booster 8A DCC/MOT/SX/mfx	£369.50
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

CORGI DAM BUSTERS 70th ANNIVERSARY



AA33615 Panavia Tornado GR4 £89.50

PHONE/ORDER HOTLINE

(0114) 2551436

Open 9:00am - 5:00pm

24 Hr Answerphone service for orders



GAUGEMASTER AT BARGAIN PRICES

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	£144.50
DCC14	Prodigy Advance 2 Backlit Walkaround	£99.00
DCC23	6 Pin N Gauge Plug-in Decoder	£21.00
DCC27	OMNI 21 & 8 Pin Decoder	£15.95
DCC30	Accessory Decoder	£46.75
DCC40	Auto Reverse Module	£31.50
DCC51	Prodigy Wireless Conversion Set	£199.50
DCC55	Prodigy Advance Wired Computer Interface Cable	£40.50
Model D	Twin Track Controller	£67.50
Model Q	Four Track Controller	£124.50
PM1	Point Motor with Accessory Switch	£4.25
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

ALSO STOCKED AT BARGAIN PRICES

In addition to full ranges from all the manufacturers featured here we also offer full ranges from:



WOODLAND SCENICS
The World Leader in Model Scenery



and many more. If you can't find the product you are looking for on our website then
please contact us and we can order it in for you.

Check out our **ebay** stores to see what discontinued and rare items we have on offer and
for your chance to pick up a second-hand bargain today.

Visit: <http://stores.ebay.co.uk/Rails-Of-Sheffield>

Visit: <http://stores.ebay.co.uk/The-Rails-of-Sheffield-Vault>

MODEL RAILWAYS BUY - SELL - EXCHANGE ANY GAUGE ANY AGE TOP PRICES PAID

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)



ANCORTON[®] MODELS

QUALITY MODELLING MADE EASY

www.ancortonmodels.com



Laser cut wood kits for OO scale buildings



OOFH2
Derelict house kit £22.00



OOTC1
Tudor cottage kit £16.50



OOST7 Waiting room / cafe kit £12.50



OOTG1
Terraced Garages kit £10.50



OOFH1
Country house kit £19.75



OOH2
Cottage kit £19.00



OOH3
Fisherman's cottage kit £14.00



OOYO1 Yard office
kit £8.50



OOTB1 Platform
toilet block kit £11.00



OOWB1 Weigh
bridge kit £11.00



OODP1 WWII pill
box kit £7.70



OOLB2 Platelayers
hut kit £7.50



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

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

FINE SCALE BRASS

NEW FOR 2015 - O Gauge ready to run BR 9F 2-10-0

All Brass hand built construction. Stove enamel finish in lined BR Green or standard black. Vermilion between frames. All axles sprung, coined brass wheels with stainless steel tyres. Powerful 'Faulhaber' motor + LHL/FM gearbox as befits the prototype and driving rear coupled axle. DCC, sound, smoke & weathering available at extra cost.

Picture shows pre-production prototype.



Three versions fully finished pre-order price (saving £200 on launch price) -£2000.00 Evening Star, £1850.00 single or double chimney black. Available with variations of lamp brackets, front steps and choice of BR1B/C/E & F tenders. Prices include VAT & insured UK delivery. Credit/Debit cards at no extra cost (excluding Amex). Order now, limited numbers available.

Visit our new website www.finescalebrass.co.uk to see the ever expanding range,
 or contact us on 01132761759 for our latest list.

Email: john@finescalebrass.co.uk. Major credit cards accepted without premium.

Finescalebrass (UK) Ltd, Unit 5, Matrix Court, Leeds, LS11 5WB

"The National Collection in Miniature" Series



Exclusive Edition
Advanced Passenger
Train Experimental

Interior detail of Trailer Car



Pre-order by 30th April
2015, to ensure delivery
in Autumn 2015.

Available exclusively from:

www.locomotionmodels.com the NRM's on-line model shop
or the **Locomotion** museum shop in Shildon **Tel: 01388 771439**



Taunton Controls Ltd



TRAIN CONTROLLER SPECIALISTS IN DC AND DCC

The ONLY D.C.C. Controller Built in the UK
Buy online or by phone, units in stock

Helpline 01823327155 open 6 days 9 am to 9 pm

closed on WEDNESDAYS

28 functions, P.C. Interface built in,

USB upgradeable.

Dual braking system

The controller that puts YOU in the cab as driver



See and try our new 611 controller at these Exhibitions:-

25 & 26 April HELSTON Cornwall TR13 0SR

16 May BOGNOR REGIS PO22 8EL

30 & 31 May EXETER Devon EX2 8FD

1,2 & 3 May BRISTOL Thorn bury BS35 3JB

23 & 24 May HAYLE Cornwall TR27 4DE

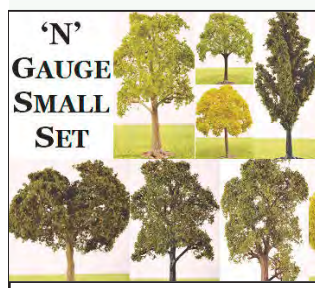
13 & 14 June CHATHAM Kent ME7 HF

Taunton Controls Ltd
12 The Octagon
Taunton
Somerset TA1 1RT

ZTC Helpline is open 10am till 9pm on 01823 327155
JOIN THE ZTC OWNERS CLUB

T: 01823 327155
E: info@tauntoncontrolsltd.co.uk
W: www.tauntoncontrolsltd.co.uk
Directors: P Jones & G Warner

Small Copse - Small Prices

 'N' GAUGE SMALL SET EIGHT 'READY TO PLANT' TREES	 Grass Tufts 2mm-4mm - 50+ per pack Greens or Brown/Greens	 Flower Beds 'N' Gauge - 33 per pack 'OO' Gauge - 21 per pack	 'N' Gauge Large Set SEVENTEEN 'READY TO PLANT' TREES (50mm - 105mm)
'N' Gauge Small Set (8 Trees) £10.00 Medium Set (11 Trees) £15.00	Static Grass Tufts & Flowers All £3.50 Per Pack		'N' Gauge Large Set (17 Trees) £20.00 Mega Set (plus Hedge, Scatter, Glue) £25.00
 Willow Tree (Hand Twisted) 55mm - £7.00, 65mm - £8.00	 Grass Strips - 55mm Long 1-2mm Tall - 16 per pack 2-4mm Tall - 12 per pack	 Flower Borders - 100mm 'N' Gauge - 5 per pack 'OO' Gauge - 3 per pack	 Cherry Blossom (Hand Twisted) 40mm - £2.70, 55mm - £3.20
May 9th & 10th Derby & Mickleover MRG The Roundhouse, Pride Park, Derby, DE24 8JE	W: TheModelTreeShop.co.uk E: sales@themodeltreeshop.co.uk The Model Tree Shop, 4 David Hume View, Chirnside, Scottish Borders, TD11 3SX Tel: 01890 819021		My Hermes add £4.95 P&P Royal Mail add £6.95 P&P



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: shop@thelococentre.com
Web: www.facebook.com/thelococentre



• REPAIRS DONE •

CUSTOMERS WANTED!...With an eye for a bargain

• LOCOS DCC CHIPPED •

SPRING CLEARANCE

R2946 BR BLUE 4VEP	£90
STEAM LOCO'S	
R2784X GREEN MALLARD DCC FITTED	£69
R3230-31-32 J15	£104
A4 GADWELL TTS SOUND	£95
DUKE OF GLOUCESTER TTS SOUND	£130
R3110 BR 262 TANK 61XX CLASS	£69
R3017 PATRIOT SIR HERBERT WALKER	£90 £100
R3005 28XX WEATHERED	£95
R3006 38XX WEATHERED	£103
R3030 LMS 4F	£70
R3124 BR EARLY CREST 42XX	£98.00
R3126 BR LATE CREST 52XX	£98.00
TTS SOUND A1 TORNADO	£140.00
R3243 K1 62024	£117.50
R3243A K1 62027	£117.50
R3242 K1 62015 EARLY CREST	£117.50
R3305 K1 62059 EARLY CREST WEATHERED ..	£117.50

DAPOL

D6316, 6328 DAPOL CLASS 22 WITH HEADCODE	£105
D6326, D6316 DISCS WITHOUT HEADCODE	£107
DAPOL COACH KITS	£9.95
DAPOL READY MADE COACHES	£12.95

OXFORD DIECAST

GOOD RANGE OF E.F.E. BUSES, MANY LOCAL INCLUDING 16124 BRADFORD LEYLAND PD2 £15
Full range of OO and N Gauge Cars, Wagons, Buses, Tractors etc.

SPRING SALE

BR MK1 COACHES WERE £24.00 NOW £18.50*

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



**HUGE RANGE OF HORNBY - Can't find Hornby?
 Call us first! Full range of Peco, OO Dapol, Humbrol,
 Scalextric. All at discount prices**



Pennine Models
 33/35 Mill Hey, Haworth, Keighley BD22 8NQ
 Tel: 01535 642367
 penninemodels@googlemail.com

Wednesday to Sunday 11am-5pm

COACHES

R4634A/B/C BLUE GREY STD WITH LIGHTS	£33
R4566 GRESLEY COMPOSITE BRAKE	£29
R4567 GRESLEY CORRIDOR 1ST	£29
R4568 GRESLEY CORRIDOR 3RD	£29
R4569 GRESLEY BUFFET	£29
LIGHTED PULLMAN COACHES	
R4478/79/80/81/86/87	£25.00
R4639 A/B/C TSO MIDLAND MAINLINE	£27
R4638/A FO MIDLAND MAINLINE	£27
R4444A FO INTERCITY BLUE/GREY	£27
R4446A TSO INTERCITY BLUE/GREY	£27
R4429 PULLMAN NO. 171	£25
R4468 GRESLEY BUFFET BLUE/GREY	£39.95
R4406A CRIMSON & CREAM BRAKE 3RD	£21.00
R4408A CRIMSON & CREAM BRAKE COMPE	£21.00
R4407A CRIMSON & CREAM COMPOSITE	£21.00
MK3 COACHES	
MIDLAND MAIN LINE FO, TSO, TGS, BUFFET	£27.00
BLUE GREY EATERN REGION WITH LIGHTS FO, TSO, TGS, BUFFET	£33.00
EXVIRGIN FO, TSO, TGS, BUFFET MK1 COACHES	£26.50
R4635/A/B ARRIVA WALES MK3 STANDARD CLASS	£26.50
MK1 COACHES	
CRIMSON & CREAM, CHOC & CREAM & MAROON SO, TSO COMPOSITE & FULL BRAKE AVAILABLE IN RAILROAD	£19.00
OR FULL SPECIFICATION WHICH IS METAL WHEELS & ENHANCED PRINTING	£23.00
WAGONS	
R6675/76/77 21 TON HOPPER	£13.95
R6466/67/68 OTA EWS RED	£13.00EA
R6489/70/71 OTA THAMESBOARD BLUE	£12.00 EA
R6541 TOTAL	£6.95
R6543 MURCO 100T TANK	£17.00
R6642/A SHUNTERS WAGON GW	£9.00
R6643/A SHUNTERS WAGON BR	£9.00
R6647 EX BLUE SPOT BARRIER	£9.60
R6650 B R BLACK TROUT	£16.50
R6401A B R 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

**VAST RANGE
 OF PLASTIC KITS
 many going back
 10 years**

Everything in the shop to turn a Train Set into a Model Railway.

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.acmodelsspares.co.uk

7 High Street, Eastleigh, Hants, SO50 5LB

email: info@acmodelseastleigh.co.uk

**N Gauge
 Coach Lights
 Now Available!**

Easy-Fit Sound & Lighting

Add real sound & lighting to your layout!

NEW Automatic Coach Lights for any Coach

Easy fit - motion activated - no wiring, no pickups, no flickering



Now Available in N!

Now Available in N & OO - from under £20 complete

NEW Fit real sound in your train - only £40!

Tiny motion controlled sound capsule and battery - no wiring



**Steam
 Diesel
 DMU!**

Works on both DC & DCC! Steam, Diesel, Goods....

Easy Fit - no wiring, no Pickups, no Switches, no Soldering

Ask for free guide to fitting SFX Sound into N gauge

Available direct from **www.dcpexpress.com** & model shops

Order by 3pm for same day First Class despatch



Train-Tech
 Model Technology Made Easy

**FREE
 BROCHURE
 FREE**

DCP Express
 Bryon Court
 Bow Street
 Great Ellingham
 NR17 1JB, UK

01953 457800 / www.Train-Tech.com

£4 UK P&P - but this month quote BRM515 for £2 off postage!



NEW THIS SEASON - THESE AND MORE!



THE ELIZABETHAN

DEVON BELLE

THE MASTER CUTLER

Nº 1 2 3 4 5 6 7 8 9 0

PASSENGER
LOCOS

GNR FREIGHT LOCOS
Nº 1 2 3 4 5 6 7 8 9 0



TRANSFERS AND
ETCHED PLATES

CALLERS BY APPOINTMENT ONLY
FOX TRANSFERS LTD, DEPT BRM, 4 HILL LANE CLOSE
MARKFIELD INDUSTRIAL ESTATE, MARKFIELD,
LEICESTERSHIRE LE67 9PN ENGLAND
TEL +44 (0)1530 245618
LOW COST FOR UK LANDLINES 0844 815 9711
EMAIL sales@fox-transfers.co.uk

SEND OFF FOR A PRICE LIST 2mm/N, 4mm/00 or 7mm/0
Cheque/PO payable to **FOX TRANSFERS LTD**
UK £1.90 • Europe £4.60 • Outside Europe £5.50
or download **FREE** off our website

www.fox-transfers.co.uk

GC WEATHERING

"Its the little things we do"



With over 25 years experience of Airbrush Artwork.
We are a model locomotive weather service with a difference.

Using oil paints, pigments, resin, technical pencil, graphite & watercolours we give a unique finish to our complete weathering service.

Our pick n mix is a firm favourite so you can customize your loco whether it is for a basic weathering, with a bit of grime or a full weathering service with a choice of ten customised looks to choose from including:

- Greasy buffers
- Dirty buffers
- Water overspill
- Oil overspill
- Smoke box ash
- Diesel exhaust pigment

Thank you very much for my Class 37, which arrived on time yesterday. With the super weathering job, lights and sound, the model really echoes the 1960's. Having the yellow panels added is well worth the extra, having struggled with yellow panels for ages. I am sure we will be doing more business come 2015.

Mr Foster, Oxfordshire

Is your layout your pride & joy?
Why not email it over today and show the world...

Tel: 01279 817433 Mob: 07445 161654

Email: workshop@gclocoweathering.co.uk

www.gclocoweathering.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)

Drives a model control servo to operate semaphore signals, crossing barriers etc.
DCC built-in! Size: 69x33x20mm

£12.10

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



www.grimytimes.co.uk

WEATHERING SPECIALIST

GRIMY TIMES



Weathered locos for sale - SEE WEBSITE

EXCEPTIONAL
QUALITY &
PRICE

ALL SCALES CATERED FOR RENUMBERING & RENAMING

Contact Steve Tel: 01925 727436 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



Edward James
COLLECTABLES

WANTED

Unwanted, Used or Un-used Model Railways,
Slot Car, Diecast, Etc.
Any Gauge, Any Age
British, Continental or US Outline
Any Manufacture
Boxed or Unboxed
ANYTHING CONSIDERED

- 20+ Years Experience
- Competitive Quotes
- Distance No Object
- Immediate Settlement
- We pay for Collection or Postage Costs

CONTACT Brian Burdon @ Edward James Collectables
Home (0114) 2489940 Mobile (07780) 776682
Email edjamcollectable@aol.com
42 Bryony Close, Killamarsh, Sheffield, S21 1TF

New Books from Strathwood Out Now



**SELLING
FAST**

Eastern Steam
Days Remembered
£29.95

London Midland
Steam Days
Remembered II
£29.95



**SELLING
FAST**

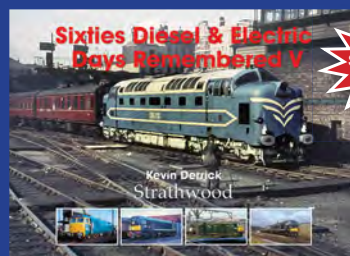


**SELLING
FAST**

Looking Back at AC
Electric Locomotives
£19.95



Looking Back at
Peaks
£19.95



**SELLING
FAST**

Sixties Diesel
& Electric Days
Remembered V
£29.95

Strathwood

9 Boswell Crescent, Inverness IV2 3ET

TELEPHONE ORDERS

01463 234004

Payment: Visa/Mastercard or Sterling Cheque drawn on a UK Bank.

