



We've got the Power

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









Welcome to

MODEL RAIL October 2015

ook at the above image. This 'O' gauge Armstrong '517' O-4-2T was built by Tony Reynalds for Adrian Knowles and it's exquisite. Put it under studio lights and you'd get a great photograph. But it would be a photograph of a model locomotive.

But place the model into a scene and, with the right lighting, it takes on a life of its own. You get a sense of theatre, of drama. You can almost taste the thick, claggy smoke that would roll from the chimney as it's lit up, feel the dirt and grime in the shed, imagine the cleaner giving the paintwork a last buff before No. 1157 heads off for its day's work - apart from the smoke effects there's no Photoshop involved - this is 100% model.

That distinction is what forms the backbone of this very special issue of Model Rail. We've featured realistic modelling before but never have we pulled together so many great images and great modellers to celebrate what we've called the 'art of modelling'.

What do we mean by that? The joy of a Constable landscape is that it's not a photograph. It's almost as realistic but it's actually the brush marks, the little bits of real life that aren't included that, paradoxically, emphasise the skill of the artist. It's as close to a photograph without being one and that's what we marvel at.

It's a complex thing to get one's head around, yet - assuming I haven't lost you completely - it applies to modelling. The best modelling could be photographed and passed off as the real thing, but there's just enough that says 'this is a model' - that's the mark of great modelling.

Staff Writer Mike Harris has done a sterling job tracking down some of the best model making around, using the website www.miniscaping.com It's opened the doors to modellers throughout Europe and North America but we, of course, have 'modelling artists' closer to home, such as Allan Downes, Chris Nevard and our own George Dent.

Unfortunately, modelling of this calibre does prompt that little voice in your head to shout "never in a million years could I do that" and you have that urge to throw away everything you've done and take up another hohhvl

But despair no longer. George Dent demonstrates some simple techniques to achieve the realism we all crave, while Pelle Søeborg, one of the world's greatest railway modellers, once again graces the pages of Model Rail and reveals some of his trade secrets to set you on the road to generating your own work of art.

Richard Foster

MEET THE TEAM

Q: What's your favourite piece of modelling in this issue?



Richard Foster Editor Pelle's lavout makes me want to drive across America in a Mustana. listening to Steppenwolf.



George Dent Deputy Editor Marcel Ackle's dereliction diorama. I love the choice of colours and the different textures



Chris Leigh Consultant Editor Bill Michaels' saw mill is iust like the McLean Steam Sawmill on Vancouver Island.



Mike Harris Staff Writer Joey Ricard's work inspired me to search beyond the UK for top class modelling.

Regular Contributors



Peter Marriott Scenics Specialist



Chris Nevard Photographer

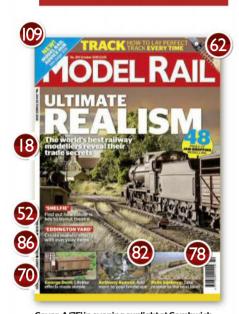


Modelling Consultant



Modern image 'N' gauge

IN THIS MONTH'S MODEL RAIL



Cover: A '7F' in evening sunlight at Combwich. CHRIS NEVARD

Model Rail is available now on **Google Play**

and on the **Apple App Store**









CONTENTS OCTOBER 2015

WHAT'S NEW

6 News

Bachmann announces two new DMUs and Revolution Trains asks for your help to realise two new projects.

8 Reviews

Hornby's RailRoad Crosti '9F' and Heljan's Metropolitan Railway electrics go under the *Model Rail* microscope.

FEATURES



36 LAYOUT: Braysdown

Alan Parr tells David Brown about how his ambition to build a large rural colliery layout stretched his modelling skills.



48 Weird Sisters

Mike Harris and Richard Foster take a look at the real lives of our quirky review models, the Crosti '9F' and the Met electrics.

52 LAYOUT: Shelfie

Mike Harris talks to Paul Marshall-Potter and discovers why colour should be at the forefront of every layout builder's mind.

LAYOUT: Eddington Yard

Mike Harris speaks with Neil Mason, whose gritty modern image modelling is more than befitting this Art of Modelling issue.

94 Discover a taste of Jersey

A selection of layout ideas inspired by the most overlooked 15 miles of railway in the British Isles.



1043mm Show Preview

Worsley Works has organised a special exhibition to mark the 3mm Society's 50th anniversary.

REGULARS

16 Subscribe to Model Rail

Turn to page 16 for this month's special offer

77 'USA' offer

Order our exclusive ready-to-run 'USA' 0-6-0Ts.

106 *Model Rail* Exclusives

Order your limited edition Model Rail models.

107 Exhibition Diarv

What's on in your area.

160 Index of Advertisers

161 Backscene

Chris Leigh revisits a favourite haunt









TO MODEL RAIL & GET THIS FIRE ENGINE SET



CONTACT US

Media House, Lynchwood, Peterborough Business Park, Peterborough PE2 6EA E-mail: modelrail@bauermedia.co.uk



If you or someone you know are aged between 16 and 24 and are interested in work experience opportunities at Bauer Media go to www.qothinkbiq.co.uk

EDITORIAL

Telephone: 01733 468000
Editor: Richard Foster
Deputy Editor: George Dent
Consultant Editor: Chris Leigh
Staff Writer: Mike Harris
Model consultant: Dave Lowery
Editorial Assistant: Jane Skinner
Production Manager: Mandy Brett
Art Editor: Matthew Hunt
Design: Graham Copestake
Production Editor: Mike Wright
Sub Editor: Richard Hampson
Photography: Jacques Portal, Chris Nevard
Artist: Andrew Mackintosh

ADVERTISING

Senior Sales Exec. Display:
Gemma Smith 01733 366379

E-mail: gemma.smith@bauermedia.co.uk
Sales Exec classified:
Stacie Limbert 01733 366384
Commercial Manager:
Sheryl Graham 01733 468256
Commercial Director:
Sarah Crown 01733 468320

Group Advertisement Manager: Karen Gardiner 01733 468288

MARKETING

Telephone: 01733 468171
Marketing Manager: Beverley Mason
Direct Marketing Executive: Kieran Cooke
Head of Newstrade: Leon Benoiton
Newstrade Marketing: Sam Tomblin

PRODUCTION

Telephone: 01733 468377.

Print Production Manager: Richard Woolley
Advertising Production: Zoe Bellamy
Printed by: Wyndeham Southernprint,
Poole, Dorset BH16 5SN

SUBSCRIPTIONS & BACK ISSUES

To ensure that you don't miss an issue and for the best subscription offers visit www.greatmagazines.co.uk

For subscription or back issue queries please contact: CDS Global on bauer@subscription.co.uk

Telephone: 01858 438884

Telephone from overseas: +44 (0) 1858 438884

For binders call 01733 840111

BAUER CONSUMER MEDIA

Managing Director: Tim Lucas
Editorial Director: June Smith-Sheppard
Head of Digital: Charlie Calton-Watson
Group Direct Marketing Director: Chris Gadsby
Finance Director: Lisa Hayden
Group Finance Director: Sarah Vickery
Group Managing Director: Rob Munro-Hall
CEO: Paul Keenan



From January-December 2014 Model Rail sold an average-of 26,988 copies per issue, as independently confirmed by the Audit Bureau of Circulations (ABC)

COMPLAINTS: Bauer Consumer Media Limited is a member of the Independent Press Standards Organisation (www.ipso.co.uk) and endeavours to respond to and resolve your concerns quickly. Our Editorial Complaints Policy (including full details of how to contact us about editorial complaints and IPSO's contact details) can be found at www.bauermediacomplaints.co.uk. Our e-mail address for editorial complaints covered by the Editorial Complaints Policy is complaints@bauermedia.co.uk.

Bauer Consumer Media Ltd, whose registered office is at 1 Lincoln Court, Lincoln Road, Peterborough, PET2RF. Registered in England and Wales company number 01176085, VAT no. 918 5617 01.

Moor Bay

62 Track layout

COVER Track laying is one of the most fundamental tasks. Dave Lowery & George Dent offer a range of tips on how to get it right, first time.

Looking for an article from a previous issue

of MR? Search the online index at:

www.ukmodelshops.co.uk/ModelRail

67 Dave's Modelling Diary

Dave Lowery presents an update to his extensive 'O' gauge empire, using innovative DCC turnout control.

The art of George's modelling

COVER *Model Rail's* modelling supremo George Dent shares a wealth of tips that can add an artistic touch to your layout.

Pelle's art of modelling

COVER Peter Marriott gets the world famous modeller Pelle Søeborg to spill the beans on his modelling ethos and inspiration.

Make a great waterfall

COVER Anthony Reeves presents a guide to building one of the most dramatic and beautiful scenic features: the waterfall.

Workbench Weshowyouhow...





TO THE TRAINS >>-

MODEL RAIL OCCUPANTAL OCCUPANTAL

RICHARD FOSTER brings you the biggest stories from the model railway trade and progress reports on products currently in development.

BACHMANN'S DMU

achmann announced two new DMUs in 'OO' - three-car Class 117 and matching Class 121 'Bubble Car' at its Collectors' Club open day at the Gloucestershire-Warwickshire Railway on September 5. The prototypes were long-underframe (64ft 6in) units with multi-door bodies for Western Region suburban services in the London area.

The single cars were used on the Thames Valley branch lines and the Didcot, Newbury & Southampton line, and as substitutes and strengtheners for three-car units. Delivered in 1960, the units were refurbished in the mid-1980s when it was initially thought they would be withdrawn. They went on to serve Network SouthEast before being scattered widely across the system as far as Scotland. Two modified Class 121s continue to serve Chiltern Trains on peak hour Princes Risborough-Aylesbury services, while others and Class 117 vehicles survive in preservation.

This will be Bachmann's first long underframe DMU and offers the possibility of other classes, notably the 116 and 118 three-car units. (CJL)



BACHMANN CLASS 117 DMU

What's planned?

- 35-500: BR green with speed whiskers
- 35-501: BR blue/grev
- 35-502: Network SouthEast
- 35-500Z: WR chocolate & cream*

Price: TBC When's it due? TBC Where can I find out more?

www.bachmann.co.uk
* Limited edition for Kernow

Model Rail Centre.

NEW MODELS THAT YOU CAN MAKE HAPPEN

Revolution Trains has unveiled two new ready-to-run projects that will only happen if enough 'N' gauge modellers

pledge their support. The two choices couldn't be more different: the North British Type 2 Bo-Bo and the Class 320/321 EMU.

The formula follows Revolution's ongoing projects, the Virgin Pendolino and TEA tank wagons. Production will only go ahead when



The 58 MAN-engined NBL Bo-Bos, built in 1958-60, became Class 21 under TOPS. The post-1966 Paxman-engined machines, illustrated by D6130 and D6137, parked in the sun at Eastfield on August 10 1969, were classified '29'. GORDON EDGAR/RAIL PHOTOPRINTS

enough pledges are made (1,200 are required for the NBL Type 2).

Rapido Trains will produce the models. Allowances will be made for the original 58 Type 2s (Class 21) and the post-1966 Paxmanengined Class 29 while Class 320 and Class 321/4 and 321/9 subclasses are planned to be catered for. To register your interest for both models, visit www.revolutiontrains.com



London Midland Class 321/4 321415 passes Church Brampton, Northamptonshire on June 16 2009. Class 321/4 are used on West Coast Main Line and Great Eastern services, '321/9s' were built for Northern metro services and Class 320s are used by ScotRail. MATT CLARKE

HELJAN 'WARSHIP' -IN COLOUR!



Test samples of Heljan's Class 42 have landed in the UK. Tower Models has

released pictures of the 'Warships', revealing the five livery variations. Tower is to offer 50 of each guise without name and number; Heljan's production models will have

KERNOW'S



STOP PRESS!

We received a sample of Dapol's 'O' gauge 'Terrier' just before this issue closed for press. Look out for a full review, plus Bachmann's Southern CCT, next issue.



Got a news story or new product?

Send your press releases, details and high-resolution images to *mike.harris@bauermedia.co.uk* or telephone 01733 395078

DOUBLE-WHAMMY

BACHMANN CLASS 121 RAILCAR

What's planned?

- 35-525: BR green with speed whiskers
- **35-526:** BR blue/grey
- 35-527: Network SouthEast
- 35-525Z: WR
- chocolate & cream* **Price:** TBC
- When's it due? TBC Where can I find out more?

www.bachmann.co.uk
* Limited edition for
Kernow Model Rail
Centre.





SCENECRAFT BONANZA

Kernow Model Rail Centre's three new limited edition Bachmann Scenecraft models are now in

stock: GWR Type 7 brick signal box (RRP £59.99), GWR water tower (RRP £49.99) and a pack of Holman Compair compressors - the real things were made in Cambourne! - for £19.99.

Availability: Kernow Model Rail Centre. **Web:** *www.kernowmodelrailcentre.com*



Ford's four favourites

Four new offerings have joined Gaugemaster's 'Fordhampton' range of plastic building kits: a three-bedroom modern house, a two-road corrugated iron depot building, a rural post office and a set of concrete carriage siding platforms. All four have been part of Hornby's range of kits. Prices start from £9.95. Availability: Gaugemaster. Tel: 01903 884488. Web: www.gaugemaster.com

Cardiff store

Axminster Tools &
Machinery's eighth store is
set to open in Cardiff this
November. Situated on
Valegate Retail Park to the
west of Cardiff's city centre,
it will offer a range of tools,
including models from
Axminster's own Industrial
Series. The address is
Valegate Retail Park,
Copthorne Way,
Cardiff CF5 6EH.
E-mail: cardiff.toolcentre@
axminster.co.uk

Digital soldering

Antex has produced a soldering iron with temperature control buttons and an LCD display built into the handle. The TCS 50W comes with Antex's Surefit Tip System.

Price: £69.99 Availability: Antex. Tel: 01822 613565. Web: www.antex.co.uk

Change of plan

Issues beyond our control have pushed 'Bee Lane', Peter Marriott's modelling a main line and Dave Lowery's wiring features back to MR215. Apologies for any confusion caused. his is the one I've been

waiting for. Something

it's the link to the Italian Franco-

Crosti locomotive that features in

one of my favourite railway related

movies. Von Rvan's Express. Maybe it's the unique image of a British

about the Crosti '9F' really

resonates with me. Maybe



MODEL OF THE MONTH

RANCO-CROSTI '9F'

Hornby's Crosti '9F' is one of the most eagerly anticipated RailRoad models of the year. A pre-heated **MIKE HARRIS** can barely contain his excitement.

PRODUCT

Hornby RailRoad Crosti '9F' No. 92027. BR black early emblem







locomotive bearing such a 'foreignlooking' boiler. Or maybe it's just a subconscious urge to honour the memory of an underdog.

No locomotive this year has filled me with such excitement, something that's only been amplified by the

curiosity of having a subject that's never been offered ready-to-run before. I'm not alone, either. Despite the prototypes' poor performance, these troublesome locomotives have something of a cult following.

A decade ago many assumed an RTR Crosti would never happen. So



from Hornby announcing the

locomotive back in 2013, the Crosti '9F' has been an eagerly anticipated model - if a little controversial due to its RailRoad-only guise. So was it worth both the excitement and the wait?

HEY GOOD LOOKIN'

We have No. 92027 with early BR emblem for review. I may have never witnessed a real Crosti in person, but from the many photographs and diagrams that I have pored over, I'm happy to report that this model looks the part.

What's immediately striking is the number of separately fitted handrails and the crisp quality of the moulded details. Unlike recent RailRoad releases, such as the 'P2' Cock O' The North and 'Pacific' Duke of Gloucester, the fact that the Crosti '9F' is part of that range is not immediately obvious.

Several details are missing, which I will point out later, but Hornby has



cleverly focused on what's most important.

View the locomotive from its front end and Hornby's success in capturing the character of the prototype is instantly apparent. The shape of the running plate ahead of the cylinders is of suitable width,

shape, and height, and both the smokebox and distinctive small smokebox door are faithfully recreated. Perhaps the hinges could have been slightly more prominent on the main smokebox door, but that's really nit-picking.

SMALL PRINT

One element that's certainly not evocative of the RailRoad brand's 'budget' nature is the presence of finely printed builder's plates. And, from the pre-1956 BR emblem to the numbering, all of the printing is suitably crisp throughout. The matt black livery is simple but well finished and satisfying to look at, too.

Attached to the pony truck is the front step, which juts out a little on tight curves - not a big problem - but worth noting should your layout feature close trackside scenery.

The front end might look very handsome, but it's not entirely accurate. One easy to fix example is the absence of daylight through the moulded cutouts, either side of the front step - nothing a pin vice won't remedy. Our sample also sported a hole for the vacuum pipe, but not the component itself. Whether this was an intentional omission or an isolated incident I do not know.

In addition, two small handrails are missing from either side of the footplate. The front ends of the frames, and the cylinders, are flush with no raised detail. There are no lamp irons (except the one on the smokebox door), and either side of the front chimney there are two handrails, whereas the prototype only had one on the fireman's side.

None of these elements greatly trouble the overall aesthetic of the locomotive. And, as I keep stressing, this is a RailRoad model and the very fact that I'm being so thorough in my analysis is a testament to its quality.

In fact, my only real reservation is the inclusion of sprung buffers. They're a welcome touch, but such detail on 'OO' rolling stock is a luxury and far from essential. I would have 💍



MODEL - IF A LITTLE CONTROVERSIAL

DUE TO ITS RAILROAD-ONLY GUISE \$5



much preferred the additional two handrails on the footplate above the buffers, for example.

BOILING POINT

It's what really separates the Crosti from the standard '9F', and Hornby has, vitally, captured the essence of the weedier looking boiler. Some small compromises have been made - a horizontal row of rivets is missing either side of the smokebox for example - but for the most part, the consistency of fine detail really bolsters the model's appeal.

At times, Hornby's attention to detail is admirable; photographs of clean Crostis are far and few between, and you may even happen upon details that you've never noticed before, such as the neat handrail beneath the windows and additional foot-

10

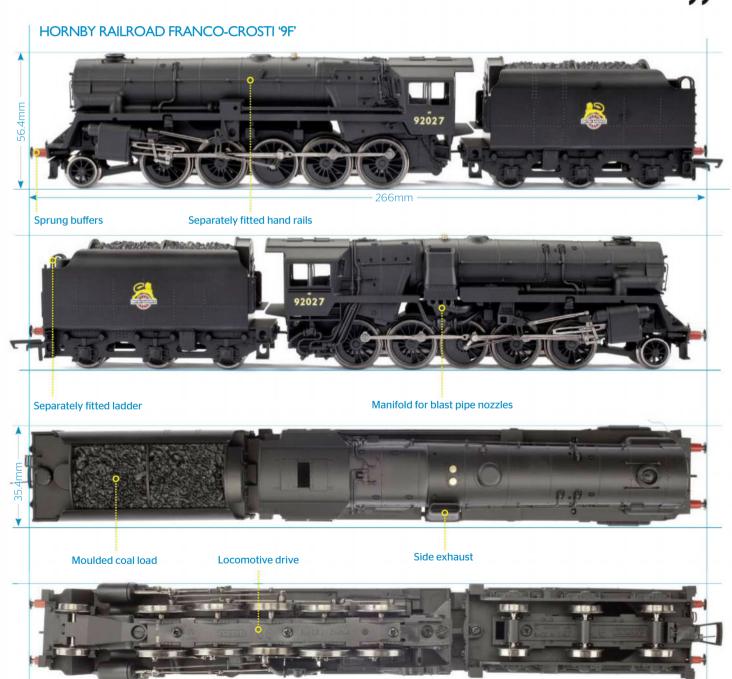
steps on the fireman's side.

The cab is well shaped, too, and the interior details that are present are delightfully crisp, but not painted - as befits the RailRoad range. Below the cab, on the fireman's side, there's a mass of exterior piping, a hallmark of the real locomotives' untidy aesthetic.

Replicating what comprises, on the prototype, both the exhaust and live steam injectors demands an extremely high level of detail indeed. If you're an engineer with a penchant for the prototype, you might be harder to please; but I think that



THE PICKUPS HAVE BEEN CHEMICALLY BLACKENED, MAKING THEM HARD TO SEE - SOMETHING YOU'D EXPECT OF A MORE UPMARKET MODEL \$5



Two screws to remove body

Instructions supplied

14 3-14 5mm



Hornby has miniaturised this area well enough to satisfy the eye in 4mm scale, and considering both the budget and moulded details: that's a commendable achievement.

The side exhaust itself has received similar treatment, and looks the part. Beneath, the manifold for the blast pipe nozzles is good enough, but to my eye the angle of the pipe to the right of the grease separator for exhaust steam injector may appear slightly off. But once again, such details are likely only to be noticed by the Crosti connoisseur.

No. 92027 is depicted without a smoke deflector. Smoke deflectors were installed on the Crosti '9Fs' during the winter of 1955/1956. Consider the fact that all ten locomotives were delivered to the London Midland Region from May-July 1955, and you've only a small window in which to run this locomotive in a prototypically accurate time period. The other Crosti available, No. 92023, does have the smoke deflector.

REAR VIEW

The BR 1B tender is as satisfying as the locomotive body. The shape of the sizable tender is captured beautifully, with separately fitted ladder and handrails. Further fine printing is present on the back, in the form of water capacity and tender plates, both entirely legible with the aid of a magnifying glass.

Maybe some of the finer details would have benefitted from increased relief to make them stand out a little more, but overall, the tender is suitably faithful.

The moulded plastic coal load is a standard RailRoad affair, but looks slightly out of place, simply due to the quality of the rest of the



model. It's a shame then that it doesn't slide out and will require cutting, in the likely event of it being replaced.

Before testing the model I noticed the absence of brake blocks between the wheels. But in Hornby's defence, room is limited and they're not very noticeable on the prototype anyway.

Phosphor bronze wiper pick-ups are present on four of the five driving wheel axles - absent on the central axle, which contains prototypically flangeless wheels. Another nice touch is how the pickups have been chemically blackened, making them hard to see - something you'd expect of a more upmarket model.

The locomotive ran smoothly and quietly straight from the box. But what impressed me the most is its power. The Crosti happily pulled a rake of 18 coaches, and on a straight track with evenly matched stock would easily tackle more. It's therefore safe to assume that our Crosti could handle a prototypical rake of around 50 wagons - if you're lucky enough to have the space.

HORNBY RAILROAD FRANCO-CROSTI '9F'

OVERVIEW	
Manufacturer	Hornby
Ref. No.	R3273
Unit No.	92027
Scale/gauge	1:76 16.5mm 'OO'
Body	Plastic
Chassis	Metal/plastic
Weight	427g
Min. curve radius	438mm

ELECTRICS	
Electrical system	12V DC
Motor type	Five-pole skew wound
Lights?	No
DCC ready?	Yes

MECHANISM	
Drive system	Drive system gears to main driving wheels
Flywheel(s)	Yes
Traction tyres	None

DIMENSIONS	PROTOTYP	E 1:76 SCALE	MODEL
Length	66ft 2in	265.7mm	266mm
Height	12ft 11in	55.8mm	56.4mm
Width (over platform)	8ft 7in	34.9mm	35.4mm
Wheel diameter (driving)	5ft Oin	20mm	20mm
Wheel diameter (pony)	3ft Oin	12mm	14mm
Wheel diameter (tender)	3ft 3in	13.2mm	14.9mm

box will state RailRoad, but the model within comes remarkably close to the quality that we'd expect from Hornby's premium range.

How to dismantle

Wheel back-to-backs

Where to oil

With an RRP of £119.99 it's far from the cheapest budget model out there, but a Crosti '9F' with largely fitted details would surely retail at a much higher sum.

This, to my mind, is one of the best RailRoad models ever produced. It's a model that I've been chomping at the bit to add to my collection, and from the moment I opened the box to the moment I'd finished scrutinising the product for review, I've been nothing if not impressed. In fact, I'm off to find George Dent right now - I need a lesson in grimy Crosti





There was a time when elements from Hornby's RailRoad range were creeping into the standard range. But with the release of the Crosti '9F' we've come full circle. The label on the





FIRST REVIEW

HELJAN'S METROP

PRODUCT

Heljan 9004 Metropolitan Railway Bo-Bo electric No. 5 John Hampden. post-war LT livery









1950s-2015 REGION Metropolitan

Railway **AVAII ABII ITY** Helian stockists

rrp £125.95

Looks

o 123456 **Performance** 0 1 2 3 4 5 6 Features Decoration Value for money

RATING 92%

here were probably three trains of thought at the 2013 Warley National Model Railway Show when Helian announced that it would do the Metropolitan Railway Bo-Bo electrics: from "Yes! What an inspired choice" to "We're really scraping the barrel now. aren't we?" with the third response being "What on earth is one of those?!"

The Met's electrics are probably the most famous locomotives you've never heard of. They have a cult following, devotees being particularly attracted to their quirky. awkward looks, their characteristic whirring noises and chirpy whistle and their interiors full of the kind of switches and levers one might find in Dr Frankenstein's laboratory...

Getting back to practical matters, the Metropolitan required a new, more powerful locomotive for its services from London city centre out to 'Metroland'. It ordered 20 Bo-Bo electrics from Metropolitan Vickers in 1919 and the first entered service circa 1923. They worked electric services between Liverpool Street and Rickmansworth until the now-named Metropolitan Line replaced locomotive-hauled trains with EMUs in 1962.

Of the two survivors, No. 12 Sarah Siddons has always had a hard core group of supporters but it has gained new

> admirers in the last couple of years partnering with steam locomotives, particularly Met 0-4-4T No. 1 and GWR 'Small Prairie' No. 5521, on parts of the Underground. Therefore, the time has never been more right for a model of one of these characterful machines.

They are, however, given their limited sphere of operation, a bit of a risk for a mass-produced ready-torun model. But, in the 21st century, when has that ever got in the way of making a model?



JOHN HAMPDEN

LONDON TRANSPORT



UNUSUAL EXPERTISE

Heljan has a great track record of producing odd-ball designs, so it was perfectly qualified to take on this

project. Engineering prototypes showed much promise, but would this translate into the production version?

Three versions are now available: two. No. 5 John Hamnden and No. 8 Sherlock Holmes, in post-war **London Transport** maroon ('brick red' roof and grey roof respectively) and wartime grey No. 1.

Some of Heljan's first 'OO' offerings looked almost right but had one or two major shape issues that spoilt the overall effect. Then there were problems with mechanisms on other models. But recent offerings from Helian have banished these issues to the past. The Class 05 reviewed in MR213 was superb and the Met electrics carry on the good work.

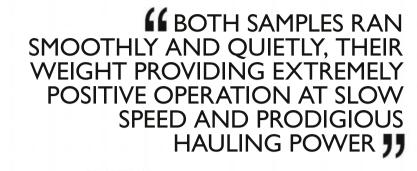
In fact, the electrics are simply superb. This is a model that looks right from every angle.

Working from the real John Hampden, Heljan's design team have beautifully captured the curious blend of slab sides and shapely angled ends. The pinched face looks spot on, as does each domed roof end. The side doors - single at one end and double at the other - are refined, and the ribs on the body and roof are well executed. Closer scrutiny throws up a couple of niggles: the cant rail rib should be

thicker over the end windows and the shapes of the frames aren't quite thick enough. The straight rain strips above the single doors are



OLITAN ELECTRIC



LICITANI METROPOLITANI DAILAAAY DO DO

VERVIEW	
Manufacturer	Heljan A/S
Ref. No.	9002
Unit No.	5
Scale/gauge	1:76 scale, 16.5mm gauge '00'
Body	Plastic
Chassis	Metal and plastic
Weight	379g
Min. curve radius	R2 (438mm)
LECTRICS	
Electrical system	12V DC two-rail
Motor type	Three-pole motor
Lights?	Yes
DCC ready?	21-pin

Drive system	Central motor, shafts to gears on bogies	
Flywheel(s)	No	
Traction tyres	No	

SERVICING	
How to dismantle	Four screws on underframe
Where to oil	See instructions

DIMENSIONS PROTOTYPE 1:76 SCALE	MODEL
Length (over buffers) 39ft 6in 159mm	159mm
Height (over chimney) 12ft 4%in 50mm	51mm
Width (over footplate) 9ft Oin 36.1mm	36.3mm
Wheel diameter (bogie) 3ft 7½in 14.8mm	14.4mm
Bogie wheelbase 9ft 6in 38.5mm	38mm
Wheel back-to-backs	14.4mm

also a tad on the shallow side.

There's a wealth of fine, separately fitted detail. The model features wire handrails throughout and destination boards on each end, just below the painted brass whistles (moulded). Side mirrors are moulded but the windscreen wipers are separately fitted; just be aware that pre-war and wartime models have post-war style wipers!

MOORGATE

The running plate is die-cast, with moulded lamp irons at both ends and electric jumper sockets at one. The pipes on the solebars are plastic and separately fitted. O

Subscribe at www.model-rail.co.uk



BOGIE WONDERLAND

The bogies are first class and finely detailed. The plate frames carry lots of moulded detail and the pick-up shoes are beautifully rendered, although be aware that the brake rigging is delicate and quite fragile.

Special mention should be made about the coupling arrangements. The bufferbeams are particularly fine with both three-link chains and representation of buck-eve coupler mounts included. Tension locks are not fitted, but supplied separately in a bag. They press into NEM mounts on the bogies but care is needed to avoid damaging the detail around the dummy buck-eye mounts. The real locomotives had what look like NEM coupler mounts on the bogies - K.R. Benest's Met electric bible gives no indication about their actual purpose - but Heljan has cunningly tweaked them to accept the tension locks.

We test-operated two samples of this model. We had noticed during photography that sample No. 1 stood higher at one end than the other. This was found to be due to a mis-fitted bogie, which clicked into place after a little manipulation. This model made a slight squeak when negotiating curves and the squeaking became more pronounced during the half hour running-in. It did not affect the running in any way and after some





THIS IS A MODEL THAT LOOKS RIGHT FROM EVERY ANGLE ","

additional running it subsided and should disappear with some additional lubrication in due course.

POWER PLAY

This apart, both samples ran smoothly and quietly straight from the box, their weight providing extremely positive operation at slow speed and prodigious hauling power. Sample No. 1 was running well with 12 coaches in tow when the second model was accidentally placed on the ballast ahead of it. The test locomotive had no problem pushing its sister with all eight wheels on the ballast, while hauling 12 coaches!

Since the length of Metropolitan trains was limited by the lengths of platforms, the Heljan model is more than adequate for the heaviest of prototypical trains. Both our samples displayed very similar performance and were smooth and quiet throughout the speed range. The front of the locomotive has cab lighting and three headlights illuminate the direction of travel.

The finish matches the quality elsewhere. The fine lining on post-war LT maroon is excellent and the shade matches contemporary colour images. The name plates are perfectly sized with the right size and weight of typeface, and the numbers and LT logos look spot on. The wartime grey is just as good but the grey does make the body look a little plasticky.

'MAGNIFICENT JOB'

There really is little to criticise about these models. Heljan has done a magnificent job. They look right, they perform and - at least on our samples - all the bits stayed in place. Heljan has really captured the essence of these interesting and unusual machines.

Met electrics might not have the star factor of the 'Blue Pullman' or LMS Garratt but they are still the type of locomotive that you can easily make an excuse to run. So buy one or, better still, buy two. Highly recommended. (RF)

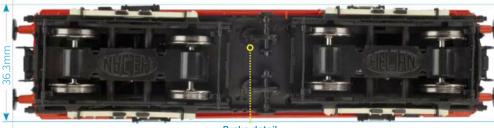
HELJAN METROPOLITAN RAILWAY BO-BO



Detailed shoe beams

Accurate grilles





Brake detail







Essential Norway

Marvel at the beauty and majesty of Norway on this enthralling seven-day holiday. From the elegant capital city of Oslo to the breathtaking fjords and mountains of Norway's west coast.

Itinerary (for full details visit www.raildiscoveries.com/FNS)

Day 1

Your Norwegian adventure begins as you fly to Oslo, Norway's fascinating capital. On arrival, you will transfer into the city centre by rail, and walk to the Thon Opera Hotel, located next to the railway station where you stay for the next two nights.

Day 2

Discover elegant Oslo on a guided city tour this morning. You will explore the city on foot, taking in some of its most popular sights and attractions. Your afternoon is at leisure.

Day 3 Bergen Railway

Travel on Northern Europe's highest railway today. Walk to the station and board the Bergen Railway for the breath-takingly scenic journey to Voss, the gateway to Norway's fjordlands. On arrival in Voss, walk the short distance to the Park Hotel Vossevangen for a four night stay ahead of dinner.

Your entire day is at leisure amidst the stunning lakes and mountainous scenery of Voss. If you are feeling energetic you could take advantage of the various hiking trails, or even ascend into the mountain by Hangursbanen cable car.

Day 5 Bergen

Enjoy an excursion to Bergen, an enchanting city that enjoys an idyllic setting. Your time is at leisure here. One of Bergen's most attractive features is its historic Old Town, dating back to the 15th century, which is a delight to explore. You will return to Voss in time for dinner.

Flåm Railway Day 6

Explore the essence of Norway on the fabulous

'Norway in a Nutshell' excursion today. Begin by making the short railway journey to the isolated mountain station of Myrdal, where you will board the spectacular, iconic Flåm Railway. Taking you up into the mountains along one of the steepest lines in existence. On arrival in the picturesque fjordside village of Flåm. Later, take to the waters on a spellbinding cruise along two of Norway's tranguil fjords, Aurlandsfjord and to the breathtaking Nærøfjord. The cruise ends in Gudvangen. From here, transfer back to Voss by coach on the spectacular Stalheimskleiva mountain road for your final dinner in Norway.

Day 7 London

Depart Voss and transfer to Bergen Airport by coach. Board your flight back to London, and the tour ends on arrival.



Nights in hotel By Coach By Rail ---- By Ship

Departures Price **Departures Price** 6 May 16 £1,095 8 Jul 16 £1,195 20 May 16 £1,145 2 Sep 16 £1,145 10, 24 Jun 16 £1,195 16 Sep 16 £1.095 7 DAYS from **£1,095**

NO HIDDEN EXTRAS:

- Fully escorted by a UK Tour Manager from start to finish
- Scheduled flights from London to Oslo, and Bergen to London
- All rail and coach travel throughout
- 6 nights' hotel accommodation with breakfast each day
- 4 dinners
- Centrally located hotels
- Guided city tour of Oslo with a local guide
- Excursion to Bergen
- Journeys on the Flam and Bergen Railways
- Fjord cruise

Call us now to book or request a brochure

01904 730 524

www.raildiscoveries.com

Our tour advisors are here 7 days a week

FLIGHT-INCLUSIVE HOLIDAYS ARE ATOL PROTECTED, NON FLIGHT-INCLUSIVE HOLIDAYS ARE FINANCIALLY PROTECTED BY ABTA.

BOOK WITH 100% CONFIDENCE





Dates and prices are subject to availability. Prices shown are per person, based on 2 people sharing. Prices may change prior to and Dates and prices are subject to availability, Prices shown are per person, Dased on 2 people sharing, Prices may change prior to and after publication, Iltherary may differ depending on the departure date you choose - please call for details. Termad conditions apply, Calls will be recorded. #Please note - the early booking discount varies depending on the price of the holiday, 2015 departures are not in this offer. Bookings made after the date specified will not be eligible for the early booking discount. Subject to availability, Selected holidays only, Terms and conditions apply, Please call us for more details. ##The balance of the deposit, (which is the difference between the full deposit payable and the low deposit amount already paid by you), is payable by the date notified to you as well as in the event of cancellation (in which case you may also be liable for additional cancellation and administration charges as stipulated in our booking conditions). Subject to availability, Selected holidays only, Terms and conditions apply, Please call for more details.

GET A DIE-CAST FI WHEN YOU SUBSCRIBE

Choose from three great options...



PRINT

Get an entire year of *Model Rail* + die-cast fire appliance set worth £52.30

- Annual direct debit: 13 issues + qift £43
- Annual debit/credit card: 13 issues + gift £48

Have your issue of *Model Rail* delivered direct to your door!



PRINT & BEST DIGITAL OFFER,

Get an entire year of *Model Rail* in print and digital + die-cast fire appliance set worth £52.30

- Annual direct debit 13 issues + gift £48
- Annual debit/credit card 13 issues + gift £53

You'll never be without your copy of *Model Rail*



DIGITAL

Get an entire year of *Model Rail* on your digital device + die-cast fire appliance set worth £52.30

- Annual direct debit 13 issues + gift £43
- Annual debit/credit card 13 issues + gift £48

Perfect for when you're on the move!

SUBSCRIBE ONLINE OR BY PHONE - QUOTE: KBAA

TERMS & CONDITIONS: UK orders only. Subscriptions will start with the next available issue. Offer closes on 22/10/2015. After your first direct debit payment your subscription will continue at the price you paid on this offer every 13 issues thereafter unless you are notified otherwise. You will not receive a renewal reminder and the Direct Debit payments will continue to be taken unless you tell us otherwise.

Cost from landlines for 01 numbers per minute are (approximate) 2p to 10p. Cost from mobiles per minute (approximate) 10p to 40p. Costs vary depending on the geographical location in the UK. You may get free calls to some numbers as part of your call package – please check with your phone provider. Order lines open 8am-9.30pm (Mon-Fri), 8am-4pm (Sat). Calls may be monitored for training purposes.

This offer cannot be used in conjunction with any other offer. We reserve the right to provide an alternative gift of equal or higher value, or a 3 issue extension, if stocks are exhausted. Please allow up to 28 working days for delivery of your gift. Gifts are not available for overseas subscribers.

For our full terms and conditions go to http://www.greatmagazines.co.uk/offer-terms-and-conditions

RE ENGINE SET TO MODEL RAIL

Gift worth £52.30



We have a fantastic offer for you this issue...
you'll get four 'OO' gauge, die-cast fire appliances,
worth £52.30, when you subscribe!



WHETHER YOU'RE A BEGINNER NEEDING ADVICE OR MORE EXPERIENCED AND LOOKING FOR CHALLENGING PROJECTS, MODEL RAIL WILL HELP YOU TO GET THE MOST FROM YOUR HOBBY. ORDER TODAY TO RECEIVE YOUR FIRE APPLIANCE SET, WORTH £52.30, AND TO MAKE SURE YOU DON'T MISS OUT ON THIS INCREDIBLE OFFER!

ONLINE

WWW.greatmagazines.co.uk/modelrail

CALL

O1858 438884 Lines open Mon-Fri 0830-2130 GREAT GREA



The ART of COCION COCIO

Get inspired to push your model making to the next level and join **MIKE HARRIS** in marvelling at some of the world's best modelling feats.

dentifying a great model couldn't be easier. In fact, I'd argue that it's a subconscious process entirely. It's that moment where any scrutiny of prototypical or technical detail is set aside, leaving you to marvel at one thing and one thing only, the art of modelling.

Then - for me at least - the inevitable happens. I sigh, feel inadequate, and ask myself; "why can't I create something like that?" Sadly there's no simple answer.

Otherwise, we'd all be churning out a Pendon.

And yet nothing nurtures a modeller's development more than keeping an open mind and maintaining a willingness to learn from others. In short, push yourself, look at the most awe-inspiring feats of modelling

you can find, and always strive to look further afield:

Just because you model exclusively in one particular gauge doesn't mean you shouldn't take an interest in the processes and techniques of other gauges. And likewise, just because you may only be interested in idyllic countrysides and steam served, branch lines, doesn't mean you shouldn't draw inspiration from grimy diesel depots. And finally, just because you're a railway modeller, doesn't mean you should stifle your development as a model maker by

shunning other modelling forms.

So, if you're not accustomed to broadening your horizons, here's a selection of some of the best models around. And at the risk of sounding like an art connoisseur, these models have sparked an emotion in me. Not because of what they depict, but how they depict it. Regardless of what subject matter you enjoy, you simply cannot ignore the level of craftsmanship on offer.

So grab your best beret, your artist's palette, and an old oversized shirt, because this *mes amis*, is the art of modelling. MR



The **ART** of

cratchbuilding a monumental masterpiece.



Name: Allan Downes From: Lincolnshire (UK)

When did you start modelling?

When I was 15 years old.

How on earth does one go about building a cathedral?

Without going into too much detail - that would take up the whole magazine - the cathedral was drawn up onto large sheets of 0.5mm card. It was built in sections and then assembled afterwards. Of course, it didn't run quite that smoothly, but that's the gist.

Did you make any mistakes?

The main mistake, a weathering wash, was initially very stressful. I nearly ruined the entire model! Fortunately, it turned out to be a blessing; I began with a hideous mix of blackboard paint and methylated spirits - it didn't work



out. However, in trying to remove it with cotton buds and thinners, a wonderful weathering effect was created. It was a miracle!

How does one plan such a mammoth project?

Try and get inside the heads of the original builders. The only way to do this is by reading books on cathedral construction. Then, try and build your model in the same order.



This must have been daunting, even for a professional?

I was never daunted by the task and it helped that I was not working to a deadline. You see, if you can build a lamp hut then you can build a cathedral - it's just that there's more to one than there is the other.

Any tips for modellers of buildings?

Don't listen to Allan Downes! Seriously though, keep it simple. Surround yourself with the very best research and modelling materials, and remember that this is foremost a hobby and lastly an obsession.

Above: It took little over six months to build, but had it taken 180 years, like Notre Dame, it would still be just as impressive!

Left: The sheer complexity of the structure meant that Allan had to draw up a plan, something he doesn't often do.

The **ART**



Name: George Dent From: Derbyshire (UK)

When did you start modelling? In 1982, when I was eleven

years old.

The weathered body looks very effective. Is it actually textured?

Yes. The smooth plastic bodywork was distressed and textured with hand tools and liquid poly cement, especially around the bunker. Modelmates' Rust Effects paints were brushed onto the areas where the worst corrosion was intended, and built up over several layers.

sprayed through an airbrush. A variety of green shades followed, again applied using an airbrush and, as soon as the paint had dried, a damp brush loosened the Heavy Chipping fluid, revealing the rust beneath, as well as the lighter green of the original livery. The same technique was also employed on the smokebox, creating some wonderful blistering and peeling effects.

AK Interactive Heavy Chipping fluid was then

See George's full detailing and weathering demonstration in MR192.

20



What details did you add?

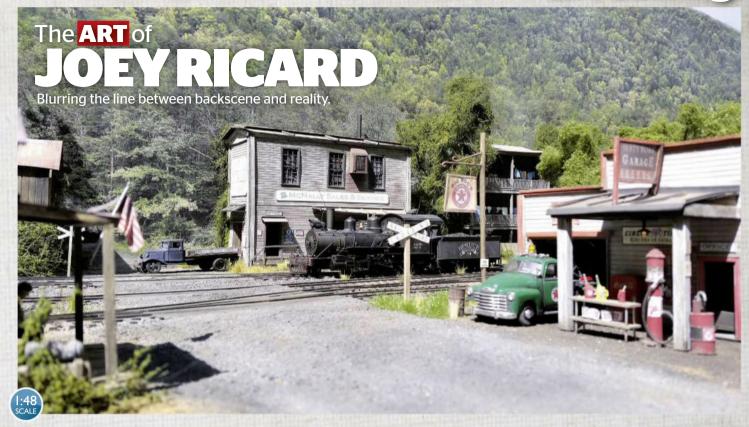
New parts were fabricated to reproduce the rudimentary wooden cabside doors, metal shutters and mesh spark arrestor for the chimney. These were also distressed to blend in with the overall appearance.



Ixion Models Hudswell Clarke O-6-OST. The heavy corrosion appears to show through the paintwork, as opposed to sitting on top of it.

Model Rail 214 October 2015







Name: Joey Ricard
From: West Virginia (USA)

When did you start modelling?

I have been active in the hobby of railway modelling for almost 40 years.

Why did you choose to model railways?

I started out building model aeroplanes, automobiles, and military vehicles, but soon discovered that model trains provided a function beyond their role as models. I was fascinated by the fact that I could give them a purpose, and so immediately started creating scenes for my trains to travel through. With that came the never-ending process of learning and developing scenery techniques that mimicked what I saw in the real world.

Where did the idea for creating such realistic backscenes come from?

Although confident in my ability to create realistic scenery, there was a missing element; I could not get over the fact that these scenes immediately stopped at the ends of the baseboard. So I set out to develop a way of creating a sense of location and life beyond the confines of the model.

My solution was to create a realistic and believable backscene; photorealistic backdrops that blended with the layout scenery so well that it would be hard to tell where the model ended and the backscene began. The development process was neither quick nor easy and





How does the backscene and model blend so seamlessly?

Elements of the model that meet the backscene are designed so that the two scale alongside each other precisely. This ensures correct perspectives and eliminates any unnatural looking distractions.

The secret to producing a near flawless perspective is to create a transitional area where all elements on the model and the backscene image blend as naturally as possible. From the type of scenery to the colours you choose, the best way to achieve success is to experiment.

Any top tips for improving one's modelling skills?

Building a model railway is unusual in the fact that it is one of the few hobbies that requires a vast variety of skills to reach completion. Model railway enthusiasts often wear many hats, and some people have better skills in certain areas than others. I always say that there are two types of model railway enthusiast; the Engineer and the Artist.

If you want to improve your artistic side, the ability to think outside of the box is crucial. I model from what I see in the real world and although I seldom model anything specific, I model reflectively, and strive to create a true sense of place - whether it's a real location or something from my imagination.

Above: The Slaty Fork Country Store showcases Joey's attention to detail, right down to the produce displayed outside.

Top: Just look at that backscene! At first glance, you'd be forgiven for assuming that the whole photograph depicts a real scene.

Left: As this layout is only 42in by 24in, the height of the terrain is a clever use of space.

The ART of CHRISNEVARD

A penchant for rural branchlines, and one of Britain's best.



Name: Chris Nevard

From: London (UK)

When did you start modelling?

I've been creating model railways, on and off, since the late 1970s.

Do you think that being a photographer has made you a better modeller?

Definitely. Creating a convincing 3D scene in miniature requires a good understanding of composition. This can occasionally be the shortfall with some layouts based on real locations. While everything can be historically correct, locations often don't look right when compressed into a fixed area. For me, good composition is more important than complete accuracy.

Also, I like to think of a layout as a piece of theatre. When I'm designing a layout, I mess about with 3D compositions,

using spare buildings and items around the house, like food packaging to represent buildings. Items of rolling stock that will be used on the layout are placed to indicate how the railway might fit into a scene, too, as well as allowing for clearances.

Lighting is also paramount. It needs to be bright, neutral, and even. Building the lighting rig is often one of the first jobs I do, I can then position structures and scenery to avoid unnecessary shadows on the backscene, caused by lighting.

How do you achieve such subtle and realistic colours?

For starters, I avoid solid bright colours. For the popular 1950s/1960s eras I've found that railway colours for buildings often look too saturated and bright. However, pale grey or beige washes and dry brushing can help to tone everything down. Another technique is to paint a building a dark earthy colour and dry brush the railway colours on top.

What a model!
From the flawless
colour palette, to
the artistically
stylised
composition,
'Catcott Burtle' is
a delightful
representation of
an idyllic rural
branch line.



The ART of Modelling

I'm also a huge fan of matt emulsion tester pots from DIY stores - they're great for toning colours down when diluted. If you do use this method, add a little washing up liquid to the mix, it will then adhere better to most surfaces. Another tip is to select scenic materials that are in winter and autumn colours, even if you're modelling summer, as the colours are far softer and more subtle. Finally, I work with scenery under the lighting rig I am using. You'll find that modern low energy and fluorescent lighting tends to make greens and vellows far more vibrant than in daylight.

Any tips for creating a realistic layout for the first time?

Try not to squeeze too much in. That old saying; "Less is more", really is the key to creating an effective scene. And make sure that you research your subject; there are so many great books out there, and if your theme is contemporary, get out on site with a camera!

HI W



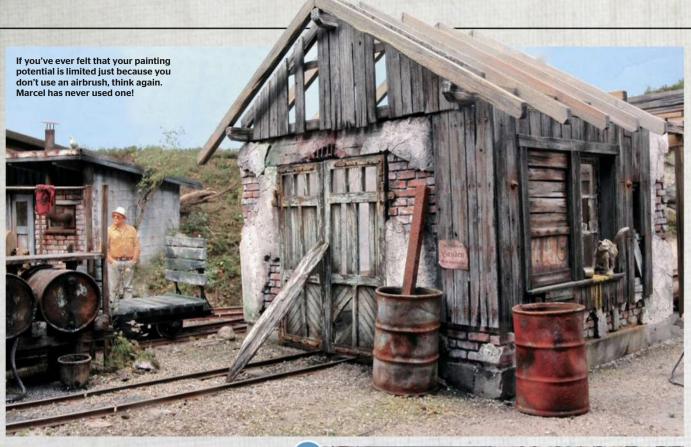
Above: Small details such as the replacement panelling on this open plank wagon ensure that Chris' modelling holds up, even when viewed up close.

Below: 'Combwich' might be Chris' oldest layout - work began in early 1980 - but it set the stage for Chris' well known compositional mastery.





Keep up to date with Chris' modelling activity and head over to **Model Railways** of Chris Nevard: ww.facebook.com/ chrisnevard



The ART of MARCELACKLE

Reality has never looked this good.



Name: Marcel Ackle

From: Near Lucerne (Switzerland)

When did you start modelling? When I was eight years old - my father gave me a Märklin model railway.

Do your models depict anywhere specific?

My models are not based on real places. I believe I have a lot more creative freedom when I build using my imagination. The models are based on memories, which I have collected over the years; whether I'm travelling by foot, car, or bicycle, I notice a lot of details, which I store in my head.

How do you achieve such realistic looking buildings?

I try to use materials that are as close as possible to the materials used on the real thing; for all mineral materials (concrete, tiles, or plaster) I use plaster (gypsum). For wooden components, I use basswood. For metal sheets, I use 0.15mm aluminium sheet, or brass, and for bricks, I use clay (fired at 1,000°C). I complete and weather each component, before building the structure at the end.

Your colouring looks very natural. What paints do you use?

For all covering colours I use acrylics, which I paint using a brush. I have never used an airbrush, but have recently acquired one, which I'm thinking of using on my next project. For weathering, I used watercolours and pigments.





Above: The lady on the door isn't a decal. It was sketched by hand and then painted using acrylics.

Below: A shunting locomotive from Marcel's 2ft field railway - with a gauge of 26.7mm.





The ART of KYRIAKOS GKOGKAS

A steady hand and an eye for the finest detail.



Name: Kyriakos Gkogkas From: Korinthos, Greece

When did you start modelling?

I am 34 years old and I started modelling at the age of ten.

Your figures look great. Why are they so important?

In my dioramas, I think that the figures are key to telling a successful story. I don't use a standard brand as I'm always searching for figures that best fit the scene I am creating. If I can't find what I am looking for, I'll convert figures. I also pay a lot of attention to detailed figure painting. In this diorama, the lady with the dog required a lot of patience and many hours of work to achieve such fine detail in her dress.

How do you capture audience interest?

A humorous scene is a good way to draw people's attention to your model and therefore the story. During the construction of this harbour diorama, I made essential adjustments in order to reveal the story more clearly.

How do you find such suitable components?

If I can't buy something to fit a particular scene, I will create it from scratch - making things even more challenging. The fishing boat is scratchbuilt, and is mostly made from plastic and cardboard.

How long did this project take?

I had already studied the use of patrol torpedo boats in the Mediterranean theatre of the 1940s, but constructing a part of the real harbour in Bastia was a great challenge - that took almost two years.









Top: Scenes such as the PT boat crew posing for a group photograph really push this model to the next level. Not only is it beautifully painted, but it also has heaps of character.

Above and left: 1:35 scale is larger than 'O' gauge, but even so, the level of detail present on these figures is awe-inspiring. The lady walking the dog is a highlight, just look at that dress!

Below: Even as a railway modeller, never dismiss the value of producing a diorama. The small space provides a great way to learn new skills or hone existing ones.



Winding country roads, dense thickets of vegetation, and lush green hills. Pendon's 'Vale Scene' wrote the handbook on modelling rural England.



Name: Roye England
From: Australia... originally
When did you start modelling?
First cottage completed in 1931.
Since grown to entire museum,

joined by top modellers such as Guy Williams

t's old, it's stunning, and it's the most famous collection of layouts and miniature landscapes in Britain. Of course, it can only be Pendon Museum.

What could one possibly write about Pendon Museum that hasn't been written before? It's the holy grail of British railway modelling and, arguably, British modelling in general. For those who are still in the dark, Pendon was founded by Roye England, a native of Australia who emigrated to England in 1925.

Roye "fell in love" with the GWR at Plymouth and then the English countryside. This love of rural England was to fuel his desire to recreate his new home in miniature. And so Roye embarked on a modelling adventure that would eventually develop into the 'Vale Scene', an 'EM' gauge depiction of a fictional 1920s landscape, based on The Vale of White Horse. Now the centrepiece of Pendon Museum, the 'Vale Scene' might just be the definitive collaborative layout, with work still ongoing.

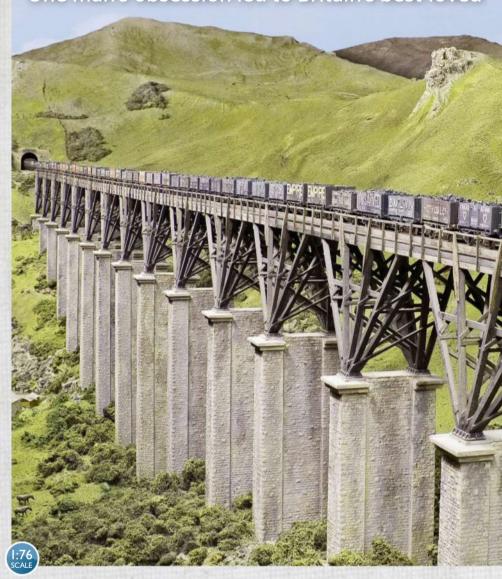
Pendon Museum also features the 'Madder Valley Railway' (built by John Ahern) and the 'Dartmoor Scene'. And although the extremely high calibre of modelling throughout is plain to see, what makes Pendon all the more impressive is its age. Much of the modelling on display is many decades old. Not only has it aged well, it's a great feat of modelling when you consider it was made without the array of modelling mod cons we have today.

Nothing beats a visit to the real thing, so if you've yet to visit the wonder of Pendon Museum yourself, make sure you do - it's an artistic modelling spectacle!

Right: The vast 'Vale Scene' easily accommodates full length 1920s GWR expresses.

26

The ART of ROYE ENGLAND'S One man's obsession led to Britain's best-loved





PENDON miniature landscape.



Above: Nowhere does quaint countryside settlements quite like Pendon.

Right: Attention to detail is key when creating a realistic model. Notice how only some of these windows are lit.

Left: The
'Dartmoor Scene'
conveys the harsh
Devonshire
moorland's
beauty perfectly.

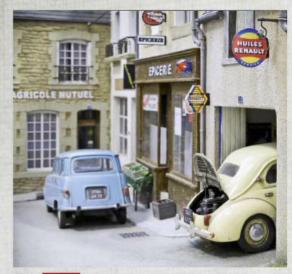
Below: Pendon's locomotives are mainly the work of Guy Williams.











The ART of GORDON & MAGGIE GRAVETT

If you can't buy it, scratchbuild it.



Name: Gordon and Maggie Gravett

From: Weston-super-Mare,

Although it was built in Britain, 'Pempoul' is in fact a depiction of the French Réseau Breton system during the early 1960s. It was inspired by the scenery on a cycling holiday in Brittany and it took Gordon and Maggie Gravett 17 years to complete.

Building such an unusual project is rarely easy, and 'Pempoul' was no exception. The challenge was working largely without commercial components, so from the locomotives to the road vehicles and figures, 'Pempoul' is largely scratchbuilt. The trees are of particular note, with varying density of leaves conveying perfectly the setting of early Spring.

Other details of interest include the exquisitely handbuilt 'EM' gauge track, the subtle imperfections deliberately peppering each building, and the gentle colour variations of the vegetation. No corner has been cut. In photographic form, 'Pempoul' blur the line between model and reality.





COMPETITION

ANTHONY REEVES

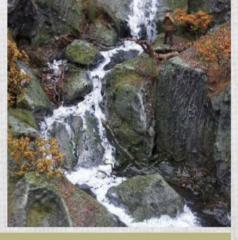


This very fine looking waterfall was built by Anthony Reeves, proprietor of scenic specialist Treemendus, for his book *Modelling Railway Scenery: Volume 1 -Cuttings, Hills, Mountains, Streams and Lakes* (Crowood Press).

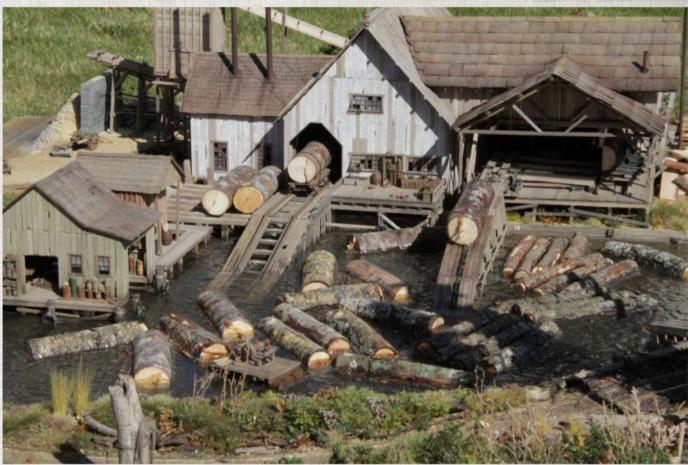
Anthony has kindly offered *Model Rail* readers the chance to find out exactly how it was made, providing an abridged extract of the book in this month's Workbench (page 82).

But, if learning how to build this masterful example of scenery wasn't enough, Anthony has also supplied two very relevant competition prizes that will set you well on your way to improving the realism of your own modelling - copies of both books.

To stand a chance of winning both volumes one and two of the Modelling Railway Scenery series, all you need to do is answer the following question and send it, plus your name, address and telephone number, to Modelling Railway Scenery Competition, ResponsAbility, Coates, Peterborough, Cambs PE7 2BG. The closing date is September 28 2015. For full terms and conditions, see www.bauerlegal.co.uk/ competition-terms.html



Q. What was Met Electric No. 2 *Oliver Cromwell* renamed as in 1953? A: Sarah Siddons B: Edmund Burke C: Thomas Lord



The ART of BILL MICHAELS

The most realistic water you've ever seen



Name: Bill Michaels

From: Davenport, Iowa (USA)

When did you start modelling?

I got interested in trains and modelling as a young boy - probably in the mid-1970s.

Surely that water is real?

The water is artificial and was made using a two-part resin called EnviroTex Lite. The illusion of depth is achieved by applying about seven or eight coats of the resin. Each coat is roughly 1/8in thick; in terms of scale, that would be nearly ten feet deep, which is similar to a real pond. On top of the final layer of EnviroTex, I created ripples using Mod Podge. Hundreds of dots (about the size of a contact lens) were dabbed on and left to dry. I continued to repeat this process, filling in between the previously created dots.

How do you go about researching such an accurate looking model?

The Twin Mills is from Sierra West and my friend, Brett Gallant, did all of the research. It is based on the Pino Grande Mill of the Michigan-California Lumber Company. I referred to the book *Pino Grande: Logging Railroads of the Michigan-California Lumber Co.*, by R.S. Polkinghorn, throughout construction.

It would appear that the model is largely produced using real wood, is that correct?

Everything that looks like wood is wood - thousands of pieces of stripwood in fact! The aged effect of the building was achieved by soaking the strips for 24 hours in a bath of acrylic paint, Indian ink, and water. The different shades of freshly cut lumber were achieved by simply washing virgin pieces of wood in stains made from alcohol and chalks. By varying the intensity of the colours, I recreated the look of sapwood, heartwood, and even pieces with bark left on them.



Above: As well as the washes, Bill also uses rubbing alcohol and artist's chalks to colour wood.

Right: Bill has used thin layers of Mod Podge to represent wet wood. Such attention to detail is responsible for the diorama's stunning aesthetic.

Below: 'Twin Mills' is so good it's now on display at The Sawmill Museum, lowa.







The ART of Jim Smith-Wright

Dark, grimy and highly unusual.

Name: Jim Smith-Wright

From: West Midlands, UK

When did you start modelling?

I am nearly 41 years old. I can't remember not modelling but I do remember building my first piece of 'P4' track when I was about 15.

Is it easier or harder to build layouts with low lighting?

It's hard to say. I think it's easier to get interesting looking photographs. It's also a bit unusual, so it probably stands out because of that. I always bear in mind that the human eyeball is a very clever thing, it can perceive a lot more detail than a camera.

How do you go about scaling down such a huge station?

The station is not to scale in only one of three dimensions. It's the same length, and will be the same height. Having said that, there is compression in the length for the eastern tunnel and approaches. It's also quite compressed when it comes to the depth, with two platforms and a through road missing. The platforms that are there are also a lot narrower than the real thing.

Was it hard to install the many platform lights?

Not really. They were a repetitive but simple task. The actual illumination is provided by cheap strings of Christmas lights (LEDs) built into the roof.

What's most important when striving for such realism?

That's easy - consistency. You could take any single element of 'New Street' and would not have to look far to find someone who has done it better or with more detail. The trick is to treat every aspect with the same care and attention.

It also helps having a real thing to copy. You don't really need in-depth knowledge of what something is or does, you just need to copy what you see. Try to focus your expectations on what you want to end up with, too - not what you can do at the start of the process. I accepted from day one that there were some elements I couldn't do and I would have to learn how to along the way. And that was just the things I was aware of at the time!







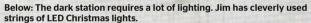




Above: Simply put, this photograph looks 100% real. But that's not surprising when you consider that Jim built his first piece of 'P4' track at the tender age of 15.



Above: Jim advocates that modellers should "treat every aspect with the same care and attention". The detail in this photograph is an example of that advice in action.









Subscribe at www.model-rail.co.uk

The ART of CHRIS FLODBERG

A watertight modelling technique.



Name: Chris Flodberg

From: Calgary, Alberta, Canada

When did you start modelling?

Modelling for me has been an on and off thing throughout my life.

Your modelling of water is beautiful. Did you develop the necessary techniques yourself?

Yes. I couldn't help but feel that many of the existing ocean modelling techniques felt somewhat inadequate. So I set out to reinvent it from the ground up, with the following criteria in mind: the techniques must be relatively easy to accomplish. Readily available and inexpensive materials must be used, and, above all, the water must look more realistic than current methods. Over the course of about a year, I worked out methods for a variety of surface conditions. My HMS *Howe* model displays my favourite - a rough and dynamic sea.

What is your method for creating a section of ocean?

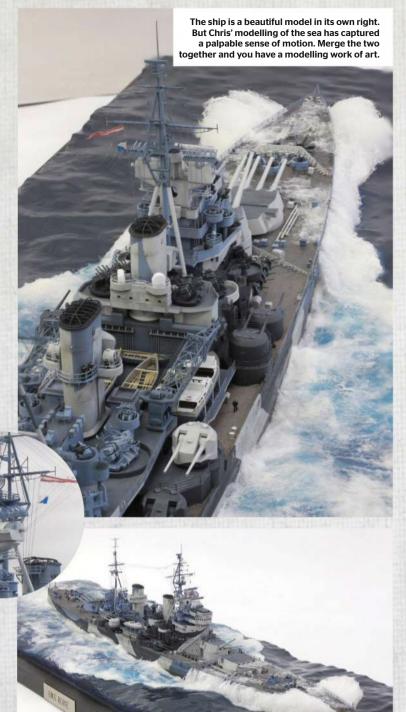
I first carve pink insulation board - coarsely - using a wire cup brush and a rotary tool. I then cover the entire area with a single sheet of paper towel, using spray adhesive. The paper bridges the textures and creates a perfect, undulating surface. After applying about six to ten coats of artist's gesso to the surface, along with some sanding, a nearperfect rolling surface is created.

I always paint the entire surface one colour, made by mixing pthalo blue, black, and a bit of white. To produce the greenish, subsurface churn, I airbrush a minty green colour directly onto my painted surface. From there, I use cotton batting and acrylic gloss medium (not gel) to produce the spidery white water surface effects.

Once completed, I place my ship in the hole that has been cut from the outset and resolve any gaps with more cotton. The entire sea is then coated with around a dozen layers of high gloss or Liquitex Acrylic Satin Varnish.

The water draining from the ship's deck is particularly impressive. How did you produce this effect?

The drainage effects are accomplished by using more cotton batting; a piece is pulled and cut flush before one end is attached to the ship and left to dry. The other end is then attached to the ocean's surface. Once this is dry, I carefully use a small brush and Liquitex High Gloss Varnish to gently touch the surface, which produces a clear waterfall effect.







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 October



25-008-002 - A4 Sir Nigel Gresley LNER Blue Dbl Chmny 4498 2S-008-002D - A4 Sir Nigel Gresley LNER Blue Dbl Chmny 4498 DCC 25-008-004 - A4 Mallard BR Dark Blue Early Crest 60022 25-008-004D - A4 Mallard BR Dark Blue Early Crest 60022 DCC 25-008-005 - A4 Mallard BR Green Early Crest 60022

2S-008-005D - A4 Mallard BR Green Early Crest 60022 DCC 25-008-006 - A4 Woodcock BR Green Late Crest 60029 25-008-006D - A4 Woodcock BR Green Late Crest 60029 DCC 25-008-007 - A4 Seagull Brunswick Green Early Crest 60033 25-008-007D - A4 Seagull Brunswick Green Early Crest 60033 DCC



2F-034-035 - 21T Hopper - NE 193265 2F-034-036 - 21T Hopper - NE 193265 Weathered

All product release dates correct at time of going to press

in releases



4F-052-011 - 5 Plank 9Ft W/B - E H Watts & Co 69 4F-052-012 - 5 Plank 9Ft W/B - E H Watts & Co 69 Weathered



4F-038-102 - 20T Steel Mineral - West Midlands Joint Electric 4F-038-103 - 20T Steel Mineral - West Midlands Joint Electric Weathered

Also released this month include;

4D-006-000 - Class 73 Airtour Suisse 73102 Intercity

4D-006-001 - Class 73 73105 Large Blue Logo

4D-006-002 - Class 73 73124 BR Blue

4D-006-003 - Class 73 73135 BR Blue

4D-006-004 - Class 73 E6003 SR Green with Light Grey Lower Panels

4D-006-005 - Class 73 E6039 Early Blue with SYP and Double Arrow Logo

4D-006-006 - Class 73 73138 'Dutch' Yellow and Grey Civil Engineers

4D-006-007 - Class 73 73206 'Lisa' GB Rail Freight Blue / Yellow

4F-011-013 - Ventilated Van - LMS Fruit Van 511254

4F-011-014 - Ventilated Van - LMS Fruit Van 511254 Weathered

4F-071-009 - 7 Plank - GWR 06562

4F-071-010 - 7 Plank - GWR 06562 Weathered

4P-010-037 - 57Ft Stanier Non Corridor Comp BR Carmine M16620

4P-010-038 - 57Ft Stanier Non Corridor Brake BR Carmine M20550

CO95D - 57Ft Stanier Non Corridor Comp BR Carmine M16620 Kit

COSGD - 57Ft Stanier Non Corridor Brake BR Carmine M20550 Kit





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

CHELTENHAM: Cheltenham Models tel: 01242 523117

CARLISLE: C & M Models tel: 01228 514689

HEREFORD: Hereford Model Shop tel: 01432 352809

KIDDERMINSTER: DMB/Footplate Models tel: 01562 750076

LIVERPOOL: Hattons tel: 0151 733 3655

NANTWICH: Trident Trains tel: 01270 842400

NORTH LANCING: Morris Models tel: 01903 754850

SHEFFIELD: Rails of Sheffield tel: 01142 551436

STROUD: ANTICS tel: 01453 825381

SHEPTON MALLET: East Somerset Models tel: 01749 880651

WORCESTER: DCC Supplies tel: 01905 621999 YORK: Monk Bar Model Shop tel: 01904 659423





BRAYSDOWN & WRITHLINGTON

ALAN PARR tells **DAVID BROWN** about how his ambition to build a large rural colliery layout stretched his modelling skills, but gave him a stage on which to showcase his super-detailed rolling stock.



Dorset Joint Railway will doubtless be able to recite all of its famous stations, but might pause for breath when it comes to Braysdown & Writhlington. There was no station here, but it was a real enough location. Situated about halfway between Radstock and Shoscombe & Single Hill Halt, there was a signal box called Foxcote that later became Writhlington, controlling a junction to a line leading to the colliery at Lower Writhlington and sidings for Braysdown Colliery.

The colliery traffic actually outlived the S&D main line itself. After the line closed on March 7 1966, coal traffic continued to use it as far as Radstock, where a new spur connected to the former GWR route to Frome, so that coal trains could run to Portishead, near Bristol. Writhlington was the last working colliery in Somerset, closing in 1973, and served by rail until the end (Radstock West Ground Frame to Writhlington Colliery Sidings suc-

cumbed on November 19 1973).

Here then was the unusual combination of industrial buildings and equipment in what was otherwise a pastoral setting, with a famous main line running through it...

CHALLENGE

Taking up the challenge to model 'Braysdown & Writhlington' was Alan Parr. That he chose to model the S&D was no coincidence. He was born in Frome, Somerset and developed a soft spot for all things Southern during summer holidays in Guildford, in particular Maunsell 'Us', Drummond 'M7s' and Bulleid's quirky 'Q1s'. He can also remember travelling through the Great Western's station at Radstock.

But then he also had a love of LMS locomotives, having lived in Wigan, and a railway that combined his love of Southern and LMS locomotives and stock was an obvious choice.

He retired from his engineering career at 60, bought a van and set up a courier business, which he ran for nine years and which often took him to parts of the old S&D route. A customer once asked him to take a package to Templecombe, and the address for the delivery turned out to be the former locomotive shed!

While Alan was a modeller, he'd

ALAN BECAME MORE INTERESTED IN REALISTIC 'EM' GAUGE STANDARDS AND CONVERTED ALL HIS STOCK ACCORDINGLY ""



The Somerset and Dorset provides a near-unique opportunity to indulge Alan's LMR leanings in a Southern setting.



never considered building a layout. His engineering background had sparked an interest in building kits and super-detailing them, and soon he had a collection of rolling stock and locomotives, reflecting his Southern and LMS interests. But having built up quite a large fleet (around 80 wagons, 30 coaches and 20 locomotives) the idea of building a layout began to grow on him.

LOCATION

Obviously, Alan's layout would be based on the S&D and reflect the emerging BR period of the early 1950s, the time when he was a trainspotter. But where would he base it?

It needed to be based on an actual location. Alan's first thought was Midsomer Norton, but that, he decided, would have been too large. The next idea, Wellow, seemed more achievable.

However, Alan's interests extend beyond railways themselves and the •



Right: You couldn't have an S&D scene in this period without photographer Ivo Peters and his Bentley.



WHAT MAKES IT SPECIAL? BUILDING TEAMWORK

The special significance of this location is the way that the colliery buildings on the layout interact with the rural setting and serve the industrial needs of the North Somerset coalfield.

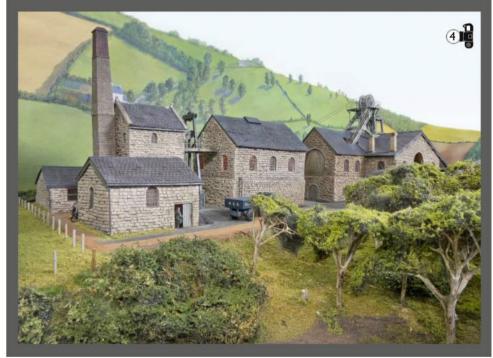
These buildings were produced in a father and daughter partnership that involved co-operation from two sides of the world. Alan's daughter, Carol, went to Australia on exchange trips. While she was out there she agreed to help her father

produce the distinctive buildings that give this layout such an authentic feeling. Alan scaled the buildings from studying photographs and plans and sent them to Carol, who produced the buildings in flat-pack form and mailed them

back to her father for assembly!
That colliery winding gear was handbuilt using Slater's Plastruct for girders and other building parts. The winding wheels are Alan Gibson Johnson Spinner driving wheels with a groove to take the cable. They are powered by a motor, but Alan did not have this running at exhibitions in case the cable came off. However, while the winding gear remained static, the

impressive beam engine, operated via a Mashima motor, ran through the day at shows.

Other structures on the layout, such as the bridge over the stream, feature stone blocks made from thick plastic card on a card backing, worked into shape using dentist burrs.





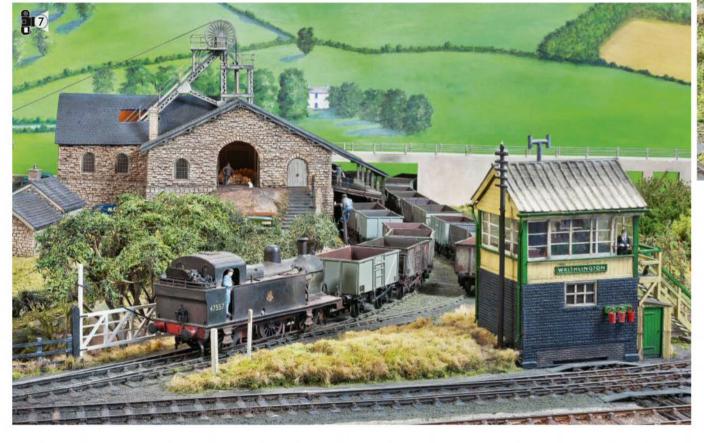
THE THOUGHTS OF A WORKING BEAM ENGINE BROUGHT ALAN'S ATTENTION TO THE BRAYSDOWN AND WRITHLINGTON AREA \$5



Left: There's no station, so the layout is centred around

the signal box and sidings which served Writhlington and

Braysdown collieries.





Above: Doubleheaders were endemic on the S&D but Bath shed must have been pressed for working engines to turn out a '2P' and a '4F' on a passenger turn.

Left: 'Jinty' 0-6-0T No. 47557 shunts the colliery sidings against a background of superb and authentic stone structures. thoughts of a working beam engine brought his attention to the Braysdown and Writhlington area and its collieries. Derek Cross had taken some photographs of the location, and these gave him further inspiration. His mind made up, he set about his ambitious project to build an exhibition layout, starting in 2003.

'Braysdown & Writhlington' made its debut at Bradford on Avon's exhibition in 2010. It went on to appear at a total of eight shows - winning two 'Best in show' awards along the way. Its final appearance was at the Warley Model Railway Exhibition at the NEC in 2013.

RAILWAY REMNANTS

In real life, the trackwork and colliery buildings are all long gone, but it is still possible to make out where everything was on-site. Alan found further inspiration by exploring the area and going for walks down the former trackbed. He had visions of a 'Jinty' working between the exchange sidings and on the branch into the colliery. The valley environment appealed as it offered plenty of artistic opportunity when it came to the background scenery, and suited his ideas for a 'layout in the landscape'.

Another feature of the site Alan that

liked was the presence of Second World War pillboxes, part of stop line 'Green', an outer defence line for Bristol. At first he thought there were three of these, two by the exchange sidings and another that had since been demolished. But then, on a winter visit, he discovered a fourth that had previously been hidden by trees and vegetation when he'd visited earlier in the year.

Remaining infrastructure, such as the bridge over Wellow Brook, was carefully measured. Using his draughtsman skills he drew the layout to scale on a roll of wallpaper. It was at this stage that Alan realised just how ambitious a project he had embarked upon!

Although he has been a club member in the past, 'Braysdown & Writhlington' has been mostly a solo project, with some help from friends and family.

CREATING DEPTH

Alan wanted a layout with depth, so he made the five scenic baseboards 2ft 6in wide by 4ft 6in deep "going

away from the viewer". In addition to the 12ft 6in wide scenic section there are two 4ft boards at either end for the fiddleyard cassette tracks, representing Bath to the left and Radstock to the right. It was designed so that the boards would fit into a Citroën Berlingo. Even so, it all proved rather a tight fit, and there was just enough room for Alan in the car too.

His early modelling had been in 'OO' gauge but Alan became more interested in realistic 'EM' gauge standards and converted all his stock accordingly. The track was all handbuilt using C&L components, but Alan admits that he'd rather not thread track through 3,500 chairs again.

Around 95% of the models that Alan had previously built soon found a home on the layout. The oldest locomotive in his collection is a much modified K's 'Black Five' that benefits from a lot of traction, thanks to its weight.

The locomotive roster reflects the stalwarts of the S&D system, with landmark classes such as '7F', '4F' and '2P' appearing on passenger and freight duties. Interestingly, since Alan started his layout, all the locomotives, with the exception of a Johnson 0-4-4T, have become available in ready-to-run form. Alan, however, has always preferred to build his own models, allowing him to super-detail them to his usual high standard.



Considering his engineering background, Alan has obviously enjoyed getting involved with the scenic details on the layout. Everywhere you look there are eye-catching features that create a pleasing overall picture, while managing not to look too fussy, in a relatively small space. One example of this is the allotment area on some wasteland to the side of the colliery line. Here you will find beans on poles, rows of greens and some of the most realistic looking rhubarb we've ever seen this side of the office canteen. Carol made the allotment as a separate 'module' (though not in Australia this time!) which was then 'plugged' into the layout. The rhubarb stem is fairly heavy fishing line with a paper leaf glued on; simple as that, except that you may have noticed the old chap with the bucket and shovel collecting horse manure off the lane, which might have helped its growth!

To achieve these realistic looking plants and foliage, good use was made of what nature provides, together with contemporary scenic powders and products. He is particularly pleased with the coppice in front of the layout that includes a tall weed found while walking by the canal in winter with tiny branches broken up and tied together like a coppiced bush. Even a dead Petunia pulled up in the

winter months lived again as a model tree on the layout. The trees in the foreground are nine to 12in tall, while those at the back of the layout are three to four inches tall to force the perspective. Alan prefers the old-fashioned rubberised horsehair to some modern products when it comes to creating foliage.

Another striking aspect of the overall look of 'Braysdown & Writhlington' is the 20ft long canvas that forms the backscene that curves round the scenic side of the layout. This is an oil on canvas painting produced by Alan and Carol after they were given a "crash course" by their friend, professional aviation artist and steam fan Nicholas Trudgian. This backdrop brings this North Somerset cameo to life.







Right: The real colliery buildings are long gone, so Alan's models are based on old photographs and close examination of the site.

Below: The parched and scrappy grass that overgrows the sidings has been well captured in miniature. A '2P' 4-4-0 pilots a 'Black Five' on an express.





TAKING STOCK

The coaching stock reflects the colourful early British Railways period, and features a mix of liveries, including blood and custard, Southern Region green and BR maroon, all working side-by-side.

A colliery-based layout needs plenty of coal wagons and 'Braysdown & Writhlington' has a fleet of around 70, built up from kits from the likes of Airfix and Parkside Dundas - all super-detailed. The Airfix kits were bought in bulk at 25p apiece! A 'Jinty' is kept busy shuffling loaded and empty wagons around the sidings and marshalling trains.

Alan admits that while he enjoyed all the research, building and exhibiting of the layout, the project may have been too ambitious for his age. As he reflects on the project he says that if he'd realised the size of the challenge before he built the layout he might have chosen to model something else!

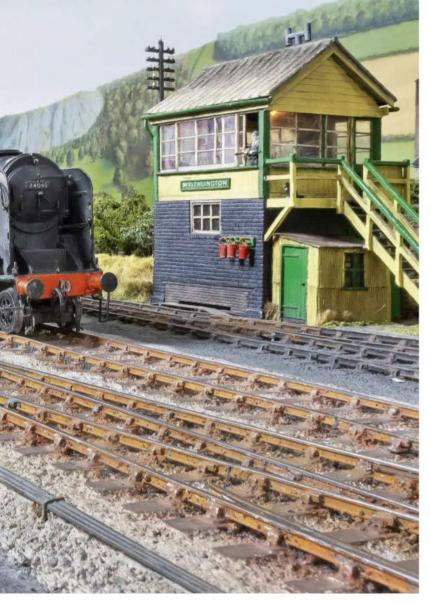
He's 77 now and is contemplating selling off the models, but he may have to convert the stock back to 'OO' gauge to do so.