Order via post, telephone or internet.

Overseas book orders only: please add 15% for postage
UK orders under £25 please add £2.95 P&P



www.strathwood.co.uk

Loads & loads for OO layouts

HARBURN HAMLET
OO/HO
Accessories 'Ready to Place'

Just place them in to a place!

TIERED KEGS

FL146 £5.10 FL147 £5.10 FL148 £5.95 FL149 £5.95

FL144 Beer Kegs £5.95 FL140 Barrels £4.75

FL150 Red oil drums £5.95 FL145 Oak casks £9.90

FL151 Green oil drums £5.95 FL154 Rusty drums & cans £5.95

FL160 Brick stacks (3) £5.95 FL168 Coal sacks £5.95 FL126 Coal sack load £5.95 FL131 Scrap load £5.95 FL171 Ass'd merchandise £5.95

FL170 Pipes £6.30 FL123 Grey bags £4.75 FL122 Brown bags £4.75

SLEEPERS

FL102 New wood £4.75 FL103 Rotten £4.75 FL112 Crates part cov'd £5.95 FL100 Wood beams £4.75

FL104 Concrete £4.75 FL120 Covered load £4.75 FL101 Planks £4.75

FL165 Builder's stockpile £6.50 FL161 Tipped bricks £5.95

FL181 Logs £8.35 FL180 OTA timber load £8.95 FL124 Red mailbags £4.75

FL133 Ass'd shipment £9.25 FL125 Grey mailbags £4.75

FL132 Crates shipment £9.25 FL117 Coil (2) £6.75 FL115 Steel Plates £5.95 FL116 Coil load £9.50 FL134 Ballast bags £5.95

P&P £3.00 per order

'N' gauge modelling? - See our website for Harburn Hamlet N gauge products

Harburn Hobbies, 67 Elm Row, Edinburgh EH7 4AQ

Order:- by Phone: 0131 556 3233; Online: www.harburns.co.uk; by Post from above address

just-tracks

4mm Finescale Trackwork



Handmade Trackwork
Layout Design/Construction

Tel: 01793 881515

Email: info@just-tracks.co.uk

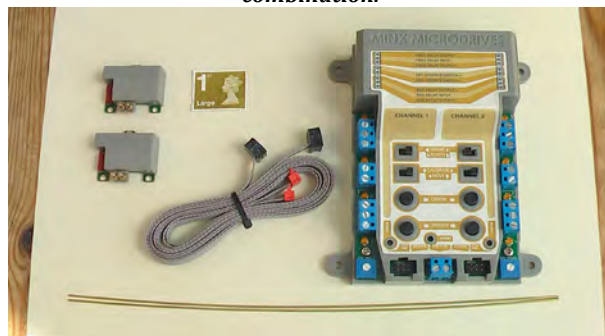
www.just-tracks.co.uk

MINX MICRODRIVES

THE SMALLEST, SMARTEST POINT AND SIGNAL ACTUATOR SYSTEM ON THE MARKET

- VERY SIMPLE TO USE AND SET UP
- THE ACTUATOR IS THE SAME SIZE AS A LARGE POSTAGE STAMP
- BASEBOARD SURFACE MOUNTING – AVOID LYING UNDERNEATH!
- SELF CALIBRATION AND ALARMS IF THERE IS A FAULT
- SIGNALS CAN HAVE VARIABLE AMOUNTS OF "BOUNCE"
- 2 SETS OF RELAYS FOR FROG SWITCHING AND INTERLOCKING
- SYNCHRONISED REMOTE OPERATION FROM A PANEL
- OPERATES ON 12 – 24V DC OR AC
- SUITABLE FOR ALL GAUGES 2 TO 3
- DCC DECODER COMPATIBLE
- UNIQUELY DESIGNED IN THE UK BY A RAILWAY MODELLER

Our pack contains all you need, with full instructions and circuit diagrams to operate 2 points or signals in any combination.



£42.50 + £5 P/P, DCC DECODER £15 + £2 P/P
ORDER - BY PHONE, E-MAIL US FOR ON-LINE BANK TRANSFERS, USE A CREDIT/DEBIT CARD VIA PAYPAL OR SEND A CHEQUE BY POST.

01932 225568

minxmicrodrives@hotmail.com

www.minxmicrodrives.com

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

£115
PLUS £6.90 P&P

£69
PLUS £4.80 P&P

£129
PLUS £6.90 P&P

Fully tested and guaranteed for 5 years

The Vortrak four track and Vector twin track for 00/HO/N/009 (1amp per track), the Vesta N twin track is dedicated N gauge, the Vanguard for O gauge is twin track (2.5amp per track). Each controller has state of the art design, offering very best performance capability. Slow and fast speeds are superb. Internal separate transformers for each track from 220/240 AC mains. The Vector and Vesta for N also have 2 x Hand Held controllers with 2.5mtr leads plus a 12V DC accessories output, the Vortrak and Vanguard each have 2 x 5mtr Hand Held's plus the Vortrak 2 x 12V DC accessories and the Vanguard 1 x 12V DC accessories. Each controller has a sloping front desk type dark grey enclosure. On board CDU for point motors.

For full details or to order online visit
www.morleycontrollers.com
(Secure order site)

or telephone Morley Controllers on 01704 533 116
(Overseas enquiries +44 1704 533 116)

Morley Controllers – Choose the best!



PO Box 501, Southport, PR9 9ZL
Email enquiries: jet@morleycontrollers.com

Also at PO Box 1230, Wangara BC, Perth, Western
Australia 6947 Tel: (08)930 56358. <http://aus.morleycontrollers.com>



Colour Catalogues Inc. post

00, 009 (1/76th).....£6

N Catalogue (1/148th).....£5

O Catalogue (1/143rd).....£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



00 SCALE

Post Office Telephone Van
£22.65. Ask 4 free transfers.

Gantry Hoist Crane £13.45.
Telephone £8.90. Loads of kits
in our colour catalogue

5 6 1950's Station figs guards fat controller porter etc.....	£ 5.50	Painted Loco Crew 2 x Diesel Drivers.....	£ 5.25
6 ass Gravel diggers, Pick, shovel and lamp holders.....	£ 5.50	Painted Waterfowl-swans and ducks etc.....	£ 10.10
Canadian Canoe and 2 paddling figs.....	£ 5.95	Painted Pigs / piglets and feeding troughs.....	£ 8.35
Canadian Canoe padding and resting figure.....	£ 5.95	Painted 5 Assorted Firemen Action Figures.....	£ 11.35
3 Deep-sea Divers, 2 helpers, compressor.....	£ 5.65	Painted Modern Firefighters (brown uniform).....	£ 11.35
3 x Kids/ R.C. Toys, 1 adult launching plane.....	£ 5.50	Painted 1970/80's Firefighters (black/yellow).....	£ 11.35
6 kids, 4 with skateboards, 2 rollerskates.....	£ 5.50	Painted Picnic and lounging figures.....	£ 13.20
1 x Windsurfer and figure.....	£ 4.45	Painted Rowing Boat and Fisherman.....	£ 10.55
3 Surfers, 2 surfing one waving board.....	£ 5.50	Painted Rowing Boat and rowing figure.....	£ 10.30
4 Hunting figs & 2 'gun dogs' with pheasant.....	£ 5.50	Painted 4 Wheelie Bins (2 grey 2 green).....	£ 7.80
6 Assorted People with Umbrellas.....	£ 5.55	Painted 2 x Canoes/Kayaks + figures.....	£ 10.95
8 Assorted Ambulance/Paramedics.....	£ 6.55	Painted 6 Assorted Chickens.....	£ 5.70
2 Assorted Mobility Scooters and Figs.....	£ 5.70	Painted 6 assorted Seagulls.....	£ 8.95
Council/Municipal Figure and rubbish cart.....	£ 4.40	Painted 6 assorted Cats.....	£ 6.95
Cider/Fruit Press Figure and demijohns.....	£ 5.50	Painted Foxes hares & rabbits.....	£ 6.95
C.C.T.V. Cameras (3 wall and 1 post mounted).....	£ 4.60	Painted Wild Animals.....	£ 9.15
5 Policemen in various positions.....	£ 4.75	Painted Wild Birds.....	£ 9.45
Assorted Agricultural Tools & Equipment.....	£ 4.00	Painted 6 Doves & Pigeons.....	£ 5.85
Ass Industrial Tools & Equipment.....	£ 4.00	Painted 4 x Rock Climbers.....	£ 9.95
Platform Machines (tickets chocolate weighing scales).....	£ 5.50	Painted 8 x Farm Figures.....	£ 17.60
Ind Machine. Mill & Pillar Drill.....	£ 5.95	Painted 5 x Hiking Figures.....	£ 11.35
Ind Machine Lathe & vertical sander.....	£ 5.95	Painted Golfers, trolleys and flags etc.....	£ 19.85
Ind Machine Fly Press & Pillar Tool Grinder.....	£ 5.15	Painted Lawn Bowls figures.....	£ 14.20
2 Wheelchairs Patients and 2 pushing.....	£ 5.10	Painted Army figures on fatigues (working).....	£ 15.70
Scuba Diving Equipment.....	£ 4.65	Painted 4x Royal Marine Soldiers 'At Ease' 50's.....	£ 9.25
Scuba Divers / frogmen x 4.....	£ 4.95	Painted 1 x Officer Royal Marines.....	£ 2.65
Vertical Boiler & Steam Water pump/flywheel.....	£ 14.95	Painted Welding Figures & Equipment.....	£ 11.55
Vertical Boiler only.....	£ 9.85	Painted 4 Workman/painters with ladders.....	£ 11.35
Gargoyles' and water spouts/outlets.....	£ 5.35	Painted Road Repair Crew & Equip 6 figs.....	£ 13.20
Waterline Buoys & Deep water markers.....	£ 4.90	Painted In Bad Taste Figures (8figs 1 dog).....	£ 19.40

Painted Loading Gauge.....	£ 5.20	8 Pigs.....	£ 3.20
Painted Yard Crane.....	£ 7.15	8 Sheep.....	£ 3.20
Painted Telephone box x 1.....	£ 4.20	10 Chickens.....	£ 3.20
Painted Pillar Boxes 2 off.....	£ 4.60	2 Shire Horses.....	£ 2.65
Painted Police Telephone box.....	£ 3.90	Pub/Cafe Scene.....	£ 5.55
Painted A&B Box.....	£ 3.90	Funeral Scene.....	£ 4.10
Painted Ballast Boxes (2 wooden boxes).....	£ 5.35	White Wedding Scene.....	£ 4.25
Painted trackside relay boxes.....	£ 5.25	Cricket Game Figures.....	£ 5.95
Painted War Memorial.....	£ 5.95	Cricket Sight Screen and Scoreboard.....	£ 4.25
Painted 2 Plain Horses (unharnessed).....	£ 5.85	2 Horse Pouch and Ploughman.....	£ 4.60
Painted Loco Crew.....	£ 3.90	15 ass Loco Lamps (square round guard).....	£ 2.65
Painted Swans & Ducks x 4 each.....	£ 6.30	30 shell vents (extra detailing for coaches).....	£ 2.65
Painted Washing Line & Figure.....	£ 6.95	20 trapped vents (extra detail for coaches).....	£ 2.65
Painted Wild Animals.....	£ 6.85	Ass Loco Vacuum Pipes.....	£ 2.65
Painted Assorted Seagulls x 8.....	£ 6.45	Childrens Playground & figures.....	£ 2.55
Painted Dogs 6 off.....	£ 6.30	Church Light Galle.....	£ 4.55
Painted 6 x Pigs.....	£ 6.00	Church Notice Board & Crucifix.....	£ 3.70
Painted Sheep 6 off.....	£ 6.40	Foresters saw horse set and saw.....	£ 4.30
Painted Chickens 10 off.....	£ 6.40	6 Large (60 gallon) Oak Barrels.....	£ 3.70
Painted Funeral Scene.....	£ 9.15	Water Butt and 5 Tubs.....	£ 3.70
Painted Cricket Game.....	£ 26.25	12 Wharfedale Bolders.....	£ 3.70
Painted Church Notice board & crucifix.....	£ 7.30	Lifebelts & Stands.....	£ 3.70
Painted Lrg Wooden (Oak) Barrels x 4.....	£ 5.95	12 Chimneys/round/tapered/Hexagonal).....	£ 3.20
Painted Power tubs and water butt.....	£ 7.45	Welding Figures & Equipment.....	£ 4.30
Painted Terracotta Chimneys (12x (3 types)).....	£ 4.95	2 Relaxed Loco Crew.....	£ 1.70
Painted Welding Figures & Equipment.....	£ 5.55	5 x Gardeners & Equipment.....	£ 4.60
Painted 4 Pallets and pallet truck.....	£ 2.35	Flower pots and tubs & gardening equip.....	£ 4.95
Working Men 1 on Ladder & 1 on trestle.....	£ 4.30	7 x Figures in working poses.....	£ 4.60

Model the LYR

We can supply information to help you create
your model railway

www.lyrs.org.uk

Members receive 7 publications each year

4 magazines

in full colour with
topical information and
modelling articles

3 LYR Focus

Historical information
Researched by well known
authors

Plus access to

Photo collections
Drawing collections
Information service
Model kit & book offers



Only £31

Overseas £38

The Lancashire & Yorkshire Railway Society



Ken Carter, Membership Officer
11 Waveney Close, Arnold, Nottingham NG5 6QH
membership@lyrs.org.uk



ANDY LOWE Electronics

All your electronic components at LOWE prices
REPAIRS TO MOST MAKES OF DC CONTROLLERS

www.andylowelectronics.co.uk

EQUIPMENT WIRE

Cols: red,yell,grn,bl,bk,
white,grey,purple,
orange,pink,brown



EW07/0.2 Multistrand wire 1.4amp
7 strands of 0.2mm wire
in plastic sleeving;
ideal N & 00
£1.50 £7.95

EW07/0.2 as above in bi-colour
[striped]
£2.00 £15.00

EW16/0.2 Multistrand wire 3amp
16 strands of 0.2mm wire,
ideal 0 & 00
£2.25 £16.95

EW24/0.2 Multistrand wire 5amp
24 strands of 0.2mm wire,
ideal 0 & DCC
£2.80 £23.50

EW32/0.2 Multistrand wire 6amp
32 strands of 0.2mm wire,
ideal DCC rd,bk
£3.50 £28.00

MIN TOGGLE SWITCHES

SP/DP-single/double pole,
ST/DT-single/double throw



SMT1 on/off SPST £1.20 £1.10

SMT2 on/on SPDT £1.20 £1.10

SMT3 on-off-on SPDT £1.25 £1.15

SMT4 on/on DPDT £1.30 £1.20

SMT5 on-off-on DPDT £1.40 £1.30

SMT6 [on]-off-[on] SPDT for points £1.60 £1.50

SMT7 [on]-off-[on] DPDT £1.90 £1.80

Lever covers for identification and grip 15p each

Rd,yell,bl,bk,gn,wh,grey

TAG BOARDS, STRIPS & TERMINAL BLOCKS



CTB2 Mini Tag Board 2 rows x 18
117mm x 38mm £2.45
CTS1 Standard Tag Strip 28 way x 267mm £2.50
CT52 Mini Tag Strip 28 way x 194mm £1.90
CTB4 Screw Terminal Block 3amp 80p
CTB5 As above 5amp 95p
CTB6 As above 12-way Plug & Socket 6amp £3.95
CTB10 As above, but 10amp £4.95