Meanwhile he continues to enjoy railways (and other interests, including aircraft) and enjoys filming steam in action. In fact his most recent excursion was to film 'Merchant Navy' Clan Line at work on the North Wales Coast main line - that Southern/LMS mix continues to grab his attention!





44





Above: Ivo Peters has called in at the colliery.

Left: Southern motive power was also a vital part of the S&D image. A smart rebuilt 'West Country' passes with a short local 'stopper'.



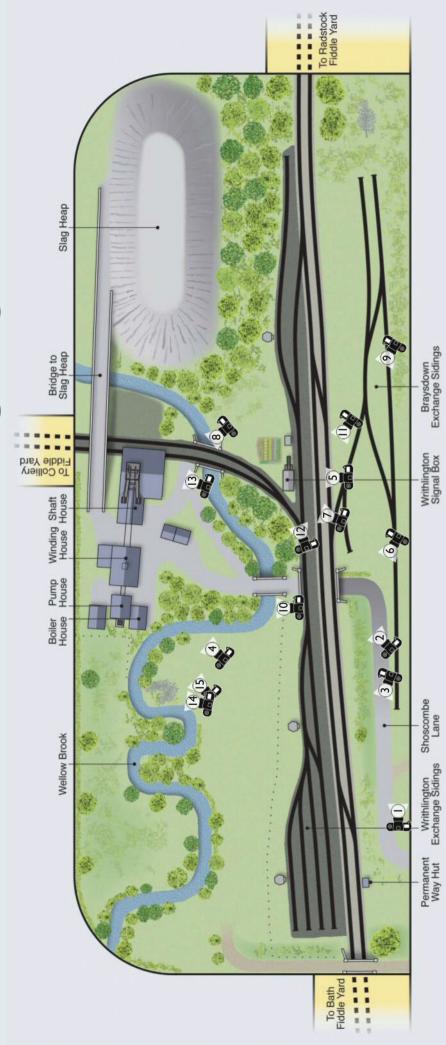
Left: Figures doing unusual activities make for added interest. Here an engineer works on the telegraph pole. Elsewhere, a man scoops up 'fertiliser' for his roses (see opening picture).

The colliery buildings make a superb backdrop as the farmer with his Ferguson tractor does some tidying-up.



LAYOUT FACTFILE

BRAYSI WRITHI



Gauge & Scale: 4mm:1ft scale, 18mm gauge 'EM' Lo
Time to build: Five years Period: Early 1950s Ro
Size: Scenic area: 12ft 6in by 4ft 6in plus two 4ft fiddleyards Pc
Track: handbuilt using C&L components Bu

Locomotive: Mix of kit and ready-to-run
Rolling stock: Scratchbuilt and super-detailed RTR
Power & control: Gaugemaster 12V DC handheld controllers

Buildings: Scratchbuilt

ZYNGE



for ideas and lots of inspiration visit us at www.craftycomputerpaper.co.uk



WEIRPSISTERS

MIKE HARRIS and **RICHARD FOSTER** take a look at the real lives of our quirky review models, the Crosti '9F' and the Metropolitan Railway electrics.

The real Crosti '9Fs' were products of necessity; in the early-1950s BR had to adopt measures to reduce its coal consumption - by order of the Government. It approached Dr Piero Crosti to see if the pre-heater system that he had developed with Attilio Franco could be used on its new heavy-freight design, the '9F' 2-10-0.

Ten Crosti '9Fs' were built - Nos. 92020-92029 - and they were sent to the London Midland Region, with deliveries taking place from May-July 1955. They were allocated to Wellingborough shed, for use on Toton-Brent coal trains but, initially, appeared elsewhere at the behest of shed masters looking to try out their novel features!

From new, No. 92023 was sent to Rugby Testing Station for trials, where it was photographed. It was later tested for three weeks on former Glasgow & South Western Railway metals.

FRANCO-CROSTI '9F'

The Franco-Crosti system warmed feed water prior to its entry into the boiler, thus improving thermal efficiency. The system worked well in Italy as the pre-heater could be mounted on the boiler. However, Britain's restricted loading gauge meant that the heater had to be mounted between the frames and the exhaust was three quarters of the way along the fireman's side footplate.

This created unpleasant working conditions for the crew as they were covered in smoke and ash after only a few miles. Tests and trials were carried out and the whole class was fitted with smoke deflectors over the winter of 1955/1956. No. 92029 shows off the revised look as it works Down empty coal wagons at an unrecorded location on April 2 1956. STEAM RAILWAY COLLECTION



48

By 1959, the Crosti experiment was over. All ten were rebuilt to conventional form, although the work would take from September 1959 until June 1962 to complete. The Crosti system was not successful, with tests revealing an embarrassingly low 7% increase in efficiency when compared with conventional '9Fs'.

The rebuilt Crostis, however, were easily recognisable as they retained their smaller smokeboxes, with dog-clips, and chunky steampipes.

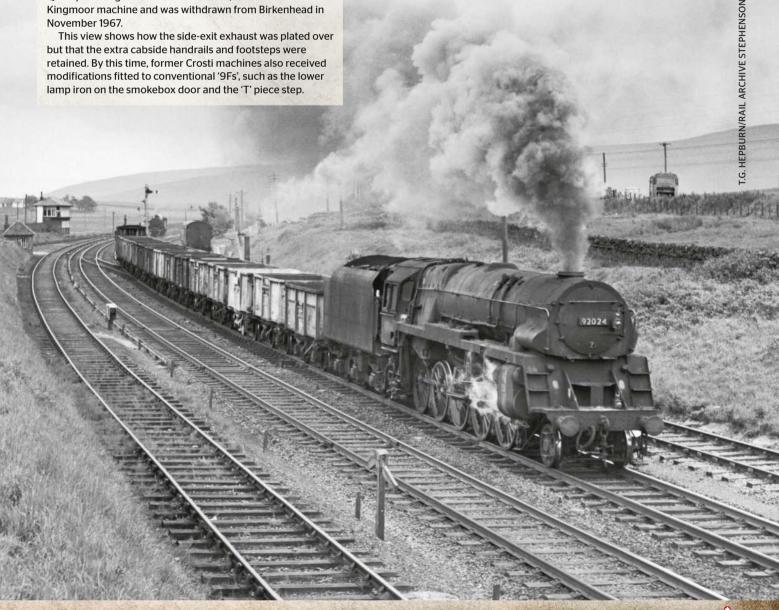
Revised No. 92021 is at Oxford on May 8 1961; there's no pre-heater between the frames and the extra handrails were gradually removed. **DAVID ANDERSON**



After their rebuilds, the former Crostis were dispersed over the London Midland Region and, given their curious origins, they survived until the penultimate year of steam.

The banker has just dropped away as No. 92024 powers past Beattock summit with a train of limestone from Shap Quarry to Glasgow in 1964. At this time, it was a Carlisle Kingmoor machine and was withdrawn from Birkenhead in November 1967.

This view shows how the side-exit exhaust was plated over but that the extra cabside handrails and footsteps were retained. By this time, former Crosti machines also received modifications fitted to conventional '9Fs', such as the lower lamp iron on the smokebox door and the 'T' piece step.



METROPOLITAN RAILWAY BO-BO ELECTRICS

Electrification solved the problem of smoke in the Metropolitan and Metropolitan & District Railway tunnels and it was gradually extended into Metroland, the parts of rural Hertfordshire and Buckinghamshire that the Met would redevelop. Ten 'camel back' Bo-Bo electrics were ordered in 1904 and a further ten, boxy looking machines, in 1906.

By 1919, these machines were deemed underpowered, so the Met ordered 201,200hp electrics from Metropolitan-Vickers. They were classified as rebuilds and featured the boxy body of the 1906 machines with angled noses. However, contemporary photographs suggest that they were all new, but official records that might prove this are believed to have been destroyed.

This post-war shot shows a typical duty: No. 14 Benjamin Disraeli at Rickmansworth with a rake of six 'Dreadnoughts' on August 4 1960. STEFANIE BROWNE COLLECTION



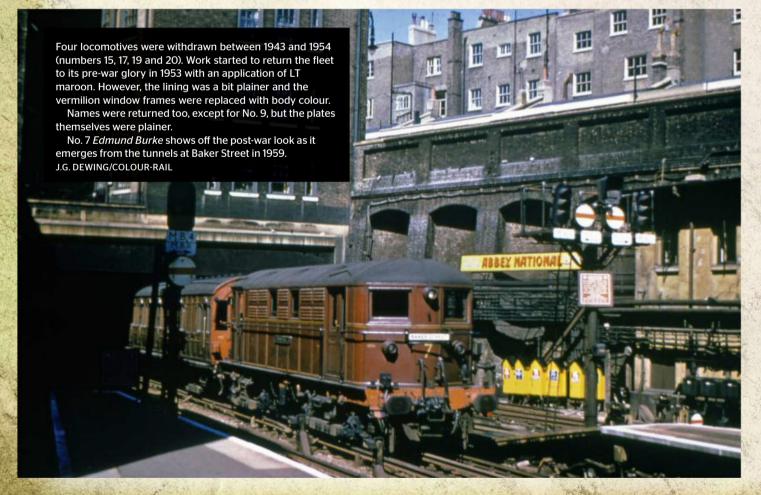
Number 17 was the first to be delivered and all 20 locomotives entered service circa 1922/23 - again, all official records have been lost. The solebar lifting lugs and fuse boxes swapped positions, the droplight cab front windows were sealed and two side windows were included by the single cab doors.

They were painted maroon, with the name 'Metropolitan' on the flanks above the number and had crests on each end. They were soon named after dignitaries with links to the Met's route or history, and the name plates replaced the word 'Metropolitan'.

The Met became part of London Transport in 1933 and the new name was carried on plaques on the sides. Grey replaced maroon during the Second World War, and the ornate nameplates were removed too.

No. 9, formerly *John Milton*, shows off its wartime livery not to mention the unusual cab doors - at Neasden on January 27 1962. STEFANIE BROWNE COLLECTION







Rickmansworth was the place to go to see Met electrics because it was where the electrified lines ended and steam took over for the journey to Amersham and Aylesbury. Nos. 11 George Romney and 4 Lord Byron rest outside Rickmansworth's goods shed, on the south sidings, on September 7 1961.

By this time, electrification had been extended to Amersham and along the Chesham branch, with the steam changeover retained for only a few services. This was costly and so EMUs - dubbed 'A' Stock - were introduced, and this signalled the end for the Met electrics and their wooden bodied coaches.

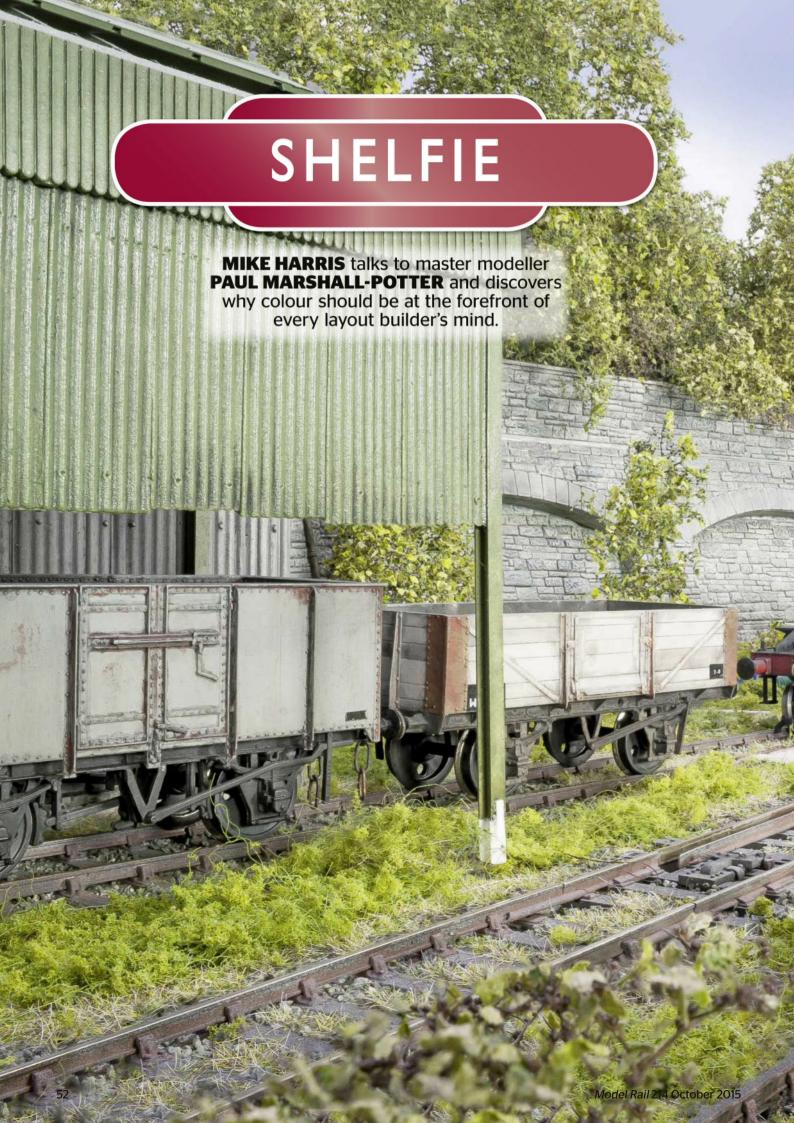
The Met electric fleet was withdrawn between January and March 1962. Most were cut up quickly but four were retained by BR at Rugby for trials and were not scrapped until 1966.

Four were also retained by LT for depot shunting: No. 1 *John Lyon* at Neasden, No. 3 *Sir Ralph Verney* at Ruislip, No. 5 *John Hampden* at Acton and No. 12 *Sarah Siddons* at Ealing Common. Declining work led to No. 3's being withdrawal in 1965 and No. 12's fate was uncertain. However, it was decided to use it for brake block trials and it was modified to suit.

The remaining trio survived into the 1970s. Sadly, No. 1 was scrapped in 1974, but the future was brighter for Nos. 5 and 12.

The former is now on display in the London Transport Museum, Covent Garden, and Sarah Siddons is still retained by Transport for London. It was returned to service in 2013 to help work steam-hauled trains to celebrate the Met's 150th anniversary.







odel Rail regulars will know Paul Marshall-Potter for his many contributions to the magazine, and they'll also know - from his 'how to' articles - that he's an extremely accomplished modeller. But Paul's modelling skill is a mere 50 per cent of what makes his layouts so interesting.

I like to think of Paul as a modelling director, and that's because his layouts are so much more than a model and a railway; they're modelling theatre. Paul's layouts don't just end at the 'stage' - everything around it, from the backdrop, audience perspective, and lighting is taken into consideration. That's what makes his methods of construction so interesting, he doesn't just think about what he wants, he thinks about what would benefit the viewer.

Take Paul's previous layout, 'Albion Yard' (MR186), for example. The fiddleyard is partially scenic so that when audiences look beyond the confines of the layout, they can still see rooftops and vegetation in the distance. He's even placed trees in the foreground, insisting that this creates more interest as viewers move around the layout searching for a better view, and thus picking up on little details they may have otherwise missed.

And then there's the lighting rig, which was specifically configured for 'Albion Yard' so that no matter what the lighting conditions of the exhibition hall are like, audiences can view the layout as Paul intends. This theatrical method of construction is unique and refreshing, and it's clearly been utilised on 'Shelfie', too. So without further ado, let's draw back the curtains and reveal what goes on backstage.



COPY FROM REAL LIFE, INSTEAD OF MAKING IT UP. IF YOU COPY WHAT YOU SEE YOU WON'T GO FAR WRONG ""





Above: Paul maintains that without the photographic backscene 'Shelfie' would look "massively different".

Right: Paul stresses that although there are no figures on 'Shelfie', he does use them. However, they must look right and be painted well.

BRICK BY BRICK

'Shelfie's' most distinguishing feature is its large retaining wall that dominates its scenic section. As with any prominent centrepiece, it's imperative that time is spent getting it to look perfect. The wall itself is a Wills product, but Paul wanted to give it more relief.

"It had a flat wall within the arch," he explains, "but I thought it'd look better with the inner walling set back. It took a little bit of work to make the inside of the buttresses, but other than that, there were no real modifications done to the kit."

The most important element when producing the wall was getting the colour right.

"The colour of the stone was built up with a white undercoat and then various different bricks and stones were picked out in a random pattern - some painted darker than others. They were then given an overall toning down using various greys to blend everything together." Paul stresses that referring to photographic sources made the job much easier, "Copy from real life, instead of making it up. If you copy what you see you won't go far wrong."

Colour is a constant theme when discussing Paul's style. You won't find any flat, bright colours anywhere. Instead, subtly desaturated and unobtrusive colours create the illusion that the sun really is beating down onto the layout.

"Everything is muted," Paul says.
"There are no loud colours. You can
see some very dark and light colours
on the layout if you look closely, but
the majority are midtones."

But how exactly did Paul create a colour palette that remains so true to reality? The simple answer is that he used the colours on the photographic backscene as a reference.



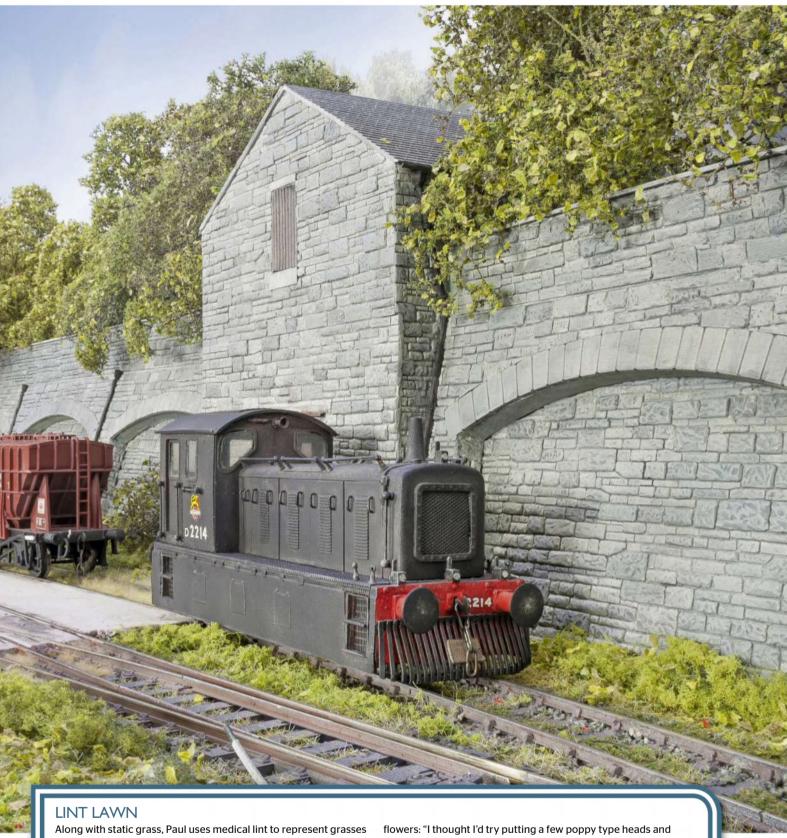
BLEND FROM THE BACK

Photographic backscenes are becoming increasingly popular. They require much less work than a conventional, handcrafted backscene, and unless you're an accomplished artist, they'll likely look better, too. However, there's much more to adding a photographic backscene than simply sticking pictures to your layout. For the backscene to work

properly, it needs to blend into the model as seamlessly as possible.

Paul went to Chris Nevard for a suitable backscene photograph for 'Albion Yard' and he used the same imagery for 'Shelfie', only using a much smaller portion of the original image. He stresses that the key to blending backscene and model is careful colour matching.

Paul describes the science behind it. If you view a landscape under



Along with static grass, Paul uses medical lint to represent grasses and weeds, although he does warn that it's becoming increasingly hard to find; "It's almost like contraband now!" But if you can get hold of it, the method of application couldn't be easier: "Medical lint has a fluffy texture on one side, which is literally the lint. You fluff the lint up with a toothbrush so it's not flat, and then you put a very small touch of glue onto the desired surface and rest the material on top." Once the material is pulled back, some of the lint fibres remain on the glue. It's as simple as that.

I was also interested to find out how Paul achieved such vast tonal variations in his grasses. Look closely and you'll notice varying shades of colour, and even small red dots that represent flowers: "I thought I'd try putting a few poppy type heads and things in, just to see what it looked like, and they're alright. I suppose it breaks it up a little bit, but I was careful not to make it look like a flower garden. When you're using scenic materials you need to mix things up. When you look at a patch of grass, even the grass on Wimbledon Centre Court, there are variations and subtleties in tone, and that's what you need to catch."

Although you wouldn't guess from the quality of application, 'Shelfie' is Paul's first layout to contain static grass; "A lot of this is Woodland Scenics. Both Chris Nevard and Peter Marriott have extolled the virtues of static grass, and now I've used it I am really pleased with it."





INTO THE WOODS

One of 'Shelfie's' defining features is Paul's scratchbuilt trees. They are mainly constructed using sea moss, but what sets them apart is how they're constructed: "They are made so that they have a slight transparency. That's the key thing, allowing light to pass through

the leaves; it produces realistic light and shade underneath. If you take the layout outside, with the panelling off, you can get

some really stunning, natural shadows."

One thing that I noticed immediately is that the trees contain hardly any indication that they've been painted. Usually, even on finely built trees and bushes, dried paint seepage is present between the flocks and scatters used to represent leaves. Paul is obviously very disciplined when spraying, resisting the temptation to move too close. As for the colours themselves, he uses Halfords acrylic car paints; Vauxhall Leaf Green, Rover Russet Brown, and Ford Tuscan Beige, along

a blue sky, particles in the atmosphere will cause the farthest reaches to adopt a blue hue. This is known as aerial perspective. Rather remarkably, both Paul and Chris considered this phenomenon in the production of the backscene.

As Paul explains, "Chris had already put some blue into the image. The task then was to match the foreground to the background. That meant a subtle change to the palette of colours I had used on the foliage, and indeed on the track to better represent the blue end of the spectrum."

But Paul went one step further than simply blending colours as, like 'Albion Yard', 'Shelfie' has its very own lighting rig. This comprises a kitchen cabinet lighting bar flanked by two strips of blue LEDs. The LEDs act as something of a white balance, softening the intensity of the light bar. Says Paul, "Because the lighting is so close and so powerful, the yellow definitely has more emphasis, which is why I've balanced it with the blue LEDs."

If that wasn't ingenious enough, 'Shelfie's' tonal range can be altered on the fly as the blue LEDs can be dimmed or brightened to create a range of lighting situations.

The backscene itself is made of vinyl. Paul prefers this medium as there are no sharp edges where it wraps around the corners of the layout. He uses hook and loop fastening to secure the backscene in place, meaning it can be quickly removed when needed, which is very handy when assembling/collapsing a layout at an exhibition.

Paul also points out that a matt backscene can make all the difference.

"A lot of photographic backscenes out there have a satin or gloss surface, which causes a lot more light reflection. But a matt finish helps to absorb the light, as well as bounce it back. You can easily get around a glossy backscene though, just apply a matt acrylic spray."

He wants the trees to be smaller so that they will blend alongside an 'N' gauge building, to be positioned behind the retaining wall. This forced perspective will suggest that the layout is bigger than it really is. Paul plans to get the backscene reprinted.

DEAL WITH IT

Despite ample modelling and layout building experience, Paul still runs into difficulty from time to time. But he's learned to identify when things aren't going right, and copes accordingly.

"I find weathering relatively easy, so if I get stuck on something I'll leave it and do something else that's easy for ten minutes, regardless of what it is. •

with blacks, greys, and whites.

Or I'll step away and do something completely different - I'm currently painting a P-51 Mustang for example."

One challenge Paul faced when building 'Shelfie' was the use of space, which is not surprising considering the layout's small size.

"You've got a small area. You can only put so much track on it, but you've got to get the visual balance right so you haven't got too much track.

"I'd say it's almost impossible to have too much scenery because you could just have a very simple run-around, and you could make it look really nice. But if you had the layout absolutely filled with track it just wouldn't look realistic because you haven't got any space to create some scenic context - particularly when you only have a confined area to work in."

From an operating point of view, the amount of track is just right. You've got enough there to set yourself a shunting puzzle, but - as you can see from the photography - the track never dominates the scenery.

CURTAIN CALLS

If you're new to railway modelling, or about to embark on a new layout, Paul's knowledge could prove invaluable. It's all here, from blending models and backscene to creating realistic scenery to laying the right amount of track.

'Shelfie' is a lesson in basic techniques done properly. And then, for the veteran modeller, there's a lesson in adding that extra layer of depth; lighting, perspective, and a realistic colour palette. This is a great layout, but the model isn't particularly complicated. It's the planning and the theatre that makes it stand out. Bravo indeed.

Right: The 'concrete' between the rails was created using DAS modelling clay. Before it had dried, a set of steamroller Lima pancake wheels were used to cut the gaps between the rails - due to the models having large flanges.

Below: All of the buildings can be removed. The shed on the left has a practical use, and can house a transformer.





60





LAYOUT FACTFILE

SHELFIE

Gauge & scale: 4mm:1ft scale, 16.5mm gauge, 'OO' Time to build: Around nine months

Period: Deliberately vague

Prototype: Fictional, with inspiration from the industrial north around the Sheffield/Leeds area

Size: 4ft by 1ft

Track: Peco Code 75

Locomotives: Modified ready-to-run

Rolling stock: Ready-to-run and kit-built

Power & control: DC, Gaugemaster HH Single Track Hand Held Controller Feedback Buildings: Proprietary resin, scratchbuilt, and modified kits

LAYING FILLINES

Remember that, above all, the layout must be interesting to operate and have serious 'play value'. You'll be spending enough time building the thing - you may as well enjoy operating it! M

DAVE SAYS...

It's so much easier to build a layout based on a real location, rather than a fictitious one. Having built many fictitious layouts, I can speak from experience. They're harder to build because they have to look right and there has to be a good balance. It has to be operationally correct, whereas a real one was designed in a specific way to suit a specific purpose. And a layout that worked in real life should also work in miniature!



This 'O' gauge layout is based on an image of an actual location, featuring a double track mainline and a set of Up and Down sidings.

Flexible track is best for gradual curves, rather than the set radii of sectional track. Use Rose Track sectional track. Use Peco Tracksetta templates to help achieve the correct radii and ensure that the lines curve consistently

DIFFICULTY TIME

30 mins per metre of double track

TOOLS NEEDED

- Knife
- Straightedge
- Files
- Tweezers
- Pliers
- Pin hammer
- Rail cutters
- Drill & bits
- Abrasives

UNDERLAY

Laying track directly onto the baseboard top and securing it with ballast and adhesive will give you a realistic, loud 'clickity-clack' noise as the trains pass over rail joints and points, which may be just what you want to hear. However, there are modellers who prefer smooth running trains that quietly glide along and, for such people, trees are grown in Outer Mongolia to produce cork!

We don't have to go that far to get hold of this material, though, Rolls of thin cork are available from model shops, specifically for track laying use. Alternatively, you could pop down to your local DIY store and pick up some cork tiles or cork underlay sheets for laminate flooring. These are generally thicker than rolls aimed at modellers, offering better sound-proofing qualities and helping to raise the trackbed above the baseboard - perfect for modern mainlines!

Whatever cork products you choose, the sheets will need cutting to match your trackplan, allowing a few millimetres extra on each side of the tracks and cutting the edges to a chamfer to help with forming the ballast shoulders later.



Rolls of thin cork underlay are available from model shops, while a thicker alternative - great for 'OO' and 'O' - is cork floor tiles.



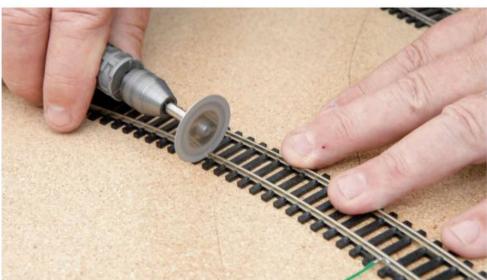
Cut the cork tiles with a chamfered edge to help form the ballast shoulders later.



Other alternatives are the integral track systems from the likes of Tillig, that include a plastic 'ballast' backing. It allows every section of track to be simply coupled together.



There's also the option of a pre-coloured and textured foam ballast underlay from manufacturers such as Hornby and Peco. Moulded to accept the sleepers of commercial track products, it can be laid in seconds with no need for painting or ballasting. However, according to the label on some products, the foam will deteriorate after about 20 years!





Flexible track can be used to give smoother, gentler curves than commercial set track but needs to be cut to take the fishplate joiners.



When using shears, keep the open edge of the jaws to the waste side and the tool perpendicular to the rails for a clean, square cut. In most cases, the sleeper webbing can also be cut at the same time.



The rail edges will require a light dressing with a needle file, ensuring that no burrs remain that will hinder the joiners.

CUTTING RAILS

There are various tools for cutting rails, ranging from a humble junior hacksaw to a set of handheld shears such as those offered by Xuron and DCCconcepts. Dave's preference is a 28mm slitting disc with a diamondimpregnated blade, available from S&M Tools (Tel. 020 7831 8366), mounted in a small electric drill. Whatever you use, check the cut is clean and use a file and abrasives to remove any burrs and scratches on the railheads.



Track cutting shears take much of the hard work out of trimming track. DCCconcepts offer a variety of super-sharp cutters to cope with different gauges.

Workbench

MAKE THE CONNECTIONS

Fishplates are needed to join the lengths of track together. They may be ready fitted to sectional track such as Peco Setrack, but for flexible track and points you'll need to buy packs of fishplates separately. To make a good, neat joint, it's best to remove one or two moulded chairs from the sleepers, thus allowing the fishplate to slide into place without pushing the rails upwards.



After cutting the track to length, the plastic chairs from the end sleeper will need cutting away to give the fishplate joiners adequate clearance. Watch your fingers!



Make sure you choice the right fishplates to match your rails, taking note of the rail code. Press a fishplate onto alternate rails on the two sections and gently push them together.



It's easy to misalign the rails and fishplates, especially on small-scale track, so take a good look to see that the rails are level.



After joining sections of track, always run a couple of items of rolling stock over the joint to test for a smooth ride.



Left: Fine abrasive pads or wet-and-dry paper will polish the railheads after cutting and fettling, removing any tool marks that will attract dirt.

Below: 'N' gauge track is tricky to join as the rails are partially embedded in the sleepers. Cut the sleepers away to allow half of the joiner to be slid into place.





A large gap will appear between the sleepers at the rail joint. However, pairs of sleepers can be cut to fit beneath the rails and joiners. Secure them to the track bed with glue once all of the track has been laid and tested.



Peco 'O' gauge track can be joined quickly as the sleepers seldom need modifying. A stronger set of cutting shears is needed, however, or a junior hacksaw employed to trim the rails.

FIXINGIT

The track will need to be secured to the baseboard somehow, with the most common means being fine track pins, tapped home gently with a small hammer.

Sectional track often has small holes moulded into some of the sleepers for the pins to pass through, but flexible track and points often do not, so a pilot hole needs to be drilled first. You can pin the track every eight to ten inches or so on straight sections, although curves will require more pins spaced closer together in order to maintain the desired geometry.

If you intend to ballast your track, there's no need to drive the pins all the way home, leaving them standing slightly proud of the sleepers slightly. They can then be removed once the ballast and adhesive has cured fully.

To get your track nice and straight, draw long lines on the underlay or lay the rails alongside a steel rule; this also helps when installing and aligning points.



Above: Drilling small pilot holes in the sleepers will help **get the t**rack pins started.



Left: Track pins differ in size and gauge. The thinner pins are more discreet but more liable to distortion.



USEFUL SOURCES

Peco track and accessories, Fleischmann track screws, Tillig track system and DCCconcepts cutting shears are available from model shops or direct from Gaugemaster.

Tel. 01903 884488 Web. www.gaugemaster.com



A tiny jeweller's hammer is best suited for working with smaller scale track. Hold the pin with pliers to avoid damaging the rails.



In most cases, the pins need only be inserted temporarily and removed after the ballast has been secured with glue. In this case, the pins are partially tapped home and bent over to press down on the sleepers and allow clearance for stock to run over the track during testing.



Notice board pins are a handy means of positioning any size of track during laying operations, allowing for adjustments to be made to the alignment. Once ballasted and glued, the pins can be removed easily.



As an alternative to track pins, Fleishmann offers packs of small screws. Again, a pilot hole is required, but the screws offer a more resilient bond with the baseboard.

LEARNING CURVE



Try to avoid laying track too near the edge of the baseboard, especially where curved sections are concerned. Not only will it resemble a train set, but also it encourages your models to jump off the layout: see an edge and off they pop!



Try moving the tracks inboard as much as possible to give you more clearance and space in which to add scenery.



When using flexible track, avoid making joints at the point where the curve begins. It's best to add joints on straight sections wherever possible.



Abrupt changes in curvature at rail joints will put pressure on the fishplates and can lead to derailments.

CLEARANCE ISSUES

When setting out double track curves, you can use a simple method to eliminate the chance of trains striking each other as they swing around the corners, especially when running long bogie vehicles.



Place your longest carriage on the outside track and lightly tack a pen to the centre of the coach. Push it around the curve so that the pen marks the baseboard.



Repeat with the pen fixed to one end of the same carriage now on the inside track. If the lines do not meet then the rails are far enough apart. If they touch or overlap, they're too close.



Make any adjustments to the track spacing before fixing with pins or miniature screws. Double-checking with a long carriage on both tracks won't hurt.



Peco produces a range of plastic track gauges to make it easy to space multiple tracks on straight and curved sections. But you can also make your own from scrap card.

EVERYTHING YOU NEED FOR YOUR DIGITAL RAILWAY

DIGITRAINS

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

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

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

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

Don't leave that major purchase to chance!

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

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



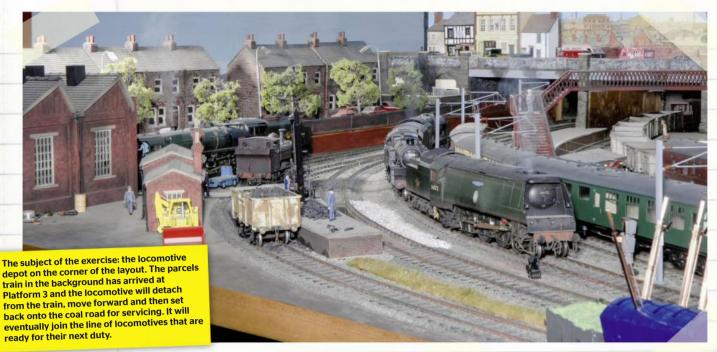
- Try before you buy
- Expert advice
- Great service
- Experience
- Major brands
- Worldwide mailing



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

15 Clifton Street, Lincoln LN5 8LQ **01522 52773 1**

www.digitrains.co.uk enquiries@digitrains.co.uk



DAVE LOWERY presents an update to his extensive 'O' gauge empire.

was one of those who said that I would never go digital. I couldn't see the point... until I tried it. Now I'm hooked! I can't get enough of DCC.

My layout has a series of circuits to run trains round but I also have several yards that can be operated independently, dealing with their own trains that can then be fed onto the main circuits. One yard that I have always wanted to operate this way is the steam shed. There is a sequence for locomotives coming off a train, going through ash removal, coaling and watering, and then joining the line of locomotives ready for their next turn.

There are a lot of movements within the shed area and so local control of the points was needed to save me running back to the ECoS command station.

DCCconcepts' Cobalt point motors are absolutely ideal for this situation as they can be wired so that they're automatically controlled from the command station. The trick up Cobalt's sleeve is that there's an additional pair of contacts so that push button switches can be located close by - fully flexible control!

Installation of the points motors is very straightforward, with the best bit for me being able to code the point motor on the programming track on the workbench. And when using the point lever as a switch to

operate the point motor, you can wire it up as a separate unit, again on the workbench, and get it all working reliably before transferring it to the lavout.

Simply connect two wires to the track and the motors are live. My preferred way of allocating an operating number is to firstly wire them up to the programming track. Flick the switch on the motor to accept the designated number and, using your DCC controller, go through the point operating procedure.

Once complete, the programming switch on the motor can be returned to normal and the point can be operated several times on the desk in front of you very comfortably. It can then be transferred to the requisite

I've fitted simple push-button switches in the front fascia, opposite each point. This is ideal for local operation of the depot, away from the command station. Two other sets of leads

from the point motor go to the point lever and push-button switch. point whereupon you normally end up hanging upside down under the layout while juggling a screwdriver, several wires and, with your third

hole in the point tie rod while whistling a happy tune! So I can either operate the points with my handheld controller or using the push buttons as I follow the locomotives around the depot, or operate them from

eye, trying to thread the operating

wire through the "eye of the needle"

a distance via the main controller at the desk, Perfect! M

COBALT-S LEVERS

I know that I keep banging on about these levers but I absolutely love them. I used five for the points on the locomotive shed area and have located them behind the bufferstop on the coal road as a ground-frame.

The nice thing about these levers is their size. They can be easily operated by people with sausage-sized fingers (like mine) and they come with additional spacers that can be added between the levers if you need to operate wearing mittens!

Five Cobalt-S Levers are placed behind the bufferstop and protected by the wooden layout support. These represent a ground frame that will operate the points while the locomotives are moved around the depot - and they're easily connected to the push-buttons!



MODEL RAIL Help is at hand - DCC

A&H MODELS

ww.aandhmodels.co.uk dccshop@hotmail.co.uk





We Distribute Lenz and Uhlenbrock Our website contains a comprehensive DCC Guide with many films showing how the products work











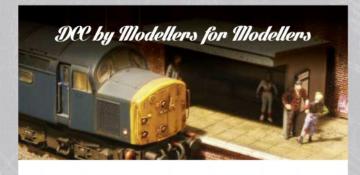


Visit our high street shop:

A & H Models. 95 High Street, Brackley, Northants. NN13 7BW. 01280 701410

DCC & Continental Specialist

Open Tuesday-Saturday 10.00-17.30 Closed Monday



Stockists of

Bachrus, Circuitron, Tam Valley, CML Electronic, DCC Specialties, Digitrax, ESU, Express Models, Gaugemaster, LDT, CT Elektronik, Lenz, New Rail Models, Roco, RR-Cirkits, Sprog DCC, Team Digital. TCS, NCE, Zimo. Plus Many More!

Friendly advice, support and installation services









Coastal DCC +44 (0) 1473 403764

www.coastaldcc.co.uk enquiries@coastaldcc.co.uk

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 10am - 5pm Friday

10am - 4pm Saturday Visitors Welcome.

Phone Opening Times: Mon - Thurs 10am - 6pm

Friday 10am - 5pm



The Complete **Digital** Service





facebook.

Unit 17A, Top Barn Business Centre, Holt Heath, Worcestershire, WR6 6NH











The ART of GEORGE DENT'S MODELLING

Model Rail's modelling supremo shares a wealth of tips that can add an artistic touch to your layout.



he question 'what is art?' is always going to be a divisive one, even without getting into a debate about autographed urinals, dirty bed sheets and sharks in formaldehyde. As far as railway modelling is concerned, I reckon that the ancient Greek philosopher Plato had it right, when he decreed that art was an imitation of nature.

After all, isn't that what we're striving for in our miniature worlds? It might not be 'nature' exactly, especially when we're building industrial or urban scenes, but the basic premise still stands: we're imitating what we perceive around us, whether that's a real landscape or one that we're imagining.

A model railway has to look right. It might not be technically accurate, the rails may be too close together, the point rodding not strictly to regulations and the telegraph poles not spaced exactly but, as long as the overall impression appears convincing, then we've done our job.

Therefore, I've collected a selection of hints, tips and demonstrations that will help you to achieve greater realism for your layout. Perhaps you can call most of them artistic, as they follow the Platonic rule of serving to imitate the surrounding world more faithfully.

modelling



Workbench

1 PLANNING

THREE-DIMENSIONAL SKETCHING

I've never really been one for making scale plans on paper before building a layout. Rather, my initial scribblings are transferred into three dimensions, using the actual track, buildings and rolling stock to see how everything will look (and if it will fit into the space) before any of the wood is cut.