LEDS & GRAIN OF WHEAT



LD14 12v LED 3mm rd,gn,yl 1+ 20+
built-in resistor 40p 30p
LD32 As above in white 40p 35p
LD15 12v LED 5mm rd,gn,yl 40p 30p
LD1 1.8mm LED rd,gn,yl, amber
needs resistor 30p 25p
LD31 As above in white 70p 60p
3M/5M Mounting clips for above in black 8p
GWB 12v built-in resistor 3mm dia x
10mm, 80ma, 120mm insulated
leads rd,bl,yel,amb,clear,gn 40p 35p

T: 01981 540366 E: andy@andylowelectronics.co.uk

Hillcrest Cottage, Little Birch, Hereford HR2 8AY



Cheq: Andy Lowe

P&P: £2.99



PETER'S SPARES



MODEL RAILWAYS LIMITED
MAIL ORDER & REPAIR SPECIALISTS



- ♦ New & Used Hornby Spare Parts
- ♦ Our own spare parts made in China
- ♦ Locomotives and Rolling Stock
- ♦ Plastic Kits ♦ Paints ♦ Tools & Glues
- ♦ Digital Decoders & Controllers
- ♦ Locomotive Detailing Parts
- ♦ Mega Steam Smoke Fluid
- ♦ Tracks & Train Sets
- ♦ We have it all at Peters Spares



NEW & USED MODEL RAILWAYS

Specialists in Model Trains since 1994 -
servicing, repairs & DCC decoder fitting
2J Brighthouse Business Village, Riverside Park,
Middlesborough, Cleveland, TS2 1RT

Tel: 01642 909794 • Open Mon-Sat 10am-5pm

Web: www.petersspares.com

Email: sales@petersspares.com

**Possibly Hampshire's Largest Stockist
of Model Railways, Diecast, Books,
Magazines, Scalextric and much more...
Second Hand Department NOW OPEN.**

SPECIAL OFFERS

Hornby		
R2621	BR N15 Ironside Weathered	£77.80
R2647X	Class 56 56128 West Burton	
	Power Station	£79.50
R2902XS	Class 08 EWS Chris Wren	£153.00
R3037XS	Class 08 D3963 BR Green	£170.00

Bachmann		
31-002	Class 04 2-8-0 BR Early 63635	£97.50
32-581	Ivatt 4MT 43018 BR Lined Black	£92.50
32-750DC	Class 57 Freightliner Crusador	£65.00
31-177DS	Jubilee Kolhapur BR Green	£195.00
31-213DS	45543 Royal Signals Green	£199.00
32-551DS	Class A1 Sea Eagle BR Green	
	Early Emblem DCC Sound	£210.00

See website for more...
All prices exclude postage from £6.00 per loco,
2-3 locos £9.00 or 4 or more at cost.



ALTON MODEL CENTRE

Monday: Closed
Tuesday to Saturday: 9.00am to 5.00pm
Sunday: see website / call
Tel: 01420 542244
Fax: 01420 544463
altonmodelcentre.co.uk
7a Normandy Street, Alton
Hants, GU34 1DD

SALE SALE SALE SALE SALE SALE SALE SALE

HORNBY:	DAPOL N:	BACHMANN:
R2843 907 Maunsell Grn.....£91.00	ND-114C 153333 Central.....£80.00	31-001 63601 BR Late.....£92.00
R2844 30934 BR Early.....£91.00	ND-114H 153360 Northern.....£80.00	31-002 63635 BR Early.....£92.00
R3098 60163 BR Green.....£94.00	ND-135C 6910 BR.....£79.00	31-012 53810 BR Late (W).....£105.00
R3144A D5829 BR Green.....£127.00	ND-205C 27008 BR Blue.....£84.25	31-318 5317 LNER.....£65.25
	HELJAN:	31-319 64311 BR Early.....£65.25
2301 D5903 grn full yell.....£90.00	ND-209B 55000 Regional.....£78.00	31-320DC 64325 BR Late.....£74.00
2302 D5908 Grn Full Yell.....£90.00	FARISH:	31-995 10000 BR Green.....£89.00
2310 D5907 Grn Glos S Yell £93.50	371-393 66301 Fastline.....£66.00	31-997 10001 BR Green.....£89.00
2322 D5905 Grn No Frost.....£101.00	371-177A D382 BR Green.....£67.00	All subject to availability
2724 D5353 BR Green.....£78.00	371-603A D829 Maroon F.Y.....£73.00	UK P & P from £4.10 per order
	372-801 60156 BR Late.....£96.00	

We also stock 00 & 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, Superquick, Wills, Woodland Scenic & Deluxe Materials.

ONLINE SHOP www.churchstreetmodels.co.uk

Mon-Sat 9.30-17.30 • Closed Tuesdays, Sundays & Bank Hols

Church Street Models, 10A, Church Street, Basingstoke, Hants, RG21 7QE

01256 358060 • Mail Order Welcome

www.expressmodels.co.uk

LIGHTING SPECIALISTS

'THE LIGHT AT THE END OF THE TUNNEL'

We manufacture 4mm scale working Gas type Lamps, along with Modern Image Depot Lamps and Buffer Stop Lamps. We make our own range of working Traffic Lights and Barrier Warning Lights. We also stock Viessmann working street & Station Lamps. Add realism to your layout with working Colour Light Signals. We stock the excellent range of Traintronics and Offline Signals.

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



GEE DEE MODELS - NOTTINGHAM HORNBY LOCO OFFERS

R3222 Great Western 42xx 2-8-0 4261.....£110.95	R3206 A1 Tornado B.R. Blue.....£110.95
R3229 B.R.(W) Star Class 'British Monarch' £127.95	R3098 A1 Tornado B.R. Green.....£112.95
R3205 B.R.(W) Rood Ashton Hall L/C.....£113.95	R3202 B.R. A3 Flying Scotsman Wtd Grn. £143.95
R3106 GWR 28xx 2-8-0 2807.....£139.95	R3131 LNER A4 'Great Snipe' Garter Blue..£135.95
R3005 B.R.(W) 28xx 2845 weathered.....£130.95	R3114 B.R. B1 4-6-0 61270 L/Crest.....£120.95
R2916 GWR 28xx 2-8-0 2812 Shirtbutton.....£111.95	R3242 B.R. K1 Black E/Crest 62015.....£120.95
R2919X B.R.(W) 38xx L/Crest DCC Fitted.....£118.95	R3240A B.R. K1 Black L/Crest 62027.....£120.95
R3204 M7 0-4-4T LSWR livery 245.....£120.95	R3305 B.R. K1 Black E/Crest 62059 wtd.....£120.95
R3244TTS Duke of Gloucester TTS Sound.....£139.95	R3189 LNER L1 2-6-4T Green 9003.....£116.95
R3194 B.R. Schools 'Epsom' Black E/Crest.....£125.96	R3245TTS Blue A1 Tornado TTS Sound.....£143.95
R3208 B.R. Schools 'Brighton' Black E/C.....£129.95	R3231 B.R. ex GE j15 0-6-0 65356 E/Crest.....£98.95
R2829X Southern T9 314 Black DCC Fitted £105.95	R3232 B.R. ex GE j15 0-6-0 65445 L/Crest.....£98.95

Many other loco's 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



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

LORD AND BUTLER

Exclusive
Bachmann
Limited Edition
66050 EWS Energy
£129.95



**Now
in Stock**

The Pumping Station Penarth Rd Cardiff CF11 8TT
029 2066 7225 info@lordandbutler.com

Daily 10.00 - 5.30
Sunday 2.00 - 5.30

**NEW LARGER SHOP OPEN NOW
CAFETERIA ON SITE AND FREE PARKING**

www.lordandbutler.com

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



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:

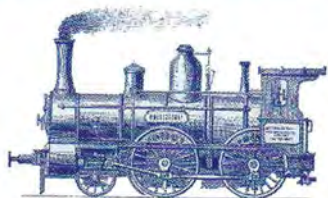
www.platformmodelsltd.co.uk



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.

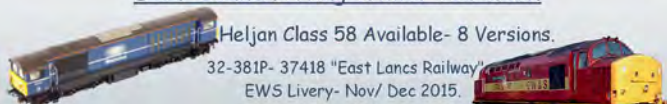
Situated on Bridge Street, Sawyer Models are OPEN Monday to Wednesday and Friday to Saturday 10am to 5pm CLOSED Thursdays and Sundays with FREE parking throughout Earlestown and only a 2 minute walk from Earlestown train station.



01925 227835 • sawyermodels@hotmail.com
www.sawyermodels.co.uk

Olivia's Trains of Sheffield

'OO' Gauge UK DCC Sound Specialists. **HORNBY** 25a Mansfield Rd, Intake, S12 2AE
Extensive UK sound library utilising the Loksound decoders.
DCC/ Sound Fitting Whilst You Wait.



Heljan Class 58 Available - 8 Versions.

32-381P- 37418 "East Lancs Railway"
EWS Livery - Nov/ Dec 2015.

Bachmann Class 66 111 Available Now!

Heljan EM2 Class 77 / EM1 Class 76 - Available Now.

Dapol Class 73's
Pre-order Now For May '1537402 DR5
Nov/ Dec 2015.

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



SouthWest
digital

Distributor
for the UK

As real as it gets!



Photos: Chris Perkins

New range of GWR Sounds

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



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



Model Trains 4 U

0800 0431174

- Free Postage in UK for orders over £60
- Large Selection of Hornby Spares in Stock
- We always try and price match

SO GIVE US A CALL...
it is free after all!

MODELTRAINS4U.CO.UK

MODELMANIA 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

MORRIS MODELS 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



PLUS MANY OTHER RANGES OF SCENIC
MATERAILS, BUILDINGS, VEHICLES etc

BICYCLED



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



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,
Metcalf, Graham Farish, TCS decoders, Kadec Couplers and more!

On our website we have a selection of our pre-owned locomotives
with much more on display in the shop!

Telephone: 023 80 772 681

www.ronlines.com • r.lines@hotmail.co.uk

342 Shirley Road, Southampton, SO15 3HJ

NEW!

Laser Cut Open Sided Barn

OO / 4MM / 1:76

- * Precision laser cut cardkit
- * Pre-weathered roof texture
- * Detailed roof interior
- * Step by step instructions
- * Lots of scope for kit bashing!

L=208mm x W=125mm x H=84mm

Only £7.49 with FREE UK P&P!



scalemodel scenery
Tel: 01530 456952
.co.uk

Visit → scalescenery.com

Download → Print → Build

The home of quality
downloadable card
model railway kits
since 2005

NEW Low Relief Factory

Available in five
different brick colours
ONLY £3.99

Wide range
of doors

Card kits
that pass
closer
inspection

View our
large range of
N and OO kits
and texture sheets

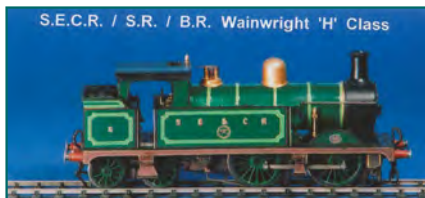
[scale
scenery
.com](http://scalescenery.com)

Optional loading
dock and awning

Buy once unlimited prints

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



Modelling London's Railways?

We produce card kits for:

Buildings, & Trams
backscenes and scratchbuilder sheets

not to mention our new range of

3d printed Plastic Loco and accessory kits



District Railway station building £6.99 (plus £1.70P&P)



3 car 'Derikton' set £9.99 (plus £1.70P&P)



London Trams £3.99 (plus £1.70P&P)



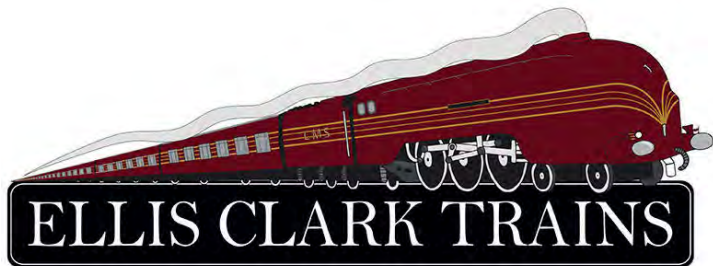
4 car 'Q' stock £12.49 (plus £1.70P&P)

Order these and many more
card building kits direct from:
CDC Design, Chiltern End,
Fen Lane, Hitcham,
Suffolk, IP7 7NL

Look no further than...

STREET LEVEL MODELS
cdcdesign.webplus.net

Please make cheques payable to CDC Design.



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

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



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

1 Northgate Street
Ilkeston, DE7 8FR
Tel: 07786 896807
www.malcsmodels.co.uk
Email: malcolmgrubey@btinternet.com



JACKSONS MODELS & RAILWAYS 33 NEW STREET WIGTON, CA7 9AL
Tel: 01697 342 557

www.jacksonsmodels.co.uk

Stocking Model Railways by Hornby, Bachmann, Farish, Peco, Dapol, Metcalfe, Superquicks, Corgi, Oxford, Classix etc. Railway Scenery by Gaugemaster, Woodland Scenics, Jarvis, Busch, Expo, etc.

Opening Times: Mon, Tue, Fri 9-5, Late night Thurs to 7.00pm, Sat 10-3 Closed Wed & Sun

Pooleys Puffers

Model Railway Supplies, New & Second Hand Bought & Sold



Proprietor **DAVID 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

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

Mac's Model Railroading

Modelling in the gateway to the Glens?
If so, a warm welcome awaits at Mac's Model Railroading

4-8 Reform St, Kirriemuir,
Angus DD8 4BS



Large ground floor premises
Extensive stock & knowledgeable, experienced staff.

Opening hours: 10.30 - 5pm
Closed: Thursday & Sunday
Tel: 01575 572397 • 07501 505730

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

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

RHUDDLAN MODELS

- Model Railways
- Games Workshop
- Die Cast Models
Corgi - Dinky - Matchbox
- Plastic Kits
Airfix - Revell - Etc

NEW AND USED ITEMS BOUGHT AND SOLD

HIGH ST, RHUDDLAN.
01745 590048
www.rhuddlanmodels.co.uk

TENNENT'S Trains

Home and International Mail Order is our speciality
www.tennentstrainsofhailesowen.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

Time machine models

Stockists of PECO, HORNBY & GAUGEMASTER, OXFORD DIECAST MODELS ETC.

32 WESTBOROUGH RD, MAIDENHEAD, SL6 4AR
(just off A4, west of town centre)

Telephone: (01628) 622603

OPENING TIMES: TUES-SAT 11.00am-5.00pm

THEHOBBYGoblin

STOKE-ON-TRENT
13 Queen Street, Burslem, ST6 3EL

Wide range of scenery

- Hornby • Bachmann • Peco
- Lenz • Dapol • Gaugemaster
- Graham Farish • Metcalfe
- Plus much more!

www.thehobbygoblin.co.uk
T: 01782 823818 E: info@thehobbygoblin.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

Visiting the Isle of Wight?

Two floors of locomotives, wagons, coaches, buildings, scenery, electrics, figures, cars and more!