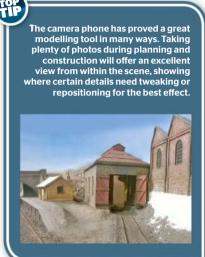
Here, my 'Maudetown Colliery' layout is in its infancy, with the rough track plan laid out,

while the stock is physically pushed around to check if all of the necessary marshalling manoeuvres will be possible.

Even in the earliest stage, it became clear that one of the most important vantage points would be at the tunnel mouth, as trains emerge into the colliery. Accordingly, the foreground at this end was left clear of visual impediments to make the most of the view.







DON'T BE AFRAID TO CHANGE YOUR MIND

My layouts evolve throughout the planning and building process, as features are tweaked to suit the available space, operating procedures and - in most cases - my changing whims. It helps that most of my own layouts have been fictional, so there isn't the need to be a slave to the prototype. Many modellers will disagree, but I gain the most enjoyment when working purely from my imagination!

This layout initially started out as a way of re-using an existing baseboard as well

as an excuse to employ a lovely Scale Link brass kit of a GWR station building (MR144). But, try as I might, I just couldn't get the station to look right. So instead, I opted for a more rural, wayside style of timber building, with a road overbridge and hill obscuring the scenic break.

The opening at the rear of the baseboard would allow for freight wagons to be loaded or unloaded out of sight, with a goods shed disguising the off-scene goings-on.







The smaller station building is in perfect proportion to the surroundings, avoiding excessive clutter and providing more scenic space. The platform continues under the bridge to give access from the road.



At the other end of the same layout, there was no opportunity for a substantial scenic break such as a bridge or tunnel, so some strategically placed buildings and trees will do the job.



The curving, narrowing road 'stretches' the view, while the tall building and trees in the foreground create a pleasing perspective. There is no unsightly shadow in the corner either, thanks to the curved backscene.

22 SETTING THE SCENE

Backscenes ought to be considered from the outset, rather than treated as something to be tacked onto the back at a later stage. Curved corners are essential to avoid shadows and hard edges being visible in the 'sky'. Bendy MDF or thin fibreboard can be fixed to the sides and rear facia of the baseboards before any track or scenics are installed.

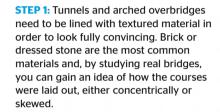




Once the MDF has been primed and painted or faced with a printed backscene, the results can look tremendous. In this case, I applied a white primer via an aerosol, followed by various shades of blue acrylics sprayed through an airbrush, concentrating the darker shades higher up the boards.

BRIDGING THE GAP

Bridges and tunnels offer the perfect means of creating a scenic break between baseboards or to mask the entrance to a fiddleyard. But their appearance can be vastly improved with careful painting, as well as the angle at which the structures are set. For instance, positioning a tunnel mouth away from the viewer will add a dynamic slant to the trackwork, as well as preserving the illusion that the tunnel actually leads somewhere, rather than to a fiddleyard!







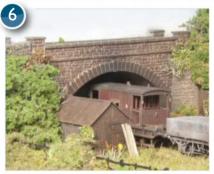
STEP 2: Employed as a scenic break, this bridge also tapers in width as part of an attempt at forced perspective. Angling the wing walls and building up the embankments gives the structure a sense of purpose and solidity. This Wills kit lacks any form of abutment walls, but they're easy enough to create from layers of embossed stone sheet to match the rest of the structure.





STEP 3: Having filled any gaps between the masonry sections and re-scribed the mortar courses where necessary, the structure can be primed and painted. Modelmates Brick Joint Filler is a handy medium, brushed into all the nooks and crannies.





STEP 4: To preserve the mortar courses, the stonework is painted by dry-brushing various shades onto the textured surface. By using a flat, softy bristled brush, the pigment will catch on the projected masonry. Mix up a palette of slightly different shades to avoid a uniform appearance.

STEP 5: Smoke and soot stains are a ubiquitous feature of railway bridges and tunnels. The effect can be created by dry-brushing, with dry weathering pigments or with an airbrush.

STEP 6: The finished bridge looks at home, aided further by the encroaching vegetation. The ferns rooted in the mortar courses add an extra touch of realism.

Workbench

33 THE ROAD TO SOMEWHERE

Unless they're running to a clear destination or cul-de-sac, any roads on a layout should give the impression that they're leading somewhere, even if that 'somewhere' is hidden beyond the backscene. As far as possible, I try and avoid lanes or roads heading straight into the blue yonder, aiming instead for gently curving carriageways that disappear behind structures, landscape contours or a row of trees.

Other factors to consider include the width of the road, which will depend on the period and location. Rural and suburban roads in the pre-1960 era were much narrower than they are today, as vehicles of the time were smaller and far fewer in number. Road markings and signage also differed over the years, so some research will be in order to get your roads looking convincing.

The type of surface is also important, with rougher tracks looking at home in the countryside and smoothly metalled roads being the norm in urban areas. Perhaps a cattle grid would be an authentic feature on your country lane, or speed bumps and safety cameras for



your contemporary townscape.

Roads also provide an excellent means of playing with perspective. As they move further from the viewer's vantage point, they can narrow and curve away out of view far more effectively. Installing smaller road signs in background areas also helps.

The traffic using the roads plays a vital role in realism. As well as the

The slight camber is just about evident and the narrowing road curves off to the right, the different shades of foliage revealing the bend in the road. Actually, the road comes to a hidden dead end!

period and region-specific vehicles, static cars, buses and trucks can look odd as the trains roll by, so why not place them strategically, waiting at traffic lights or level crossings or parked up on the roadside? In remoter areas traffic can be very infrequent, so the evocation of a quiet backwater can be confirmed by keeping the lanes and tracks clear.



DAS air-drying clay is a great medium for creating roads, either rough tracks or smooth asphalted carriageways. Apply the clay by hand, working it onto the landscape. A prior coat of PVA, left to turn tacky, will help adhesion.



Smooth out the clay with a rolling pin or a flat spreading tool, such as a spatula, until the required gradient is achieved. A paint roller can add texture, with various sponges employed to suit different surfaces. Use the roller to work the clay into a gentle camber while you're at it.



DAS is also ideal for level crossings and other locations where the rails need to be set into the roadway. It can also be readily embossed or carved to replicate cobbles or stone setts. Always ensure adequate clearance for the wheel flanges.



Cattle grids are a common, yet seldom modelled, feature of the countryside. This etched grid is from Studio Scale Models (www. studio-scale-models.com). A suitably sized pit has been cut in the DAS clay.



Paint the inside of the pit before fixing the grid in place. The rest of the road can then be painted with various acrylic shades, using a wide flat brush. Tamiya textured paints are ideal for rougher farm tracks.

BUILDINGS

Setting the goods shed and factory at a slight angle, convergent with the path of the main running line, creates a

dynamic visual effect and

exaggerates the depth of

Another way of avoiding too many straight lines, while also maximising the scenic area, is to set some of the buildings into the backscene. Many off-the-shelf or kit-built low-relief buildings are designed to sit parallel to the backscene, but they can be modified - as can any building - to sit at an angle for a more organic appearance.

Painting and weathering buildings also plays a major role in creating realism, and I'm happy to employ 'ready-to-plant' structures once they've been improved in some way. Usually that means a few added details, such as gutters and drains or improved chimneys, but most of the work usually goes into a better representation of the masonry and roofing materials.



This Bachmann Scenecraft factory was just what I wanted for the backscene of my layout, but it would need chopping up to fit into the available space.



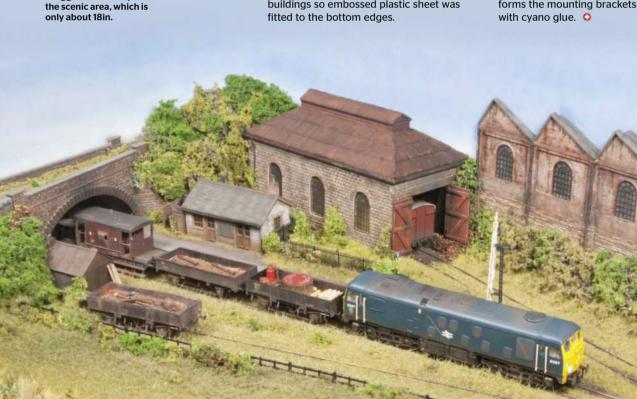
Having removed the north light window frames from the roof, the factory was secured in a vice and a hacksaw made the angled cut from the roof down. Keep the blade vertical!



The cut walls then needed filing straight and true (wear a mask!). Alone, the factory didn't appear tall enough to match the adjacent buildings so embossed plastic sheet was fitted to the bottom edges.



Any gaps between the lower walls were filled and drain pipes installed from plastic rod. Electrician's tape, cut into thin strips, forms the mounting brackets, secured with cyano glue.



Workbench



The etched northlight windows and glazing was trimmed with shears and re-fitted with PVA adhesive and the factory was ready for painting and weathering prior to final installation.



Waste not want not! This Hornby Skaledale engine shed has been used on a couple of layouts in the past and was found lying around awaiting re-use. With a corner cut away, it was to be converted into a goods shed.



With a platform added to the interior, the goods shed also covers the access slot in the backscene to allow wagons to be loaded and unloaded out of view.



A problem with the Skaledale shed was the incorrect rendition of the corrugated iron roofing. DAS clay was applied to the roof, over a coating of almost-dry PVA glue and pressed out flat.



The DAS clay also allows the shed to be blended seamlessly with the curved corner of the backscene. The roof coating was then shaped to follow the stepped layers of the original pattern.



An offcut of Wills embossed plastic was then used to stamp the clay with a more appropriate pattern. The clay will absorb very fine detail, including the joints between layers of iron, as rendered in the plastic sheet.



After leaving the clay to dry for a few days, the roof was painted and weathered with acrylic paints and weathering washes. The finished results proved well worth the effort.

WHAT **NEXT?**

George will show off more of his art of modelling techniques next issue, in which he'll be focusing on the trains themselves. Don't miss it!



EXCLUSIVE TO MODEL RAIL



MR-106: DS233, BR Departmental



MR-101: USATC No. 4326



MR-107: No. 36, National Coal Board







MR-104: BR late-crest ined green No. 30064

* Liveries may vary from those illustrated



Our second exclusive 'OO' gauge locomotive project is the

ORDER NOW Tel: 01209 613984

www.modelrailoffers.co.uk

FINESCALEBRASS

New releases including both City of Truro liveries O Gauge fully finished from stock



Constructed from brass & stainless steel with helical gearbox, factory applied lining and detailing. £1650.00 fully finished, DCC & sound £350.00

Prices include VAT, insured delivery, no extra charge for credit cards

Finescalebrass (UK) Ltd, Unit 5, Matrix Court, LEEDS, LS11 5WB. TEL 01132794872, EMAIL john@finescalebrass.co.uk

Check our website for other models, www.finescalebrass.co.uk

Workbench

PELLE SØEBORG'S ART OF MODELLING

PETER MARRIOTT gets the world famous modeller to spill the beans on his modelling ethos and inspiration.

elle Søeborg may be Denmark's most famous railway modeller, but thanks to his work with leading US magazine Model Railroader, his fame has spread globally. Pelle is now a contributing editor to Model Railroader, and has also written numerous books published by Kalmbach Publishing, covering a wide variety of model railroad subjects. Here, he talks exclusively to Model Rail about what drew him to the hobby, as well as imparting some of his tricks of the trade. M



How did you get into the hobby?

When I was ten years old, I was lucky enough to receive a Märklin train set and I was smitten. However, like most enthusiasts, I did lose interest in the hobby for a period in my early 20s. I ended up selling all of my stock to fund new pursuits. Trains were never far away, though, despite a serious obsession with Harley-Davidson motorcycles. When I took up oil painting, I ended up spending most of my time painting Harley-Davidson petrol tanks!

Some years later, while I was browsing in a specialist bookshop in Copenhagen, I noticed a pile of *Model Railroader* magazines. I had a flick through and was amazed at the level of modelling realism -

I wondered "is that really a model?" This proved to be the spark that brought me back to the hobby of building model railways.

I'm now lucky enough to combine my passions in my career both as a graphic designer and as a contributing editor to *Model Railroader*.

What do you enjoy most about railway modelling?

That changes over time. Sometimes I like making scenery, then weathering rolling stock, then making buildings. I used to be really keen on detailing locomotives, but the ready-to-run models are now so good I no longer feel the need to do that. What I dislike most is the wiring!

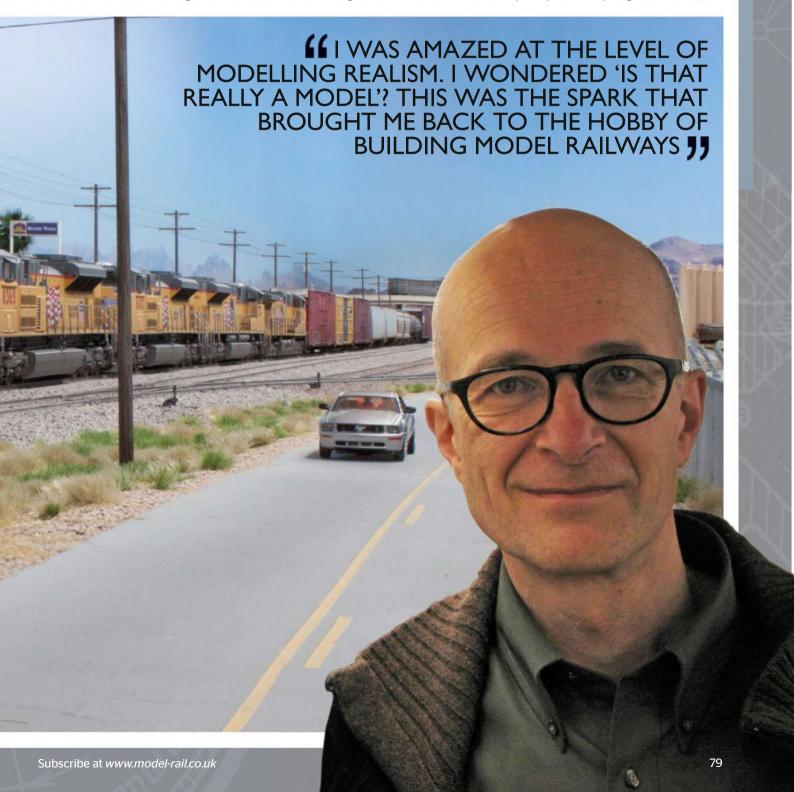
What do you prefer to model?

I especially enjoy modelling modern railway operations in the Western USA, in 'HO' gauge.

I also enjoy visiting railways for inspiration - and friendship. As a committed US-outline enthusiast, I try to visit the States at least once a year. Over the years I've built up a network of rail fan contacts and friends who join me on my visits. It's not unusual for us to camp out all night in the open while chasing trains across the Western USA.

How many layouts have you built?

My first large layout was based on Tehachapi Pass in California and measured 15ft by 16ft. Since then I've built three more large layouts in a specially built 22ft by 11ft garden shed.



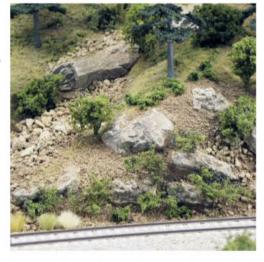
Workbench

Pelle's TOP TIP's

Colour is key

The choice of colours plays an important role in how a layout will look. I prefer light colours for scenery, because they appear more realistic, to my eyes at least. I employ a relatively narrow palette of colours for individual scenes and, if the colours appear too bright, or if there are too many of them, the scene will not look right.

I'd recommend looking at nature, paying close attention to the colours of grass, weeds, bushes and trees. For example, in drier areas the colours are golden and olive green, but in areas where there is more rain, or along riverbanks, the colours are a fresher, deeper green.



Take another look

After completing my first diorama, I was dissatisfied with its finished appearance - it just didn't look realistic enough. A friend suggested looking at the model as if through binoculars and, he was right!

This strange piece of advice proved invaluable and, as a result, I decided to improve the perspective, the colours and the details on my next layouts.

Why digital = realism

Always DCC. As soon as I first heard a sound-fitted DCC locomotive I knew I'd have to include this essential feature on my layouts. Originally, I'd obtain DCC-ready locomotives and install an ESU chip and speaker, but now I prefer to buy sound-equipped locomotives, as long as they have either LokSound or Tsunami decoders. Lenz DCC control systems are employed on all of my layouts.



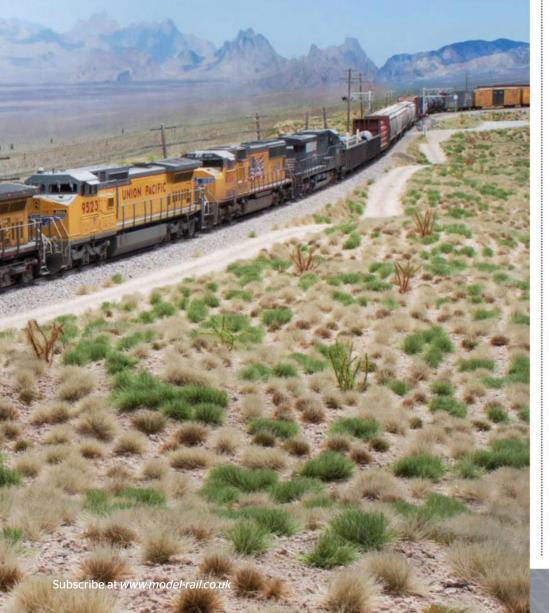
Following nature

I follow Mother Nature's rule and apply the scenic materials in the same order as in real life. Firstly, the ground is covered with dirt, followed by small rocks, grass, weeds and bushes. The ballast then follows and, when I'm satisfied with the scene, I dribble on water with some rubbing alcohol added. When the entire area is wet, I drip on diluted white glue.

This is a quick method for scenery making and all of the materials blend together realistically. To keep things manageable, I tend to work on sections up to 50cm square at a time, before repeating the same method on the next section and so on.



THE CHOICE OF COLOURS PLAYS AN IMPORTANT ROLE IN HOW A LAYOUT WILL LOOK ""





Pelle's tips for realistic roads

Don't make roads too narrow! I always try and make my roads as close to scale width as possible. Plaster is my preferred material, as it's closer to the texture of real asphalt. Plaster roads won't be completely smooth, so the little dips in the surface here and there look more realistic. Woodland Scenics' Smooth-It is a plaster material that's perfect for creating roads.

The first step is to make the mould for the road by laying stripwood, cork strips or Woodland Scenics Paving Tape along the edges of the road. If it's a curved road, Woodland Scenics Paving Tape is the best choice because it's very flexible. Mix Smooth-It with water and stir well before pouring onto the road. Spread it evenly and level it off with a flat spreader.

When this layer has dried, repeat the procedure with a second, thinner layer. Air bubbles can leave holes in the road surface, so take a piece of cloth soaked with water and rub the surface of the wet plaster gently to smooth out any imperfections. Leave the plaster to dry completely.

The roads are then painted, hand brushed with Humbrol or Model Master enamel paints. The road markings are created by masking the outlines with masking tape, then painting the yellow and white lines and icons, again by hand.

Finally, I weather the roads by dipping my finger in black powdered chalk and smudging the powder down the center of each lane.

WANT TO SEE MORE?

- Model Railroader
- (www.modelroader.com)
- Pelle's books published by Kalmbach (www.kalmbach. com) are available from various retailers in the UK including SPV (www.spv. co.uk) and Model Junction (www.modeljunction.info):
- Images of Pelle's various layouts can be seen on his website at www.soeeborg.dk





HOW TO DO IT: BUILD AND DETAIL A WATERFALL



Measure, mark and cut the frame that houses the waterfall. I used plywood for the base and polystyrene sheet for the back and sides, but thick card or a similar lightweight sheet material will work equally well. Shape the slope to mirror the surrounding terrain. Fix the pieces with PVA.



The rocks over which the water flows, creating the waterfall, are made using Kingspan insulation board. With a sharp knife, roughly chop chunks from a sheet. Picture how wide the waterfall should be and how deep you want the drops. There is no need to be too critical at this stage.



Start building the waterfall by arranging pieces of Kingspan at the point where the waterfall ends. This is the point where the last fall becomes a pool of water and a flowing stream again. Adding this feature before the upper parts of the waterfall ensures the waterfall will end in the correct place on the layout.



This step is important and reference to photographs of real waterfalls may help you here. The first stage in creating the falls is to construct a number of steps which get higher as they get further up the waterfall. The drops, which the water falls over, are in position, held in place with grab adhesive.



Start positioning the rock walls around the waterfall at the bottom. Take some of the small pieces of Kingspan and arrange them in positions that look natural and realistic. Add a hard shell of flat terrain to either side of the waterfall - this sits flush with the terrain either side of the waterfall.



To add more detail to the surface, carve it with a sharp blade. In nature some rock faces are smoother than others, especially where the effect of running water has played a part in their formation. It's very much a personal choice as to the overall texture and how many cracks and crevices appear.



To enhance the rock and to seal any gaps, mix a thin coat of cement with diluted PVA and apply to the Kingspan. Make sure this seals even the tiniest of gaps as it is this coating which will stop the scenic water, which is added at a later stage, from seeping away.



Rocks often fall from the ground surrounding waterfalls as the softer rock and earth around them are washed away, or are carried along by the action of the water in some cases. I added a couple of large boulders to the floor, made from bits of Kingspan coated with the cement mixture and glued with a spot of PVA.

Workbench



When the cement is dry, highlight the texture by dry brushing on assorted tones of paint. Cover everything with diluted black emulsion (one part paint to six parts water) with a small dab of white emulsion added. Then dry-brush on the mixes - see the panel on the previous page - to lighten the tone.



The wet rocks surrounding waterfalls allow algae and mosses to proliferate. Suitable weathering pigments have been added to the rocks. Treemendus Spring scatter (fine) has also added to some of the rocks surrounding the water. The scatter is fixed in place with Scenefix glue and a light misting of hairspray.



A slightly windswept tree has been introduced to the edge of the chasm and the trunk's bend complement those in the waterfall. The tree is a handmade wire armature coated with Bark Powder. Its root system has been blended into the terrain using the same cement mixture that was applied to the rocks.

Treemendus Forest Floor is applied to the groundwork on and around the waterfall. It is sprinkled on a layer of Scenefix glue. It also contains tiny roots and twigs, which can be fixed to the stream bed and among the cracks and crevices. A spot of glue helps hold them in place.



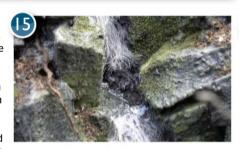
部

Consider disguising the point at which the waterfall enters the landscape, either by using rocky outcrops or a mass of trees or foliage. This avoids the impression of a waterfall coming straight out from the backscene or just appearing out of nowhere.

Treemendus Raw Grass fibres are also useful for enhancing the walls of the waterfall. A thin coat of neat PVA glue applied to the rocky ledges is enough to hold the fibres in place. Work the fibres into the glue with a wooden skewer, or bristle-less paintbrush.



Turning to the water, scenic fibres are draped over the edges of the falls and trimmed with scissors to a length slightly longer than the falls themselves. PVA glue is then applied to the edge and the fibres are firmly pushed in. The more fibres used. the thicker the fall of water will appear.



Spray the fibres with hairspray to make them more rigid. Then mix a little white acrylic paint with some pre-prepared Deluxe Materials Scenic Water and carefully brush it onto the fibres. They will set hard and form a rigid frame for the falling water. Cut away any fibres which look too thick with scissors.



Prepare the Scenic Water and pour it into the plunge pools. These have been painted with very dark paint and when the scenic water has dried they will give a good impression of very deep pools of water. Then pour it into the bed, over the front of the scenic fibres and around all the rocks and boulders.



With the movement of the water comes splashing, so add the appearance of wetness to the rock surrounding the water. Use a small amount of Solid Water (use leftovers from the previous step) and work it onto the areas where you would find splashing with a stiff paint brush. Fill some small hollows too.



To add more movement to the surface of the water take some Deluxe Materials Making Waves and use a small paintbrush to apply it to the surface of the water. Use a stippling action to create swirls and splashes on the surface. Making Waves can be used for small waterfalls so you don't need Scenic Fibres.



Avoid using pure black or white on the rock as this may look unrealistic. Leave the undersides of any overhangs dark as this is an effective way of introducing shadows to the waterfall.



To add even more movement, mix a little Making Waves with a spot of white emulsion (acrylic will work just as well) and use a stiff, short bristled brush to apply it on and around the rocks, boulders and walls of the waterfall. This process dries white to represent water full of spray and froth.



To help blend the waterfall into the surrounding terrain, paint diluted PVA carefully around the rocks using a small paintbrush,then sprinkle on Treemendus Earth Powder. Finely chopped Raw Grass fibres are then applied around the bases of the rocks and worked into place with a wooden skewer.



Taller tufts of Raw Grass are added around the rocks either side of the waterfall. To achieve this effect take a sheet of Raw Grass material and colour it using Sap Green acrylic paint. For this, I dilute the paint in a ratio of four parts water to one part paint and rub it into the fibres by hand.



To complement the windswept tree, a fallen tree has been placed across the gap which spans the waterfall. This tree is actually a piece of naturally weathered twig, enhanced with weathering pigments to match the windswept tree in appearance. A light covering of Raw Grass trimmings represents moss.



Suitably sized pieces of seamoss, a natural product, can be used as shrubs. Spray with hairspray and sparingly apply coloured scatters. I've used Treemendus Autumn Orange, Autumn Yellow and Late Summer fine scatters, permanently fixed with Scenefix glue.

www.heathcote-electronics.co.uk

Bring movement to your model raiway with our SERVO MOTORS and SERVO MOTOR CONTROLLER. Control your points and semaphore signals realistically. Open and close both swinging and sliding doors & gates, eg. engine shed doors, level crossing and factory siding gates. Animate models of cranes, swings, fairground rides and moving figures. Set in motion waggon tipplers, uncouplers and Beam Engines.

Single and Dual Servo Motor Controllers





Our Servo Motor Controllers enable a Sevo Motor to move between 2 adjustable positions at a choice of speeds when activated by an on off switch contact or another Servo's movement. It can also produce continuous backwards and forwards motion of the Servo motor. If the controller board is in a hard to reach position for adjusting the Servos movement we have a Extended Push Buttons box on a 2m length of cable.

www.heathcote-electronics.co.uk

Single Bouncing Semaphore Controller

This gives a realistic bounce to semaphore signals. Control is by an on off switch.

Push buttons on the board give simple adjustments to the raised and lowered position of the signal arm. The speed the arm rises. The speed the arm falls. The amount of bounce. A video showing a bouncing signal in action is on our website.

Uncoupler kit

This makes an inconspicuous uncoupler for OO gauge tension lock couplings operated remotely by a push button switch. Apart from electrical wire and 12 volts dc for power all parts are included in the kit. See a video of the uncoupler in action on our website.

Single Servo Motor Controller £8.40
Dual Servo MotorController £14.15
Single Bouncing Semaphore Controller £12.80
Uncounter hit £15.50

Uncoupler kit £15.50

Servo Motor £4.20 Extended push button £14.00 Postage £3.80 Bracket £1.00

300mm (1ft) linkage wire 90p

Postal, online, and telephone ordering

www.heathcote-electronics.co.uk

Phone 01538 756800

Eddington Yard





the first thing that came to mind when I saw 'Eddington Yard'. In other words; "How on Earth did all of that fit in there?"

Micro layouts are nothing new, but several elements separate 'Eddington Yard' from the crowd. Firstly, this isn't just a glorified diorama, it's a fully fledged shunting layout - and one with rich operating potential to boot. Secondly, it's remarkably good looking for a layout that comprises sectional track and ready-to-plant buildings. And thirdly, it was built in just five weeks!

The scenic section measures a tiny 48in by 13in. In fact, it's so compact that it sits atop a wardrobe when not in use.

It's safe to say that such compositional and artistic mastery doesn't happen overnight. Layout creator, Neil Mason, has already had two layouts featured in *Model Rail*, and is the founder of the Little Layout Company, where he builds layouts on commission.

This experience shows. 'Eddington Yard' is one realistic model. And that's very much Neil's style. His layouts are more akin to the harsh, weathered exterior of reality, as opposed to the idyllic settings many modellers aspire to achieve.

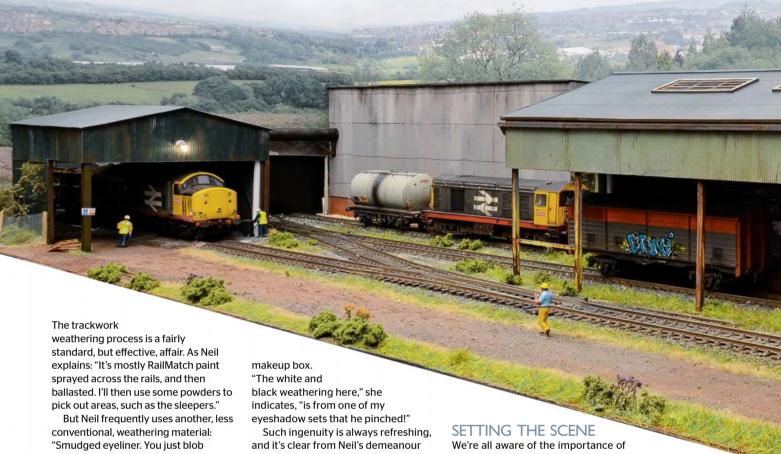
IS THAT... EYELINER?

A primary factor in producing 'Eddington Yard's' convincingly grim veneer is the use of a wide variety of weathering techniques.



Above: Exquisitely weathered Railfreight '20' and BR Blue '25'.

LE THE ATTENTION PAID TO BOTH BACKSCENE AND MODEL HAS ALLOWED 'EDDINGTON YARD'S' TIME PERIOD TO REMAIN RELATIVELY NON-SPECIFIC ""



a brush in it, and then dab it on. It creates a really oily look and has a slight silvery tinge to it as well."

Lacey, Neil's girlfriend, points to the corrugated shed on the left side of the layout and reveals that eveliner isn't the only product he raids from her

that it's given him a real sense of

achievement. Other homegrown modelling solutions of note include a fence made from matchsticks and cotton twine, and an 'N' gauge girder bridge - used to represent pipework between two buildings.

Left: Neil stands alongside 'Eddington Yard', revealing just how shallow its depth really is - a ship in a bottle indeed!

a good backscene, and Neil believes that this is particularly true of 'Eddington Yard': "The backscene, to me, is key to any layout, especially small layouts. It adds depth, making any layout look a lot bigger than it really is."

This is also a backscene first for Neil, standing at a height of 15in, instead of 9in, which is what he usually uses: "I was intrigued as to what it would look like at 15in and it adds so much height to the scene. I'll use 15in from now on."

The photographic backscene is from ID Backscenes and blends almost seamlessly into the model. It's a defining feature, and is integral to the realism on offer. Says Neil, "I think it's important to make sure it all blends in. And where it doesn't, hide it. You need to blend trees into a backscene especially, and try to match the colours. Fitting a backscene can be a pain, but it's vital to get corners and joins right."

The attention paid to both backscene and model has allowed 'Eddington Yard's' time period to remain relatively non-specific, "It can pretty much run most eras of diesel, O Above: The photographic backscene, from ID Backscenes, creates an illusion of greater depth. This is all the more effective due to Eddington Yard's' small size.

Right: Ample track allows the setup of some interesting shunting conundrums. However, it's not so dense that the sense of realism is compromised.



WHAT MAKES IT GREAT? SIMPLICITY

From the use of Peco Code 100 track, to various homegrown scenic techniques, Neil's building ethos is focused on simplicity: "Keep it as simple as you can and build around the track."

For smaller layouts, he also recommends a conservative approach to track laying: "A lot of people concentrate on how much trackwork they've got. I think you can create a good scene with a couple of locomotives and a couple of wagons."

And that's the beauty of 'Eddington Yard'; it's not jam-packed with track, but at the same time, it's full of operating potential.

This is largely down to the clever inclusion of a double slip: "When you've got a small layout like this with a double slip, you can load it up with wagons and locomotives, and then you can set yourself a task. And because you're working all the time, it keeps things really interesting."

However, installing the double slip wasn't easy, and it's proof that even seasoned modellers like Neil find certain tasks challenging. "I think learning to wire the double slip was probably the most awkward part. It lay in the bottom of a drawer for a long time, and I was determined to use it. It's the first time I've ever fitted one, and it worked really well - saving space and giving me a bit more flow into the fiddleyard and scenic section, too."



from blue all the way up to current stock. Neil points out how some buildings change very little over time and, without modern distractions, can create the illusion of a different time period. It's about keeping modern structures out of the backscene and keeping the structures that are in the layout relatively universal."

As far as he's concerned, this is a real positive for modellers with very little layout room or those who frequent the exhibition circuit: "You'll find you can run many different types of stock on this layout - it opens up your modelling stock box if you like. If you're exhibiting, you can change stock throughout the day to maintain interest."

HEAD GAMES

Although he uses the internet for both tips and inspiration, many of Neil's ideas are surprisingly spontaneous. "A lot of the time I'll shuffle things around on the board to get new inspiration and then I'll drive myself





90 Model Rail 214 October 2015

Left: The colouring of the trees between the two buildings is spot-on! Neil has cleverly used them to disguise the transition from model to backscene.

Below: The layout's gritty aesthetic is accentuated during nightfall, bathed in the glow of 3mm bulbs.



WHAT MAKES IT GREAT? FIGURES

Most of us spend a great deal of time refining techniques; baseboard construction, track laying, ballasting, grass application (the list goes on). But one aspect of layout building often takes a backseat: the selection and placement of figures.

'Eddington Yard' does figures well. So much so that it took a while before I noticed them. The wrong figures in the wrong places will stick out like sore thumbs, but on this layout, they blend in they just look as though they're meant to be there.

But what exactly does Neil do differently? The answer is surprisingly simple: "First of all, you've got to choose the right pack of figures to fit the theme of the layout. I think that some modellers will choose a pack of figures that don't really fit a layout, but include them anyway.

"The figures I've used here are civil engineers from Bachmann Scenecraft. I've chopped them around a bit; one guy was holding a shovel and a piece of piping, so I chopped them off, and now he looks like he's on his mobile phone. Another guy had a pneumatic drill - which looked out of place - so we removed it and now he's pushing a bin."

"I think it's about positioning them where they might be in real life. If you can master that you can create little cameos or scenes."

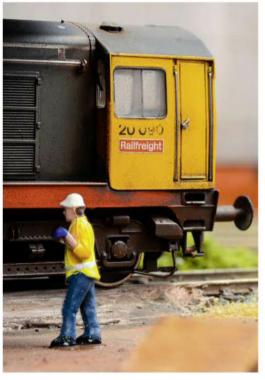
"It can be very contrived when you have a pack of people and they're all clumped together on a station platform - it doesn't look realistic. Likewise, lots of people don't necessarily wander around a yard. You might go to a yard and see no more than three people all day long."

It's a trick that we've covered before, but Lacey points out that Neil is a strong advocate of using photography to gauge the effectiveness of small scenes that he's modelled. "Before it's finished, he looks at it through the camera lens. He can focus on one particular bit then, instead of just stepping back and looking at the whole layout."

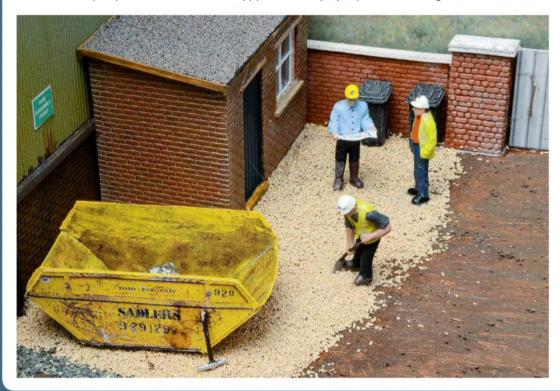
When using this method, Neil says he asks himself a variety of questions to ensure he's happy:

Right, below: Neil makes great use of his customised Bachmann Scenecraft Civil Engineers figures. From the foreman, presumably discussing building plans, to the former pneumatic drill figure that has been modified to push a wheelie bin, instead. Each figure has a story to tell.





"Does the ground cover look right? Are the figures positioned correctly? Does it blend with the back-scene properly? If not, I'll change or redo it."









Left: Neil added more weathering to the RTP corrugated sheds from RS Modelmaking. He also added an interior backscene to the larger of the two buildings.

Below: The two corrugated sheds look great, but the weathering on the stanchions is a particular highlight; it really does look like the paint has chipped off to reveal the rusted surface below.

crazy until it's done. It often evolves as I go along, too. There's nothing greater than your own imagination."

The concept of 'Eddington Yard' was the result of several factors. Firstly, Neil was eager to use the layout's two main buildings (from RS Modelmaking). Secondly, he wanted to produce a layout that was achievable due to the limited time frame. And thirdly, he wanted a layout that was small enough for easy transport to exhibitions.

IT'S A KIND OF MAGIC

'Eddington Yard' is exceedingly clever. Careful planning and Neil's feel for the gritty modern image aesthetic has shrouded the largely simplistic techniques used in its creation.

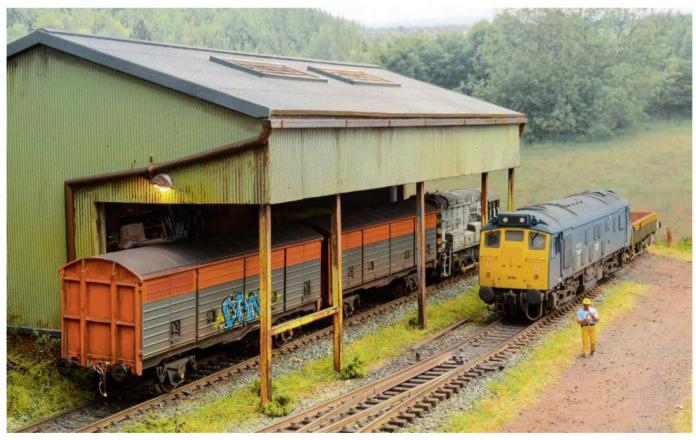
Break down the layout's construction and you're left with sectional track, largely RTP buildings, a readymade backscene, and several simple scratchbuilding projects.

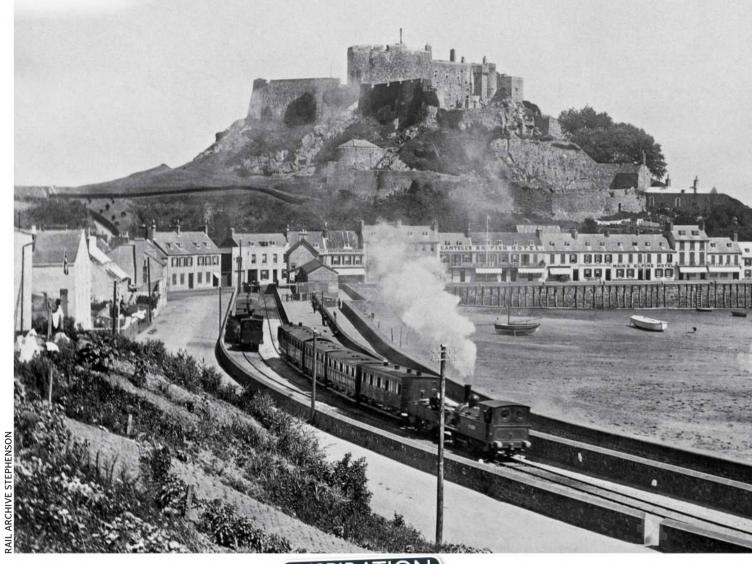
Neil's genius is his artistic eye and understanding of what makes an operational layout tick - techniques that are not easily obtained. In 'Eddington Yard' he has conjured a ruse; a very fine layout indeed, but one that looks far more complicated than it really is.

Who would have guessed that this layout - however small - was created in a mere five weeks? Not me... M

WHAT **NEXT?**

Neil Mason's Layouts featured in previous issues of *Model Rail*: 'Pilot Road' MR143 (2010) and 'Deeping Lane Depot' MR185 (2013).







INSPIRATION) DISCOVER... THE TASTE OF JERSEY



PAUL A. LUNN presents a selection of layout ideas inspired by the most overlooked 15 miles of railway in the British Isles.

hy is it that some railways stick in our collective imagination, whereas others get forgotten about? Think of island railways and either the Isle of Man or the Isle of Wight will spring to mind first. By contrast, Jersey, and its fascinating railway system, seems to have been overlooked by all of us. Perhaps it's not surprising, given that as far as models are concerned, there's pretty much nothing available, even in kit form.

But I can't believe that such a location is unworthy of our interest. I can only conclude, therefore, that the island has never had enough exposure. With this article I intend to address the issue, hopefully raising awareness of the joys of this pretty little island's railways - and their intriguing tales - with modellers and manufacturers alike.

It's worth giving a brief overview of the more complex periods of Jersey's railway history before we identify those locations with the greatest operational potential and, equally as important, visual appearance.

The Jersey Railway was the first to open on the island and has the more







complicated history. Its 4ft 81/2in gauge line opened between the capital St Helier and St Aubin in 1870. A year later, to the west, work started on a 3ft 6in gauge line from La Moye to Pont Marquet. Both ran into financial difficulties and were amalgamated; what emerged was a 3ft 6in gauge railway that ran from St Helier to Corbiere, on Jersey's south-western tip. Services on the 73/4 mile railway recommenced in 1884, but only lasted until 1937. The Germans reopened it in 1942 as a metre gauge railway and it was used until the end of the war.

WAR LINES

Meanwhile, the Jersey Eastern Railway opened in 1873. This 6¾ mile line from St Helier Snow Hill to Gorey Pier remained standard gauge throughout its life but that life was a short one, for it closed in June 1929. It too was reopened by the Germans during the war, but this time as a 60cm gauge railway that stopped short of Gorey village.

The occupying German forces built new lines, branching off existing O

PLAN 1: GOREY PIER PLUS

My first design is aimed more towards entry-level modellers, but it features substantial scenic modelling and is a very simple, if somewhat slightly fictitious take on the station at Gorey Pier and Harbour. It uses rigid sectional track and ready-to-run, non-accurate stock on a simple 'U' shape arrangement on a standard 6ft by 4ft board.

The east coast town of Gorey is very picturesque, particularly as it's framed by Mont Orgueil castle, and the railway terminated almost at its foot, between the town and the sea. I've added a short siding in place of a coal dock at the end of the station and a single long freight siding for additional operating interest. The latter facility could serve a goods shed or small industry of your choice. Either way, the siding passes through the building onto a short section of non-scenic track, where loads can be added

or removed.

All curves, except those paired with points, are Radius 1 and should prove no problem with the short wheelbased stock anticipated for the layout. Due to its small size, Peco Loco Lifts are for 'running round' and changing locomotives or stock.

I anticipate that this particular layout will have Mont Orqueil castle as a 2D flat backscene, behind the low-relief buildings, extreme right. Watch out for a more advanced layout in 'N' gauge in a future issue of *Model Rail* that will feature a 3D castle!

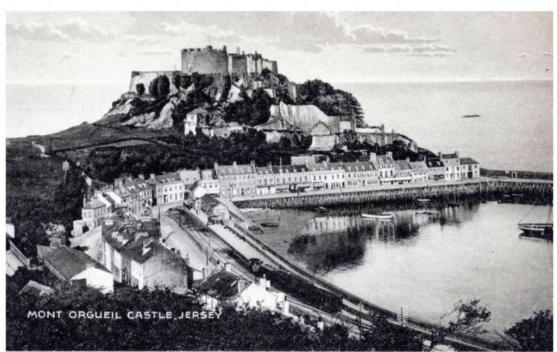
Jersey Railway 0-4-2T 'sister' Caesarea shunts at Gorey station. The track is lightly laid with tightly packed ballast. The station site has been redeveloped: part of it is now under a car park, whereas the approach tracks are buried under ornamental gardens. RAIL ARCHIVE STEPHENSON

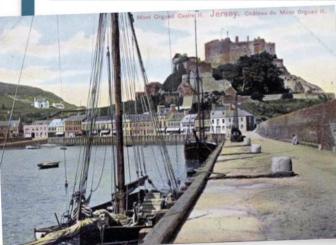






Above: Gorey station was flanked by low stone walls, which would make an interesting modelling challenge. The castle, which dates back to the 13th century, makes a dramatic backdrop to JER Kitson 0-4-2T Calvados. RAIL ARCHIVE STEPHENSON





Above: The postcard image tells you just about everything you need to know about the railway arrangement and its relationship to nearby structures. For those wanting extra operational interest, you can easily imagine an extra siding, as included on the plan, coming off the main line in the direction of what looks like a goods warehouse, bottom left. There are numerous coloured images of the castle available on the internet, and modellers should be able to enlarge them for use as a key part of the 2D backscene.

Left: You can just see the station buildings to the extreme right in this wonderful period view of the harbour. There's lots of detail here worth incorporating in the layout; boats, the row of buildings in front of the castle, quayside crane, capstans with ropes and the distant slipway.



PROMEN

Dzine



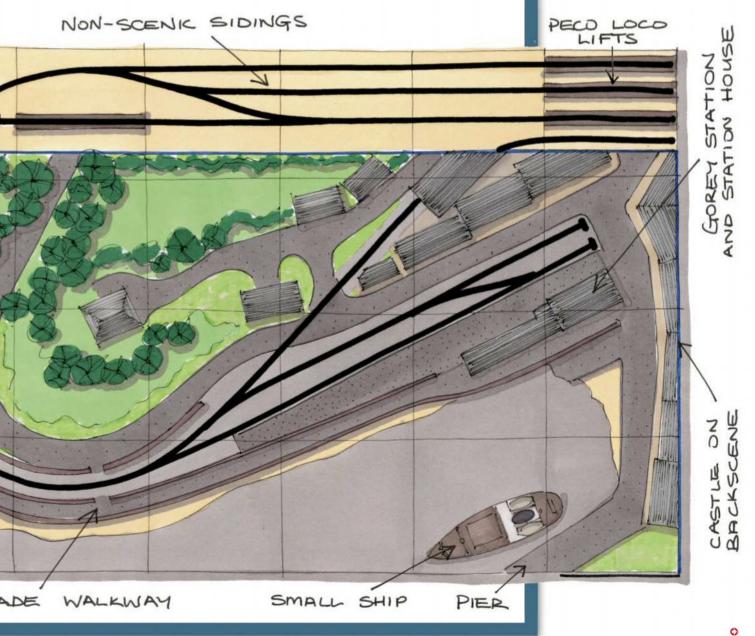
The rebuilt 3ft 6in gauge Jersey Railway started with two 1884-built Manning Wardle 2-4-OTs, Nos. 1 St Heliers and 2 St Aubyns. No. 1 is photographed on the sea-front section between St Helier and St Aubyn - part of this stretch was built on a wooden viaduct before the sea front was extended onto land reclaimed from the sea. RAIL ARCHIVE STEPHENSON

formations. A new link was built across St Helier harbour to link the old lines together.

There are two key publications that offer an in-depth account of these fascinating histories: NRP Bonsor's *The Jersey Railway* and *The Jersey Eastern Railway* by P Paye. Both are published by Oakwood and are essential reading.

I am at a loss as to why such an attractive, operationally interesting location should be overlooked; scenic routes, industrial locations, diverse stock and different gauges - it's all there for the taking!

My knowledge of commercially available products is, I'm sorry to say, scant. I'm sure there are some glaring omissions and errors, though hopefully not too many! If you know of something that would fill a gap, please contact me via the *Model Rail* office. I hope you'll join me in bolstering demand for some more Jersey-themed products.



PLAN 2: ST HELIER DOUBLE

In its heyday, St Helier had two termini. The Jersey Railway terminus was by the docks. The JER's Snow Hill was in a deep cutting on the far side of Fort Regent.

This design replicates that arrangement but rotates the former by 90 degrees as a space-saving device, creating what appears to be a straightforward oblong shape baseboard. However, both stations serve separate out-and-back layouts, each with its own reverse curve and non-scenic sidings.

I anticipate that track will be a combination of rigid geometry units, such as large radius Setrack curves for the non-scenic section, flexible track everywhere else and the largest radius points wherever possible. I anticipate this 10ft by 7ft layout to have access all the way round, with holes in the centre. Track may be on one level but there's considerable scenic development to be undertaken, especially in terms of the rock faces and Fort Regent.

I have purposely omitted the 3ft 6in gauge station's trainshed so that you can clearly see the track, especially the traverser, described in detail in Bonsor's book, adjacent to the crossover. I understand that not everyone will want to have the fortress wall as shown, and it can be removed and substituted with a traditional backscene. If you do decide to incorporate it then make sure the layout is viewed at

ST. HELIER SNOW HILL STATION

ACCESS HOLE

ACCESS HOLE

ACCESS HOLE

ST. HELIER STATION

near-eye-level, so that you cannot see into the access wells.

Did you spot the mistake? If you're having sand exposed on the beach, you need a smaller ship than the ex-GWR ship *St Helier*. If you want a vessel of this size, model the water at high tide!

Below: This is St Aubin station, former terminus of the Jersey Railway until the extension to Corbiere opened. This trainshed is similar to the Jersey Railway's original structure, but lasted until 1922, when it was replaced with canopies on the platform. Staff pose with Manning Wardle 2-4-0T No. 1 St Heliers. JOHN ALSOP COLLECTION



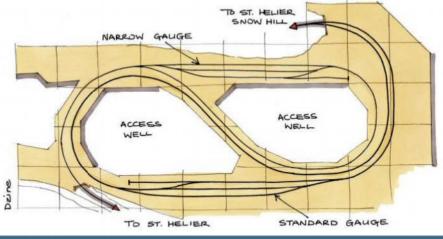
Across town, and almost on the sea front, was St Helier Weighbridge. This opened in 1870 with a single-span trainshed that reminds me of St Pancras; this was replaced in 1893, nine years after conversion to 3ft 6in gauge, with this more austere looking structure. This photograph shows its single island platform and sidings.

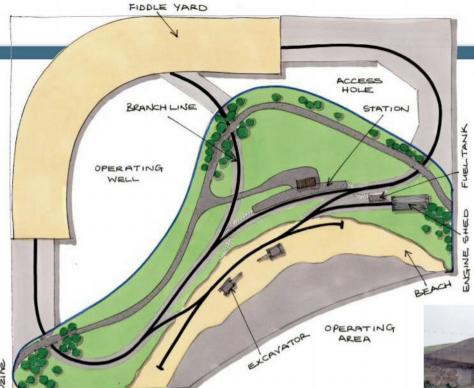
CHRIS TOTTY COLLECTION



Right: St Helier Snow Hill station, Jersey Eastern Railway, in June 1922. The station, which comprised a single platform, run-round loop and an awning described as a 'carriage shed', was set in a deep rock cutting. This became a bus station after closure in 1929 and included a turntable for buses. CHRIS TOTTY COLLECTION









Above: Sand has covered the sleepers of the Jersey Railway on the stretch that runs along the sea front between St Helier and St Aubin. Andrew Barclay 2-4-OT No. 5 *La Moye* was delivered in 1907, but as it was heavier than its Manning Wardle and Bagnall sisters, it was sold in 1928. It still survives in South Africa. RAIL ARCHIVE STEPHENSON

4-2

PLAN 3: COASTAL CONCEPT

I've been deliberately vague with this plan and I leave its interpretation up to you (which is why I've purposely avoided gridding this plan on the basis that size will vary according to the scale/gauge used).

It's an oval format, though it could be end-to-end, somewhere along the old JER route, perhaps near Gorey village. Sand was extracted here for the German coastal defences by mechanical excavators and placed into side-tipping wagons.

If you find the idea of a Second World War German layout distasteful, you could always tweak history. For example, the sand could have been a useful traffic for the JER, or perhaps Churchill's view that the islands should have been defended could have held sway and the layout could depict a British military line instead.

One important thing: ensure you've included enough to maintain interest. I've done this by adding a station platform for troops. The mechanical excavators could have a motorised swing and lift facility. For good measure, you could include a nondescript branch line serving whatever industry one might fancy, perhaps alternates for different operating sessions.

If you do choose to model an historically accurate wartime Jersey railway, you have choice of inspiration, including an ordnance depot at Millbrook, electricity generating station at Tesson Mill, a line extension at Corbiere and a new six-mile link to the granite quarry at Ronez.

This was a 60cm gauge railway making use, I think, of the 1932-42 Deutz OM series four-wheel diesels, a locomotive that is relatively well supported commercially.

Right: The Jersey Eastern Railway skirted the coast at Pontac, with a small retaining wall keeping the railway above the beach. 1896-built Kitson 0-4-2T Mont Orgueil hauls a rake of four-wheeled coaches towards St Helier; Pontac station is just around the corner. RAIL ARCHIVE STEPHENSON



Above: Concrete defences were built by the Germans at numerous locations around the island. Here is a small gun emplacement close to the station, now a café, at Millbrook on the Jersey Railway.

Left: St Luke's was the first station out of St Helier on the Jersey Eastern Railway. One of the JER's Kitson O-4-2Ts is in charge of a service to Gorey in this undated view. Your layout could include a small station such as this. SCIENCE & SOCIETY PICTURE LIBRARY



This is the second of the two concept designs and is offered as inspiration, where readers might take a section of the harbour railway or contrive a composite design that has most or all of the main features. I have approached this scheme differently from my normal method and have used two pre-1923 postcards to show the general arrangement of the quays, enlarging them, tracing off for a basic illustration and then adding both 60cm and metre gauge lines.

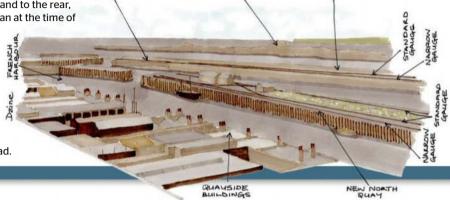
The dockside buildings in the foreground ran the full length of the quayside, from the station end to the English Harbour, as seen in the previous illustration. Beyond is the New North Quay and to the rear, Albert Pier. I have added an indication of the track plan at the time of

the war, though you can't see the 60cm line in front of the dockside buildings, which leads to the trestle bridge and beyond, to Gorey. In the accompanying 2D track plan I have shown the missing town end arrangement of track for both gauges.

Again, if you're not comfortable with the idea of a German Second World War layout, why not re-imagine it as a British military project? Perhaps St Helier could have played a key role in D-Day instead.



41599, JERSEY, THE HARBOUR, ST. HELIER'S



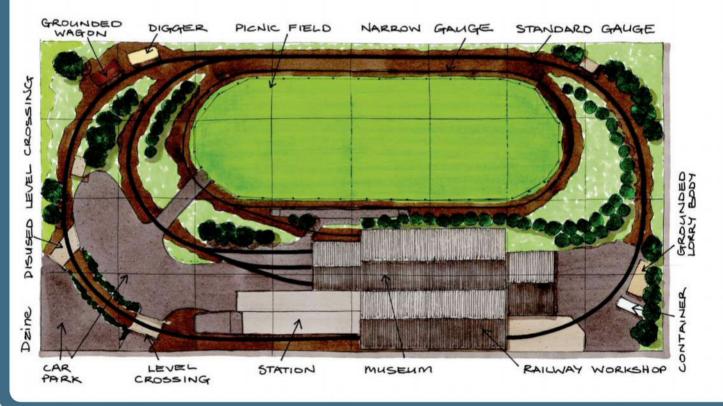
PLAN 5: PALLOT MUSEUM

Given that Jersey's railways disappeared before the Second World War, you would think that the island is now devoid of trains. But thanks to the efforts of 'Don' Pallot, this Channel Island still has a train service. Sort of.

The Pallot Steam Motor & General Museum was built on a greenfield site to house standard and narrow gauge rolling stock, motor vehicles, farm equipment and a collection of organs and keyboards. A railway has been built on site, which comprises circuits of track, all the usual visitor facilities, including a large

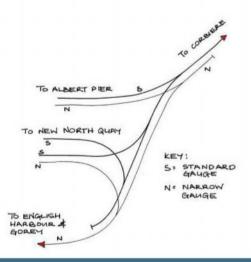
picnic site and workshop, and hosts a small yet fascinating collection of rolling stock.

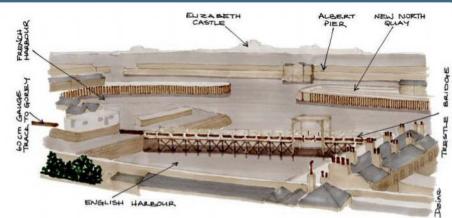
The layout drawn here is a slight variation on the original and has additional sidings into the museum for improved operational interest. In all other respects it's a reasonably faithful copy of the Pallot Museum. Notice how the track plan resembles the sort you'd find in an entry-level plan book and will be ideally suited to sectional rigid track in both scales. Please note the curved track leading to the museum is Radius 1, except for the points.



100

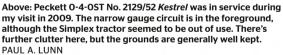
Right: German forces built this trestle bridge, with lifting section, over the entrance to the English Harbour. It carried a new link line from the old Jersey Eastern trackbed to the harbour complex.











Below: It's said that a number of original items from Jersey's railways were used in the construction of the Pallot Museum station - the roof stanchions certainly look the part. PAUL A. LUNN





All preserved railways seem to have their 'backyard' where bits of usable clutter is kept, pending a suitable purpose, and there's certainly no exception here! Great to model and certainly worth including on the layout.

PAUL A. LUNN



The Pallot Museum's running line is like a roundy-roundy trainset! Bagnall 0-4-OST *J.T. Daly* hauls the museum's two ex-North London Railway coaches around the tight curves on yet another trip around the loop. The coaches have been fitted to eight-wheel underframes, made from withdrawn rolling stock from Barry scrapyard. *J.T. Daly* spent 11 years on the island of Alderney before moving to Jersey. JOHN CHALCRAFT

ow we come to the hard part: finding suitable model trains for these layout plans, starting with 'St. Helier Double'. The Jersey Railway was built as standard gauge and had three Sharp Stewart 2-4-OTs - Haro Haro, Duke of Normandy and North Western - and a Dübs 2-4-OT General Don. These locomotives returned to the mainland after conversion. Most notable was Duke of Normandy, which became Vulcan Foundry's yard shunter, whereas General Don ran on the Weston Clevedon & Portishead Light Railway until 1940.

The main 3ft 6in gauge fleet consisted of two 1884-built Manning Wardle 2-4-OTs Nos. 1 *St. Heliers* and No. 2 *St. Aubyns*, two Bagnall 2-4-OTs Nos. 3 *Corbiere* (1893) and No. 4 *St. Brelades* (1896) and Andrew Barclay 2-4-OT No. 5 *La Moye*.

The first Sentinel steam railcar ran in Jersey. *Pioneer No. 1* of 1923 was joined by *Pioneer No. 2*, *La Moye* and *Normandy*. The latter was originally built for the Jersey Eastern Railway, alongside classmate *Brittany*, but was sold to the JR and converted to narrow gauge after closure.

The Jersey Eastern Railway, meanwhile, had four almost identical Kitson O-4-2Ts. *Calvados* and *Caesarea* were delivered in 1872, *Mont Orgueil* in 1886 and *Carteret* in 1898.

That's all very interesting but how does it work in miniature? Without any kits available, I'd suggest that for a standard gauge model to go for a Lytchett Manor Models ex-Cambrian 2-4-OT with a Mainly Trains chassis, Roxey Moulding's 2-4-OT *Tenterden* or even Golden Arrow Products Isle of Wight Beyer Peacock 2-4-OT *Ryde*. Whichever you choose, some modification to reflect island appearance would be recommended and this, at least, should be a relevant livery.

For post-1884 Jersey Railway, I would suggest Isle of Man 'OOn3' stock from GEM and Roxey mouldings. The benefit is that you can also use Bemo's ready-to-run 'HOm' O-4-2T too.



JERSEY'S TRAINS

The Jersev Railway started with scratchbuilt bodies on four-wheel, Metropolitan Carriage & Wagon Co. chassis, of which four were sold to the JER. The narrow gauge JR had a fleet of bogie coaches with short wheelbase bogies and some had North American-style verandas. The JFR had four-wheel, ex-LNWR stock with newer vehicles from the Metropolitan Carriage and Wagon Co. From a modelling point of view, London Road Models offers suitable LNWR carriages and the Cumbrian Railway Association can provide 'OO' gauge Metropolitan Carriage and Wagon Company-type coach axleboxes.

I suspect goods traffic never reached anticipated levels on either railway, though it was perhaps marginally better on the Jersey Railway, with commodities including granite, sand and gravel. If you can accept some inaccuracy, it should be relatively easy to choose an appropriate ready-to-run model.

For 'Coastal Concept', there are at least three potential scales for representing Second World War

Above: 1924-built Sentinel steam railcar No. 2 The Pioneer at St Aubin. The JR ordered three cars from Sentinel - Pioneer No. 1, Pioneer No. 2 and No. 3 La Moye (often known as 'Wembley' after its appearance at the Wembley Exhibition It bought a fourth, No. 4 Normandy, from the Jersey Eastern Railway A.W. CROUGHTON/ RAIL ARCHIVE STEPHENSON

60cm gauge; Busch Hof, 1:87 scale on 6.5mm gauge track, set 12117, due out soon, with rusty loco and two 'V' side-tipping wagons, available from Gaugemaster. There's U-Models' 1:35 Deutz locomotive and side-tipping wagon kits, whereas KBscale offers a Deutz OMZ117 locomotive and side-tippers in 'On14'.

As 'Gorey Pier Plus' is an entry-level plan, I'd go for a GWR '14XX' and Hornby's 'Terrier' or, my favourite, Hornby Electrotren's industrial 0-6-0T, offered with UK couplings by Golden Valley Hobbies. Hornby's four-wheel coach is ideal for instant use and a small selection of wagons to meet the needs of goods services should be easy to source.

Pallot Museum has four standard gauge steam locomotives and North British 0-4-0DH 27734/1958, which is stored out of use. Star of the collection is La Meuse 0-6-0T No. 3442/1931, which was purchased from Belgium in 1987 and cosmetically restored in Jersey. This handsome O-6-OT is displayed with Peckett 'OY1' 0-4-0ST No. 2085/1948, Peckett 'R4' O-4-OST No. 2129 Kestrel and Bagnall O-4-OST No. 2450/1931 J.T. Daly, which worked on the island of Alderney between 1982 and 1993. For the La Meuse, I'd use something from the Electrotren (see Gorey Plus) or Jouef ranges and Hornby's 'Smokey Joe' will have to do for the 0-4-0STs. I'd bring the NBL diesel as Judith Edge has a suitable kit in its range.

Train rides at the Pallot Museum are provided in two ex-North London Railway coaches with eight-wheel underframes. There are three historic JER vehicle bodies there too: an unrestored Five Compartment Third, the body of steam railcar *Brittany* and a fully restored Brake Third; also on display is the body of a Jersey Railway Brake Third.



Above: A fine study of Jersey Eastern Railway 0-4-2T Carteret. The JER had four of these handsome Kitsons. Of the quartet, Mont Orgueil is easily indentified thanks to its outside trailing bearings. The arrival of Carteret led to the withdrawal of Sharp Stewart 2-4-0T North Western. RAIL PHOTOPRINTS



YOUR WONDERFULLY SCENIC ESCORTED TOUR WENGEN & THE JUNGFRAU EXPRESS 8 DAYS FROM £1,395

Spectacular Alpine landscapes await on this unforgettable holiday in Switzerland's famous Bernese Oberland. Travel to the summit of the Schilthorn, discover peaceful mountain resorts and experience the tremendous Trümmelbach waterfalls, all on some of the best heritage railways in Europe.



Switzerland.

- ITINERARY -

Days 1-2. London to Wengen. We meet in St Pancras International at our dedicated departure office before boarding the Eurostar to Paris. Here we transfer to the high-speed TGV service for Strasbourg. On the morning of Day 2 you have some free time to explore Strasbourg. You may like to visit the city's Old Town or Petite France district. This afternoon we head back to the railway station for our train to Switzerland. We arrive into peaceful Wengen this evening, a trafficfree mountain resort with breathtaking views of the Lauterbrunnen Valley.

Days 3-4. The Wengen-Männlichen aerial cableway. Our excursion today takes us on this innovative cableway, originally built in 1954. Within five minutes, the difference in altitude reaches 2,970m and we are in Männlichen. After some time to look around, we continue our journey to Grindelwald on Europe's longest gondola cableway. Explore this town, located at the foot of the north face of the Eiger before we complete our round trip by cable car and return to Wengen for dinner. Day 4 is spent at leisure.

Days 5-6. The Jungfrau Express. Today is unquestionably the highlight of our tour as we travel on the Jungfrau Railway to the Jungfraujoch. As we climb from Kleine Scheidegg the distinctive string of red and yellow carriages disappear into the tunnel through the Eiger. During the journey the train pauses at two separate observation stops before arriving at the 'Top of Europe', 3454m above sea level. Here there is plenty of time to explore the Ice Palace and to enjoy lunch before we

descend back to Wengen. Day 6 is free to spend at leisure, exploring the Bernese Oberland using your included GRJ Swiss Travel Card for 50% fares.

Day 7. The Schilthorn. Today we take an excursion to the summit of the Schilthorn. From Mürren we join the cable car for our ascent 2970m above sea level. The views are truly unparalleled and on a clear day we are able to admire a magnificent vista over the entire Alpine region. After our descent, there is the opportunity to stop at Stechlberg to visit the mighty Trummelbach Falls. Nestled deep into the canyon, the falls have carved a path for themselves through the hillside making this a waterfall with a difference. The best way to explore the different chutes is via the subterranean path leading through the rock.

Day 8. The journey home. We depart Wengen by rail travelling via Interlaken, Basel (on the high-speed service) and Paris where we connect with the Eurostar service back to London.



WHAT'S INCLUDED ON YOUR TOUR

- Fully escorted by a UK Tour Manager from start to finish
- Standard Class rail travel as described in the itinerary
- 7 nights' hotel accommodation with breakfast each day
- 6 dinners
- Wengen-Männlichen Aerial Cableway to Männlichen and Grindelwald
- Excursion to the summit of the Schilthorn
- Journey on the Jungfrau Express
- Visit to the Trümmelbach Falls
- Stay in idyllic traffic-free Wengen
- GRI Swiss Travel Card
- All transfers

Departures	Price	Departures	Price
28 May 16	£1,395	27 Aug 16	£1,475
4 Jun 16	£1,445	3, 10 Sep 16	£1,495
11, 18, 25 Jun 16	£1,495	24 Sep 16	£1,445
9 Jul 16	£1,475		

BOOK NOW or request a free brochure 01904 734 308. Our UK tour advisors are here 7 days a week www.GreatRail.com/WGJ

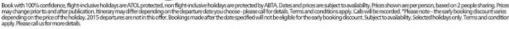
















3MM SOCIETY'S HALF CENTURY SHOW

There was a celebratory theme to its AGM back in the spring but the events don't stop there. Worsley Works, one of the premier 3mm suppliers, has organised a special 50th anniversary show for October 17, featuring 19 quality layouts.

What's attending?

Addison Park by Phillip Hutchings
Aldgate by David Wheelton & Jim Barry
Ashbrook by John Thomas
Ballyconnell Road by Irish Group
Bardsea by Ian Kirkwood
Bigbury by Paul Hopkins
Billton Goods by Tony Briddon
Finnigans Crossing by Mark Fisher
Fulls Top by 3mm Society West
Midland Group
Hemlock by Richard Preece

Historical Tri-ang Layout by Eric Large

Melrose Town by Alex Larson

Oxenhope by Victor Hall

Rosedale by James Rutter

Sabins End by Kevin West

Teignford by Steve Fackrell

Wadebridge by John Bateman

Wantage by Andrew Shillito

Watlington (Oxon)
by David Crowden

3MM SCALE MODEL RAILWAY EXHIBITION

When is it?

Saturday October 17 2015, 1000-1700

Where is it?

Gainsborough House Hotel, Bewdley Hill, Kidderminster, Worcestershire DY11 6BS

Tel: 01562 820041

How can I get there?

■ By train: Kidderminster railway station is a two-mile walk away. It is served by both London Midland and Chiltern Railways. For further information, please contact National Rail Enquiries: Tel: 08457 484950

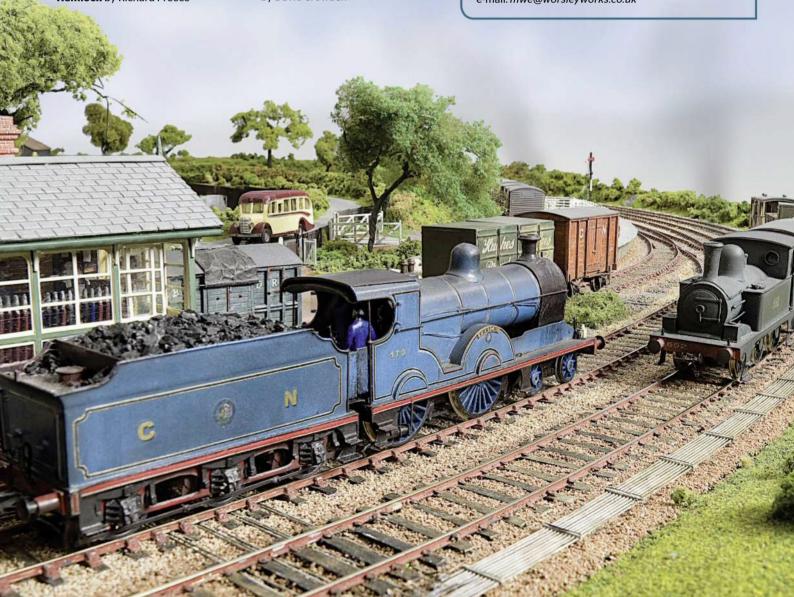
Web: www.nationalrail.co.uk

■ By car: The Gainsborough House Hotel is on the A456 heading from Kidderminster towards Bewdley. Easily accessible from Junction 3 of M5 or Jct 6 via A449. Or from the west, via the A49 via Woofferton.

What does it cost?

The bargain price of just £4!

Where can I find out more? Write to Allen Doherty, 19 Douglas Road, Worsley M28 2SR or e-mail: mwe@worsleyworks.co.uk



Right: Steve Fackrell's 'Hennock' was inspired by Staverton on the South Devon Railway. Steve's new layout 'Teignford', a GWR branch line terminus, will star at the show on October 17. CHRIS NEVARD





Guest layout: John Bateman's new-look 'Wadebridge'

Words: John Walker

John wanted an LBSCR or LSWR station that could be modelled by one person to scale length. Most stations were too long so he settled on Wadebridge. The trackwork was to 12mm gauge and the 24ft long scenic section covered the level crossing in Molesworth Street to the access overbridge at the far end of Guineaport.

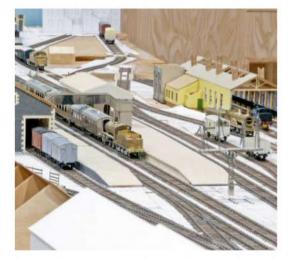
The completed baseboards were taken to a meeting to celebrate the 25th Anniversary of the 3mm Society in Salisbury in 1990. A start had been made on the buildings and trains were running.

However, the finely detailed track and scale length turnouts did not look right in the narrower-than-scale gauge of 12mm, so John took the plunge in 2012 and rebuilt the layout in 14.2mm finescale. Some adjustment was required to match the Templot-designed track plan to the embankments which were part of the original baseboards.

We started to look at other ways in which the computer could be put to good use in what had become regular one day meetings. I already had some experience with etching so we started drawing windows and brickwork for the buildings, brackets for buffer stops and platform canopies, ground signals, tiebars and so the list went on. More recently, we have used 3D printing for more complex shapes which are not easily accomplished with etch.

Most of the track is now complete with turnouts operated from the original control panel. Ballasting is in progress using sieved stone from Meldon quarry. Turnouts are operated by Fulgurex motors under the baseboard using a mechanism devised by John.

Buildings are at various stages of completion, both inside and outside the railway boundary. There are



several rows of terraced houses to be built as well as part of the town centre. Originally John used both plywood and plastic sheet for these, but more recently that has been extended to nickel silver etches and 3D printing as mentioned above.

The layout is set in the 1930s and many 3mm:1ft scale kits have been built over the years. These include Beattie 'Well Tanks' and 'O2s' from Jidenco, 3mm Society GWR '45XX' and a Dave Finney-built 'T9' 4-4-0. John and I have collaborated with David Andrews to produce Maunsell 'U' and 'N' 2-6-0s.

We hope that 'Wadebridge' will demonstrate the viability of modelling a large layout in 3mm scale 14.2mm gauge.



MODEL RAIL EXCLUSIVES

Order online at www.modelrailoffers.co.uk or telephone 01209 613984

NEW! BACHMANN 32-775Y CLASS 37 37068 GRAINFLOW



Model Rail is pleased to unveil Class 37 37068 Grainflow in Railfreight Distribution 'triple grey'. 37068 received its new name at a ceremony at Elv on September 23 1987 to mark a five-vear contract between wagon leasing company CAIB and Railfreight to provide grain wagons.

Our model depicts 37068 in its early 1990s guise and perfectly complements Bachmann's new Polybulk grain hoppers.

125.95 (MR subscribers £112.50) inc. P&P



BACHMANN 31-145Z 'D11' 4-4-0 No. 5511 MARNE

Help commemorate 100 years since the First World War with this exclusive 'D11' 4-4-0, named after the Battle of Marne. This is the only Bachmann 'D11' to be produced in LNER apple green for the foreseeable future and it's limited to just 500 pieces. Marne is selling fast - order yours NOW to avoid disappointment.

£146.95 (MR subscribers £132.26) inc. P&P



HELJAN 89431 RED STAR EXPRESS PARCELS CLASS 128 DPU 55993

Our first exclusive Heljan 'OO' gauge model features the acclaimed Class 128 Diesel Parcels Unit in late-1980s 'Red Star' Express Parcels two-tone blue and red, complete with unofficial embellishments applied by Tyseley depot. Close

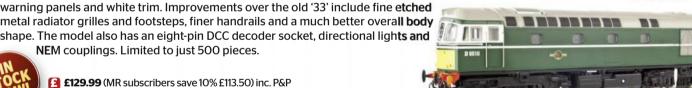
attention to detail includes a revised bodyshell. GWR coat of arms and GW-style lettering on each side, Tyseley depot set numbers and more. Limited to just 300 pieces, this very popular railcar is selling fast so order yours today without delay.



HELJAN 34121 BR GREEN BRCW TYPE 3 DIESEL (CLASS 33/0) D6510

Based on Heljan's all-new Class 33/0 tooling, this exclusive model features BR green D6510 in mid-1960s condition with small yellow

warning panels and white trim. Improvements over the old '33' include fine etched metal radiator grilles and footsteps, finer handrails and a much better overall body shape. The model also has an eight-pin DCC decoder socket, directional lights and



BACHMANN 32-725W/WDS EURO CARGO RAIL CLASS 66 DIESEL





Produced with the full co-operation of DB Schenker and Euro Cargo Rail, this superb Bachmann Class 66 is available 'DCC Ready' or with a factory-fitted DCC sound decoder. Our model features modified front skirts with snowploughs and a wealth of extra printed detail as per the prototype, which is used in Britain and France.

BACHMANN 31-650R PROVINCIAL SERVICES CLASS 47/4 DIESEL 47475





To complement our limited edition Bachmann Trans-Pennine Mk 2a coaches (above right), we've commissioned a model of the unique Provincial Services Class 47/4, which was a regular performer on Liverpool-Newcastle and associated routes in the late 1980s and early 1990s. The model has a 21-pin DCC socket, directional headlights and switchable cab lights, plus all-wheel drive and pick-up. Limited to 500 pieces.

£115.95 (MR subscribers £104.35) inc. P&P

MINISTER'S (SIDN) * * . (: : - : 1 ()) > 1 , 1 , 1 , 1 ? Y

Sep 25-26

PINCHBECK, SPALDING. Spalding MRC Open Weekend. Pinchbeck Village Hall, Knight Street, Pinchbeck PE11 3RB. Time: 1000-1600. Web: www.spalding modelrailwayclub.org.uk

Sep 26

EARLEY, BERKS. Lodden Vale MRC MRE. St Peters Church Hall, Church Road, Earley RG6 1EY. Time: 1000-1630. Admission: Adult £3, Child £2, Family £7. Tel: 0118 988 2035.

ENFIELD, MIDDLESEX. Enfield Whitewebbs Railway Modellers. Whitewebbs Museum of Transport, Whitewebbs Road, Enfield EN2 9HW. **Time:** 1030-1700. **Admission:** Adult £4, Concession/Child £3, Family £10. **Tel:** 0208 5081938.

IPSWICH, SUFFOLK. Ipswich Railway Modellers Association Open Event. 40a Norfolk Road, Ipswich. Time: 1000-1300. Web: www.irma.org.uk

PLYMOUTH. Plymouth G Scale Group MRS. Plymstock Community Centre, Broadway Car Park, Plymouth. **Time:** 1030-1600. **Admission:** Adult £2.50, Senior £2, Child £1. **Tel:** 01752 361687.

SKELTON, CLEVELAND. Cleveland MRC MRE. Unit 2, The B-Hive, Skelton Industrial Estate, Skelton TS12 2LQ. Time: 1000-1600. Admission: Adult £1, Child 50p. Tel: 07864 880242. Web: www.cmrc.club

TIMPERLEY, GTR MANCHESTER. The Tri-ang Society Vintage Trains Event. Timperley Village Hall, 268 Stockport Road, Timperley WA15 7UT. Time: 1030-1630. Admission: Adult £3.50, Child £1.50, Family £5.

Sep 26-27

HALIFAX, W. YORKS. Halifax MRC MRE. North Bridge Leisure Centre, North Bridge, Halifax HX3 6TE. Time: 1000-1700, Sun 1000-1630. Admission: Adult £6, Child £3. Tel: 01422 371489.

Web: www.halifaxmrc.co.uk

ELSECAR. Elsecar Garden Rly Show. Elsecar Heritage Centre, Wath Road, Elsecar S74 8HJ. Time: Sat 1000-1630, Sun 1000-1600. Admission: Adult £4. Web: www.yorkshire.16mm.org.uk

BOSTON, LINCS. Boston MRS MRE. Stickney Village Hall, Stickney, Boston PE22 8BA. Time: 1000-1700, Sun 1000-1600. Admission: Adult £3, Concession £2, Child £1, Family £7. Tel: 07958 137122. E-mail: djcurrie@live.com

LYDNEY, GLOUCS. Forest of Dean MRC. The Dean Academy, Lydney. Time: Sat 1100-1700, Sun 1000-1600. Admission: Adult £5, Concession £4.50, Child £2.50, Family £12. Tel: 01594 837473.

WORTHING, SUSSEX. Worthing MRC MRE. Durrington High School, The Boulevard, Worthing BN13 1LA. Time: Sat 1000-1700, Sun 1000-1600. Admission: Adult £5. Tel: 07960 633908. Web: www.worthingmrc.co.uk

Sep 27

BANBURY, OXON. 'Banrail 2015'. Banbury Academy, Ruskin Road, Banbury

OX16 9HY. **Time:** 1000-1700. **Web:** *www.bdmrc.co.uk*

ORPINGTON, KENT. G Scale Society (Kent Local Area Group). Pratts Bottom Village Hall, Norsted Lane, Rushmore Hill, Pratts Bottom, Orpington BR6 7PQ. Time: 1100-1600. Admission: Adult £2.50, Child £1. Tel: 01689 871604. Web: www.gscalekent.co.uk

Oct 2-4

TAUNTON, SOMERSET. Taunton MRG MRE. West Somerset Railway, Bishop's Lydeard Station. **Time:** 1030-1630. **Tel:** 01984 639509.