N/009/HO/00/On30/G

UPSTAIRS DOWNSTAIRS
Pier Street - Sandown - PO36 8JR
01983 406 616 • www.udlow.com

THE TUTBURY JINNY

COLLECTABLES **01283 814777** MODELS

UNIT 9, TUTBURY MILL MEWS, TUTBURY, Nr. BURTON-UPON-TRENT DE13 9LS

BASS/WORTHINGTON VENT VAN.....£12.50 (plus £2.50 p&p for either one or two)
6-WHEEL MILK TANK NESTLÉ 'OO' GAUGE.....£17.50 (plus £2.50 p&p for either one or two)
6-WHEEL MILK TANK NESTLÉ 'O' GAUGE.....Price to be confirmed

- ADVANCED ORDERS TAKEN -

TRIDENT TRAINS

No10, The Craft Arcade
Dagfields Craft Centre,
Crewe Road, Walgherton, Nantwich,
Cheshire. CW5 7LG

www.tridenttrains.co.uk

HORNBY-BACHMANN-HELJAN-FARISH DAPOL-PECO-LENZ-
TCS-GAUGEMASTER-METCALFE-RATIO+MUCH MORE

01270 842400

BRM
BRITISH RAILWAY MODELLING

From just £2.25 an issue

SUBSCRIBE TO THE DIGITAL EDITION



www.pocketmags.com/BRM

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

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



NEW from ALPHAGRAPHIX

HUNSLET 0-6-OST

7mm scale Etched brass locomotive kit

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

Timber Tracks

Laser cut model railway products

Timber Tracks' kits are easy to construct, are supplied with comprehensive instructions, drawings and photographs and give you the ability to produce high quality buildings quickly.

All components are pre-cut, fully detailed, and assembled with only the minimum of tools.



Tel: 01275 852027
www.timbertracks.co.uk

The Original **Fine Tip** The 0.5mm tip is ideal for all card kits, ballasting and precision gluing.

PVA Glue Applicator

No waste, no mess!

Tel: 01524 411183

£3.75 Plus P & P

www.finetip.co.uk

ADDLESTONE

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

EDWINSTOWE TRAINS N THINGS

@ BENHAMS

Model Railway Retailer Of:-

Train Sets, Engines, Rolling Stock of Hornby, Bachmann, Graham Farish, Gauguemaster, Dapol & Accessories. New & Second Hand.

Tel: 01623 822302 Mob: 07759 162963

Email: shop@benhamsonline.co.uk

45 High Street, Edwinstowe, NG21 9QR

www.benhamsonline.com

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

Dereks Transport Books

www.derekstransportbooks.com

dereksbooks@btinternet.com

All transport subjects covered

Established 1995 Ringwood

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

Isle of Wight - Fort Victoria Model Railway and Shop

Westhill Lane, Yarmouth, PO41 0RR Tel: 01983 761553

www.fortvictoriamodelrailway.co.uk

Stockists of Peco, Bachmann, Woodland Scenics, Metcalfe, Dapol, Falter, etc.

Largest Marklin layout, open to the public in the UK with new English layouts and a fairground under construction.

SUMMER OPENING: Daily 10.15am-4.00pm closing at 5pm
(We are closed for the whole of November)

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)

Show Dates for May - Bristol 1st, 2nd & 3rd - Derby 9th & 10th - Ely 16th

Another Delightful Model At

C&M Models

N GAUGE SCOTRAIL 'SALTIRE' 156

£109.95, DUE SUMMER

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

O GAUGE

5 PLANK WAGON

Cumberland Granite Co

Limited Edition of 100 wagons

CUMBERLAND GRANITE CO

RASSENTHWAITE LAKE

Crafty Hobbies

01229 820759

www.crafty-hobbies.co.uk

54 Cavendish Street, Barrow-in-Furness, Cumbria LA14 1PZ

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 | Gauguemaster | Heljan | Hornby | K&M | 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

LSING GLASS

LSNER Scale Drawings & 3D Design/Printing Services

Components, kits and design

www.lsinglass-models.co.uk

27 Grange Road, Toddington, Dunstable LU5 6BZ

07973 768080 (eve) lsinglass@Edgson.net

INVERTRAIN

Model Railways

7mm O Gauge Specialist

SOLE Supplier of Wayoh Coach Bogies

7B06 Combined Water Tower & Coaling Stage Kit

£49.50 (plus £4.00 p&p)

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, Cairnecroft, Dunfermline, Fife, KY12 8QS

Tel: 01383 880844 (Answer-phone available)

Please make cheques payable to Invertrain Model Railways

ITEMS MAIL ORDER LTD

MAYFIELD, MARSH LANE, SAUNDBY, RETFORD, 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

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

TRAIN TERRAIN

'Specialist Model Shop'

Open: Tues-Sat 10.00am til 3.30pm

European & American Model Railway
& Scenery Specialists



We custom
build layouts
and dioramas
to order

We can supply many product ranges including:

Faller • Minitrains • Roco • Inspirescene
Noch • Busch • Acme • Woodland Scenics
Auhagen • Kibri • Vollmer • Oxford • Kato
Bachmann American inc. On30 • Joefix • PIKO
Atheam • Lilliput • Walther's • Tillig • Prores
Gaugemaster • Albion

Workshop & Retail Area

199 Plumstead Road, Norwich, NR1 4AB

'Upstairs at Great Eastern Model Railways'

Trade Enquiries Welcome Telephone: 01603 304379

Email: info@trainterrainmodels.co.uk

www.trainterrainmodels.co.uk

GREAT EASTERN MODEL RAILWAYS

SPECIALISING
IN ALL YOUR
MODEL
RAILWAY
NEEDS

00 + N Gauge

Tel: 01603 431457
greateasternmodels.co.uk

199 Plumstead Road,
Norwich, Norfolk NR1 4AB



G.C.R.

RAILEX 23-24 May
Aylesbury

MET.

QUAINTON ROAD MODELS

Chyanbre • Polyphant • Launceston • Cornwall • PL15 7PT
contact@quainton-road-models.co.uk • www.quainton-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

Open Wagons • 3,4,5,6-Plank with brake gear for all eras
Cattle Wagons • Standard/Large – Vans • Standard/Large/Tool

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...

Closed for holiday 20th July - 4th August (inclusive)

MONK BAR model shop

Find us by Monk Bar
2 Goodramgate
York YO1 7LQ
Tel. 01904 659423
info@monkbarmodelshop.co.uk

Model Railways - Diecast Planes & Vehicles
Plastic Kits & Figures - Scalextric - Jigsaws

Open
Monday - Saturday
9am - 5.30pm
Only 2 minutes
from York Minster



Large
selection of
OO & N Gauge

Stockists of Hornby, Bachmann, Peco, Dapol, Gaugemaster, Ratio, Wills
Woodland Scenics, Metcalfe, Oxford Diecasts, Base Toys and many more

www.collectable-models.co.uk

NEW mini clamps
13.5mm

Architectural
Detailing
0, 00 and N scale

Precision laser cut architectural detailing.
Tiles, windows, doors, headers, valances,
brackets, steps, etc. Plus kits and tools.

NEW PRODUCTS

Find us on
Facebook

www.yorkmodelmaking.co.uk

Alternatively send a large SAE for 0, 00 or N scale price lists to 01904 400358
York Modelmaking, Unit 13, Bull Centre, Stockton-on-Forest, York, YO32 9LE



Our Sale has finished

but offering 'Good Value' has not!

CHECK OUT OUR **PECO** PRICES - BIG DISCOUNTS

N Gauge, 00 Setrack & Streamline, O Gauge, SM-32, G-45 & Gauge 1

C&L Flexitrack & Turnout Kits

Flexitrack looks like the prototype - Why?

- Moulded Chairs show detail of bolts
- Sleepers of the correct length & spacing
- Rail of the correct cross section & height

Turnouts look like the prototype - Why?

- A selection of 2, 3 or 4 bolt Chairs offered
- Plastic or Wooden scale sized Timbers

Turnouts are Easy to build - Why?

- Chairs glued to Timbers
- Ready to Use Crossing (frog)/Switchblades
- No Soldering (except attaching feed wire)
- Everything included, plus full Instructions

Turnouts are Flexible in use - Why?

- Can be built on a Curve to suit location
- Each Kit makes a Left or Right version

Discounts for multi purchases/removing gauges
(Turnouts, D/Slips & 3-Way in OO, EM, P4 & O)

PECO - sample prices

Our normal LOW prices!

- 'OO' - SL100 or SL100F - Box
c.100 or c.75 flexi wood £63.95
- SL80 Single slip c. 100 £26.95
- SLE192 Small Radius c.75 £9.95
- LK55 Turntable £38.95
- LK32 Tunnel £7 LK33 Bridge £7
- 'N' - SL300F 1 x yard c.55 £2.85
- SL300 1 yard c. 55 - £2.60
- Code 55 SLE380F S/Slip £29.95
- SLE399F 3-way £25.95
- 'O' - SL700BH Box code 124 £67
- SL700FB Box c.143 - £70.00
- SLE791/2 'O' Med t/outs £37.95
- SL740BH 'O' Buffer Stops £2.40
- Smartswitch Set - £55

See website or phone for full list

Build your own plain track?

Use Exactoscale 'Fast Track' bases & rail or C&L chairs, sleepers & rail.

NEW - N Gauge Build your own Flexitrack or Turnouts (Finetrax Range)

Flexitrack available in metre lengths & Turnout Kits for A5/B6/B8/Diamonds

Visit our Shop at:
Aran Lodge, Severn Rd.
Hallen, BRISTOL, BS10 7RZ
Mon - Thursday 9am - 4pm

C&L Finescale Modelling

www.finescale.org.uk Tel: 01179 508 470

Easy sound, lighting & control for all!

Colour Light Signals
DC & DCC fitted versions



00 2, 3, 4 Aspect From £8

NEW Fit real sound in your train - only £40!
Tiny motion controlled sound capsule & battery-no wiring



Works on both DC & DCC! Steam, Diesel, Goods....

NEW Automatic Coach Lights - For 00 / N
Turns on automatically, no pickups, No flicker From £20



NO wires - fit this lighting strip in seconds!

Signal & Point
Controllers DCC only



Any gauge From £17

Clip-in Buffer Lights & Track Testers
DC & DCC N & OO only £5 each



Various LFX Effects £15 inc Random,
Flashing, Traffic Lights, Crossing, Welding, BBO



Available direct from www.dcpexpress.com & model shops



Train-Tech
Model Technology Made Easy

NEW
BROCHURE
FREE!

DCP Express
Bryon Court
Bow Street
Great Ellingham
NR17 1JB, UK

01953 457800 / www.Train-Tech.com

£4 UK P&P - but this month quote BRM515 for £2 off postage!



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

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

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 BFPO less VAT. Exports £4.00 Minimum
Mon-Thurs: 9.30am-1pm, 2pm-6pm

The Model Railway Shop

- Unique and Generous Part-Exchange Service
- Honest Prices Paid on your Exchange Goods
- Free Servicing - Only Parts Chargeable
- Stockists of New, Used, Hard to Find and Unusual Items

Address:
30 Station Lane, Featherstone,
Pontefract, West Yorkshire, WF7 5BE
Helpline: 01977 706730/07940 368316
Email: modelrailwayshop@hotmail.co.uk

Find us on Facebook

Model Rail Baseboards

Manufacturers of modular baseboard systems.

Custom made baseboards, helices, storage systems, control panels.
Complete layout service also available.
For more information and to see our gallery go to

www.modelrailbaseboards.com
sales@modelrailbaseboards.com
Tel: 0035387 6555052

Road Transport Images 4mm Finescale Lorries and Vans

Realism, accuracy and loads of nostalgia. We don't do "near enough".

Easy assembly modules sold separately. All items maximum two parts only.

Over 190 cabs available from £9

Chassis' for all applications from £7

50+ body types plus trailers and semi-trailers from £9

29 wheel profiles (no one style fits all), unsheeted loads and a range of transfers

All to consistent 4mm (00 gauge) scale



Enhance your layout on both sides of the track

See us at Scottish Scale Model Show, Dewars Centre,
PERTH 25th-26th April

or Railoc, Model Railway Exhibition, Stoke Mondeville Stadium,
BUCKS 23rd & 24th May

or

Browse and buy all products direct from our ONLINE SHOP
www.roadtransportimages.com

or

Use our prompt mail order service

For a free full colour illustrated price list send a DL or A5 SAE to:

Road Transport Images, 17 Foxdene Road, Seasalter,
Whitstable, Kent. CT5 4QY

Card Mounted

NEW

A15 Blue Brick Bridge / Tunnel Entrance

NEW

A14 Red Brick Bridge

Die-cut

C6 Victorian Terrace House Fronts

A5 Locomotive Shed (double track)

C5 Victorian Terrace House Backs

B25 Police station

B31 Village School

B24 Farmhouse

A8 Water Tower & Weighbridge

A13 Ash Plant

OO/HO SCALE

Building quality

Kits to adorn your layout

SUPERQUICK
MODEL KITS

WWW.SUPERQUICK.CO.UK

FOR OVER 40 YEARS - THE MODELLERS CHOICE

RAILWAY BUILDING SERIES

- A1 Station Platform
- A2 Country Station Building
- A3 Island Platform
- A4 Island Platform Building
- A5 Two Road Locomotive Shed
- A6 Signal Box
- A7 Goods Depot Building
- A8 Water Tower & Weighbridge
- A9 Covered Footbridge
- A10 Railway Terminus Station
- A11 Station Master House & Crossing Keeper Cottage
- A12 Coalling Tower
- A13 Ash Plant
- A14 Red Brick Bridge/Tunnel Entrance
- A15 Blue Brick Bridge/Tunnel Entrance
- A16 Stone Bridge/Tunnel Entrance

COUNTRY TOWN BUILDING SERIES

- B21 'The Swan' Inn
- B22 Two Country Town Shops
- B23 Two Detached Houses
- B24 'Greystones' Farmhouse
- B25 Police Station / Public Library
- B26 Farm Hayloft & Barn
- B27 Supermarket & Shop
- B28 Two Elizabethan Cottages
- B29 Country Church
- B30 Four Terraced Houses
- B31 The Village School
- B32 Country Garage & Petrol Pump
- B33 Railway Hotel
- B34 Bus Depot
- B35 Market House
- B36 The Country Fire Station

LOW RELIEF BUILDING SERIES

- C1 Hotel, Offices & Restaurant
- C2 Cinema, Post Office & Shop
- C4 Regency Period Shops & House
- C5 Four Redbrick Terrace Backs
- C6 Four Redbrick Terrace Fronts
- C7 Redbrick Terrace Corner

INCLUDING A FULL RANGE OF BUILDING PAPER SERIES

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



5. We make a 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 Thu **7am-9pm**
Fri & Sat **8am-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 **8am-6pm**
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

MP Middleton Press
EVOLVING THE ULTIMATE RAIL ENCYCLOPEDIA

Published 23 MAY

**BERWICK TO
ST. BOSWELLS
via KELSO**

£18.95 P&P free (UK) MAIL ORDER
Available 6 May

RAIL TIMES FOR GREAT BRITAIN
Summer Revision - Valid from 17 May 2015
£20.95 FREE P&P (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**

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

Sorry no lists *Ample Parking*

**HORNBY - PECO
BACHMANN - FARISH
CORGI - OXFORD
EFE - AIRFIX etc**

**NEW & SECONDHAND
RAILWAYS & DIECAST**

**WARHAMMER
Scalextric**

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 CS SAE to:

PACIFIC MODELS
2 High Street, Corby Glen
Lincolnshire NG33 4LX
www.pacificmodels.co.uk

82010 72A

BRM
BRITISH RAILWAY MODELING

BRM BACK ISSUES
Our Digital Editions
go back to April 2011!
www.pocketmags.com/BRM

SIGNALS MODEL SHOP

8 Holly Court, High Street,
Midsomer Norton, Somerset, BA3 2DB
www.signalsmodels.com
Mon to Sat From 10am 01761 402484

Stockists of Bachmann, Hornby, PECO, Humbrol, Noch, Graham Farish, Metcalfe, Gaugemaster, Wills, etc. Plus second-hand.