Web: www.bathgreenpark.com

Oct3

BRADFORD. Bradford MRC Autumn Show. St Winefride's Church Hall, St Paul's Avenue, Wibsey, Bradford BD6 1ST. **Time:** 1000-1630. **Admission:** Adult/ Concession £3, Child £1. **Tel:** 01274 698861. **Web:** www.bradfordmrc.org.uk

AYLSHAM, NORFOLK. Broadland MRC MRE. The Jubilee Centre, Norwich Road, Aylsham NR11 6JG. Time: 1015-1630. Admission: Adult £4, Child/Concession £3. Tel: 01493 700226. E-mail: tim@ourden.plus.com

CHIPPENHAM, WILTS. Bentley MRG. Sheldon School Sports Hall, Hardenhuish Lane, Chippenham SN14 6HJ.

Time: Sat 1000-1700. Admission: Adult £4.50, Child £3. Tel: 01249 657283.

Web: www.chippenhammrs.org.uk

DAVENTRY. Daventry MRC MRE. Parker Academy, Ashby Road, Daventry NN11 OQF. **Time:** 1000-1700. **Admission:** Adult £5, Senior £4, Child £2.50, Family £10. **Tel:** 01327 438279. **Web:** www.daventrymrc.org

PLYMPTON. Plym Valley Railway Association MRS. Yealmpton Community Centre, Stray Park PL8 2HF. **Time:** 1000-1630. **Admission:** Adult £2.50, Senior £2, Child £1, Family £6. **Tel:** 01752 880668. **Web:** www.plymrail.co.uk

SUDBURY, SUFFOLK. Sudbury MRC MRE. St Peters Market Hill, Sudbury CO10 2EA. Time: 1000-1630.
Admission: Adult £4, Concession £3, Child £2. Tel: 01787 461224.
Web: www.sudburymrc.org.uk

Oct 3-4

DORKING, SURREY. Dorking & District MRC MRE. Oddfellows Hall, High Street, Dorking RH4 1QT. **Time:** Sat 1000-1700, Sun 1000-1600. **Tel:** 07860 192304. **Web:** www.dorkingmodelrailwayclub. com

CROYDON, SURREY. Croydon MRS. Warlingham School, Tithepit Shaw Lane, Warlingham CR6 9YB. Time: Sat 1000-1700, Sun 1000-1600. Admission: Adult £5, Child £2. Tel: 0208 657 2292. Web: www.croydonmrs.org.uk

WIGAN. Wigan Finescale Railway Modellers MRE. Robin Park Sports & Tennis Centre, Loire Drive, Wigan WN5 OUH. Time: Sat 1000-1730, Sun 1000-1630. Admission: Adult £10. Tel: 01744 894441. Web: www.wiganfrm.org.uk

TOYFAIRS & SWAPMEETS

To advertise your toyfair or swapmeet, contact our Advertising Department on 01733 366384.

Oct3

CHESTER. Northgate Arena, Victoria Road, Chester CH2 2AU. **Time:** 1000-1500. **Admission:** Adult £2.50, Concession £2.50, Family £5..

Oct 3/4

SWANSEA. National Waterfront Museum, Swansea SA1 3RD. **Web:** www.museumwales.ac.uk

Oct 1

NEEDHAM MARKET, SUFFOLK. Community Centre, School Street, Needham Market IP6 8BB. Time: 1030-1500. Admission: Adult £1.50. Tel: 01449 672698. Web: stowrailclub.org.uk

Oct 18

DONCASTER. Doncaster Exhibition Centre, Leger Way, Doncaster DN2 6BB. **Time**: 1030-1530. **Tel**: 01604 846688. **Web**: www.bpfairs.com

Oct 25

READING. Rivermead Leisure Centre, Richfield Avenue, Reading RG1 8EQ. **Time:** 1030-1530. **Admission:** Adult £3.50, Concession £3.50, Family £7.

Oct10

BIRCHINGTON, KENT. East Kent MRS/ Birchington Parish Council MRE. The Centre, Alpha Road, Birchington CT7 9EG. Time: 1000-1600. Admission £2, Child £1, Family £5. Tel: 01227 275157.

CORSE, GLOUCS. M5-M5 Narrow Gauge Modellers Group MRE. Corse Staunton Village Hall, Gloucester Road, Corse GL19 3RG. Time: 1000-1600. Admission: £4. Tel: 07773 867782. Web: www.m5m50ngm.co.uk

SHEFFIELD. Sheffield MRS MRE. Davy United Sports & Social Club, 630 Prince of Wales Rd, Sheffield S9 4ER. Time: 1000-1700. Admission: Adult £3.50.

SHIREHAMPTON, BRISTOL. Shirehampton MRC MRE. The Public Hall, Station Road, Shirehampton BS11 9TX. Time: 1000-1630. Admission: Adult £3.50, Senior £3, Child £1.50, Family £7. Tel: 01179 094915.

ALDERSHOT. Farnham & District MRC MRE. Connaught Leisure Centre, Tongham Road, Aldershot GU12 4AS. Time: Sat 1000-1700, Sun 1000-1630. Admission: Adult £5, Child £2, Family £13. E-mail: exhibition@farnhammrc.org. uk Web: www.farnhammrc.org.uk

Oct 10-11

BARROW IN FURNESS, CUMBRIA.

Furness MRC Model Railway & Transport Exhibition. Barrow Sixth Form College, Rating Lane, Barrow in Furness LA13 9LE. **Time:** 1000-1700. **Admission:** Adult £5, Senior £4, Child £2.50. **Tel:** 01229 588082. **E-mail:** 86254@btinternet.com

CAISTOR, LINCS. Caistorails MRS. Caistor Town Hall, 14 High Street, Caistor LN7 6TX. Time: Sat 1000-1700, Sun 1000-1630. Admission: Adult £3, Child/Senior £2.50, Family £7.50.

0

WANT TO KNOW MORE?

EXHIBITION DIARY

CORBY, NORTHANTS. Corby & District MRS MRE. SS Peter & Andrew Church Hall, Beanfield Ave., Corby, Northamptonshire NN18 OEH. Time: Sat 1000-1700, Sun 1100-1630. Admission: Adult £4, Concession £3, Child £2, Family £10. Web: www.cdmrs.co.uk

DUNDEE. Dundee MRC. Dundee International Sports Complex, Mains Loan, Dundee DD4 7AA. Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £4.50, Senior/Child £3.50, Family £12. **Tel:** 01382 644342.

Web: www.dundeemrc.talktalk.net

SHILDON, CO. DURHAM. Shildon MRC MRE. The NRM Locomotion Museum, Shildon DL4 2RE. Time: 1000-1600. Tel: 01325 310899.

Web: www.shildonmrc.com

WILMINGTON, KENT. Erith MRS MRE. St Michael's Church Hall, Church Hill, Wilmington DA2 7EG. Time: 1000-1700. Admission: Adult £4, Child/Senior £3, Family £11. Tel: 01322 220561. E-mail: richardarding@btinternet.com

Oct 1

KEIGHLEY, W. YORKS. Keighley MRC 7mm Festival. Knowle Mills, South Street, Keighley BD211SY. **Time:** Sun 1000-1630. **Admission:** Adult £3.50, Child £2.50. **Tel:** 07771 565617.

Web: www.keighley-mrc.org.uk

Oct 15-18

LEAMINGTON SPA, WARWICKS. Warwickshire Exhibition Centre, Nr Leamington Spa, Junction of A425/B4455. CV31 1XN. **Time:** Thu-Sat 1000-1700, Sun 1000-1600. **Admission:** Online/Door Adult £9/10.00, Senior £8/9, Child £5/5.50, Family (1+3) £14/15.50, Family 2+3 £23/25.50. **Tel:** 01926 614101. **Web:** www.midlandsmodelengineering.co.uk

Oct 17

BRIGHTON, SUSSEX. Brighton Toy & Model Museum. 52-55 Trafalgar St, Brighton BN1 4EB. Time: 1030-1700. Admission: £10, Disabled and carer £5.50. Tel: 01273 749494. Web: www.brightontoymuseum.co.uk

KIDDERMINSTER, WORCS. 3mm Scale MRE. Gainsborough House Hotel, Bewdley Hill, Kidderminster DY11 6BS. Time: 1000-1700. Admission: Adult £4. E-mail: exhibition@worsleyworks. co.uk Web: www.worsleyworks. co.uk/3mm/3mmexhibition.htm

POYNTON, CHESHIRE. Rotary Club of Poynton Family Fun Day. St Georges Church Hall, Poynton SK12 1EU. Time: 1000-1600.

PROMOTE YOUR EVENT HERE

Model Rail is happy to accept details of club exhibitions for inclusion on this page free of charge on the understanding that details may be edited down to suit available space and that Model Rail and its staff are not held responsible for any errors, howsoever caused. Send your exhibition details to: Model Rail Exhibition Diary, Media House, Lynchwood, Peterborough Business Park, Peterborough PE2 6EA or e-mail: jane.skinner@bauermedia.co.uk Entries for the November 2015 issue should reach us by October 29 4 2015.

PRINCES RISBOROUGH, BUCKS. Risborough & District MRC Open Day. Community Centre, Wades Park, Stratton Road, Princes Risborough HP27 9AX. Time: 1100-1600.

Tel: 01844 275748. E-mail: chairman@rdmrc.org.uk Web: www.rdmrc.org.uk

WING, BEDS. Tring & District MRC MRE. The Cottesloe School, Aylesbury Road, Wing, Nr Leighton Buzzard LU7 OPD. Time: 1030-1630. Admission: Adult £5, Child £3.50, Family £12. Web: www.tdmrc.co.uk

Oct 17-18

GREENOCK. Greenock & District MRC MRS. Lyle Kirk, Union Street Building, 31 Union Street, Greenock PA16 OTG. **Time:** Sat 100-1700, Sun 1100-1700. **Admission:** Adult £4, Concession £3, Family £12.

UCKFIELD, E. SUSSEX. Uckfield MRC MRE. Uckfield Civic Centre, Civic Approach, Uckfield TN22 1AE.

Time: 1000-1700. Admission: Adult £6, Senior £5. Tel: 01903 745759 (eve).

Web: www.uckfieldmrc.co.uk

Oct 24

BECKENHAM, KENT. Beckenham & West Wickham MRC MRS. St John's Church, Eden Park Avenue, Beckenham BR3 3JN. **Time:** 1000-1700. **Admission:** Adult £6, Senior £5, Child £4, Family £12.

CHELMSFORD, ESSEX. Chelmsford MRC MRE. St John Payne School, Patching Hall Lane, Chelmsford CM1 4BS.
Time: 1000-1630. Admission: Adult £4.50, Senior £4, Junior £2.
Tel: 01245 283622. Web: www.chelmsford-and-district-mrc.webs.com

CHICHESTER. Chichester MRE. Chichester High School for Boys, Kingsham Road PO19 8AE. Time: 1000-1630. Admission: Adult £5, Seniors £4, Child £2, Family £12. Tel: 07777 681292. Web: www.chilions.org.uk/modelrail

GLASGOW. Cathcart MRE. Pollokshaws Burgh Hall, Pollokshaws Road, Glasgow G43 1NE. **Time:** 1000-1700. **Admission:** Adult £4.50, Concession £4, Child £2, Family £11. **E-mail:** ndbatesalbion@ gmail.com **Web:** www.clydesidemrc. com/cathcart-exhibition.

HINCKLEY, LEICS. Hinckley MRC MRS. Saint Peters R C Church Hall, Leicester Road, Hinckley LE10 1LW. Time: 1000-1600. Admission: Adult £3.
Tel: 07805 078720

RAINHILL, MERSEYSIDE. Stephenson MRG MRE. The Guide House, Stoney Lane, Rainhill, Merseyside L35 9JY. Time: 1000-1700. Admission: Adult £2.50, Child £1.50. Tel: 0151 430 6883. Web: www.stephensonmrg.org.uk

WELSHPOOL, POWYS. Newtown Model Railway Society Mid Wales MRS. **Time:** 1030-1630. **Admission:** Adult £3.

Oct 24-25

ABERDEEN. Aberdeen MRC MRE. RGU Sport, Garthdee, Aberdeen AB10 7GE. Time: Sat 1000-1700, Sun 1000-1600. Admission: Adult £5, Concession £4, Child £2.50, Family £12.50. Web: www.aberdeenmrc.co.uk CHELTENHAM, GLOUCS. Cheltenham Great Western Modellers Group MRE. St Margaret's Hall, Coniston Road, Hatherley GL51 3NU. Time: 1000-1700, Sun 1000-1630. Admission: Adult £3.50, Child £2.50, Family £8. Tel: 01242 517788. Web: www.cheltmodrail.org.uk

HARTLEPOOL. Hartlepool MRS.
Hartlepool College of Further Education,
Stockton Street, Hartlepool TS24 7LB.
Time: 1000-1700, Sun 1000-1600.
Admission: Adult £6, Concession £5,
Child £4, Family £18.

HAZEL GROVE, STOCKPORT. Hazel Grove & District MRC MRE. Recreation Centre, Jacksons Lane, Hazel Grove SK7 5JX. Time: Sat 1000-1700, Sun 1000-1600. Admission: Adult £5, Child £3. Tel: 01625 850188. Web: www.hgdmrs.org.uk

HOLMFIRTH, WEST YORKS. Huddersfield Railway Modellers MRE. Holmfirth Civic Centre, Holmfirth HD9 3AS. Time: Sat 1000-1700, Sun 1000-1600. Tel: 07467269376.

Web: www.hudsrailwaymodellers.co.uk

TAUNTON, SOMERSET. Somerset Railway Modellers Club Rail-Ex Taunton. Taunton School, Staplegrove Road TA2 6AD. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £6.50, Concession £5.50, Child £3.50, Family £15. **Web:** www.somersetrmc.org.uk/Rail-Ex/index

Oct 24-26

BLACKROCK, CO. DUBLIN. South Dublin MRC Model Railways and Hobbies Exhibition. Blackrock College, Blackrock. Time: 1100-1700 daily. Admission: Adult €8, Child/Senior €6, Family €20. Tel: 00 353 868126112. E-mail: sdmrc@hobbysites.net Web: www.sdmrc@hobbysites.met

Oct 25

MILLAND, HANTS. Liphook & District MRC Open Day. Milland Valley Memorial Hall, Iping Road, Milland GU30 7NA. Time: 1000-1600. Admission: Adult £1.50. Web: www.millandvalleyrailway.co.uk

WORKINGTON. Workington Transport Heritage Trust Toy & Model Collectors Fair. The Old Fire Station, King St CA14 4DR. Time: 1000-1500. Admission: £1. Tel: 01900 67389. Web: www.wtht.co.uk

Oct 3

ALSAGER, CHESHIRE. Alsager Railway Association. Civic Centre, Alsager ST7 2AE. Time: Sat 1000-1700, Sun 1000-1630. Admission: Adult £5, Child £2, Family £12. Tel: 07747 087050. Web: www.alsagerrailwayassociation.co.uk

AMERSHAM, BUCKS. Chiltern Hills Vintage Train Group 'Classic Model Train Show'. St John's Methodist Church Hall, 60 Woodside Road, Amersham HP6 6AJ. Time: 1030-1700. Admission: Adult £4, Child £2, Family £10. Tel: 01895 672251.

CARSHALTON, SURREY. Wimbledon MRC MRE. Carshalton Boys Sports College, Winchcombe Rd, Carshalton, Surrey SM5 1RW. Time: 1000-1700. Admission: Adult £5, Child £2, Family £12. Tel: 02089 491370. Web: www.wimbledonmrc.org

WANT TO KNOW MORE?

ADVICE HUB

MODEL RAIL

EXPERT ADVISER

FROM THE TRADE















MODEL RAIL

The Advice Hub

Tips and advice that will save you time, money and help you hone your modelling skills.

et the inside track on the modelling industry with Advice Hub, and gather your information direct from the source.

Model Rail has asked some of the most popular product specialists in railway modelling to share their professional knowledge and expertise with you.

In this unique introductory edition of Advice Hub, you'll meet a range of trade specialists who will offer the benefits of their industry experience. They'll be revealing their own modelling

interests, top tips and even sharing the benefit of hindsight from their own modelling disasters. You'll also get a taster of what they'll be covering in future editions, and more.

In each future issue of *Model Rail* you'll find a more compact edition of Advice Hub, in which we quiz a select number of the manufacturers below.

They'll be sharing expert advice, inside knowledge, and tips on how to get the best out of today's modelling products. Read on, and start improving your modelling with Advice Hub.

if you have a question, or need advice from any of our experts please email modelrail@bauermedia.co.uk



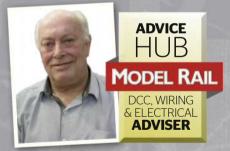
Everything Airbrush Painting



Ron Lines Inspiration & Planning



War World Scenics Landscaping & Scenics



DCCconcepts DCC, Wiring & Electric



Elite Baseboards Basehoards



Model Railway Scenery Buildings



Modula Layouts Track & Track laying

DCCconcepts: DCC, Wiring and Electric

Question: Model Rail is pleased to be working with DCCconcepts to offer our readers expert tips and advice on wiring, electrical and DCC. Tell us why DCCconcepts is well placed to offer advice?

Answer: Basically, because every single person at DCCconcepts is an experienced, hands-on modeller. Between us we have vast experience in all main prototypes and scales and individually we cover everything, from the core design of electronics to hands-on fine-scale modelling in all materials.

Despite our name, we also appreciate and understand the needs of AC, DC or DCC modellers in all scales. Most importantly, we have long-term experience teaching modellers in all the Advice Hub subjects that we will help with!



Question: As the specialist adviser, tell us a bit more about yourself and your personal interest/passion for modelling.

Answer: I have been modelling in one way or another since the age of three, when a Hornby-Dublo three-rail set entered my life. With inevitable gaps as my life progressed, I have mostly modelled in both US and UK prototypes ('HO' and 'OO').

I also dabbled for a while with 'N' gauge, New Zealand 'Sn3-1/2' models and in other areas, too.

As a modeller I notice when the rivets are missing... but I do appreciate that not all modellers take the same approach. I just love it all - and I enjoy helping other modellers.

Question: The Advice Hub will offer Model Rail readers a series of tips and advice designed to save money and time, or improve their technique/skill level. Can you give an example of what's to come?

Answer: Absolutely. Our website contains hundreds of pages of carefully written, pre-tested advice and this demonstrates the depth of our understanding. We KNOW what works best, and what does not.

In our contributions to the Advice Hub, we will do our best to be specific and to the point, with direct answers to specific questions.

Question: What is the one golden tip you would offer a newcomer to modelling?

Answer: Take your time, and keep your wallet in your pocket until you have made a few basic decisions.

The hobby offers a huge variety and many temptations, but a little planning before the first big spend will usually result in greater pleasure for far less cost... and zero wastage!

Question: Have you ever had a modelling disaster that you can share with us?

Answer: Yes - I had completed two kits, a 'Claughton' and a 'Black Five' in 4mm scale and intended to enter them in a model competition - I was very proud of them. I spent the weekend before the event giving them a final super-detail.

I placed one on top of a cabinet and the other on a lower shelf to dry. But my T-shirt caught the valve gear of the top model and pulled it off the shelf, dropping it onto the model below, and damaging both of them badly. I was, to say the least, upset. I couldn't bring myself to touch another model for months.

I eventually snapped out of it, rebuilt them and entered them the following year with great success. Persistence and determination pays in any hobby!

Question: Other than the Model Rail Advice Hub, how else can MR readers benefit from your expertise and advice?

Answer: By visiting www.dccconcepts. com and clicking on our Manuals/
Advice tab. It will reveal a huge resource of modelling advice and 'How to' articles. More are written each month, so it is worth coming back again regularly. We also attend major shows and will be bringing something VERY special to Warley this year with luck!

We are happy to help one-on-one, too, even if you are on the other side of the world. Any modeller with a question about anything to do with the hobby is welcome to e-mail me at any time. We do our best to reply promptly and can usually give real help on almost ANY subject!

Question: What was the last modelling project you worked on?

Answer: Actually I can't really define that. The last project I completed for myself was *British Legion* in 4mm scale, built from two Brassmasters kits. It took a lot of research and some scratchbuilding, too... Finding free time to model for myself is difficult now though, and as a result I have had seven part-completed brass locomotive models on my bench for a year or so.

Most of my current modelling work is to create prototypes for our products, and there is little spare time for anything else at the moment!



Contact details:

DCCconcepts Pty Ltd. 3/13 Lionel St, Naval Base WA 6165, Australia **Tel:** +61 8 9437 2470, **E-mail:** sales@dccconcepts.com

Web: www.dccconcepts.com

Richard Johnson, DCCconcepts



Elite Baseboards: Baseboards

Question: Model Rail is pleased to be working with Elite Baseboards to offer our readers expert tips and advice on baseboard building. Tell us a bit about your company.

Answer: Elite Baseboards, from its inception in 2010, has always had quality, design and inspiration as its watchwords. These three elements are built into any product or design that we manufacture or produce.

Question: As the expert adviser, tell us a bit more about yourself, your company and what motivated you to set up your own company.

Answer: Elite Baseboards came about initially to design and market a modular baseboard system that could be used by exhibition modellers and railway clubs, but could also be used by the home modeller. For our second major commission for baseboards, we were also asked if we could design and make an entire layout. Having been railway enthusiasts and modellers from an early age and owning exhibition layouts of our own, it was not a problem for us to build a full layout. After this, offering a full design and layout build service was the next logical step for us, and we decided to form a company. We gave up our full-time jobs to concentrate fully on doing something we love, and Elite Baseboards was born.

Question: The Advice Hub will offer Model Rail readers a series of tips and advice to save money and time, or improve their technique/skill level. Can you give an example of what's to come?

- Considerations before constructing a layout.
- Modular baseboards using common components.
- Multilevel layouts.
- How to conquer gradients with DCCconcepts PowerBase.
- Track planning, software vs hand drawn.
- Baseboard alignment options.
- Electrical connections with soldering and solder-less options.
- The best way of using cork coverings.
- Track laying techniques for differing forms of trackwork.
- Attaching scenery to baseboards some dos and don'ts.



BASEBOARDS ADVISER

Question: What is the one golden tip you would offer a newcomer to modelling?

Answer: Plan first before committing saw to timber or laying track to a board. Finding curved track that is too tight, gradients that are too steep, or something that simply will not fit is easier to put right on paper than during the building process. After all, this is a hobby and meant to be for relaxation, not a continuation of the daily grind.

Question: Other than the Model Rail Advice Hub, how else can MR readers benefit from your expertise and advice?

Answer: People can reach us by telephone, e-mail or the mail address below. We also attend model railway shows - our website features a diary of events we will be attending. We prefer the smaller shows because we can talk one to one with other modellers and offer advice that they can include in their own projects. Our trade stand is designed to showcase our services, it's not just loaded up with stock.

Question: Have you ever had a modelling disaster that you can share with us?

Answer: Yes. Always be aware of what is below the baseboard when you drill into it. A drill bit can easily destroy point motors and wind carefully laid wiring around it. We experienced this in the past, and destroyed a DCC point motor in the process. It's a simple thing we all do at least once to our own cost.

Question: What was the last modelling project you worked on?

Answer: Our 43rd full build project was a layout for a customer in Chatham. This was built to accommodate about 70 locomotives in a running shed environment. We used bespoke boards, Tillig track, DCCconcepts analogue Cobalt IP point motors, a Fleishmann turntable, and all wired to cab control format with three cabs, six sections and over 50 isolated sections. Scenery in this instance was finished to a basic level, including ballasting, leaving the customer to add elements as required.



Contact details:

80 Forest View Road, Tuffley, Gloucester GL4 OBY **Tel:** 01452 720599

E-mail: info@elitebaseboards.co.uk **Web:** www.elitebaseboards.co.uk

Giles Walburn, Elite Baseboards



modelrailwayscenery.com: Buildings

Question: Model Rail is pleased to be working with Model Railway Scenery to offer our readers expert tips and advice on building in card. How is Model Railway Scenery qualified to offer advice to newcomers to modelling?

Answer: We love creating the real world in miniature, getting the most realistic finish possible using just the simplest of materials - paper and card - and we work closely with our customers to create essential kits for their layouts. As a result, we can now offer a wide range of kits in digital download, pre-printed and laser-cut formats.

We're also experimenting with materials and production techniques to really push the limits of what can be achieved using paper and card.



Question: As an expert adviser, tell us a bit more about yourself and your personal interest/passion for modelling.

Answer: My late grandfather worked as a guard for British Rail back in the 1970s, and he told me countless stories of railway life so, from an early age, railways were in my blood. I was 11 when I built my first layout. It was really basic, but I was proud of it... I spent hours making stuff. I even made my own scatter material from sawdust dyed with food colouring. Crude maybe, but it worked!

Since then, I've built all sorts of models, including radio controlled cars and the odd Airfix kit (not to any great standard, mind you!). As I reached my late teens, I took a break from modelling: I went to university and played bass guitar in various bands, until raising a young family took priority. But that interest in modelling always remained in my mind.

In 1999 I embarked on a new career in graphic design, in which I developed skills in designing websites. Then, in 2010, my passion for railway modelling returned, and I started to experiment with putting some basic kits and texture sheets together. Being able to apply my graphic design skills to something I was truly passionate about gave me a wonderful feeling and I haven't stopped since! Creating realistic models using nothing more than my computer, some paper and a couple of old cereal packets is just so much fun. Sharing my creations with other modellers, and seeing how they interpret them and use them on their layouts is incredibly rewarding. I feel very lucky to be able to do what I do.

Question: What is the one golden tip you would offer a newcomer to modelling?

Answer: Just get stuck in and have a go. We're all still learning. Study the world around you. Note the detail in things... the weathering, the vast array of colours etc. For example, no two brick walls are exactly the same, so they shouldn't ever match on a layout.

Question: Have you ever had a modelling disaster that you can share with us?

Answer: A couple of years ago I decided to re-spray an old Mainline 'Warship' diesel which I'd had since I was a teenager. Many hours were spent painstakingly stripping the decals and old paint, and preparing the shell. I carefully applied a couple of coats of primer, followed by several light coats of BR blue. Things were looking good.

The new decals went on a treat, and I was very proud of my first re-spray. Then to finish it off, and to protect the lovingly applied paintwork and decals, I reached for the clear lacquer - or so I thought. A quick spray... and the whole thing turned white! I'd picked up the can of primer again instead of the lacquer! Since then I've always left this sort of thing to the painting experts, and stuck to paper and card.

Question: Other than the Model Rail Advice Hub, how else can MR readers benefit from your expertise and advice?

Answer: We love sharing hints and tips with our customers and modellers in general and we're very active on our facebook page (www.facebook.com/ ModelRailwayScenery). Just go on there and ask us anything! We also have a twice-weekly e-mail newsletter with how-to guides and tips, many of which are sent in by subscribers. It has a fantastic community feel and it's completely free to join via our website at www.ModelRailway Scenery.com.

Question: What was the last modelling project you worked on?

Answer: We're always busy developing new products and I could list so many of those. Recently though, we've created a couple of small dioramas to showcase a few products in some forthcoming tutorial videos. We've also been developing a lot of new laser-cut card kits, including a set of industrial extractor fans for detailing warehouses and factories etc, and also Laser Cut Road Marking Stencils in 'OO' gauge.



Contact details:

62 Station Road, Hugglescote, Coalville, Leicestershire LE67 2GB **Tel:** 01530 456952, **E-mail:** sales@modelrailwayscenery.com **Web:** www.modelrailwayscenery.com

Justin Noble, Model Rail Scenery



Ron Lines: Inspiration & Planning

Question: Model Rail is pleased to be working with Ron Lines to offer our readers expert tips and advice on Inspiration and Planning. Tell us what sort of advice your company can offer modellers.

Answer: We can offer a wide range of advice, such as how to plan with the space available, baseboard construction, layout design, track laying, wiring (whether it be analogue or digital) and scenery construction, as well as being able to supply many of the components needed to construct a layout.

Question: Tell us a bit more about yourself and how your passion for modelling began.

Answer: We at Ron Lines have many years of experience in layout planning, construction and operation. My name is Ron Boreham, the founder of Ron Lines, and I've been a keen modeller since my early teens. It all started in the usual way, with a train set in my childhood. In my early teens, this developed into a hobby, and my trains became more than just toys. I sold my first train set, which was laid out on a standard 6ft by 4ft board, and I then embarked on some thoughtful scenic diorama modelling of railway scenes, as I could not decide on a layout subject at the time.

My first serious attempt at a railway layout was at the age of 15, constructing a 'OO' gauge off-the-shelf layout, consisting of a small country terminus, small goods depot and a fiddleyard. This was constructed using the very early style fibre-based track and points, which were very difficult to work with. My motive power for this was a Tri-ang 'Jinty' which I had converted to a pannier tank using card for the necessary body modifications. This layout worked well with what I knew and understood about cab control at the time.

In the late 1970s, and as a result of space restrictions, I embarked on constructing 'N' gauge layouts. To date, I have constructed eight layouts, and all but one have been on the exhibition circuit. I have also constructed a 'OO' gauge layout, and I have another one in progress. Two of my layouts are still being exhibited 20 years after construction!

Question: What is the one golden tip you would offer a newcomer to modelling?

Answer: The very first step is to determine which gauge is suitable for the space you have available, and to keep it simple to start with. Never be afraid to ask others for advice, and stick at it because eventually everything will fall into place.

Question: What was the last modelling project you worked on?

Answer: Currently I'm working on a 'OO' gauge layout called 'Beckington Wharf' which comprises a fiddleyard, passenger station and a harbour at low tide. Operation consists of cab control using analogue and digital controls. This layout has been difficult from the start due to the materials I used during the baseboard

construction. I used an MDF outside frame and a foam interior, but it began to warp during drying, which made the track I had laid bow in the centre. I brought it into the shop whereby my business partner realised the mistake I had made - not providing enough downward support for the foam. We soon rectified the mistake, averting any future disasters.



Contact details:

 $342\,Shirley\,Road, Southampton, Hampshire\,SO15\,3HJ$

Tel: 023 8077 2681

E-mail: r.lines@hotmail.co.uk **Web:** www.ronlines.com Ron & Annmarie, Ron Lines

ADVICE HUB

MODEL RAIL

INSPIRATION & PLANNING ADVISER

Question: What are your personal modelling interests?

Answer: My main interest is the operational design and construction aspect of the hobby. I prefer early to mid-1960s Southern Region suburban services, but sometimes I model other periods.

Question: Other than the Model Rail Advice Hub how else can MR readers benefit from your expertise and advice?

Answer: Modellers are welcome to visit our shop premises in Southampton, or catch up with us on the road at shows around the country throughout the year. You can call at any time, e-mail us, or just pop in for a wide range of advice. On our website there is a list of shows where we will be attending along with the dates.



Everything Airbrush: Painting

Question: Model Rail is pleased to be working with Everything Airbrush to offer our readers expert tips and advice on painting. Tell us a bit about your company, and what sort of advice Everything Airbrush can offer modellers.

Answer: I have been in the spray finishing industry since the early 1990s, with a particular focus on the manufacturing and use of airbrushes and related equipment. My current vocation involves helping people select the correct equipment and paint medium for their hobby and I take great delight in assisting them in achieving the best possible results from airbrushing.

The Everything Airbrush team have over 40 years of experience in many airbrushing applications. From small rolling stock models to large scale scenery, we have expertise in airbrushing many types of media on different surfaces. We're happy to share all our tips and tricks to assist modellers in creating great results when using airbrush equipment. Airbrushing models can seem quite technical, but with practice, patience and straightforward advice, anyone can get great results.

Question: Can you give an example of what sort of advice you will be offering modellers?

Answer: I will be highlighting many areas in which Model Rail readers can improve their airbrushing techniques. There will be a series of tips and guides and reviews of essential products. We'll also explain how to select the correct type of airbrush to suit your application and the accessories needed for airbrushing. An example of a money-saving tip is when you are selecting a primer for your model. Use a colour that matches the top coat as closely as possible. This means you can apply fewer layers of top coat to achieve the opacity and colour required, and therefore save money. One of our suppliers, Vallejo, produces a superb range of water-based polyurethane surface primers for airbrushing. The surface primers are available in various colours which can also be tinted with Vallejo paints to achieve a wide spectrum of primer base colours.

Question: What is the one golden tip you would offer a newcomer to modelling?

Answer: We recommend that beginners should use pre-mixed paints which have been specifically manufactured for airbrushing. Model building is a labour of love and airbrushing your model is the last critical step. To make sure that your final results are as impressive as can be, practise by spraying primer, base coats and clear coats before applying these techniques onto your prized new locomotive model. Ensure that you apply multiple light coats of paint, allowing sufficient drying time between coats to avoid paint run.

Question: Other than the Model Rail Advice Hub, how else can MR readers benefit from your expertise and advice?

Answer: Everythingairbrush.com features a detailed buyer's guide, which includes a list of recommended airbrushes for various applications, as well as guides which take you through purchasing the correct compressors and other associated equipment and, of course, choosing the correct paints for whatever you're airbrushing. Also, we are more than happy to offer free help and advice, either to customers who are visiting our premises, or by telephone.

ADVICE MODEL RAIL PAINTING ADVISER

Question: As a specialist adviser, tell us a bit more about you and your personal interest/passion for modellina.

Answer: In my younger years I was an avid modeller with a particular interest in '00' gauge trains and small-scale aeroplanes. I particularly enjoyed making and painting Second World War model aircraft, that I used to paint by hand with brushes. It was not until I started working in the airbrush industry that I discovered the versatility of this wonderful tool and the quality of finishes that can be achieved through its use.

EVERYTHING worwsh

Contact details:

Unit C5-C6, Holton Heath Trading Park, Holton Rd, Poole, Dorset BH16 6LT Tel: 01202 622579, E-mail: office@everythingairbrush.com Web: www.everythingairbrush.com

Tim Murrell, Everything Airbrush

War World Scenics: Landscaping & Scenery

Question: Tell us a bit about yourself, your company, and what you offer modellers.

Answer: Hi, we are Martyn and Mark from WWS, a manufacturing company specialising in scenery for the railway and wider modelling market. You may already be using our products, which have previously featured in *Model Rail*. We are delighted to be working with *Model Rail* and to be writing regular features to offer specialist advice on railway scenery and landscapes.

ADVICE HUB MODEL RAIL

LANDSCAPING & SCENICS

ADVISER

Question: What are your personal modelling interests?

Answer: I love to do dioramas, the attention to detail and skills that are needed challenge me. I also love to do landscapes using static grass. Embankments and wild meadows are a favourite of mine as you can mix all the colours and get amazing results.

Question: How did your company start, and in which areas of modelling do you specialise? What sets your company apart?

Answer: The company originated from humble beginnings on a kitchen table in 2009 and was developed out of our passion for modelling and making model scenery.

We are proud to have established the only model scenery manufacturing company based in Wales, and one of the largest model scenery suppliers in the UK.

Although it is now a successful business, the company remains dedicated to the development of the creative process behind model scenery. Our design team create bespoke scenery products at our workshop in South Wales, which we export globally.

We always endeavour to have the needs of our customers in mind, specifically the individual hobbyist. We are continually expanding our range and variety of products and strive to source materials that aid our customers to make their own scenery.

Question: What is the one golden tip you would offer a newcomer to modelling?

Answer: One of the main points to landscape modelling is not to be too fussy. Take a look out of your window, see how nature is and copy it. The best tip I can give is: "If you make a mistake, keep at it, it can often turn into a good idea".

Question: Tell us more about your company's products and services.

Answer: We developed the Pro Grass Applicator, which has been featured in *Model Rail*, and reviewed by Peter Marriott. This is used to apply the grass to the layout. We supply all the accessories and materials you need to create your own scenery. We also manufacture and provide an extensive range of static grass which is available from 1mm to 12mm in a wide range of colours and mixes - for example, 2mm Static Grass with Summer Meadow Flower Mix.

Question: Other than the Model Rail Advice Hub, how else can MR readers benefit from your expertise and advice?

Answer: We are pleased to now have the opportunity to share our know-how and experience with readers, and we welcome any queries. In the meantime, you may like to check out our online demonstrations and teaching videos at www.wwscenics.co.uk

Question: Have you ever had a modelling disaster that you can share with us?

Answer: We were commissioned by Wales' largest zoo to make a 10ft model of the Savanna. I had just laid the third layer of grass and was pretty pleased with the way it was starting to look. So I switched off the light in my garage and went to watch some TV with the wife. Unbeknown to me, my cat must have thought he was a lion and had walked all over the work I had just done, flattening the grass. But, as I said in my golden tip, this was one of those times when something that got messed up became a good idea.

Question: The Advice Hub will offer Model Rail readers a series of tips and advice designed to save money and time, or improve their technique/skill level. Can you give an example of what's to come?

Answer: We will be launching a new Pro Grass Applicator, and we'll be advising on how to use it and the Pro Grass box. Plus we'll talk about how to make hedgerows, how to set 10mm and 12mm static grass, and using the multi-layering technique.



Contact details:

Unit 4, Cwmtawe Business Park, Alloy Industrial Estate, Pontardawe, Swansea SA8 4EZ

Tel: 01792 864250

E-mail: info@war-world.co.uk, Web: www.wwscenics.co.uk

Martyn Rees, WWS

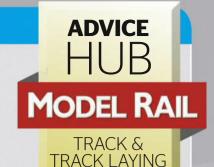


Modula Layouts: Track & Track laying

Question: Model Rail is pleased to be working with Modula Layouts to offer our readers expert tips and advice on track and track laying. Tell us a bit about why Modula Layouts is well placed to advise newcomers to the hobby?

Answer: Modula Layouts evolved from the years of modelling experience of two entrepreneurs who saw a gap in the market for a range of 'N' and 'OO' gauge model railways for sale as starter layouts.

We also build bespoke layouts to customer specifications and are often asked to turn rough sketches into working layouts. We have to be able to lay track accurately and easily, as all the layouts we sell have track already installed.



ADVISER

Question: As an expert adviser, tell us a bit more about you and your personal interest/ passion for modelling.

Answer: My dad bought me a train set when I was four and I added to it over the years. When I was 14 I met Frank Roomes, a renowned modeller of the day, and was privileged to operate his 'Lutton Mill End' layout. This introduced me to fine scale modelling.

I was encouraged to try modelling in 'EM' gauge by a group of friends, and we encouraged each other to push the boundaries. I became well-known for scratchbuilding 4mm scale LMS coaches. Eventually I built my first 'EM' gauge layout, and worked alongside friends on a large main line project. Coming from Derby, my interest leaned towards the LMS in the Derbyshire Peak District.

Then along came work and family, so model railways took a back seat, but my passion never waned, I attended shows and kept in touch with developments in modelling. Occasionally I would make a scratch or kit-built wagon.

Then I was asked to build a scissors crossover for a friend. It was made from Code 100 rail and copper-clad sleepers and it proved to be a challenge, but I enjoyed it, and my friend was delighted.

Since then I have built other items of track work, ranging in scale from 'N' gauge to five inch. I built a small 'OO' gauge layout for my club, teaching some of the members.

Oh, and I still have my original train set!

Question: What is the one golden tip you would offer a newcomer to modelling?

Answer: My golden tip to a newcomer would be to join a good club. The wealth and breadth of experience you will be able to tap into is priceless. Usually you will find someone in the club willing to help you get started, and helping with a club layout will develop your skills.

After I joined a club I was encouraged to have a go at 'EM' gauge and haven't looked back since. I also became involved in five-inch steam, I would not have tried either had I not joined the club.

I'm now secretary of a club, encouraging others and enjoying every minute.

Question: Other than the Model Rail Advice Hub, how else can MR readers benefit from your expertise and advice?

Answer: Modula Layouts can sometimes be found at shows, and I'm often there. Because of these articles we have started an advice page on our website www.modulalayouts.co.uk We also have a Facebook page where you can stay up to date with Modula Layouts and the shows we will be attending at http://on.fb.me/1hNOe98

Question: Have you ever had a modelling disaster that you can share with us?

Answer: Actually no, but I do have a large pile of unfinished projects. The worst was a 4mm Midland non-corridor Brake Third, where I discovered I had opened up the wrong panels as windows and ended up throwing it away. It's important to be critical and not be afraid to start again.