FREE PARKING less than 5 mins walk

Top Trains .co.uk

NEW
Shop for model railway enthusiasts
OPEN NOW
Free Parking

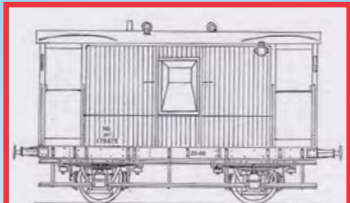
Wide range of stock from all your favourite suppliers, PLUS bespoke services, ordering service and online shop.

Top Pets

Call us or see our website for details
28 Marston Road, Stafford, ST16 3BS
Tel: 01785 247883

KITS, SOFTWARE & CASTING

PARKSIDE DUNDAS



LNER Toad E Goods Brake Van
O Gauge: 7mm Scale

Our new kit is this LNER Goods Brake Van built between 1930 and 1935. Around 900 were constructed and examples were still to be seen in the mid 1960's.

LNER 20 Ton Goods Brake Van Toad E	ref PS113	£39.90
LMS 20 Ton Goods Brake Van 1657	ref PS40	£39.90
LMS 20 Ton Goods Brake Van ex midland design	ref PS111	£39.90
GWR 20 Ton Goods Brake Van AA19	ref PS44	£39.90
SR 25 Ton goods Brake Van 1579	ref PS103	£39.90

Visit our website for details of more kits

Catalogues - 'O', 'OO' or '009': **£3.00** each post paid.
SAE only for 'N' leaflet. Please add £3.00 P&P per order.

Exhibitions: Troon GOG 11 Apr, Scalefour North, Wakefield 18-19 Apr, 009 Soc, Rainford 18 Apr, Railx Aylesbury 23-24 May, Cleckheaton GOG 30 May

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 FREE MODEL RAILWAYS DVD! WORTH £7.99

FREE DVD FOR EVERY READER! Worth £7.99

ARENDON

STEAM IN ROBIN HOOD COUNTRY

BRM Subscribe today!
Call our hotline on 01778 392002

RETAILERS & MANUFACTURERS

MARCWAY

POINTWORK RENOWN FOR QUALITY

Ranges available in gauges 1, O, SM32, OO, 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

MARCWAY New O Gauge Flexible Track

New plastic based track, very finely detailed, with code 125 Bullhead rail on 9ft timbers. Beautifully proportioned to capture the British Steam era.
Box of 10 yds.....£78.00

MARCWAY O Gauge Pointwork

Handcrafted with code 125 bullhead nickel silver rail matching Marcway Peco and C & L O 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 OO & EM Pointwork

Handcrafted in either OO or EM gauges with code 75 nickel silver Bullhead rail and to match to SMP Scaleway track. The OO 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 O. Prices start at £25.50 for L or R. Introductory offer 4 x Lor R, hand 36" or 48" points for £90.00

MARCWAY TRACK MATERIALS

For all gauges: Rails, sleeper strips, cut sleepers, track gauges, point levers & motors, switches, planners, metal track templates, point kits, frog units etc

MARCWAY Track Roller Gauge

Gauge 1 For Code 200 Rail Roller Gauge.....	£11.95
O Gauge Fine For Code 124/5 & 143/8 Rail Roller Gauge.....	£9.95
O Gauge Coarse & SM32 For Code 200 Rail Roller Gauge.....	£10.25
OO Gauge Universal For Code 100 & 90 Rail Roller Gauge.....	£5.50
OO Gauge Fine/Universal For Code 75 Rail Roller Gauge.....	£5.50
EM Gauge Fine For Code 75 Rail Roller Gauge.....	£5.50
TT Gauge Universal For Code 90 Rail Roller Gauge.....	£5.50
N Gauge (N & 009) For Code 75 Rail Roller Gauge.....	£5.00

MARCWAY POINT LEVERS

PLN Point Lever with built in omega spring N/TT/Fine.....	£3.99
PLS Point Lever with built in omega spring OO/EM.....	£3.99
PLL Point Lever with built in omega spring O Gauge.....	£3.99

MARCWAY Rails

All in 6 yard (915mm) packs	
Code 200 nickel silver rail (Peco type G1, SM32 etc).....	£20.50
Code 200 brass bullhead rail (G1, SM32 & Oc.s).....	£18.00
Code 148FB nickel silver flatbottom rail O USA & Modern Image.....	£11.50
Code 124FB nickel silver flatbottom rail O USA & Modern Image.....	£11.50
Code 100FB nickel silver flatbottom rail O-16.5 & Peco OO/H.....	£8.75
Code 124BH nickel silver bullhead rail O gauge as Peco O.....	£11.75
Code 125BH nickel silver bullhead rail O gauge correct section.....	£10.50
Code 75FB nickel silver flatbottom rail OO/HO fine & Peco fine.....	£7.50
Code 75FB nickel silver bullhead rail OO & EM fine & SMP 10 yds.....	£10.00
Code 75BH phosphor bronze bullhead rail OO/EM, SMP 10 yds.....	£10.00
Code 408H nickel silver bullhead rail N fine.....	£6.95

MARCWAY PCB Sleeper Strip

All in 18" packs to 1.6mm thick (Glass F)	
12mm wide x 1.6mm thick 1/16" (G & 16mm scales).....	£13.50
9mm wide x 1.6mm thick 1/16" (Gauge 1 & SM32).....	£11.50
7mm wide x 1.6mm thick 1/16" (O Gauge).....	£9.50
6mm wide x 1.6mm thick 1/16" (O Gauge standard/fine).....	£9.50
5mm wide x 1.6mm thick 1/16" (O Gauge USA & O-16.5).....	£9.50
3.75mm wide x 1.6mm thick 1/16" (OO & EM).....	£8.50
4mm wide x 1.6mm thick 1/16" (OO, EM 5 etc).....	£8.50
3mm wide x 1.6mm thick 1/16" (OO/HO, TT, HO).....	£8.50
2mm wide x 1.6mm thick 1/16" (N Gauge).....	£7.50
2.3mm wide x 1.6mm thick 1/16" (HO American).....	£8.50
4mm wide x 1.2mm thick SMP (OO & EM).....	£8.50
3mm wide x 1.2mm thick SMP (HO, TT, HO, 009).....	£8.50
3mm wide x 1.2mm thick SMP 25 packs 450 feet.....	£190.00

SCALEWAY TRACK

Code 75 Bullhead plastic based flexible track - beautifully proportioned to capture trackwork of the British steam era	
J Scaleway OO Nickel Silver Track Box of 10 yards.....	£43.00
K Scaleway OO 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 18.88 + 19.33.....	£47.00

POSTAGE EXTRA AT COST

NEW OBSOLETE HORNBY

As well as current range we carry vast selection of new obsolete locos, rolling stock, Skaledale etc.
Please phone for details or visit our small listing website
www.modelrailways.me.uk or www.marcway.net

MARCWAY

SCALE MODELS



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 - Gauguemaster - Bachmann etc. Sets, Train Packs, Locomotives & Rolling Stock, Track Controls & Accessories etc. Also modellers tools, airbrushes, paints, plastic, metal and wood section and sheet. Secondhand equipment bought and sold. Best 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

NO WAITING IN - IN WORKSHOP - NO WAITING IN - IN WORKSHOP

ADVERTISERS INDEX

3mm Scale Model Railways.....	135	Model Railway Solutions.....	130
A C Models.....	125	Model Trains 4 U.....	132
Addlestone Models.....	135	Modellers Mecca Limited.....	128
AHB Services.....	117	Modelmania.....	132
Alphagraphix.....	135	Monk Bar Model Shop Ltd.....	137
ALSRM (Treasurer).....	110	Morley Controllers Limited.....	128
Alton Model Centre.....	130	Morris Models.....	132
Ancorton Models.....	121	Mr Malcolm Townsend.....	110
Andy Lowe Electronics.....	129	Nick Tozer.....	142
Anoraks Anonymous.....	138	Olivia's Trains & Models.....	131
Assoc. Of Mrc Wales & W. Eng.....	113	Oxford Diecast Ltd.....	93
Bachmann Europe Plc.....	2	P & D Marsh.....	134
Barry Jones.....	135	Pacific Models.....	142
Barry Stockton.....	110	Parkside Dundas.....	142
Bill Hudson Transport Books.....	110	Pems Butler Limited.....	139
Bluebell Railway.....	115	Pennine Models.....	125
Branchlines.....	139	Peters Spares Model Railways Ltd.....	129
Brewsters Limited.....	144	Phoenix Precision Paints.....	142
C & L Finescale Modelling Ltd.....	137	Platform Models Ltd.....	130
C & M Models.....	135	Pooleys Puffers.....	134
Chester Model Centre.....	121	Quainton Road Models.....	137
Church Street Models.....	130	Rails Of Sheffield.....	118-120
Connoisseur Models.....	145	Railway Conductor.....	117
Crafty Hobbies.....	135	Ray Heard.....	110
Dapol Limited.....	147	Redcar Models & Hobbies.....	134
DB Models.....	136	Rhuddlan Models.....	134
DCC Concepts Pty Ltd.....	6	Rickingham Village Hall.....	115
DCC Supplies Ltd.....	122 & 135	Risborough & District Mrc.....	112
Derek's Transport Books.....	135	Road Transport Images.....	139
Durham Trains Of Stanley.....	144	Ron Lines.....	132
Edward James Collectables.....	127	Roxey Mouldings.....	145
Edwinstowe Trains N Things.....	135	Sawyer Models.....	131
Ellis Clark Trains.....	133	Scale Model Scenery Ltd.....	132
Epsom & Ewell Model Railway Club.....	110	Scalescenes.com.....	132
Expo Drills And Tools.....	8 & 9	Signals Model Shop.....	142
Express Models.....	130	South Eastern Finecast.....	132
Finescalebrass (UK) Ltd.....	122	South West Digital.....	131
Fine Tip.....	135	Specialist Crafts Ltd.....	116
First Bangor Model Railway Club.....	110	Squires Model & Craft Tools.....	115
Fort Victoria Model Railway.....	135	SRP Fairs.....	110
Fox Transfers Ltd.....	126	Stevenson Carriages & Millholme Models.....	134
Gateshead Toy Fair.....	110	Stowmarket Railway Club.....	110
Gaugemaster Com.....	10 & 11	Strathwood.....	127
Gc Weathering.....	126	Strawberry Line Railway.....	144
Gee Dee Models.....	130	Street Level Models.....	132
Geoff Gamble Books.....	144	Sunningwell Command Control Ltd.....	144
Gfb Designs (Sig-Na Trak).....	126	Sutton Coldfield Railway Society.....	116
Gilbow (Holdings) Ltd.....	53	Taunton Controls Ltd.....	123
Great Central Railway.....	111	Tennants Trains.....	134
Great Eastern Toys And Models.....	137	The E.M. Gauge Society Limited.....	114
Grimy Times.....	126	The Gas Cupboard.....	117
H. & A. Models.....	135	The Hereford Model Centre.....	99
Harburn Hobbies.....	127	The Hobby Box Limited.....	135
Haslington Models.....	134	The Hobby Goblin.....	134
Hatton's Model Railways.....	14-21 & 140-141 & 148	The Hobby Shop.....	134
Hornby Hobbies.....	87	The Lancashire & Yorkshire Railway Soc.....	129
Howard Scenic Supplies.....	144	The Model Railway Shop.....	139
Invertrain Model Railways.....	135	The Model Tree Shop.....	124
Isinglass Models.....	135	The Tutbury Jinny.....	134
Items Mail Order Ltd.....	135	Timber Tracks.....	135
Jacksons Models.....	134	Time Machine Model Shop.....	134
Joe Lock.....	110	TMC Custom Fishish Locomotives.....	40 & 41
John Outfield.....	142	Tony Oakes.....	110
Just-Tracks.....	128	Toolstation Ltd.....	75
K & M Models.....	130	Topp Trains.....	134
Langley Miniature Models.....	129	Tower Models.....	3
Linda Tinker Railway Books.....	134	Townstreet.....	117
Liskeard Railway Models.....	115	Train Terrain.....	137
Locomotion.....	123	Train Tech.....	125 & 137
Lord And Butler.....	130	Trains 4U.....	117
Macs Model Railroading.....	134	Tri-Angman.....	134
Malc's Models.....	134	Trident Trains Model Shop.....	134
Mankim Models.....	142	Upstairs Downstairs.....	134
Marcway Models & Hobbies.....	143	Vectis.....	116
Markits.....	103	Viking Optical.....	131
Metcalfe Models & Toys Limited.....	12 & 13	Waddell's Models.....	137
Mickleover MR Group.....	113	Waltons Of Altrincham.....	144
Middleton Press.....	142	Wellingborough Trains & Models.....	124
Millenium Models.....	144	White Rose Modelworks.....	89
Minx Microdrives.....	128	York Modelmaking And Display Limited.....	137
Model Market Limited.....	144	You Choos.....	117
Model Rail Baseboards.....	139		
Model Railway Developments.....	144		

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!



NEW Turntable Mechanism
Electro-mechanical indexing (as shown)
ensures accurate positioning.
Speed control and direction.
Use alone or DCC.



www.emardee.org.uk

GEOFF GAMBLE BOOKS

Railway book specialist covering UK and overseas
prototypes, also modelling, bus, tram and shipping books.
Book searches a pleasure. Many books POST FREE.

Visit <http://www.geoffgamblebooks.co.uk>
for further details. On-line ordering on
www.rail-books.co.uk Tel: 01293 406137

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

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

Model Market Limited.

HORNBY

DCC concepts

Digital plus[®]
by Lenz

ESU
Electronic Solutions Unit

LokSound
LokPilot

Loco Renaming & Renumbering Plus Our Own Special Editions

www.ModelMarket.co.uk

07890 - 095933

WALTONSMODELS.CO.UK

Where Will Your Hobby Take You Today?

Figures from £5.20



Crosfield Chemicals
Limited Edition
3 x Wagons
£29.95



info@waltonsmodeles.co.uk 0161 928 5940

30 Stamford Street, Altrincham, Cheshire, WA14 1EY

HORNBY **BRACHMANN** **GRAHAM FARISH** **PECO** **FLEISCHMANN** **Roco**

DURHAM TRAINS OF STANLEY

MORE THAN JUST A MODEL SHOP

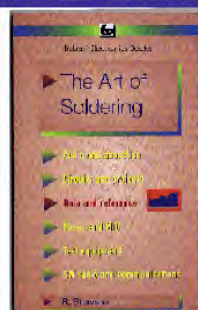
WE STOCK ALL MAJOR BRITISH OUTLINE ROLLING STOCK AND SCENICS AS WELL AS OXFORD DIECAST. WE ALSO
OFFER A CHIP FITTING SERVICE RTO READY AND HOME DCC READY LOCOS AND SERVICE MOST MAKES OF LOCOS.
JUST CLICK ON OUR WEBSITE FOR MORE INFORMATION. WE ALSO HAVE OVER 3000 ITEMS FOR SALE ONLINE.

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

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 2.3mm 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

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.solderingshop.co.uk
www.brewstersbatteries.co.uk
ALL MAJOR CREDIT/DEBIT CARDS ACCEPTED

BRM

BRITISH RAILWAY MODELLING

FREE E-NEWSLETTERS

Exclusive articles, competitions & offers

Register now at www.model-railways-live.co.uk/register



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



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

roxeymouldings.co.uk

Your website for finescale locomotive, carriage and wagon kits in 00 and 0 gauges. A wide range of accessories in stock from Slater's, Markits, Romford, Alan Gibson and our own etched detail frets. Motors from Mashima and Tenshodo with gears and gearboxes from Markits and Roxey. Markits 00 rolling stock wheels and our own turned steel wheels for 0 gauge. Ixion 0 gauge ready to run locos locos. For Exhibition sales only, we stock solder, flux and Precision Paints.