Before I start a project I spend some time thinking about how I'm going to tackle it. Even then, this doesn't always work and sometimes I encounter an unforeseen problem, so the project stalls.

Question: What was the last modelling project you worked on?

Answer: I am currently working on a 'layout in a box', which is part of a challenge our club chairman issued to the membership. It should be finished by the time you read this. I've built the layout in 'N' gauge, featuring a three-way point and a double-slip, made from Code 40 rail and copper-clad sleepers. It's coming along nicely, but I don't want to give too many details away yet!



Contact details:

19 Tylers Avenue, Billericay, Essex CM12 ORA **Tel:** 01277 631741,

Web: www.modulalayouts.co.uk

Nigel Fisher, Modula Layouts







KEMPTON PARK TOY FAIR

At: Kempton Park Racecourse, Staines Road East, Sunbury on Thames, Middlesex. M3 Jct 1 onto A308

On Sunday 4th October 2015 10.30am - 3.00pm

Adults - £4.00, Children - £1.00 Concessions - £3.50 Early Entry Buyers - £10.00 (8.30am onwards)

Approx 200 tables of toy and model dealers, buying, selling and part exchanging a wide variety of collectables including: Model Railways, Models Cars and Buses, Scalextric, Dolls and Teddy Bears, White Metal, Aircraft, Display Cabinets, Memorabilia and much much more

For information and booking details please contact Russell Martin on 023 9238 1529 or 07957 823507





Hartlepool Model Railway Show

24th & 25th October 2015



Bridge of Muir. Photo: M Wild/Hornby Magazine

Hartlepool College of Further Education, Stockton Street, Hartlepool

SAT NAV TS24 7LB
Just 10 mins walk from the road/rail
Travel Exchange
Free parking Sunday, £1.00 charge
on Saturday

25 LAYOUTS IN ALL SCALES, FULL TRADE SUPPORT AND MODELLING DEMOS

Full catering and access for the disabled

LAYOUTS INCLUDE Pete Midwinter's Bridge of Muir (OO) (above), Buxton (N), Brough (OO), Herdston (OO), Peffermill Road (EM), Scrayingham (OO9), LYDCC (O), Seahouses (O), Tom-na-Faire (EM), Blyth Gattenby (OO). Wellmich am Rhein (N), Braddock (HO), Imperial Yard (N) and many more....

TRADERS INCLUDE DE&DC Kits, Durham Trains, RCTS, Contikits, Going Loco, Cyson Cabinets, Peter's Spares, K&M Models, Finishing Touches, North Road Trains, Digitrains, Triangman, The Book House and many more....

Admission Charges: Adults £6, OAPs £5, Children £4, Under 5s free, Family (2+3) £18

ALL PROCEEDS TO HARTLEPOOL HOSPICE & GREAT NORTH AIR AMBULANCE

Sponsored by:

EDEN PARK HIRE LIMITED

[1]



PUBLISHING TO



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 **Q** Alpha Digital Encoder will allow you access to the advantages of digital accessories and let you connect an entire control panel to the layout with only ONE plug-in cable!.

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 Switch. 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



www.HOLT MODEL RAILWAYS-com

MAIL ORDER

HOLT HOUSE, CASWELL BAY SWANSEA SA3 3BU DISCOUNT SUPPLIES FOR OO, N + O

Tel: 01792 232264 TEL ORDERS





YOU MAY ALSO FAX ON THE ABOVE NUMBER

SHOP **BISHOPSTON ROAD, BISHOPSTON SWANSEA**

Email holtmodelrailways@talk21.com **SHOP HOURS:** 9.30-12.00 2.00-4.45 closed on Sunday and Friday

HORNBY

STEAM LOCOMOTIVES - LIMITED ED	ITION
R2683 LMS SINGLE 14010 BLACK	£72.90
STEAM LOCOMOTIV	ES
R2745 SR SCHOOLS WELLINGTON	

,a	
	No.
Tell	0 0 0 0
- m	Control of the last of the las

	STREET, STREET,
R2815 SCHOOLS LIMITED EDITION TRAIN PACK	£176.00
R2843 SR SCHOOLS DULWICH	£95.60
R3284TTS LNER FLYING SCOTSMAN WITH SOUND	£86.50
R2889 T9 BR GREEN LTD EDITION 30119	£89.00
R2915 GWR 28XX NRM	£109.50
R2916 GWR 28XX (ROUNDEL)	£109.50
R2917 BR 28XX LATE	£109.50
R2918 GWR 38XX	£109.50
	Street, or other Designation of the last o
4-4-5	



	-
R2952 IMPERIAL AIRWAYS PACK	
R3019 BR PAVILAND GRANGE	£111.50
R3020 LMS 2-6-4 FOWLER TANK MAROON	£95.00
R3059 TORNADO EXPRESS PACK	£131.20
R3060 BR A1 TORNADO	£73.50
R3070 BR A1 TORNADO LIMITED ED	£98.50
R3086 LNER FLYING SCOTSMAN	£51.50
R3102 BR KING EXP BLUE LTD ED	
R3105 GWR WELLINGTON CASTLE	
R3131 A4 LNER GREAT SNIPE	£125.00
R3168 DUKE OF GLOUCESTER BR GREEN	
R3170 GWR 49XX ADDERLEY HALL	£71.50
R3171 LNER P2 COCK OF THE NORTH	
R3187 GNR CLASS N2 0-6-2T	
R3189 LNER CLASS L1 GREEN	£125.50
R3191 DUKE OF GLOUCESTER BR GREEN SUPER DETAILED	
R3195 BR DUCHESS CITY OF LIVERPOOL GREEN	
R3221 LMS DUCH OF SUTHERLAND & SUPPORT COACH	
R3204 M7 LSWR LINED GREEN NRM	£121.50
R3205 BR 49XX ROOD ASHTON HALL	£103.70
R3208 BR SCHOOLS BRIGHTON	£121.00
R3225 GWR 72XX 2-8-2T	£118.50
R3229 BR STAR CLASS BRITISH MONARCH	
R3238 SR CLASS 700	
R3239 BR CLASS 700	£115.00
R3241 BR MAROON CITY OF BRADFORD	£136.50
R3242 BR K1 EARLY	£119.50
R3243 BR K1 LATE CREST	£119.50
R3244TTS BR DUKE OF GLOUCESTER SOUND	£135.00
R3245TTS BR PEPPERCORN A1 SOUND	£135.00
R3246TTS LNER CLASS P2 SOUND	£135.00
R3272 CLASS 67 ROYAL SOVEREIGN LIMITED ED 1000	
R3277 GWR COUNTY OF DEVON	£61.00
R3302 CLASS 700 AND COACHES RETURN FROM DUNKIRK	£216.00

		3
DIESEL & ELECTRIC LOCOMOTIV	ES	
R2421 CLASS 31 DUTCH	£77.90	Į
R2644 CLAS 121 CHOC/CREAM	£65.00	3
R2755 CLASS 86 BR BLUE	£56.20	3
R2765 CLASS 73/1 DUTCH LIVERY	£49.90	3
R2770 BR CL. 121 BLUE	£58.00	3
DEFENDANCE OF THE PARTY NAMED IN	2	3
STATE OF THE PERSON NAMED IN COLUMN	COMPLE .	600
FAMILE NO. NO. 100 - 100	MINERE	200
And the same of th	-	200
R2946 4 CAR BR VEP UNIT	£108.50	0

...£172.80 ...£105.00

£105.00

...£105.00 ...£ 105.00

£113.75

£128.50

....£75.95

R3138 HST WESTERN REGION .. R3161 BR 2 - BIL TWO CAR SET

R3162 SR 2 - BIL TWO CAR SET

R3260 SR 2 HAL GREEN ...

R267

R3262 CLASS 31 DCR.... R3284TTS LNER FLYING SCOTSMAN WITH SOUND...

R3287TTS CLASS 47 BR BLUE LARGE LOGO SOUND.

R3290A BR 2 HAL GREEN	£113.75
COACH STOCK	
R4074A/B GNER MARK 4 OPEN	£22.00
R4075A/B GNER MARK 4 TOURIST	£22.00
R4303C/D/E BR MAUNSELL CORRIDOR 1ST CL	£31.70
R4304D BR MAUNSELL COMPO	£35.00
R4384 PULLMAN 12 WHEEL 1ST CL KITCH MONACO	£49.00
R4502 GWR HAWKSWORTH BRAKE 3RD	£36.50
R4504 GWR HAWKSWORTH 1ST/3RD	£36.50
R4505 GWR HAWKSWORTH 1ST CLASS	£36.50
R4534B BR PUSH PULL COACH PACK	£69.00
R4582 3 COACH PULLMAN BRIGHTON BELLE PACK	
R4669 GWR CLERESTORY THIRD	£23.95
R4770 GWR CLERESTORY BRAKE	£25.95

HORNBY RAILROA	D
69 BR RED 08 AND 3 WAGONS	£35.00
70 0-4-0 LOCO AND 3 WAGONS	£35.00
34X BR MALLARD	£79.80
DELLINC DEACH EINE	CEE UU

/	
R3060 BR A1 TORNADO	
R3068 BR WARSHIP	
R3086 LNER FLYING SCOTSMAN	
R3170 GWR 49XX ADDERLEY HALL	
R4312 PULLMAN PARLOUR CAR	
R4313 PULLMAN BRAKE CAR	
R4332 LNER TEAK COMPOSITE	
R4333 LNER TEAK BRAKE	
R4350 BR MK1 COMPO MAROON	£15.50
R4351 MK1 SK CORRIDOR 2ND MAROON	£15.50
R4352 MK1 BSK CORRIDOR BRAKE MAROON	£15.50
R4354 MK1 SK CORRIDOR 2ND CHOC/CREAM	£15.50
R4355 MK1 BSK CRRIDOR BRAKE CHOC/CREAM	£15.50
R4388 LMS COMPOSITE COACH	£16.95
R4389 LMS BRAKE COACH	£16.95
R6369 BREAKDOWN CRANE	£16.00
R6423 CAR TRANSPORTER	£16.95
DOWER & CONTROL FOLLIS	MENT
POWER & CONTROL EQUIP	MENT
DRUTA DUNT WULD	26.50

POWER & CONTROL EQU	IIPMENT
R8014 POINT MOTOR	£6.50
R8015 POINT MOTOR HOUSING (ADAPTOR BASE)	£3.50
R8206 POWER TRACK	£5.30
R8243 SURFACE MOUNTED POINT MOTOR	£6.95
R8250 TRAIN CONTROLLER	£24.50

PECO

TRACKWORK	
A CONTRACTOR OF THE PARTY OF TH	
ATTERNATION OF THE PERSON OF T	
Children and Children	
ON DOUBLE SLIP	9

CI (

	OL 30 DUUDLE OLIF	
	SL 80 SINGLE SLIP	
50	SLE 190 DOUBLE SLIP FINESCALE	£32.00
	SLE 180 SINGLE SLIP FINESCALE	
70		
75	The state of the s	
50	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	



SLE 199 AYSYMETRIC THREE WAY POINT FINESCALE ... £24.80 ALL PECO TRACK AND ACCESSORIES STOCKED AT DISCOUNT PRICES



DIGITAL
36508 DYNAMIS PRO BOX£121.00
36555 1 AMP 4 FUNCTION£15.50
36557 3 FUNCTION 21 PIN DCC DECODER EMF£13.75
36558A 6 PIN DECODER£14.50
LOCOS
30-325 AMBULANCE TRAIN PACK£144.95 POST FREE
31-001 ROBINSON CL 04 2-8-0 BR BLACK LATE£109.95
31-003 ROBINSON CL 04 2-8-0 LNER£103.70
31-004 ROBINSON CLASS 04 WEATHERED£99.50
31-086 EARL 32XX BR BLACK EARLY CREST£99.00
31-136DC D11/2 EDIE OCHILTREE POST FREE£115.90
31-167DC L & Y BR EARLY FITTED 2-4-2T£98.95
31-265 MOTORISED LUGGAGE VAN BR GRN£77.00
31-266 MOTORISED LUGGAGE VAN BR GRN YELL PANEL£77.00
31326A CLASS 105 2 CAR GREEN WHISKERS£82.50
31-327 CLASS 105 2 CAR DMU BR GREEN HALF YELLOW£77.12
31-431 1F 0-6-0 BR EARLY£87.50
31-432 1F 0-6-0 BR LATE£87.50
31-465 WAINRIGHT C BR LATE CREST£87.00
31-530 A2 LNER SUGAR PALM APPLE GRN£125.00
31-575 WINDHOFF MPV NETWORK RAIL£105.00
31-577 WINDHOFF MPV RAILTRACK£110.00
I .

I	B	e di la	+	
0				
TANK	a vice			3. SF
04 000 PD 0F F	DIV ODFOT			054.50

1		
1	31-626 BR 3F EARLY CREST	£54.5
ì	31-635 GWR 64XX	£69.6
ì	31-637 64XX PANNIER BR LINED GREEN	£69.6
1	31-726 GWR 3700 CITY OF BATH	£99.0
,	31-726 GWR 3700 CITY OF BATH31780 SWITHLAND HALL BR GREEN LATE	£119.0
,	31781 FOREMARKE HALL BR BLACK EARLY	£106.2
,	31782 THIRLESTAINE HALL BR LATE WEATHERED	£114.7
)	31783 FOUNTAINS HALL BR BLACK EARLY WEATHERED	£114.7
)	31-880 LMS 4F	£76.5
)	31781 FORBMARK HALL BR BLACK KARLY 31782 THIRLESTAINE HALL BR LATE WEATHERED 31783 FOUNTAINS HALL BR BLACK EARLY WEATHERED 31-880 LING 4F. 31-881 4F BR EARLY TENDER LOCO	£76.5
)		



60 50 70 00 95 95 50	31-965 A4 WILD SWAN. 31-990 BR STD 3MT GREEN WEATHERED. 31-990 BR STD 3MT BLOCK EARLY 31-995 LMS 10000 GREEN WITH ORANGE LINING. 31-995 LMS 10000 GREEN WITH ORANGE LINING. 31-995 LMS 10000 DEEDN WITH YELLOW PANELS. 31-995 LMS 10000 DEEDN WITH YELLOW PANELS. 32-964 CLASS 20 GREEN 20141 32-046 CLASS 20 RAULFREIGHT. 32-046 CLASS 34 WARSHIP MAROON. 32-066 CLASS 43 WARSHIP MAROON.	£96.50 £88.80 £85.90 £85.90 £85.90 £85.00 £81.50 £103.50
95	32-034 CLASS 20 GREEN 20141	£85.00 £81.50
95	32-065 CLASS 43 WARSHIP MAROON	£103.50
50 50	32-067 CL 43 WARSHIP BLUE	£66.50
50 50	32-085 CLASS 56XX BR BLACK	



32-154A BR/SR N CLASS	£79.95
32-480DS CL 40 MAURETANIA BR GREEN SOUND	£184.50
32-516A BR DERBY LIGHT WITH SPEED WHISK	£107.95
32-526DS CLASS 55 BR BLUE SOUND	£169.00



32-815 CLASS 47 INTER CITY SWALLOW	£68.50
32-925 CL 150/1 2 CAR FIRST NORTH WESTERN	£73.25
35-075 E4 LBSC	£84.95
35-077 E4 BR BLACK EARLY	£84.95
35-078 E4 BR BLACK LATE	£98.95
36-165A PLASSER TAMPER MOTORISED 00	£58.00







NO 23 GWR WATER CRANE £7.15



NO 4 MIDLAND WATER CRANE £7.35



NO 24 LNWR WATER CRANE £7.45



NO 34 LSWR WATER CRANE £6.50



NO 155 BR STANDARD WATER CRANE £7.35



NO 88 LMS AND LNWR PATTERN £5.95



NO 80 I SWR - MIDI AND - I RSC - GNR & NER PATTERN \$5 95 WATER CRANES

£6.95 £7.35 ...£7.15

£7.35 £8.35

...£7.35

...£6.25

£6.50 ...£7.15

£7 45

...£7.90 ...£7.90

£6.50

...£7.35

£5.95

...£5.95 £5.95 £5 95

...£7.55 ...£14.95

_	3 NORTH EASTERN
	4 MIDLAND
	6 GWR CRANKED PLATFORM MOUNT
	8 LANCS AND YORKS
	11 GREAT CENTRAL
	12 LONDON . TILBURY & SOUTHEND
	14 SOMERSET AND DORSET PLATFORM MOUNT
	15 SOMERSET AND DORSET FLOOR
	23 GWR WATER CRANE FLOOR MOUNT
	24 LNWR
	26 GREAT NORTHERN FLOOR
	29 NORTH EASTERN PLATFORM
	34 LSWR
	155 BR STANDARD

OND O NED DA	
OND A HED DAY	
- GNR & NER PAT	TER
ARD CRA	171
	ARD CRA



00 BUFFER STOPS



NO 37 GWR YARD CRANE £11.55



NOS 122 HEAVY YARD CRANE £14.50

OO MISCELLANEOUS 89 FIRE BUCKETS AND HANGER. £5.25 £5.25



R3204 M7 LSWR LINED GREEN NRM £121.50



31-726 GWR 37XX CITY OF RATH £99 00



31-880 LMS 4F £76.50 ALSO AVAILABLE 31881 BR EARLY £76.50



32066 WARSHIP GREEN £103.50 ALSO AVAILABLE 32065 CLASS 43 WARSHIP MAROON £103.50 AND 32067 CL 43 WARSHIP BLUE £103.50



32-816 CLASS 47 DIAMOND JUBILEE RAILFREIGHT £68.50



R2881 I MS BLACK FIVE \$55.00



31-635 GWR 64XX £69.65 31-637 RR LINED GREEN \$69.65



35075 E4 LBSC OCHRE £84.95 35077 E4 BR BLACK EARLY £84.95 35078 E4 BR BLACK LATE £84.95



32-817 CLASS 47 RES LIVERY £68.50



HORBY R3184 MOTORISED BRIGHTON BELLE £105.00

POSTAGE £4.95 ANY NUMBER OF

ITEMS.
SPECIAL 24 HOUR SERVICE
FROM £9.95. EXPORT AT COST ALL PRICES INCLUDE VAT



Welcome to our project update feature, with the latest status of forthcoming releases from all major manufacturers. Use it to see the progress of projects you are interested in. The web address in the "link" column to can be used to view products online, and to place your preorders.

0151 733 3655

364-368 Smithdown Road Liverpool, L15 5AN

Phone opening times

Mon to Fri 7am-8.30pm Mon to Sat 9am-5pm

Sat 7am-6pm Sun 10am-4pm

Sun 9am-5pm

CANCEL III	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 43 NBL Warship	ehattons.com/c43	£118.96	Mar 2013							
Hawksworth Autocoaches	ehattons.com/hac	£58.61	Mar 2013							
Wickham trolley car	ehattons.com/wtc	£67.96	Mar 2013							
Class 90 Electric	ehattons.com/c90	£119.00 (EST)	Mar 2015							
LNWR Webb coal tank	ehattons.com/wct	£102.00 (EST)	Sep 2014							

Birdcage coaches, Class 24/1, J72, 6P, V2, 3F, J39, K3, 94xx, H2 Atlantic - view these projects at www.ehattons.com/projectupdates

	dapol	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	On Board Ship	Released
	Class 73	ehattons.com/c73	£105.00	March 2012						
	Class 68	ehattons.com/c68	TBC	April 2014						
•	OWD D. II OL. D4 ID4	COLT COL				distant.				

GWR Railcar, Class B4, IDA flat, Turbot - view these projects at www.ehattons.com/projectupdates

DJ	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	 In production	On Board Ship	Released
J94	ehattons.com/j94	£82.00	Aug 2014						
14xx	ehattons.com/14xx	£99.00	Sep 2014	Feb 2015					
Hatton's King	ehattons.com/king	£169.00- £179.00	Aug 2014	Nov 2014					

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 05	ehattons.com/c05	£100.00	Jun 2013							
Metropolitan Bo-Bo	ehattons.com/mbb	£107.00	May 2014							
Class 02 Tango	ehattons.com/02	£148.00	Nov 2013							

Class 1366 - view these projects at www.ehattons.com/projectupdates

(HORNBY)	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 9f Crosti-boiler	ehattons.com/9fcb	£111.20	Dec 2013							
Class S15	ehattons.com/s15	£124.99	Dec 2014							
D16	ehattons.com/d16	£101.90	Dec 2103							
King	ehattons.com/horking	£148.14 - £179.99	Dec 2014							
Hornby Adams Radial	ehattons.com/horar	£111.10	Dec 2014							
Class J50	ehattons.com/j50	£74.06	Dec 2014							\1
Merchant Navy	ehattons.com/mn	TBC	Mar 2015							

ollett coaches, SR Maunsell Coaches, Class 71 - view these projects at www.ehattons.com/projectupdates

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	In production	On Board Ship	Released
7 plank wagons	ehattons.com/oxcw	£9.00	Jan 2015						
Adam's Radial	ehattons.com/ar	£88.00	Jan 2015						
Hatton's ICI hopper	ehattons.com/ici	£24.00 / £25.00	Mar 2015						

Shows the stage the project is at based on the information available to us. CAD: Computer Aided Design. 1st EP: First Engineering Prototype. TBC: Price is yet To Be Confirmed (EST): Price is estimated.

You can view extended lists, preorder & comment on all of these projects at

www.ehattons.com/projectupdates

Information correct at the time of going to press. All information subject to change



Tel: 0151 733 3655 info@ehattons.com NEW OPENING HOURS 364-368 Smithdown Road, Liverpool, L15 5AN

Phones (from 2nd Sep 2015): Mon-Fri 7am to 8:30pm Sat 7am to 6pm Sun 9am to 5pm Shop: Mon - Sat 9am to 5pm Sun 10am to 4pm

16,000+ items available on www.ehattons.com

OO Gauge (1:76 Scale)

Steam locos



R3302 '1940: Return from Dunkirk' 75th Anniversary Train Pack 700 class 0-6-0 325 in Southern black 3 Maunsell coaches in Southern green - Ltd Ed (Hor) £231.47



31-931 Class 1000 Midland Compound 4-4-0 1189 in LMS





31-933 Class 1000 Midland Compound 4-4-0 41157 in BR lined black late crest (Bac) (list £139.95)BARGAIN...£89 32-828 Class 2MT Ivatt 2-6-0 46526 BR lined green late crest

32-828A Class ZMI I Vatt 2-0-1 495-26 BH lined green late cress - £110.45
weathered (Ban)
31-127 Class 30xx 2-8-0 ROD 3023 in BR black early emblem (Bac)
(list £129.95) ABARGAIN £88





R3169 Class 4900 4-6-0 Hall 5972 'Olton Hall' in GWR (Railroad range). New tooling for 2013 (Hor)......£67



31-881 Class 4F 0-6-0 43875 in BR black early emblem and Johnson/Deeley tender (Bac). £84.96 R3276 Class 4P Compound 4-4-0 1072 LMS black Fowler tender-£69.50





32-085 Class 56XX 0-6-2 6639 in BR black early£76.46





31-188 Class 5XP Jubilee 4-6-0 45565 'Victoria' in BR lined green late crest - weathered (Bac)......£127.46 31-783 Class 6959 Modified Hall 7904 "Fountains Hall" in BR black early emblem - weathered (Bac) £114.71





R3240 Class 700 0-6-0 30693 in BR early crest (Hor)£101.90



R3304 Class 700 Black Motor 0-6-0 30316 in BR black



£120.50



31-013 Class 7F 2-8-0 S&DJR 53808 in BR black late crest & Deeley tender (Bac) (list £134.95) ...BARGAIN....£89



R3221 Class 8P Duchess 4-6-2 46233 "Duchess Of Sutherland" in BR green early crest & Mk1 support coach in BR maroon (Hor)£157.60



R3195 Class 8P Duchess 4-6-2 46247 'City Of Liverpool'£119



R3274 Class 9F 2-10-0 92023 Crosti boiler in BR black late crest - Railroad range (Hor) NEW£111.20



R3273 Class 9F 2-10-0 92027 Crosti boiler in BR early emblem - Railroad range (Hor) NEW. £111.20 R3297X RailRoad LMS 0-6-0T '16440' Jinty Class 3F 82096 motor flywheel (Railroad range) (Hor) (ist £82.49)BARGAIN. £64





32-550B^ Class A1 4-6-2 60163 "Tornado" in BR lined Brunswick green (Bac) (list £159.95) . .BARGAIN. £95



R3245TTS Class A1 Peppercorn 4-6-2 "Tornado" in BR R3239 Class 700 0-6-0 30315 in BR late crest (Hor)£101.90 Blue (as running on mainline) - TTS Sound (Hor). £143.70



R3132 Class A3 4-6-2 2599 "Book Law" in LNER green (Hor) ... £ R3280 Class A4 4-6-2 4496 "Golden Shuttle" in LNER Garter blue £141.80



early emblem (Bac). . .





green (as preserved) (Bac) . . .



35-075 Class E4 Brighton tank 0-6-2 579 in LB & SCR
 umber (Bac).
 £93.46

 31-320DC Class J11 Robinson (GCR 9J) 64325 BR black late crest. DCC



32-154A Class N 2-6-0 31404 in BR lined black late crest weathered (Bac) (list £134.95)



R3227 Class O1 2-8-0 63663 in BR black late crest (Hor) £121.60 31-0012 Class O4 2-8-0 Robinson RDD 63743 (shed 96) in BR black late crest - weathered. Ltb Edition of \$15 (Bac) (list £148.79]BRAGAIN. £119 R3208 Class V Schools 4-4-0 30915 'Brighton' in BR black early emblem & tender (Hor) (list £139.99). BARGAIN. £105 R3194 Class V Schools 4-4-0 30937 'Epsom' BR black early emblem (Hor) £112







31-981 Standard Class 3MT tank 82021 in BR lined black early emblem (Bac) £101.96



32-954 Standard class 4MT 2-6-0 76058 in BR lined black early emblem (Bac) (list £119.95)



32-955 Standard class 4MT 2-6-0 76109 in BR lined black late crest (Bac) (list £119.95) BARGAIN . . £72.50



32-508 Standard Class 5MT 73049 in BR lined green late crest & BR1 tender (Bac) (list £129.95) BARGAIN.....£82



32-509 Standard class 5MT 73109 in BR lined black early emblem and BR1B tender (Bac) (list £129.95)BARGAIN £89



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

Train packs 30-325 Ambulance Train No.40 Train Pack GWR Class 3700 No.3711
'City of Birmingham' in WWI khaki, 3 x coaches in olive green & 5 x WWI
figures (Bad).
30-373 The Railway Children Train Pack GWR 57xx Pannier in GNSR 2
GNSR Coaches & Scenecraft Cakworth Station Building (Bac), 2114.71

Diesel locos



10001HAP~ 10001 BR Brunswick green orange, black & orange lining. Aug 1956 - Oct 1957. (Dap) (list £105) BARGAIN. £94 31-366 Class 03 0-6-0 diesel shunter D2016 in BR Green (Bac). . . £70.51



31-364 Class 03 0-6-0 diesel shunter D2383 in BR green £76.46



2503 Class 05 Hunslet shunter "C wasp stripes (industrial) (Hel)... er "Cider Queen" in green



£44.99 2523 Class 05 Hunslet shunter "Departmental 88" in BR green wasp stripes (Hel)









31-588 Class 70 PowerHaul diesel 70005 in Freightliner - weathered (Bac).....£127.46



2501 Class 05 Hunslet shunter D2578 in BR green wasp stripes (preserved) (Hel) £100



2502 Class 05 Hunslet shunter D2581 in BR green wasp£100





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



2521 Class 05 Hunslet shunter D2600 BR green wasp stripes (Hel). £100 1405 Class 14 "Teddy Bear" (ex British Rail Green) Blue Circle Cement (ex D9526) (Weathered). (Hel) (list £115) BARGAIN £75



1600 Class 16 North British diesel D8400 BR green grey roof. Ltd Ed of 750 pcs (Hel) (list £134.95)BARGAIN . .£72



1601 Class 16 North British diesel D8401 BR green



1605 Class 16 North British diesel D8405 BR green small yellow warning panels. Weathered. Ltd Ed of 750 (general release) (Hel) (list £144.95) ... BARGAIN. ... £



1603 Class 16 North British diesel D8407 BR green with full yellow ends. Ltd Ed of 750 (general release) (Hel) (list £134.95). BARGAIN. £72 1604 Class 16 North British diesel D8409 BR green grey roof. Gloss finish. Ltd Ed of 750 (general release) (Hel) (list £134.95)BARGAIN . £72



32-038DS Class 20 20124 in BR blue wtih indicator discs - weathered. DCC Sound (Bac).....£195.46



20141 in BR green full yellow ends - £97.71



.. £93.46





4D-012-002 Class 22 B-B Diesel Hydraulic D6327 in BR Green. Amended yellow panels and disc headcode box (Dap)...£103 D1000h Class 22 B-B Diesel Hydraulic D6328 (Iont A) BR blue full yellow ends (Dap) ...£104





2308^ Class 23 Baby Deltic diesel D5900 in BR Green large yellow ends. (Hel) (list £119.95) .BARGAIN. ... £72 2608 Class £61 diesel D539 in BR green small yellow panels (Hel). £87 2609 Class £6/1 diesel D5341 in BR green small yellow panels (Hel). £87



2800^- Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125)... BARGAIN... £30 2807^- Class 28 Co-Bo Diesel D5711 in Full BR Green modified windows. (Hel) (list £126)... BARGAIN ... £39 2810^* Class 28 Co-Bo Diesel D5714 Full BR Green - modified windows (Hel) (list £126)... BARGAIN ... £39 2010* Class 20 Co-bo Diesei D3/14 Full BR Green - modilied W (Hel) (list £125). BARGAIN. R3275 Class 31 31144 in Civil engineers 'Dutch' grey and yellow Railroad range (Hor).



roundels (Hel). £95 3519 Class 35 Hymek D7064 in BR blue small yellow warning panels (Hel) . £94



32-786 Class 37/0 37174 in EWS domino headcode 32-700 class 37/0 37/14 III EWS domino neadcode-weathered (Bac) NEW ... £106.21 R3272 Class 67 67006 'Royal Sovereign' (Hor) (list £139.99) ... BARGAIN ... £110 (Rist £139.99) ... BARGAIN ... £110 (Rist £139.99) ... BARGAIN ... £129.62





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











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













4005~ Lion Diesel loco D0260 in white 5 gold stripes (HeI) (list £129.95) BARGAIN. . . . £70 **Electric locos**







32-816 Class 47/3 47365 'Diamond Jubilee' BR Railfreight Distribution (Bac) (list £114.95)....BARGAIN....£72 in London Transport (as preserved at the London Transport museum) (HeI) NEW.....£107



9003 Metropolitan Bo-Bo electric 8 "Sherlock Holmes" in London Transport (Hel) NEW £107 **HSTs**



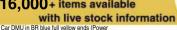




Visit

www.ehattons.com/mr

16,000+ items available





32-906 Class 108 2 Car DMU in BR green half yellow ends (Bac) (list £139.95)......BARGAIN..£72.50



32-905^ Class 108 2-car DMU in BR blue & grey full yellow ends (Bac) (list £139.95). BARGAIN. . £72.50



32-912 Class 108 3 Car DMU in BR blue full yellow ends (Bac) (list £169.95)......BARGAIN....£86



8942 Class 128 DPU in BR blue - weathered M55995 (Hel)

 (list £129.95)
 BARGAIN
 £69

 8990 Class 128 DPU BR green speed whiskers and Midland style fronts

 M55987 (Hel)
 £94



. .£69





8752 Park Royal Railbus M79971 in BR green speed



8753 Park Royal Railbus M79972 in BR green small



8750 Park Royal Railbus SC79970 in BR green speed whiskers (Hel).....



8751 Park Royal Railbus SC79974 in BR green small yellow warning panels (Hel)





8802 Railcar W79977 in BR dark green small vellow warning panels & white cab roofs (Hel)£94





EMUS

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



31-030^ Class 350/1 Desiro 4 Car EMU 350 111 "Apollo" in Silver Link (unbranded) (Bac) (list £189.95)BARGAIN..£99



31-032 Class 350/1 Desiro 4-Car EMU 350 102 in London Midland (Bac) (list £189.95) BARGAIN . . . £116



31-031 Class 350/2 Desiro 4 Car EMU 350 238 in London Midland (Bac) (list £189.95) ... BARGAIN ... £118 R3185 Class 395 Juvelin 4 car EMU 5'ir Chris Hoy' in Southeastern (Hor) £132 R3259 Class 401 2-BIL 2 car EMU in BR blue - As preserved at the NHM (Hor) (list £130.25) ... BARGAIN ... £74



£69





31-265 Class 419 Motor Luggage Van (MLV) in BR Southern Region green (Bac) (list £104.95)BARGAIN .£64



31-266 Class 419 Motor Luggage Van (MLV) in BR Southern Region green yellow panel (Bac) (list £104.95)BARGAIN. £64 **Track Maintenance vehicles**





30-077 Midnight Metropolitan 32-217 style London Transport maroon pannier (different number to 30-076 version) (Bac) £89.24 30-160 Rural Commuter set Class 105 2 car DMU BR green small yellow panels (Bac).

Train sets - DCC

Coaches

R4672 RailRoad SR 4 Wheel Coach (Hor)





R4648 BR Gresley Suburban First Class Coach,
Maroon (Hor) NEW . 237.27
R4650 BR Gresley Suburban Third Class Brake Coach, Maroon (Hor) . 327.27
R4650 BR Gresley Suburban Third Class Coach, Maroon (Hor) . 327.27
R4619 BR Maroon Mkt BG full brake/parcels coach (Hor) . 327.27
R4619 BR Maroon Mkt BG full brake/parcels coach (Hor) (its 124.99)
BARGAIN . £19
R4643 BR maroon Mkt SO second open (Hor) (its 124.99)BARGAIN £19
R4621 BR maroon Mkt TSD tourist second open (Hor) (its 124.99)BARGAIN £19
39-226E BR Mkt BCK Brake Composite Corndor Maroon Weathered (Bac)



39-320A BR Mk1 BSP Pullman bar 2nd 'The Hadrian Ba (with lighting) (Bac) (list £48.95) BARGAIN. . . . £26 39-126G BR Mk1 CK Composite Corridor Maroon Weathered (Bac) . . . £33.96



.274 39-274A Pack of 4 BR Mk1 GUV InterCity Motorail Blue & Grey - Weathered - NXA E93736 (Bac) (list £159.80)BARGAIN ... £80 39-274A Single (Bac) (list £39.95) ... BARGAIN ... £21



R4646 BR Mk1 Parcels Coach 'Express Parcels' (Hor)



..£72 R4642A BR MK1 Parcels Coach, Chocolate & Cream (Hor)
NEW . £23.14
39-426 BR MK1 POS Post Office Sorting Van BR Blue & Grey
(+Nets) (Bac) . £46.72



39-300C BR Mk1 SK Pullman Second Kitchen in Umber & Cream 'Car 335' (With Lighting) (Bac) (list £48.95)BARGAIN . £26 39-9526 BR Mk1 SO Second Open Crimson & Cream (Bac) . . £33.11 39-311A BR Mk1 SP Pullman Second Parlour Grey & Biue (With Lighting) (Bac) (list £48.95) BARGAIN . £26 ighting) (Bac) (list £48.95)



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





R4618A BR Mk2E Standard Open Brake Coach (Hor)

1 Canadar 57 Composite Coach (Hor)

1 Canadar 57 Composite Coach (Hor)

1 Canadar 57 Composite Coach (Hor)

1 Canada (Hor)

1 NEW
R4638 BR Non-Corridor 57 Composite Coach (Hor).
R4678 BR Non-Corridor 57 Third Class Brake Coach (Hor).
R4678 AB Non-Corridor 57 Third Class Brake Coach (Hor).
R4659 BR Non-Corridor 57 Third Class Coach (Hor).
R4651 BR Thompson Suburban (Lavatory) Composite Coach,
Marcon (Hor).
R4651 BD Schenker DVT 82146 (Hor) NEW.
R4655 DB Schenker DVT 82146 (Hor) NEW. £37.27



39-465 LMS 60 ft Porthole Corridor Composite in BR£33.96



R4656 LMS Non-Corridor 57' Composite Coach (Hor) £37.27 R4677A LMS Non-Corridor 57' Third Class Brake Coach (Hor) ... £37.27 R4857 LMS Non-Corridor 57' Third Class Coach (Hor) ... £37.27 R4352 LMS LBSK brake corridor second BR marrom. New tooling for

2013 (Hor) . Standard curriour Secono BH maroon. New boiling for 2013 (Hor) . 17. R4350 Mkt CK comidor composite BR maroon. New boiling for 2013 (Hor) . 17. R4351 Mkt SK comidor second in BR maroon. New tooling for 2013 (Hor) . 17. 34-326A Period III 50th parcels van in BR crimson & cream (Bac) . 122.91 R4632 Pullman First Class Skriben Car - K-Type Pullman Car (Hor) . 146.29 R4664 Pullman First Class Pardour Car - K-Type Pullman Car (Hor) 146.29 R4662 Pullman Third Class Brake Parlour Car - K-Type Pullman Car (Hor) 146.29





R4661 Pullman Third Class Parlour Car - K-Type Pullman
 Car (Hor)
 £46

 MM1701, MM1702 & MM1703 RPSI Mk2 coaches - FK, TSO & BSO

 Pack of 3 (Mur) (list £99)
 BARGAIN



76IRZ005 Scania Irizar PB White (Oxf) NEW £16 Wagons



R6721 RailRoad LWB Open Wagon 'D.R. Llewellyn' (Hor)
NEW £6.94



R6722 RailRoad LWB Open Wagon 'LMS' (Hor) NEW . £6.94



38-502 Megapack of 8 'Covhop' covered hopper in British Industrial Sand bauxite & black (Bac) (list £183.60)BARGAIN £126 29-502 Sinnia (Bac) £18.28 | IROUSIVIEI Oan December 238-502 Single (Bac) | 38-502 Single (Bac) | 38-502 Pack of 4 (Bac) (list £91.80) | BARGAIN 37-479 1 plank wagon in BP bauxite (Late) (Bac) | 38-116 100 Ton TEA Bogie Tank Wagon 'Aviation Fuel' (Bac) BARGAIN £8.46 £35.66



BARGAIN

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

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

Cream (Hor) NEW ...£31.83

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

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

School Fack of 4 100 tonne HHA bogie hopper wagon in Freightliner Heavy Haul sliding end door (Bac) (list £159.80) ...BARGAIN £135.83

School Fack of 4 100 tonne HHA bogie hopper wagon in Freightliner Heavy Haul sliding end door (Bac) (list £159.80) ...BARGAIN £135.83

School Fack of 4 100 tonne HHA bogie hopper wagon in Freightliner Heavy Haul sliding end door (Bac) (list £159.80) ...BARGAIN £135.83



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

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



37-628B Megapack of 8 102 Tonne GLW Thrall BRA steel strip carrier in EWS - weathered (Bac) (list £239.60)BARGAIN .£143 37-628B Single (Bac) (list £29.95) BARGAIN .£143 37-628B Pack of 4 (Bac) (list £119.80) BARGAIN .£74 37-628B Pack of 4 (Bac) (list £119.80) BARGAIN .£74 37-628B 16 ton steel mineral wagon without top flap doors in BR grey-weathered (Bac) .£12.71 37-537D 20 Ton Brake Van BR Bauxite (Late) - Weathered (Bac) .£20.83 37-831 20 ton brake Van in BR Bauxite (Late) - Weathered (Bac) .£20.83 38-602 £17 ton Grain Hopper BR Grey (TOPS) (Bac) .£19.51 38-801 £1 Ton Grain Hopper BR Grey (TOPS) (Bac) .£19.51 38-270A £2 ton Presfol in Blue Crisle Rallfreight brown (Bac) .£20 38-270A £0 4 (Bac) .£20 880



38-146 29 ton VDA sliding door box van in BR Civil Link -
 weathered (Bac) NEW
 251.21

 38-041B 31 Tonne OBA open wagon in Railfreight (Bac)
 £16.3

 38-041B Pack of (Bac) (Bis 27.80)
 BARGAIN
 £90

 38-041B Pack of (Bac) (Bis £175.60)
 BARGAIN
 £116







37-603A Megapack of 8 46 Tonne glw VGA sliding wall van in EWS - weathered (Bac) (list £175.60)BARGAIN£122 37-603A Single (Bac) (list £21.95) BARGAIN £167-7603A Pack of 4 (Bac) (list £87.60) BARGAIN £62 37-063A 5 plank wagon wooden floor Edwin W. Badland (Bac) (list £12.95) BARGAIN £62 37-063A 5 plank wagon wooden floor Edwin W. Badland (Bac) (its £12.95) BARGAIN £737-0816 Palak end door wagon in North End (Bac) (its £12.95) BARGAIN £737-0816 F plank end door wagon in BR grey (Bac) £12.12 37-0854 P plank end door wagon in North End (Bac) (its £14.25)BARGAIN £7



37-082A Pack of 4 7 plank end door wagon in Park Lane
Wigan (Bac) (list £57) BARGAIN £27
37-082A Single (Bac) (list £14.25) BARGAIN £7
37-187 7 plank wagon coke ralls *T. L. Hale (Tipton) Ltd* (Bac)
(list £14.25) BARGAIN £8



38-151B^ Megapack of 8 80 Tonne glw BDA bogie bolster wagon in Railfreight (Bac) (list £191.60)BARGAIN. £106 38-151B^ Single (Bac) (list £23.95) BARGAIN £14 38-151B^ Pack of 4 (Bac) (list £25.80) BARGAIN £54





38-427 Megapack of 8 Bulk grain bogie hopper in 'Traffic Services Limited' (Bac) (list £479.60). .BARGAIN ... £330 38-427 Single (Bac) ... £46.71 R8247 DCC accessor 38-427 Pack of (Bac) (list £239.80) ... BARGAIN ... £172 motors) (Hor).