58 Dudley Road, Walton-on-Thames, Surrey KT12 2JU

Tel: 01932 245439






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

THE HOBBY SHOP

www.hobb-e-mail.com

122 West Street, Faversham,
Kent, ME13 7JB
Tel: 01795 531666



MODEL RAILWAY SOLUTIONS

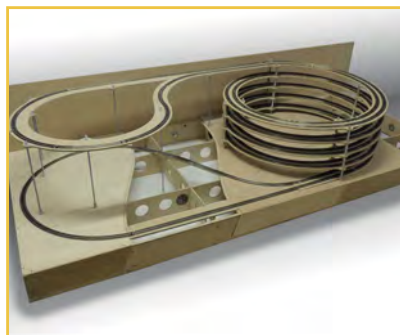
Model Railway Solutions evolved from Steve's enthusiasm for building and showing exhibition layouts, Kensal Green and Treviscoe Viaduct having been past featured articles in BRM, his background as a fully qualified joiner eventually providing the impetus in 2010 to start up this new business supplying high quality birch baseboard self assembly kits and legs. Cousin Martin was also seeking a career change around this time and joined Steve as partner in the venture.

Over the last few years the business has supplied well over a 1,000 kits to Clubs and individual modellers throughout the UK and abroad - Australia being the furthest destination. Later developments has seen the introduction of popular Helix kits and traversers, with the business now also receiving requests to build layouts to order as well as recently providing a loco and stock weathering service.

Model Railway Solutions trade stand is regularly seen at Exhibitions throughout the Country, the partners also being active modelling members of a group currently exhibiting a large layout most recently seen at the BRM Alexandra Palace show in March..

The business continues to expand, the workforce increasing recently to alleviate the current five week lead time on deliveries but the partners are keen to stress that the quality of product is paramount and will not be compromised. Visitors to our Poole workshops are welcomed - the coffeepot is always on - an added attraction being the recent specialist model railway retailer Platform Models occupying the same site.

Our contact details are:
Model Railway Solutions
Unit 1,10-12 Alder Hills, Poole, Dorset, BH12 4AL
Tel: 01202 798068 (ext 1)
Email: info@modelrailwaysolutions.co.uk
Website: www.modelrailwaysolutions.co.uk



TAIL LAMP



I have nothing but respect for the people at Barwell; life cannot be easy for Bachmann at the moment. It is having to contend with the difficulties of manufacture and supply, not to mention what seems to be a relentless increase in prices. To be fair, we were warned that this would happen and Bachmann has been very honest throughout, hence my respect.

The Bachmann/Graham Farish 2015 new product announcements further increased its standing in the model railway community by offering a measured and - hopefully - achievable program of new releases. It is of course facing a daunting task as the list of impending models to clear the backlog is a long one. It will achieve its goals though - of that I am convinced.

Of course Graham Hubbard, that venerable doyen of the model railway world, is moving to one side at Bachmann's head office allowing his long-time colleague, David Haarhaus, to take over the day-to-day running of the company (see page 35). David has many years of experience in the world of model railways and his capabilities will no doubt steer Bachmann to even greater achievements.

Concerning Barwell's announcements, I was amused that even with Bachmann's ongoing supply and prices situation, Hornby was sufficiently concerned to try and spoil its competitor's day with the cynical unveiling of an unrebuilt 'Merchant Navy' on the Friday before.

Sadly all it achieved was to show its own insecurity and frankly poor judgement in making such a premature announcement. Of course, with a subject like the 'MN' - a veritable nightmare when it comes to detail variations, modifications and development - maybe it needs input from the model railway community to ensure it gets the detail correct. If that is the case then it should be up front, be honest and ask for help. In my experience modellers are keen to assist if asked but can be equally unforgiving if a model has avoidable flaws. The recent decision by Hornby to cease the supply of review samples to magazines will do nothing to further its cause either.

The range and depth of Bachmann's product range highlights the great strength that the company has. Many of its staff have more than a working knowledge when it comes to railways. For example Dennis Lovett, Bachmann's Public Relations Manager has many years of experience in the world of 'real' railways and has equal experience and knowledge when it comes to models. He and his Bachmann associates ensure, as best they can, that what the company portrays in its catalogue is as prototypical as possible.

Sadly, and just recently, the same cannot always be said about Hornby. I have been amazed over these last few weeks at the number of 'schoolboy' errors on Hornby's website and videos appearing on the Hornby YouTube channel.

For example I recently received an 'invite' to purchase the excellent Arnold 'Brighton Belle' at a favourable price. However, what actually caught my eye was the fact that the image at the top of the page surprisingly shows the two Driving Motor Cars coupled together.

Now, this is not the end of the world but it seems that whoever took the image did not receive any form of direction as to what makes up a '5-BEL' set.

Sadly this is not the only instance where attention to detail seems to be lacking. Take for example the series of videos entitled 'The Jumper' which features an LNER J15 and a BR suburban coach! Aside from the coach and locomotive being mismatched the actual video seems to me to be a shoddy piece of filming which has no real relevance to the J15. Being blunt, the whole thing simply trivialises what is really a superb model.

It is certainly not up to me to say how Hornby should promote its models but I would strongly suggest is that before anything is photographed or filmed someone who knows about railways, models or otherwise should be checking for accuracy, after all the devil is in the detail, especially in this hobby! **BRM**

Our 'industry insider' considers the recent marketing tactics of Britain's two biggest model railway manufacturers.

dapol

model railway company

Tel: 01691 774455
Fax: 01691 778866
e-mail: sales@dapol.co.uk

www.dapol.co.uk

Dapol Limited, Gledrid Industrial Park, Chirk, Wrexham, LL14 5DG

'N' releases in April

Class 27



2D-013-001 - Class 27 BR Green
SYP D5401

2D-013-001D - Class 27 BR Green
SYP D5401 DCC

Also released this month include;

2D-013-000 - Class 27 BR Blue Livery 27108

2D-013-000D - Class 27 BR Blue Livery 27108 DCC

2D-013-051 - Class 27 Dummy BR Blue 27203

2D-013-052 - Class 27 Dummy BR Blue 27212

All product release dates correct at time of going to press

'OO' releases in April



4F-013-011 - Gunpowder Van - GWR W105762

4F-013-012 - Gunpowder Van - GWR W105762

Weathered



4F-031-017 - 6 Wheel Milk Tanker - Express Dairy

4F-031-018 - 6 Wheel Milk Tanker - Express Dairy

Weathered

Also released this month include;

4F-017-013 - Lime Wagon - Glan-Yr-Afon 11

4F-017-014 - Lime Wagon - Glan-Yr-Afon 11

Weathered

4F-030-013 - 16T Steel Mineral - GWR 18623

4F-030-014 - 16T Steel Mineral - GWR 18623

Weathered

'O' releases in April



7S-010-003 - Terrier A1X Lined Green Southern 2644

7S-010-003D - Terrier A1X Lined Green Southern 2644 DCC & Sound

Terrier
NEW!



7S-010-004 - Terrier A1X LBSC Improved Engine Green 'Thames' 57

7S-010-004D - Terrier A1X LBSC Improved Engine Green 'Thames' 57 DCC & Sound

Also released this month include;

7S-010-005 - Terrier A1X LBSC Improved Engine Green 'Brighton' 40

7S-010-005D - Terrier A1X LBSC Improved Engine Green 'Brighton' 40 DCC & Sound

APPROVED

DAPOL *GOLD*
STOCKISTS

The following retailers carry stocks of all new monthly products

ALTON: **Alton Models** tel: 01420 542244
ARUNDEL: **Gaugemaster** tel: 01903 884321
AXMINSTER: **Buffers Model Railways** tel: 01297 35557
AYLSHAM: **Bure Valley Railway** tel: 01263 733858
BARROW IN FURNESS: **Crafty Hobbies** tel: 01229 820759
BIDEFORD: **Osborn's Models** tel: 01237 423453
BRISTOL: **Model Railways Direct** tel: 01275 774224
BURTON-ON-TRENT: **The Tutbury Jinny** tel: 01283 814777
CAMBORNE: **Kernow Model Railway Centre** tel: 01209 714099
CARLISLE: **C & M Models** tel: 01228 514689
CHELTENHAM: **Cheltenham Models** tel: 01242 523117

HEREFORD: **Hereford Model Shop** tel: 01432 352809
KIDDERMINSTER: **DMB/Footplate Models** tel: 01562 750076
LIVERPOOL: **Hattons** tel: 0151 733 3655
NANTWICH: **Trident Trains** tel: 01270 842400
NORTH LANCING: **Morris Models** tel: 01903 754850
ROCHESTER: **The Signal Box** tel: 01634 826370
SHEFFIELD: **Rails of Sheffield** tel: 01142 551436
STROUD: **ANTICS** tel: 01453 825381
SHEPTON MALLET: **East Somerset Models** tel: 01749 880651
YORK: **Monk Bar Model Shop** tel: 01904 659423



Hatton's are proud to announce our new project update feature. Each month we will be bringing you the latest updates for forthcoming releases across all of the major manufacturers. Updated monthly, and condensed into a simple, readable format, you can now view how far along your favourite projects are in the production cycle. You can also use our handy links to view the items online and place your preorders.

0151 733 3655
364-368 Smithdown Road
Liverpool, L15 5AN

Phone opening times Shop opening times
 Mon to Thu 7am-9pm Mon to Sat 8am-6pm
 Fri & Sat 8am-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
Modified Hall class	ehattons.com/mh	£106.21-£114.71	Mar 2012							
E4 Brighton tank	ehattons.com/gwrhc	£93.46	Mar 2013							
Class 43 NBL warship	ehattons.com/c43	£118.96	Mar 2013							
Hawksworth Autocoaches	ehattons.com/hac	£58.61	Mar 2013							
Wickham trolley car	ehattons.com/wtc	£39.06 (EST)	Mar 2013							
Class 5MT	ehattons.com/5mt	£85 (EST)	Mar 2015							
LNER Webb coal tank	ehattons.com/wct	£102.00	Sep 2014							

The following projects have not yet reached the CAD stage: Birdcage Coaches, Class 5P4F Stanier Mogul, Class 24/1, Class 90, J72, 6P, V2, 3F, J39, K3, 94xx, H2 Atlantic.

	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							

The following projects have not yet reached the CAD stage: GWR Railcar, Class 68, Class B4, IDA flat, Turbot

	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	ETA May 2015					
Hatton's King	ehattons.com/king	£169.00-£179.00	Aug 2014	Nov 2014	ETA Apr 2015					

	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							

The following projects have not yet reached the CAD stage: Park Royal railbus, Class 05, Class O2/3, Class 1366

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class J15	ehattons.com/j15	£101.90	December 2013							
Class J50	ehattons.com/j50	£74.06	December 2014							
Class 9F Crosti-boiler	ehattons.com/9fcb	£111.20	December 2013							
Adams Radial	ehattons.com/horar	£111.10	December 2014							
King	ehattons.com/horking	£148.14 - £179.99	December 2014							
Merchant Navy	ehattons.com/mn	TBC	Mar 2015							

The following projects have not yet reached the CAD stage: LMS Coaches, K-Type Pullmans, D16, Class 700, Class S15.

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
7 plank private owner coal wagons	ehattons.com/oxcw	£9.00	Jan 2015							
Adam's Radial	ehattons.com/ar	£88.00	Jan 2015							
Hatton's ICI mineral hopper wagon	ehattons.com/ici	TBC	Mar 2015							

www.ehattons.com/projectupdates

Information correct at the time of going to press. All information subject to change

FREE 16-PAGE MINI-MAG



UK PRODUCTS

2015

- Legacy Trackwork • Cobalt Alpha
- Choosing the right power supply
- Buddha: The Large Scale Decoder

AND MORE...

FREE WITH MAY 2015 BRM

DCC thinking outside the square
concepts



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!



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

WELCOME...

To Your Free



UK Products Mini-Mag



In recent years DCCconcepts has grown to become one of the best-known suppliers to the British model railway trade. While the name suggests it is a Digital Command Control specialist, the reality now is that its range is much broader and more comprehensive.

As 2015 unfolds, the company is unveiling more and more products that will appeal to modellers outside its previous DCC audience. Arguably the most important among these is the 'Legacy' track range, which is making its debut with pointwork kits and track components but should gradually grow into a complete British outline track system. For a first glimpse of 'Legacy' products, see Phil Parker's article in this month's **BRM**.

In this latest mini-magazine, you'll see more of the company's new and forthcoming items that further expand its expertise, improve on existing, widely-used products, aim to make life easier - and achieve more - for those of us building

model railways. As an experienced modeller, DCCconcepts founder Richard Johnson is fully aware of the difficulties and obstacles we all face and is constantly seeking ways to improve our model railway experience. As you'll see in the following pages, he's also keen to encourage modellers to aim higher and strive for better standards, whether it be in track, power supplies or DCC functions.

Whether you're using DCC or not, the company has products that solve long-standing problems using clever technology, or just a bit of good old-fashioned nous. Over the last few years we've used a wide range of DCCconcepts products in various products and found them to be well-made and reliable. There are plenty more in the pipeline, and we'll bring you more on these developments in **BRM** over the coming months. Look out also for DCCconcepts products being used in a range of 'Practical BRM' articles throughout 2015.

BRM

British Railway Modelling
is published by Warners Group
Publications plc
Tel: 01778 392455
Fax: 01778 425437



Views of fellow contributors should be sent to outline items 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 August send reputable companies the names and addresses of readers who have responded to offers, services and competitions organized by BRM. If you do not wish to receive such mailings, please write to Warners Group Distribution, Dept 985, Manor Lane, Bourne, Lincolnshire PE10 9PH or call 01778 391155

EDITORIAL MANAGING EDITOR

Ben Jones
E benj@warnersgroup.co.uk
FEATURES EDITOR
Howard Smith 01778 392059
E howards@warnersgroup.co.uk
FEATURES WRITER
Phil Parker
E phil@pagenumberone.co.uk
RMWEB EDITOR & BRM PHOTOGRAPHER
Andy Trow
E info@rmweb.co.uk
TRACKPLAN ILLUSTRATOR
Ian Wilson at Pacific Studio
E ian@pacificstudio.co.uk

ASSOCIATE PUBLISHER

Steve Cole
E steve@warnersgroup.co.uk
PUBLISHER
John Greenwood
E johng@warnersgroup.co.uk

ADVERTISING

GROUP ADVERTISING MANAGER
Bev Machin 01778 392055
E bev@warnersgroup.co.uk
MULTI-MEDIA SALES
Scott Johnson 01778 395002
E scottj@warnersgroup.co.uk

DESIGN AND PRODUCTION

HEAD DESIGNER
Lisa Watson-Balley
E lisaw@warnersgroup.co.uk
SENIOR R. 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 james@warnersgroup.co.uk

PRODUCTION

Pat Price 01778 391115
E patp@warnersgroup.co.uk

DISTRIBUTION

TRADE ACCOUNT SALES
Natalie Cole 01778 392404
Vicky Courton 01778 391150
E tradeaccountorders@warnersgroup.co.uk
UK/OVERSEAS NEWSTRADE SALES
Keiron Jeffries 01778 395043
E keironj@warnersgroup.co.uk
NEWSTRADE DISTRIBUTION
Tom Brown 01778 391135
ISSN 0968-0764

SUBSCRIPTIONS & BACK ISSUES

01778 392002

PRINTING

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

DCCconcepts LEGACY

Full of clever innovation...

The Legacy track range from DCCconcepts is growing quietly...

Since DCCconcepts announced it was looking to make more realistic UK style track a reality, it has slowly grown the range of products available. Initially concentrating in the area of trackbuilding, it is now assembling an impressive range of high-quality products which will all become part of the DCCconcepts 'Legacy' brand. It started with what are possibly the best quality gauges available

to British outline modellers. Made in hard brass to an impressively tight dimensional specification, they are intended for use with OO and all of its possible back-to-back and pointwork and track permutations, EM and P4. N gauge is also catered for with back-to-back gauges and Roller Gauges. The range of 17 different gauges covers roller gauges, three-point gauges and our very popular back-to-back gauges.

They can all be seen in detail at:

<http://www.dccconcepts.com/catalogue/h/dccconcepts-gauges>

Pre-Cut Trackwork Sleeper Frets

DCCconcepts has taken the boring part away from making track with copper-clad, while also greatly increasing the potential quality of results by creating a wide range of top quality pre-etched and pre-cut frets at a very reasonable cost.

These sets of pre-cut sleepers are designed to be used in the creation of plain track and pointwork.

Each set includes enough to make several variants of that point type; for

example, the standard turnout fret will let you make ANY turnout, left, right or curved, in any size between an A5 and a B9. Other frets have similar flexibility!

Available in 1.0mm thickness for chaired bullhead track or 1.6mm for directly soldered bullhead or flat bottom rail, each sleeper is pre-cut and the copper has been pre-etched to leave it only where needed. All copper areas are also pre-tinned, so even that step is done for you! With nothing to do but snip from the fret and lay the sleepers, what was once a boring task is now done in minutes, making trackbuilding a pleasure!

They can all be seen in detail at: <http://www.dccconcepts.com/catalogue/g/track-and-track-making-parts>

Templates are available too - free of charge. There is a template link on every fret page, or they can be downloaded from here. <http://www.dccconcepts.com/resources/tracks-and-track-making?id=manuals>

Stainless Steel BS95R Rail

This is a real winner. Made from Series 3 stainless steel, this bullhead rail can be used to replace existing bullhead in steel or nickel silver and has two HUGE advantages:

Firstly, it does not rust and pit like steel rail, nor does it oxidise and need cleaning far too often like nickel silver rail. Of course, to the modeller that cares about appearance, it has another advantage - it really does look like steel! Legacy BS95R bullhead rail is consistent with other bullhead rail so can be adopted at any time. It is the perfect answer for those who want realism and better layout performance. Legacy stainless steel rail can be cut with standard track cutters, filed

normally and generally used just like nickel silver or steel.

With a little practice it can be soldered easily too - all you need do is properly clean the area to be soldered with a file, fibreglass pen or 'wet and dry', turn a 50W or greater soldering iron up to maximum heat and most importantly, use DCCconcepts Sapphire 179 solder and no-clean flux for perfect results! (very few other solders and fluxes will work even nearly as well). It's available in tubes of ten lengths or bulk packs of 120 lengths.

SEE PAGE 106
OF THIS MONTH'S
BRM FOR PHIL
PARKER'S GUIDE TO
BUILDING A 'LEGACY'
POINT KIT.

Bullhead Rail Fishplates

Made from phosphor bronze, these are superbly fine and something totally unique. Each fishplate has full bolt details each side and has been designed to look more realistic than traditional rail joiners, with a clear portion in the base where rails join. They are both strong and versatile and as you can see from the images, a real 'scale model' in their own right. They are available now, packed in 25s and 100s, and should find a home on many layouts very quickly.

They can all be seen in detail at: <http://www.dccconcepts.com/catalogue/g/track-and-track-making-parts>

MORE TO COME...

If realistic track is important to you, keep an eye on this interesting new range. Here are a couple more new things that will happen very soon!

- A superbly high quality common crossing (frog) assembly jig is in development. Like Legacy gauges, they will be being made to tight specifications in hard brass, this time with solder-sensitive areas pre-blackened. Two versions will be made, one for No. 9, No. 7 and No. 5 frog angles and another for the more commonly used No. 8, No. 6 and No. 4 frog angles. They will also include blade filing slots making track construction easier than ever. They will not be low cost items, but they WILL be top-quality tools to last a lifetime.

- Top quality cast-brass chairs are coming soon too. Intended to be available now,

they are delayed slightly as DCCconcepts will not proceed without all of the many original drawings needed for a full, proper set of BR turnout chairs. The chairs will be design-matched to DCCconcepts 'Legacy' rail and the intention is to make complete sets for turnout construction at a price not far removed from that of plastic chairs today.

- With rail and fishplates already done, flexible track is not far away. DCCconcepts is aiming for delivery by late this year (hopefully in time for the Warley NEC show) for all of these items. See www.gaugemaster.com for UK prices and availability of all 'Legacy' products.

COBALT IP DIGITAL

It Just Gets Better...

Let's open the pack and take a look at the outside...

Physically, it's almost identical to the original Cobalt Digital from the outside, except for the addition of one more wiring terminal and a more conveniently placed set/run switch. It is in fact totally new, inside and out!

DCCconcepts has also added the very popular double sided mounting pads into the fitting kit, saving you the need to purchase them, and all 'New Generation' Cobalt motors now leave the factory already pre-centred, so you do not have to bother doing it before installation.

You will also see that there are nine terminals rather than eight. This is because there are now two push-button control connection points not one, giving perfect interfacing for DC or DCC control panel use and making interfacing with layout automation or computer control easier than ever.



Totally new power control electronics

The 'iP' in the name stands for 'Intelligent Power' and the all-new internal power management electronics are indeed smart. As a result, Cobalt iP Digital is incredibly voltage tolerant! In fact it now draws almost no power at all yet it will operate quite happily, all day every day, with either DC or DCC voltages from 9V right up to 23V.

With stand-by current also reduced to less than 0.005Amps (5/1000ths of an amp) the power Cobalt iP Digital needs only increases for a couple of seconds as it changes, and even then, it still draws less power than a white LED.

This means that even with lots of them on the layout, your system will not even feel the load!



Redesigned Digital 'DCC Control'

Starting with a bigger and more easily used switch to move between DCC address setting and running, we have now added the option for two switches for manual control as well as full DCC digital operation. Cobalt iP digital is also now the best choice for DC modellers too! For DCC modellers it is 100% DCC-compliant and offers the easiest and most direct address setting available.

With the original Cobalt Digital, we were often asked about reversing the direction of throw to match computer control systems or awkward installation positions that needed it to face the other way, so Cobalt iP digital includes that option too, using 'Address 197'. Follow the instructions packed with each Cobalt iP Digital to use address 197 and it will 'flip change direction' for you.

Once that's done all you will need to do is set it to the address you want for all future operations and it will respond just as you want it too. Available in singles, 6 and 12 packs, Cobalt iP Digital has a well-supported lifetime warranty and is equally usable for point control by DC or DCC modellers who need reliable, quiet and easily wired point control.

Cobalt iP digital...

Now incorporates three useful DCC commands to make life easy for you.

These use rarely needed addresses to activate, so all you need ever learn is one simple process.

1. Address 199 will activate 'self-centring' so you can easily return it to the best installation position if needed
2. Re-setting it to address 198 will defeat self centring
3. Setting to address 197 flips the change direction.

YOU WILL
FIND DETAILED
INFORMATION ON USING
AND WIRING COBALT
MOTORS AT www.dccconcepts.com

Inside Cobalt iP Digital:

An all-new gear train with shorter shaft lengths and slightly tighter tolerance makes it quieter than ever in operation, and with any unused space now completely filled with synthetic rubber inserts for sound insulation, it is exceptionally quiet.



See www.gaugemaster.com for UK prices and availability

COBALT α ALPHA



When DCC was first promoted, the phrase 'just two wires' was commonly used. It never was just two wires of course, and while DCC wiring gives great control and is certainly much simpler than wiring was for DC analogue, it still needs lots of wire to keep things connected.

It is NOT just about DCC though! DC or DCC - it doesn't matter. Nowhere is the problem of wiring complexity more obvious than when a control panel is added, because as well as track wiring we now need to add wires for switches and accessory decoders, LEDs and switches for turnout position indicators as well as for feeding power to various locations.

Think about it - at least two or three for switch connections to any point, signal or other accessory. Add power wires and LED indicators and switches and that figure more than doubles. It really adds up so that even a smaller layout with any form of electric point control is usually going to have 100 or more wires linking a control panel to the layout. There will be lots more wire in the

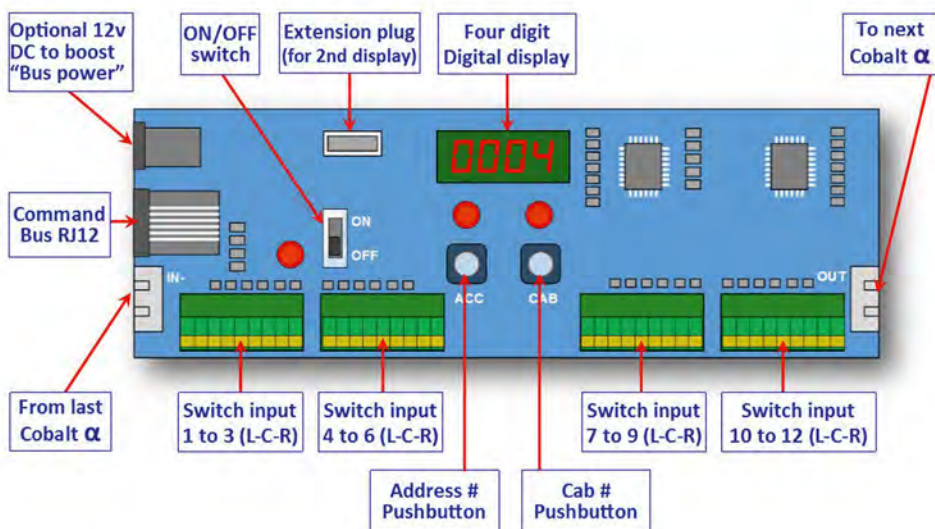
“Simplicity is the ultimate sophistication”

Leonardo Da Vinci

control panel and under the baseboards too. Perhaps it's fun for some, but it is a nightmare to others and always, it has the potential to be a real chore, a deterrent to some modellers taking up the hobby and a constant maintenance problem! It affects DC or DCC users equally so we've been thinking hard about how to solve it.

“Why do I still need all these wires?”

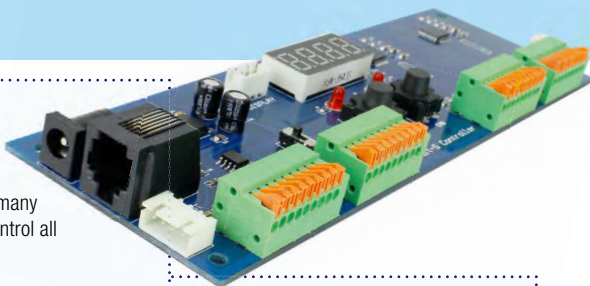
Inspired by a simple, innocent question from a customer a year or so ago
we set out to create something, anything, that would make it easier! We think we have succeeded, so please read on!



Cobalt α Alpha is the answer!

Cobalt Alpha can independently control 12 different items needing a single-pole double-throw type switch for control. It does not care how many devices are linked to its outputs so just ONE can control all 24 turnouts in a 13 track fiddle yard!

- Cobalt Alpha takes over the job that all those interconnecting wires used to do
- Cobalt Alpha is equally usable on DC or DCC layouts. It really does not care how you drive your trains!
- Cobalt Alpha is simply placed between any kind of control panel switch and any DCC accessory decoder located at, on or in the accessory being controlled
- Cobalt Alpha works equally well with Cobalt-S levers or simple push-button switches as well as stud-and-probe systems or any imaginable form of switch
- Cobalt Alpha can be connected directly to detectors or similar items to add completely automatic operation commands or to trigger actions on the layout.



Because it is effectively a 'robot interface' for digital control, it is very versatile. Multiple Cobalt Alpha units are easy to connect with a simple cable to create a continuous series of hundreds of outputs. Or, for more complex DCC use, it can be used in an individually 'cab addressed' series-parallel arrangement that is only limited by the ability of the controller brand that you will use for driving the accessory bus. There is really almost no limit to how many you can use.

It doesn't matter if you drive your locomotives with DC or DCC, it will work for you... and make your life easier, because Cobalt Alpha connects your control panel to the layout via either the DCC command bus - or, for DC modellers, via ONE cable.



A journey around Cobalt α Alpha

The overall PCB is approximately 180mm long by 58mm wide. It is intended to live in your control panel as a 'fit and forget' solution. The basic Cobalt Alpha connects directly to the NCE command bus. A universal 'Alpha box' is available for those who use AC or DC to drive trains, those who separate accessory control from train running or whose DCC systems have inadequate accessory control ability. Adapters are being created now for many other DCC brands too - So Cobalt Alpha will soon work for everyone!

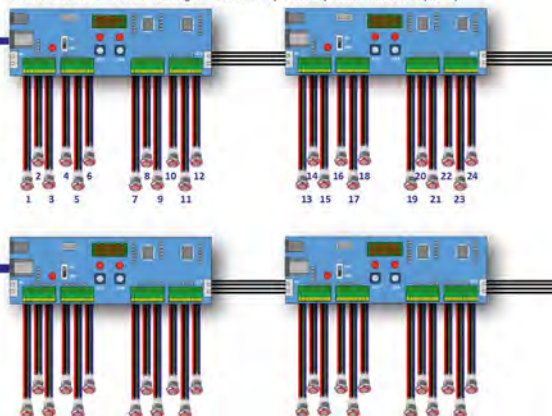
While it is quite complete 'as bought' (with the required interfaces if needed) we also realise that modellers might like to be able to see it work each time, so we have also added an 'extension display' socket to the PCB, and will make an extended display with 450mm cable and mounting bezel available at the same time as Cobalt Alpha's release.

Many Cobalt Alpha units can be connected, with the only real limit being imposed by the DCC accessory decoder address limit of 2,044 numbers. Cobalt Alpha is therefore able to give massive added opportunity to DC modellers and extend the usability of all 'full feature' DCC systems.

Cobalt α Alpha "General system architecture"

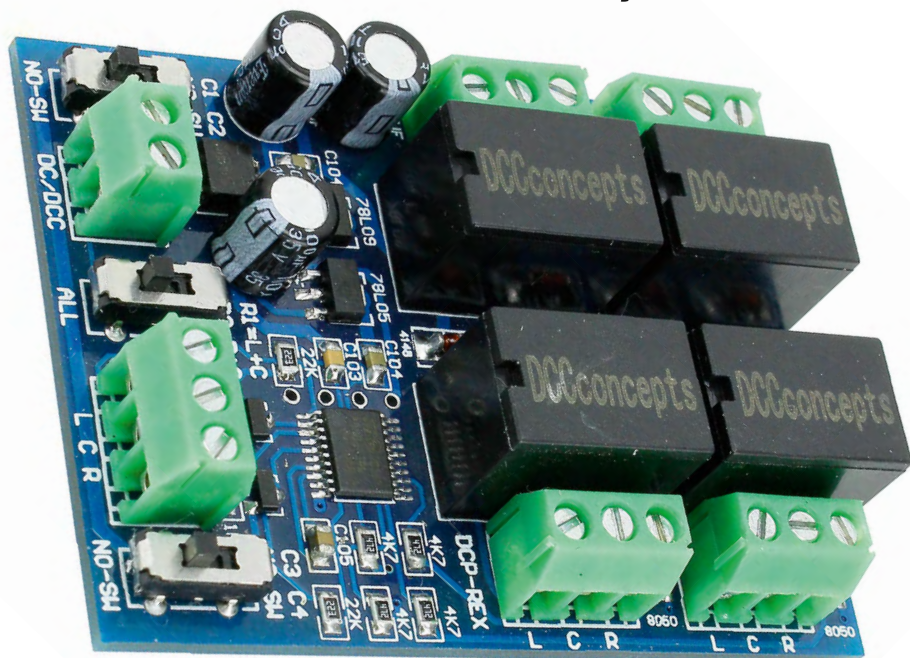
For DC users: This is a "Black box" device that connects to a "Digital Accessory Bus"
For other DCC: This is an "interface" device created especially for YOUR DCC system
For NCE users: Just make a connection to the NCE standard LTP or command bus

Connect them before turning on and they'll automatically set themselves to the right address sequence
There can link more than 100 of them together to create any address up to the limits of DCC (2000+)



ULTIMATE VERSATILITY

Cobalt REX relay extension board



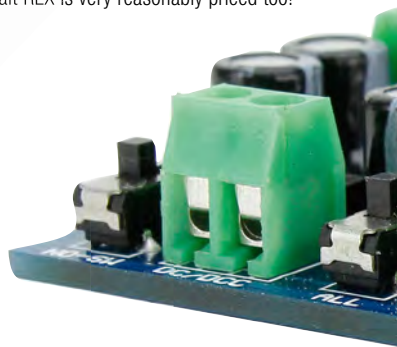
When we create anything, we do our best to make sure that it is equally useful to DC and DCC modellers. We also always try to include as many useful features as we can.

We also try to make things either switchable directly and able to be triggered by things such as detectors, hall triggers and reed switches because modellers love to be creative. So, we did all of this when we added yet

another switch to the acclaimed Cobalt range and we added LED control and frog switching to our Solenoid accessory decoder ranges. Inevitably though, there are some situations that still just need more, or things that the endlessly creative minds of modellers want to do that need something switched. So we created the Cobalt REX. Now you really CAN do anything you want.

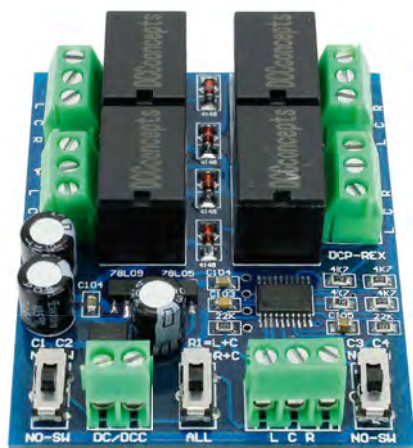
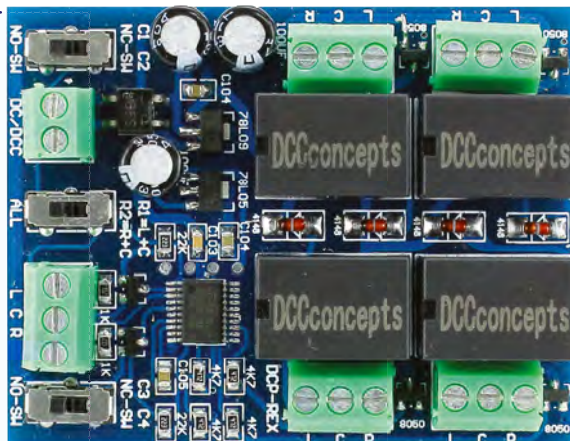
Even better, Cobalt REX is very reasonably priced too!

“There is no point doing things by halves. It’s a philosophy we love to work to, and Cobalt REX is a product that fits in with that concept very well!”



Cobalt REX is a small, but clever switching board fitted with four single-pole double-throw (SPDT) 3Amp relays that can be switched any way you want and configured to achieve any possible result we can think of!

- REX will work on 9~18V DC or with DCC track power
- REX has four built-in SPDT changeover switches (relays)
- REX can change them all at once, or become two separate devices just by moving a switch
- REX can be controlled by N.C. (on-on) switches or N.O. (normally off) switches. In fact you can operate each half separately and either way - again just by changing a switch!
- REX has power-off memory so it remembers switch positions when you turn the power back on
- REX has easy-to-understand wiring and easy to use screw terminals
- REX is easy to configure. Just three switches give access to all the options
- You can't even lose the instructions because we printed most of the important stuff, switch-by-switch and connection-by-connection, directly onto the PCB!



WE CAN'T POSSIBLY FIT ALL WE WANT TO TELL YOU INTO THIS BOOKLET, SO WE HAVE IT ALL ON OUR WEBSITE FOR YOU TO SEE - ALONG WITH A DETAILED MANUAL IN OUR ADVICE AND MANUALS AREA.

See www.dccconcepts.com/catalogue/a/Point-Motor-Accessories or take a look at the manual here: www.dccconcepts.com/resources/cobalt-products?id=manuals

ELECTRICKERY

THE MODELLERS' CURSE

If there is **ONE** thing that modellers really **DO** need to come to grips with today, it is the reality of electricity and power supplies for the many items they wish to use on their layouts.

Electricity and its use - or misuse - is the cause of 99% of confusion, failure and frustration to modellers and manufacturers alike. Firstly because they can't get the results they want, and secondly because it causes huge costs in customer service. Great care is required when explaining that whatever it was, it failed because the modeller failed to understand or follow instructions properly and use the right power supply!



History

For generations, train controllers have been at the root of the problem. Initially it did not matter, but now it **DOES**! Take any old DC controller; H&M, Hornby Dublo or Tri-ang, or indeed any current DC controller from Gaugemaster or others, and the problem is there too. They simply do **NOT** do what it says on the tin!

Unless loaded to their limits, the claimed 12V to the rails is really 16V or more. The terminals labelled '12V DC uncontrolled' are actually 16V or more and the AC terminals labelled '15V AC' are probably 18V+ with no real load on them. We can ignore the really rough DC output with no regulation for now!

This was perhaps acceptable when the train just went faster and all a bulb did was get far too hot, but that is not the case today where lighting is designed to run at realistic levels, lower voltage motors are fitted inside our locomotives and digital devices need clean DC, specific voltages and stable power delivery to work at their best – and more importantly to last.



Train controller circuits are usually totally unprotected at the mains side, so if there is a power surge or lightning strike, every extra volt will come through directly to your layout, damaging electronics, bulbs, decoders or anything else that gets in the way.

It doesn't matter whether you drive your trains with DC or DCC, it is time to stop, think and start to do it properly if you want to get the best from the hobby in the 21st century.

Our Recommendations

- Stop using your old trainset controllers. The older they get, the more dangerous they become as rubber insulation fails and the lacquer in transformer windings ages and cracks. If you have others around the layout, it is time to replace them, because even when they were new they would not have met today's safety standards.

- Only use newer trainset controllers to drive the trains OR for their AC outputs to change solenoids.

- Power your DCC system with a regulated DC power supply, not an AC supply. All DCC systems will be more stable when powered with a good quality DC supply.

- STOP thinking 12V for everything else. It has never been a 12V hobby really! Solenoids need 18V or higher. Model Lamps almost always need 3-6 volts, not 12V. Trains need 10~14.5V DC, depending on scale (higher for large scales). Everything else needs exactly the voltage it says on the instructions, no more, no less!

- Match power to the device being powered. Instead of an 'accessory bus' or a 'Lighting bus', run a 3V bus, a 6V bus, 9V bus and a 12V bus if that's what your items need.

- Stop using ONE power source for everything unless you understand ohms law properly and actually measure current draw before choosing resistances. It makes NO sense to add resistors to drop voltages as all you are doing is wasting electricity and generating heat, because that is what resistors are designed to do!

- NO power supply should have more than 75% of its limit used all of the time. This is just common sense.



Nothing lives at its extremes. Your car may be able to do 7,000rpm and deliver 350hp, but how long will it last if run constantly like that?

- Be kind to power supplies. Do NOT assume that any power supply, whether 1, 3 or 5Amp will last long if loaded constantly to the limit. Power limits are quoted for a reason!

- You can still save money. Look in the bottom drawer. There will be power supplies from mobile phones, modems, redundant electrical devices or old computers. Read the labels. Look for the words 'regulated DC' and if they are there, they are ideal for us to use. If not, recycle them!

- If you need to buy new, buy only regulated DC power supplies. 'Regulated' indicates that the voltage will be stable from low to high loads, so this is the ideal for today's electronics. Do not accept anything else.

- Treat power supplies with respect. Limit loading by calculation, not guesswork. Assess everything you use or run on the layout, but be generous in the allowance. For each locomotive running at one time, allow 100mA for N, 150mA for OO/HO and 300mA for modern O gauge. For motor drive point motors, allow 30mA and for any lamp 50mA if incandescent, 10mA if an LED. Do this with all constant load items.

AND FINALLY...

This is a huge subject and we do not have enough space to cover it all, but we will re-visit it soon.

Meanwhile, for those for whom electricity is akin to witchcraft, it might help you to think of it like plumbing. It really will give you a clue as to what happens when electricity flows.

- Power Supply is the pump
- Volts are the water pressure
- Amps are the water volume
- The Wire is the pipe
- A capacitor is a water tank (storage)
- A resistor is a restriction in the pipe (Increases pressure/restricts volume)
- Any restriction in the pipe needs increased pressure to maintain flow

- A switch is a valve
- The bigger the pipe, the more can flow (more electricity without resistance)
- Balance the pipes or the water will not flow evenly in the system. Ever been in the shower when someone turned on the cold tap elsewhere?
- Try to add too much pressure into the pipes (wire) and the pipes will burst (wire will melt) and if you do it for too long, the pump (power supply) will fail.

YOU'LL FIND LOTS
MORE ABOUT WIRING
AND POWER SUPPLIES AT
www.dccconcepts.com.
FEEL FREE TO EMAIL US
THERE IF YOU HAVE
ANY QUESTIONS...

MAKING FINER MODELLING EASIER

A new and innovative tool from DCCconcepts that will give a lifetime of useful service.

One of the things that is obvious - to me as a finer-scale hands-on modeller - and to us as a business, is that while the vibrant 'cottage industry' areas of the hobby excel in the creation of unique accessories, the hands-on part of UK's 4mm scale modelling scene has never really had any focussed support in the shape of truly high-quality 4mm scale oriented tools.

There are some excellent general suppliers who offer tools adopted and adapted to the hobby, but whereas HO and other scales have many specific scale-centric items to choose from, unless they know where to look and how to adopt things, modellers of British prototypes are largely left to their own devices. We therefore decided to create something entirely new... and very useful: a dedicated 4mm:1ft scale ruler made with the best possible materials and methods, fully embossed, made to tight tolerances and including something of huge value to any modeller who delights in creating their own models or adding detail to ready-to-run products.

On the surface, it was not so difficult to do, but reality soon strikes when such things are created. Making the accurately spaced holes is a great example; we wanted them to be really small so modellers wanting true-scale results could use wire down to a scale 1" or 0.3mm for handrails, enlarging holes only as needed for larger diameters.

That makes the hole much smaller than the thickness of the ruler material, so it is no longer possible to drill or punch (no machine shop will tolerate the tool breakages that would result) and it is difficult in the extreme to etch it reliably in a harder grade of stainless steel! The answer was laser cutting.. Sounds easy doesn't it, but because modelling accuracy demands many possible handrail sizes, there were more than 120 holes to be placed very

accurately on the ruler. Each is offset only slightly, and each 'handrail line' also needs a perfectly matched indent from hole to ruler edge to register the handrail ready for its 'second bend'. The finished ruler is now "off the line" and you will not be disappointed. DCG-SR4 is a magnificent tool.

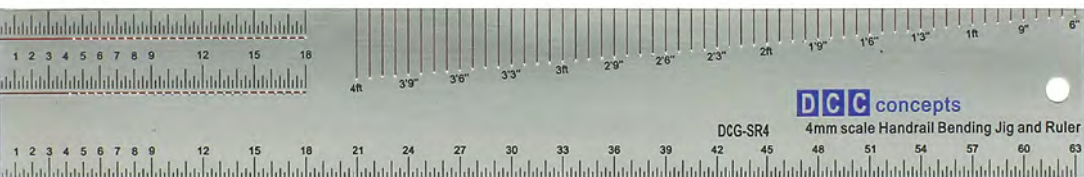
An accurate scale rule that incorporates a comprehensive handrail bending jig that will make ANY handrail size possible from 6" to 18' 0", in increments of 0.25mm (less than 1") from a scale 6" to 48" along the side, and in increments of 1mm or 3" using the two end jigs, which give an extended handrail range from a scale 48" to 18' 0"!

Even better, because of the '1 inch scale length steps' you can simply offset by one or two holes (depending on how thick the handrails are supposed to be) to accurately create the difference between internal or external handrail length. While the tool is nominally to 4mm scale, modellers in N or HO will find it equally useful, as long as they can make simple calculations to suit their chosen scale.

Added value included! While we recommend using a high quality reamer to enlarge holes for larger wires, we recognise that many modellers will not have such a tool to hand when they purchase the ruler. We know only too well that there is nothing more disappointing than unwrapping a new tool and finding that you still need to buy yet another item to let you get started, so we have included a 0.5mm titanium coated HSS drill with each rule.

A truly comprehensive, very accurate handrail bending jig

DCG-SR4 will last for a lifetime's modelling. It is available now from www.gaugemaster.com and Gaugemaster/DCCconcepts stockists nationwide. UK price is £29.50.



ZEN BUDDHA

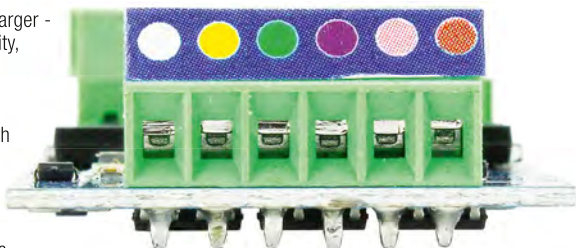
**The affordable,
easily
installable
and almost
'unkillable'
DCC decoder
for larger
scale models.**



'Zen Buddha' is fantastic value for O scale and larger - it's perfect for all modellers needing a high-quality, high power DCC decoder.

'Buddha' is tough enough for large scale but small enough to fit some On30 and even large, brass HO scale locomotives. Made to comply with the usual DCC standards and designed from the ground up to be installer-friendly, it is available with four or six functions, a continuous power rating of 3Amps and peak rating of 5Amps. Buddha meets all larger locomotive requirements yet still remains small enough at 40mm x 25mm x 10mm to fit almost anything.

Larger locomotives need slightly thicker gauge wire to cope with the extra power, so we opted for screw terminals all round. Each terminal is labelled with a coloured dot that matches DCC wire colour standards, so



deciding which wire goes where is easy. We also give you a wire standards reference in the comprehensive instructions packed with each decoder.

'Zen Buddha' also comes with a larger ceramic capacitor based 'Stay Alive' unit to help prevent cut-outs and keep locomotive drive as smooth as possible. We think that you will find its running qualities something special. A two-wire plug connector makes installing the Stay-Alive easy too.

We went all-out to make 'Buddha' extremely tough; in fact we were tempted to say that the new decoder was unbreakable, but experience has taught us that modellers are endlessly creative when it comes to destroying electronics!

Why Did We Do That?

Nobody wants to see a decoder fail, but so many O scale locomotives have older high-current motors or are of heavy brass construction, so the chances of accidental errors in wiring and unexpected short circuits are very much higher than with RTR locomotives in smaller scales.

We therefore add it all; protection from short circuits, from direct accidental linking of input track voltage to motor outputs and from over-current, overloading and overheating. Do any of these things and 'Buddha' will simply switch off and stop, only allowing a restart after you have 'broken power' by lifting the wheels off the track momentarily. So: 'Zen Buddha' really IS just about unkillable!

It is available now direct from DCCconcepts, Gaugemaster or Gaugemaster stockists throughout the UK. See www.gaugemaster.com for UK prices and availability.



FIND OUT MORE
'ZEN BUDDHA' AT
www.dccconcepts.com/catalogue/c/zen-decoders



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.