38-350A Pack of 4 BZA steel carrier steel coils in EWS (Bac) (list £103.80) BARGAIN.
38-350A Single (Bac) (list £25.95) BARGAIN 4F-016-010 Fiftes banana van in brown (Dap).
4F-016-010 Fyffes banana van in yellow - weathered (Dap)...



37-314 Pack of 4 Intermodal bogie wagon 2 x 45ft containers in Safmarine (Bac) (list £199.80)BARGAIN £108 37-314 Single (Bac) (list £49.95) BARGAIN £29 38-212A JJA auto ballaster in Railtrack curved top profile (4 per rake each Generator wagon) (Bac) £24.8 da 38-212A Pack of 4 (Bac) (list £199.80) BARGAIN £150



38-200A Megapack of 8 JPA bogie cement hopper "VTG-Lafarge Cement" (Bac) (list £287.60) . BARGAIN . . £166 82-200A Single (Bac) (list £595) . BARGAIN . £22 83-200A Pack of 4 (Bac) (list £143.80) . BARGAIN . £85 37-672 Pack of 3 14 Ton lank wagons in British Tar - weathered (Bac) (list £46.95) . BARGAIN . £28 r - weathered (Bac) BARGAIN



37-671 Pack of 3 14 Ton tank wagons in Fina weathered (Bac) (list £46.95)......BARGAIN....£28 38-652 PCA Metalair Bulk Powder Wagon Grey - weathered (Bac) £15.26



R8012 HM2000 High output power & speed controller, mains supply. (Hor) .£74
36-560 Plug in 0.7 Amp transformer seperate speed controller, track connector wires & power clip (Bac)£25.54 DCC decoders

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



DCR-21PIN-Direct Box of 10 21-pin 4-function 1.1Amr direct plug decoder back E DCR-21PIN-Direct Single (Hat) ... DCR-21PIN-Direct Box of 5 (Hat) ... 36-557 21-pin E-Z Command 4-funct er back EMF (Hat).....



R8249 Box of 6 8-pin 4-function 2-sided 0.5A (1A peak) decoder (Hor) R8249 Single (Hor).



DCC accessory decoders



PC2 One Touch DCC Quad Point Controller x 4 (Tra). £32 DCC controllers R8235 DCC Select Walkabout R8236 RJ12 connecting lead (Hor)....£63



36-500 EZ Command DCC controller - boxed (Bac) £76.46
36-504 EZ Command Dynamis Ultima DCC system (Bac) £250.71 **DCC** accessories

R8239 Power and Signal Booster - can be used any DCC controlled



R8243 Surface Mounted point motor (Hor) £7

ACCESSOFIES

SFX20 Diesel loos osund capsule (with built in battery, speaker & motion detector) (Tra).

SFX10 Diesel loos osund capsule (with built in battery, speaker & motion detector) (Tra).

486Ratio GWR Round Post (Rat) NEW

SFX10 Steam loos sound capsule (with built battery, speaker & motion detector) (Tra).

4874 Stagnard Steam Loos (Rat) NEW

STX10 Steam loos cosund capsule (with built battery, speaker & motion detector) (Rat)

R406 Straigfi Platform (Hor)

R406 Straigfi Platform (Hor)

R406 Straigfi Platform (Hor) detector) (Tra).
488Ratio GWR Round Post (Rat) NEW.
57X10 Steam loco sound capsule (with built battery, speaker & motion detector) (Tra). .£37 Cables & Wires PL-80 Power feed joiners - Code 100/124 (x4 pairs) (Pec) £5.50

Spares



CHARLES LINE



wneel sets
R8218 14.1 mm coach wheels (pack of 10) (Hor)
R8264 14.1mm 2 hole coach wheels (pack of 10) (Hor)
36-008A Pair of Commonwealth coach bogies (Bac) £5
Buildings - railways
GM407 *Fordhampton Carriage Platforms (Gau) NEW £9
GM406 *Fordhampton Locomotive Denot (Gau) NFW \$18

GMM01 Frontianplon Locomotive Depot (Gau) NEW

MM040 Frontiamplon Locomotive Depot (Gau) NEW

P0213 2 Road Red Brick Engine Shed & Workshop Building (Card

£12.50

44-570 Quayside Corners (Bac) NEW. Kit) (Met). 44-086^ Ash Plant (based on Carnforth, Lancashire) (Bac) (list £79.95). BARGAIN



 44-574 Colour Light Signals (Bac) NEW.
 £11.86

 R8006 Diesel maintenance depot (Hor)
 £22

 LK-20X Double length overall archet station roof (Pec)
 £20

 44-128 Fuelling Point Pump House (164 x 72 x 37mm) (Bac)
 £25.46
 LK-56 Loco inspection pit for normal code 100 track (Pec)



| Harry Osliming State (170 x 115 x 100/min) | Harry (list £39.95) | BARG | R8009 Station Terminus (London Road) (Hor). | LK-80 Train Shed Unit (Pec) | Harry (Pec) | Harr

Man-made scenic structure - railwayrelated



89121 21.5 metre (90ft) Motorised turntable - ready for installation. Upgraded 89111. For HO/OO scales. DCC ready (Hel)...........£192 36-047 Locomotive staff x 6 (Bac)......£6.21 36-044 Station passengers standing x 6 (Bac).....£6.21





R070 Electrically Operated Turntable (Hor) £59



£11 £12 £1.50 £10.50 £3.50 **Signals**



Buildings - general

GM405 'Fordhampton 1960s Three Bedroom House Kit (Gau) NEW... £14.50 GM408 'Fordhampton Village Stores/Public House (Gau) NEW...£16.50









44-0020 The Jackdaw Pub (Bac) NEW Man-made scenic structure - non-railway



44-0018 Small water tower (Bac) NEW **Bridges, Tunnels & Walls** 44-225 Low Relief Retaining Walls (168 x 10 x 85mm) (Bac)



People - civil Unpainted Figure Starter Set (72) (Noc) NEW



Looking for past products?

www.ehattons.com/latestpreowned



Frack - Code 100 Setrack
ST-245 Setrack curved double radius left handed point insulfrog (Pec)£14
ST-244 Setrack curved double radius right handed point insulfrog (Pec) £14
ST-201 Setrack double straight (Pec)£2
ST-241 Setrack No.2 radius left handed point insulfrog (Pec) £9
ST-240 Setrack No.2 radius right handed point insulfrog (Pec) £9
ST-204 Setrack Quad Straight (Pec) £3.50
ST-204 Box of 24 (Pec)
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)
SL-102 1 yard (91.5cm) length of Nickle Silver concrete-sleeper flexible
track (Pec)
SL-102 Pack of 25 (Pec) £70 SL-E99 3 way medium radius point electrofrog (Pec) £25
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) £1	2.50
SL-E87 Left hand curved point electrofrog (Pec) £1	2.50
SL-E89 Left hand large point electrofrog (Pec)	£12
SL-89 Left hand large point insulfrog (Pec)	£12
SL-89 Left hand large point insulfrog (Pec)	£10



SL-E96 Left hand medium point electrofrog (Pec) £10
SL-92 Left hand small point (Pec) £9.50
SL-E92 Left hand small point electrofrog (Pec) £9.50
SL-86 Right hand curved point (Pec)£12.50
SL-E86 Right hand curved point electrofrog (Pec)£12.50
SL-E86 Říght hand curved point electrofrog (Pec). £12.50 SL-88 Right hand large point insulfrog (Pec). £12
-1-



SL-95 Right hand medium point (Pec)	610
SL-E95 Right hand medium point electrofrog (Pec)	£10
SL-91 Right hand small point (Pec)	£9.50
Track - Code 75 FineScale Streamlin	е



Silver Finescale Tiexxine track (rec.)
S.L-109F Single (Pec).
S.L-1993 way finescale medium radius point electrofrog (Pec).
S.L-1993 way finescale medium radius point electrofrog (Pec).
S.L-1939 Finescale double slip electrofrog (code 75 Rail) (Pec).
S.L-1939 Finescale left hand large point electrofrog (Pec).
S.L-1938 Finescale left hand medium point electrofrog (Pec).
S.L-1935 Finescale right hand large point electrofrog (Pec).
S.L-1935 Finescale right hand medium point electrofrog (Pec).

Track & Points
R605 1st radius double curve (8 make a circle) (Hor) £2.50 R605 Circle of 8 (Hor) £15 R607 2nd radius double curve track (8 make a circle) (Hor) £2.25 R607 Circle of 8 (Hor) £18



R609 Circle of 8 3rd radius double curve track (8 make a circle) (Hor)
R609 Single (Hor)£3
36-621 914mm length of flexi-track (Bac) NEW £2.68
R8262 Double 4th radius curve (8 make a circle) (Hor) £3
R601 Double Straight (Hor)£2.25
R601 Box of 24 (Hor) £49
R8074 Left hand curved point (Hor) £14.40
R8072 Left Hand Standard Point (Hor) £9
36-877 Left-Hand Point (same as Hornby R8077) (Bac) £11.65
36-603 Long straight track nickel silver (same as R603) (Bac) £2.76
36-603 Box of 10 (Bac) (list £34)
R8075 Right hand curved point (Hor). £14.40 R8073 Right Hand Standard Point (Hor). £9
R8073 Right Hand Standard Point (Hor) £9



				ton-a-
R621	Single 970mm length of flexible	track (Hor)		£
R621	Pack of 24 (Hor)			
R600	Standard Straight (Hor)			£1.40
R600	Box of 24 (Hor)			£3:
	Track u	ndarlas	,	

Track underlay
ST1474 24' Of OO/HO Gauge Track Underlay In A Continuous Roll - 5mm
x 1.75 x 24' (Woo)
GM200 5 metres of realistic grey ballasted OO gauge underlay (Gau) .£19
SL-50 Roll of foam track underlay sleeper indentation. Suitable for
Setrack and Streamline 5m long (16' 4") (Pec)
R638 Roll of track foam underlay Approx: 4880mm (16ft) (Hor) £9
Pugge

Duses
35308EFE 6 Bay Leyland Leopard Southdown (EFE) £32.95
23503 Alexander Atlantean - Great Yarmouth Corporation (EFE) £26.50
B114B Bristol Lodekka LD6G - Red & White (147) (Bas) NEW £19.50
B206A Bristol MW6G - United Counties (1X London) (Bas) NEW £17



18617 Bristol VR III Open Top 'Southdown East & Mid
Sussex N.B.C.' (EFE) NEW
18017 Daimler Fleetline 'Bournemouth Corporation' (EFE) £28
22402EFE Leyland Alexander Atlantean 'British Airways' (EFE) £28



25813 Leyland DMS 1 Door 'Wilts & Dorset' (EFE) NEW £28 OM466118 New Routemaster, London United, 10 Kings Cross (Cor). £29.99 25910EFE Plaxton Panorama "Tillings National" (EFE) NEW. £26.50 36712EFE Plaxton SLF Dart 'Norfolk Green' (EFE) NEW. £26.50 4670 Details (15 Dart 7) Dev Mil (Marios South Londor) (EFE) NEW. £26.50

30009 Plaxion SEP Dari 2 Door Min II Arriva South London (EPE) NEW 1,20
Cars
76ASS001 Austin Seven RN in Saloon Fawn (Oxf)£4.75
76FTC001 Ford Transit Connect Royal Mail (Oxf)£4.75 76MBC001 Messerschmitt KR200 Bubble Car in Rouge Sarde (Oxf) £4.45
76MBC001 Messerschmitt KR200 Bubble Car in Rouge Sarde (Oxf) £4.45



76VW025 V Bay Window Camper Colorado (Oxf) NEW .£5



76VWB006 Volkswagen Beetle Beryl Green (Oxf) NEW £4



76VW024 VW Bay Window Bus/Surfboards (Oxf) NEW .£5



76VW023 VW Bay Window Van Arizona Yellow (Oxf) NEW £5 Commercial vehicles



76FTC002 Ford Transit Connect Network Rail (Oxf) NEW £4.75



76S143002 Scania 113 Tipper Reids of Minishant (Oxf) 76SCL003 Scania Crane Lorry Eddie Stobart (Oxf). Military ground vehicles
76QLD001 Bedford QLD Army Fire Service (Oxf)......



Public Service vehicles



76LRC001 Land Rover FT6 Carmichael "Ch Fire Brigade" (Oxf) NEW

ade" (Ox									
Un	dergi	rol	ınc	Ιv	ehi	icl	es		

motorised) (EFE)	
Too	ols
BS-FIX-01 HO/OO Scale Ballast Fixe	

N Gauge

Steam locos



372-313 Class 21C1 Merchant Navy 4-6-2 35021 'New Zealand Line' in BR Malachite green (Gra) £135.96



372-311 Class 21C1 Merchant Navy 4-6-2 35023 'Holland-Afrika Line' BR green early emblem (Gra) £135.96



372-310 Class 21C1 Merchant Navy 4-6-2 35024 'East Asiatic Company' BR blue early emblem (Gra)...£135.96



372-312 Class 21C1 Merchant Navy 4-6-2 35028 'Clan Line' BR green late crest (Gra) £135.96



2S-009-004 Class 2884 2-8-0 3803 in GWR green GWR lettering (Dap)....£105



2S-015-002 Class 2MT Ivatt 2-6-2 in BR black early



372-061 Class 4F 0-6-0 3851 in LMS black Johnson **tender (Gra)**....£93.46 372-062 Class 4F 0-6-0 43875 BR black early emblem & Johnson

Fitted (Dap). 2S-007-009D Class 5700 Pannier 0-6-0 5724 in GWR green 'GWR'

er #4607 in BR black early crest (Dap) . £61



2S-007-011D Class 57xx Pannier 0-6-0 6746 in GWR green shirtbutton emblem - DCC fitted (Dap).....£88





2S-019-001D Class 6800 4-6-0 6820 "Kingstone Grange" in GWR green shirtbutton emblem. DCC Fitted (Dap) NEW



2S-019-005 Class 6800 4-6-0 6837 "Forthampton Grange" in BR lined green early emblem (Dap) NEW £100 2S-001-001 Class 7800 Manor 4-6-0 7801 "Anthony Manor" in GWR green shirbution emblem (Dap) ... £100 2S-001-003 Class 7800 Manor 4-6-0 7805 "Broome Manor" in GWR green GWR lettering (Dap) NEW ... £100 2S-001-000 Class 7800 Manor 4-6-0 7810 "Draycott Manor" in BR lined green late crest (Dap) ... £100 2S-001-000 Class 7800 Manor 4-6-0 7811 "Ditcheat Manor" in BR Mixed Traffic Black Early Crest (Dap) NEW ... £100 ... £100 Traffic Black Early Crest (Dap) NEW . 2S-017-003 Class 7MT Britannia 4-6-2 70015 "Apollo" BR green ea



372-800B Class A1 4-6-2 60163 "Tornado" in BR Express



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



ND129G Class A3 steam loco 2744 "Grand Parade" in LNER apple green (Dap) £99



2S-008-003 Class A4 steam loco 60004 "William in British Railways Garter blue (Dap). . . . £105



2S-008-001 Class A4 steam loco 60012 "Commonwealth 25-008-001 Class A4 steam loco 50012 "Commonwealth of Australia" in BR green early crest (Dap) ... £105 372-079 Class B1 4-6-0 1040 'Roedeer' in LNER lined black (Gra). £110.46 372-400 Class J39-06-0 1866 LNER Lined Black flat slided tender (Gra). £80.71 372-402 Class J99-06-0 4979 B1 black late crest & stepped tender (Gra). £80.71 372-401 Class J39 0-6-0 64960 BR black early emblem & flat slided chorter (Gra).



2S-016-001 Class M7 0-4-4 in Southern Railway green (Dap)



2-6-0 31811 in BR black late crest (Gra) £106.21 6-0 31844 in BR black early emblem (Gra) . . . £106.21 372-932 Cla 372-931 Clas



s N 2-6-0 868 in SR Olive green (Gra) £106.21



Want it DCC fitted?

www.ehattons.com/dccfitting

for more details



372-933 N Class 2-6-0 810 in SECR grey (Gra) ... £106.21 372-186 Princess Coronation Class 4-6-2 46226 "Duchess of Norfolk" in

Train packs



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



370-500 Cumbrian Mountain Express Train Pack Coronation Class 46229 "Duchess of Hamilton" in BR maroon late crest, 3 x Mk1 coaches in blue/grey & Scenecraft "Ais Gill" Signal box (Gra) £131.71



370-400 Longmoor Military Railway Train Pack WD Austerity Class No.400 "Sir Guy Williams" & 3 x Mk1 suburban brake end coaches in LMR blue (Gra). . £118.96 **Diesel locos**

....£76.46 ers (Dap) £98

\$93.46 371-034 Class 20 diesel 20132 in BR Railfreight Red Stripe (Gra) .£89.21



371-033 Class 20 diesel D8011 in BR green small yellow

3/1-1/33 Class 2/0 clesel D30/11 in BH green small yellow panel - weathered (Gra).

10-012-010 Class 2/2 cliesel loco D63/11 in BR green no yellow panels & disch seadoodes (Dap).

106

3/1-112 Class 3/1 cliesel 5/17/3 in BR blue full yellow ends (Gra). £100.26

3/1-111 Class 3/1 cliesel £5/58/6 in BR green small yellow panels (Gra). £100.26

20-018-003 Class 35 Hymek D70/13 in BR green (Dap).

£100.26

20-018-004 Class 35 Hymek D70/24 in BR green - weathered (Dap). £35

20-018-001 Class 35 Hymek D70/16 in BR blue full yellow ends (Dap) £79



371-165 Class 37/4 diesel 37407 'Loch Long' in BR bl



W43047, W43046 & two Mk 3 coaches (coach number

are W41047 and W42069) (Dap).....£135
2D-019-002 Class 43 HST Book Set in First Great Western purple
43177, 43165 & two Mk 3 coaches (Dap)£135



2D-019-004 Class 43 HST Book Set in Intercity Swallow 20-019-004 Class + 3 FG | Good St. II miles | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00

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

2D-007-002D Class 66





ND122J Class 43 HST Book Set in Virgin Trains 43094 &



2D-009-001 Class 121 single car DMU 'Bubble car' W55027 in BR green speed whiskers (Dap).....£90



371-558 Class 158 2 Car DMU 158871 ScotRail (Gra)



1.95)BARGAIN...£100 371-433 Class 170/4 3 Car DMU 170434 in First ScotRail (Gra) (list £164.95) . .

371-702 Class 350/1 Desiro 4 Car EMU 350 101 in London Midland (Gra



371-700[^] Class 350/1 Desiro 4-car EMU 350 111 'Apollo' randed Silverlink (Gra) (list £169.95)BARGAIN Class 350/2 Desiro 4-car EMU 350 238 in London Midland 9.95) BARGAIN

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



372-286 Class 41// Glass 41/ Class 55 diesel "Deltic" 55005 The Prince of Wales' Own
893.46
371-287 Class 55 diesel "Deltic" 55005 The Prince of Wales' Own
893.46
371-286 Class 55 diesel "Deltic" 19002 The King's Own Yorkshire Light
Infantry' in BR green half yellow ends (Gra)
934.66
16 Telescopic steel wagons, Gaugemaster DCC23 decoder
17 Telescopic steel wagons, Gaugemaster DCC23 decoder
18 Telescopic steel wagons, Gaugemaster DCC23 decoder





374-134 BR Mk1 GUV Blue Motorail (Gra) NEW. . . . £24.61





374-680A BR Mk2A BSO Brake Second Open in blue & grey (Gra) NEW. £24.61 374-710A BR Mk2A TSO Tourist Second Open blue & grey (Gra) NEW. £24.61



374-711 BR Mk2A TSO Tourist Second Open in Network South East (Gra) NEW ... £24.61
374-431 Bulleid 63th Semi-open Brake Third BR crimson & cream (Gra). £20.83
2P-000-251 Collett Coach GWR Chocolate & Cream Brake Composite

2P-011-171 Gresley BR Maroon 1st Class E11021E (Dap) NEW.



2P-011-172 Gresley BR Maroon 1st Class E11032E (Dap)





2P-011-071 Gresley BR Maroon 2nd Class E12043E (Dap)



2P-011-271 Gresley BR Maroon Brake E10072E (Dap)

2P-011-272 Gresley BR Maroon Brake E10076E (Dap) NEW....



2P-011-371 Gresley BR Maroon Buffet E9039E (Dap) NEW 220 2P-003-002 GWR B Set Coach Twin Pack GWR Shirtbutton (Dap) . . £20 374-536 Hawksworth 3rd Class Corridor GWR Chocolate & Cream (Gra) NEW . . . £25.46





374-561 Hawksworth Corridor 1st/3rd Composite GWR Chocolate & Cream (Gra) NEW . £25.46 2P-012-301 Maunsell Coach BR 1st Class SR Green 7665 (Dap) NEW . £20.50



374-313 Mk1 57ft Suburban Brake End Blue -Weathered (Gra) NEW



374-292 Mk1 57ft Suburban Second Open Blue -374-130B BR Mk1 GUV Maroon Weathered (Gra) NEW £25.46 Weathered (Gra) NEW £19.98 374-162 Mk1 FK first corridor in green (Gra) (list £28.95)BARGAIN. £14



NIRZ001 Scania Irizar Bus Eireann/Eurolines (Oxf) NEW £7



374-631 SR 50' Bogie B Luggage Van BR (SR)



374-632 SR 50' Bogie B Luggage Van BR Blue (Gra) NEW . £22.06



374-630 SR 50' Bogie B Luggage Van Southern £22.06

Wagons



377-525E 20 Ton Brake Van in BR bauxite (early) -. £16.11 weathered (Gra) NEW.



377-528 20 Ton Brake Van in BR bauxite (late) -. £16.11



377-529 20 Ton Brake Van in BR grey & yellow (Dutch

27-03-0402 Megaliret wagolt (3306 4943 035) ± 2 Sloder Hall Containers (Dap) £25 27-033-001 Megaliret Wagon (3368 4943 076) ± 2 Less Co2 Containers (Dap) £25 377-336A Triple Pack of Conflat Wagons BR crimson BD Container - weathered (Gra) . £33.96

DCC decoders

DCC23 6-pin 2-function 1A (2A peak) decoder (suitable for N gauge) (Gau) .£24



www.ehattons.com/preorder

for all forthcoming releases





SL-310 Rail Joiners/Fishplates for N & 009 gauge (24 per pack) (Pec)£2
Signals
2L-001-001 Signal - Motorised, GWR home lower quadrant (ex-
NSIGN1) (Dap). £22 2L-002-001 Signal - Motorised, LMS home upper quadrant (ex-NSIGN3) (Dap). £22
Buildings - general
42-297 Low Relief Cooling Tower (105x210x280mm) (Gra) £59.46
Trees
32102 3" - 4" Pine Trees With Snow - Pack Of 9 (Bac) NEW £7.50
People - civil
35985Noch *Unpainted Figure Starter Set (72) (Noc) NEW £9
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
379-450 Straight Track 174mm (Gra)£1
379-450 Pack of 12 (Gra)£10



Track - Code 80 Streamline





SL-300F Pack of 30 1 yard (91.5cm) length of Finescale
Nickle Silver flexible Wooden Sleeper track (Pec) £8
SL-300F Single (Pec)
SL-302F 1 Yard of Nickle Silver Flexible Track Concrete Sleepers (Pec) £3.5
SL-302F Pack of 30 (Pec)
SL-E399F 3-way fine scale turnout (Pec) £2 SL-E387F Fine scale curved double radius left hand point electrofrog (Pec), £1
SL-E390F Finescale double slip electrofrog (Pec)
SL-E389F Finescale left hand large point electrofrog (Pec) £1
SL-E396F Finescale left hand medium point electrofrog (Pec) £1



SL-E392F Finescale left hand small point electrofrog (Pec). £9 SL-E338F Finescale right hand large point electrofrog (Pec). £10 SL-E393F Finescale right hand medium point electrofrog (Pec). £10 SL-E391F Finescale right hand small point electrofrog (Pec). £9 SL-E393F Finescale scissors crossover electrofrog (Pec). £58
Track & Points
379-460 Left Hand Standard Point (Gra) £7 379-461 Right Hand Standard Point (Gra) £7 ST-45 Setrack N Gauge Curved Turnout L/H (Pec) £14 ST-10 Standard Straight (wired) (Pec) NEW £3.50
Track underlay
SL-350 Roll of Underlay (5 Metres) (Pec) £6
Buses
NCOM002 Commer Commando BOAC (Oxf) NEW£6
Commercial vehicles
NCA002 Bedford CA Ice Cream Walls (Oxf) £4
NEW ANTHOTOGS





(NEW)	- 1
(ILLI)	
_	
NWM001 Whi	tby Ice Cream Walls (Oxf) NEW£4

Military ground vehicles
NAEC008 AEC Matador Royal Artillery France (Oxf)
Tools
BS-FIX-03 N Scale Ballast Fixer (Pro) NEW £19
HO Gauge (1:87 Scale)

Electronic components DCC40 Reve rse loop control module (Gau

O Gauge (1:43 Scale)

Steam locos



7S-010-004 Class A1 Terrier 0-6-0 "Thames" in LSBCR improved engine green (Dap) NEW



7S-010-005 Class A1 Terrier 0-6-0 661 "Brighton" in LSBCR Improved Engine Green Paris gold metal (Dap) NEW... £154



7S-010-003 Class A1X Terrier 0-6-0 2644 in Southern Railway lined green (Dap) NEW£164 Wagons

1003 33xx class B tank in Regent black (Hel) ... £63
7F-100-002 SR 257 Pillbow Brake van 56235 in SR brown & red right hand ducket, lange lettering (Dap) ... £62
Track - Code 124 Bullhead Streamline



SL-700BH Box of 12 1 Yard O Gauge Flexible Nickle Silver Track (Bullhead Nickel Silver Rail) (Pec). £73



SL-E792BH Left hand point bullhead rail and electrofrog (Pec).	ç
electrofrog (Pec). SL-E791BH Right hand point bullhead rail and electrofrog (Pec) SL-E797BH Y Point bullhead rail & electrofrog (Pec)	.5
Cars	
43BN6001 Bentley MK VI Ivo Peters (Oxf)	
Any or Multiple Scales	



COMBI Combi 12v 1Amp Single Track Controller



D Double/Twin track power controller (Gau)







M1 Transformer Output 2 x 16v AC 1A (Gau) **Analogue point control** CDU Capacitor Discharge Unit (Gau).



DCC decoders





DCR-8PIN-Harness Box of 10 8-pin (harness) 4-function

1.1Amp decoder back EMF (Hat).

1.294

DCR-8PIN-Harness Box of 5 (Hat).

1.201

DCR-8PIN-Harness Box of 5 (Hat).

1.201

DCR-8PIN-Harness Box of 5 (Hat).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.201

PL-10E Bag of 6 Point Motor Extended Pin (use PL-9) (Pec).

1.202

PL-10E Bag of 6 Poin DCC accessory decoders DCD-ADS2FX COBALT Solenoid Access



DCD-ADS8FX COBALT Solenoid Accessory Decoder

DCC controllers



50200 ECoS Command Station DCC controller full colour





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



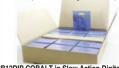
524-027 SB5 Smart Booster Entry level 5A DCC system for use Power Cab controller (NCE).....£144





DCC accessories
erSugarCube 11mm x 15mm rectangular sugar cube 4 ohm **Point motors**

DCP-CB12IP COBALT ip Slow Action Analogue Point Motor









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



Switches & Levers

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



DCP-CBS12 Cobalt S - Lever all accessories - unpainted



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

54670 PowerPack for Lokpilot V4 and LokSound V4 decoders (ESU) NEW £29.50 SL-14 Track Fixing Pins (Pec) £1.50 **Spares** TT4550 Tidy Track Rail Tracker Cleaning Kit (Woo)

Minerals, Water & Rocks PS-322 Ash & Cinders - Coarse Grade 200ml (Peo NEW. PS-320 Ash & Cinders - Coarse Grade 200ml (Peo; NEW. PS-321 Ash & Cinders - Fine Grade 200ml (Peo; NEW. PS-341 Erine Sand 200ml (Peo; NEW PS-344 Erine Sand 200ml (Peo; NEW PS-343 Limestone - Coarse Grade 200ml (Peo; NEW PS-342 Limestone - Medium Grade 200ml (Peo; NEW.

Track underlay GM130 Cork sheet - 1/16 thickness 3' x 2' (600 x 900mm) approx (Gau). £5.50 JCS18L Cork Sheet - 1/8' Thick - 24' x 36' (Jav). £8 ST1411 Incline For Transition From 1 Level To Another - 4% Set-Elevates Track 4' In 8' - 2.5' Wide - Pack Of 4 (Woo). £10.70

Railway publications

Tools



NTRAIL001 Mobile Trailer Bobs Hot Dogs (Oxf) NEW £3.95
NSFE002 Scania Pump Ladder West Sussex F & R (Oxf)£61
Q Quadruple 4 circuit power controller (Gau)£130
60100 SET100 DCC amplifier and controller (Len) ...£260
Gauge - See Description (ex DCP101) (DCC)£61



Also available in Red Brick Bridge PO245 £13.99 Tapered Walls PO248 £12.99 Mail Orders to:

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

Tel: 01729 830072

POSTAGE (UK ONLY) Up to £19.99 £2.50 Thereafter £4.50

Phone or write for free brochure.

Card Construction Kits

N Scale Small Factory Code PN183 £10.99

PN174 Brick fronts



PN175

Stone fronts £7.25

N Scale **Low Relief Terraced**

House Fronts & Backs

Designed for use as backdrop where space is limited or fronts and backs can be matched to make stand alone buildings.



PN177 Stone backs £7.99

A brand new kit made up of two buildings both with loading bays ideal for running next to a siding.

Designed to stand along side our soon to be released PN 182 Warehouse kit and PN184 Boilerhouse and Chimney kit.

> N Scale **Signal Box Set** Code PN133 £9.00

#



N Scale Single track **Tunnel Entrances**

PN176 Brick backs

£7.99



N Scale Platform Canopy



N Scale Retaining wall

Stone style PN144 £8.99 Red brick PN145 £8.99



N Scale **Wooden pavilion**

No village green or sports field should be without one.

Code PN821 £5.50

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

emodels.com



www.modelrailwaysdirect.co.uk

N GAUGE



Graham Farish 379-015 Graham Farish 2015/16

FREE UK DELIVERY



All savings shown against RRP, all items subject to availability nd may be limited in stock. Many more offers available online



Dapol 2D-003-007 D1012 Western Firebrand BR Maroon Small Yellow Panel £79.99 £123.10



AND DECEMBER

Graham Farish 372-210 Class 3F Jinty 7524 LMS Black £57.99 £74.95





OO GAUGE

Bachmann 36-2015 Bachmann 2015/16 Catalogue £7.95

FREE UK DELIVERY



DCC

SALE

DCC

DCC

DCC

DCC

Bachmann 31-366 Class 03 D2016 BR Green £66.36 £82.95

Bachmann 32-815

Class 47 47834 Fire Fly BR Intercity Swallow £84.45 £114.95

Bachmann 32-816

£84.45 £114.95

Bachmann 32-817 Class 47 47745 Royal London Society For The Blind RES £84.45 £114.95

Class 47 47365 Diamond Jubilee BR Railfreight Distribution

Dapol 2D-003-003 D1056 Western Sultran BR Maroon Full Yellow Panels DCC £79.99 £123.10



Dapol 2D-012-004D Class 22 D6313 BR Green Small Yellow Panel £122.99 £159.89



Dapol 2D-009-001 Class 121 W55027 BR Green with Whiskers £99.99 £129.00



DCC









Dapol 2D-003-004 D1058 Western Nobleman BR Blue with Full Yellow Ends £79.99 £123.10 You Save 35%



Graham Farish 371-433 Class 170/4 3 Car DMU 170434 First ScotRail £89.90 £164.95



DCC

SALE

Dapol 2D-009-001D Class 121 W55027 BR Green with Whiskers



Bachmann 31-031 Class 350/2 Desiro 4 Car EMU 350 238 London Midland £119.95 £189.95 You Save 36%



DCC





Dapol 2D-003-005 DI 058 Western Nobleman BR Blue with Full Yellow Ends £79.99 £123.10 You Save 35%



Graham Farish 372-181 Princess Coronation Class 46229 'Duchess of Hamilton' BR Green Early Emblem



Graham Farish 370-300 Landship Train £89.21 £104.95

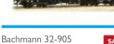


Bachmann 32-038DS Class 20 20124 BR Blue Indicator Disks Weathered £195.46 £229.95

£93.46 £109.95



Bachmann 32-044 Class 20 D8028 Class 108 2 Car DMU BR Blue BR Green Indicator Discs Grey MetroTrain Livery with Yellow Ends £74.95 £139.95 with Tablet Catcher



DECIDENTE CAN



D1065 Western Consort BR Maroon Small Yellow Panel £79.99 £123.10



DCC

DCC



Graham Farish 372-186 Princess Coronation Class 46226 'Duchess of Norfolk'
BR Express Passenger Blue E/E
£124.99 £159.95



Graham Farish 370-400 Longmoor Military Railway f11896 f13995







SUMMER SPECIAL OFFERS



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

UK POSTAGE £3.99 FAST, SECURE DELIVERY

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



Bristol BS20 7GP Tel 01275 774 224

Retail Unit 2

Phoenix Way

Portishead

Model Railways Direct Ltd

sales@modelrailwaysdirect.co.uk

Opening Hours 10am - 5pm Tuesday to Saturday Closed Bank Holidays

SUMMER SPECIAL OFFERS

Save up to 25% on Wagon Essentials







PayPal

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

Dapol 4D-012-003 Class 22 BR Green D6311 with Small Yellow Panel Disc Headcode £89 99 £140 60



DCC



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



Bachmann 31-128 3000 Class ROD 2-8-0 3036 BR Black Early Emblem-Weathered £89.90 £142.95 DCC



WAGON ESSENTIALS





Wagon Essentials WE053 SALE Lumped Coal load for all styles of Hornby open top HAA wagons £1.38 £1.85 Wagon not included



Hornby R3161A SR 2BIL Car EMU Pack £79.90 £123.99

You Save 35%

Dapol D1000H

Class 22 BR Blue D6328



DCC

Bachmann 31-780 Modified Hall 6988 Swithland Hall BR Green Late Crest £95.99 £124.95 You Save 23%

Realtrack RT143-214

£120.00

Realtrack K1143-217
Class 143 Two Car Pacer DMU
First Great Western Local Lines
DCC
READY

FRE



DCC

SALE

DCC

Bachmann 35-077 Class E4 0-6-2 32556 BR Black Early Emblem

Bachmann 35-075

Class E4 0-6-2 579

£84.99 £109.95



DCC

SALE

DCC

Wagon Essentials WE009A SALE Ballast load for all styles of Bachmann ZKA, Limpet, ARC PNA, 37-550/1 £1.31 £1.75 Wagon not included



Wagon Essentials WE066A SALE Ballast load for all styles of Bachmann and Hornby Seacow £1.38 £1.85 Wagon not included



Hornby R3162A BR 2BIL Car FMI I Pack £79.90 £123.99



Modified Hall 7903 DCC f95 99 f124 95



Bachmann 31-781 Foremarke Hall BR Lined Black E/Emblem



Bachmann 35-078 Class E4 0-6-2 Tank Engine 32500 BR Lined Black L/Crest DCC £84.99 £109.95 You Save 22%



Wagon Essentials WE017A SALE Ballast loads for all styles of Dapol MRA Side Tippler Set £18.00 £24.00 Wagon not included



Wagon Essentials WE068A SALE Ballast load for all styles of Heljan Dogfish open wagons £1.31 £1.75 Wagon not included



Hornby R3162AX BR 2BIL Car £94.95 £141.99



DCC



Bachmann 31-783 Modified Hall 7904 Fountains Hall BR Black Early Emblem Weathered £95.99 £124.95



Hornby R3106 GWR Class 2807 (Preserved) £114.99 £143.99



SALE

DCC

Wagon Essentials WE028A SALE Ballast loads for all styles of Hornby PGA with central divider £1.31 £1.75 Wagon not included



Wagon Essentials WE085A SALE Iron Ore load for all styles of Bachmann 27T Wagon £1.31 £1.75 Wagon not included



Hornby R3184 1960 Brighton Belle Pullman Train Pack £119.99 £189.99



Bachmann 31-127 3000 Class ROD 2-8-0 3023 BR Black Early Emblem £89.95 £129.95 You Save 30%



DCC

Hornby R3118 BR Castle Double Chimney Penrice Castle

£114.99 £143.99

SALE DCC



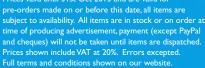
Wagon Essentials WE047 SALE Lumped Coal load for all styles of Bachmann 16T non slope wagon £1.38 £1.85 Wagon not included



Wagon Essentials WE086 SALE Lumped Coal load for new styles of Bachmann 7 or 8 Plank Wagor £1.38 £1.85 Wagon not include



FOR DELIVERIES OUTSIDE THE EU WEWILLAUTOMATICALLY DEDUCT **VAT (20%) AND CALCULATE POSTAGE** CHARGES AT CHECKOUT.































AUGEMASTER.com

The Online Home of **The Engine Shed**



CONTROL

CONTROL SYSTEMS







DCC03 Prodigy Advance2 Wireless Systm £479.95

DECODERS
DCC22 CLASSIC 2 Function Micro
DCC22 CLASSIC 6 Pin Pilug-in Decoder
DCC22 OMN 12 8 P Pin Decoder with Hamess
DCC28 OMN 16 Pin Decoder with Hamess
DCC28 OMN 12 8 Pin Decoder (5)
BPDCC29 OMN 12 8 Pin Decoder (5)
BPDCC29 OMN 15 Pin with Hamess (5)
BPDCC29 OMN 16 Pin with Hamess (5)
BPDCC29

DCC ACCESSORIES
DCC11 Prodigy Extension Plate DCC13 Prdigy Adv2 Wireless Walkaround £179.95 DCC14 Prodigy Adv2 Backlit Walkaround £129.95



DCC15 "Decoder Doctor" Decoder Tester £79.95 DCC40 Auto Reverse Module £39.95 DCC49 Prodigy DCC Booster Unit 8 Amp £179.95
 DCC51 Prodigy Wireless Conversion Set
 £259.95

 DCC55 Prodigy Wired Computer Interface
 £54.95

 DCC60 Spare plug for Prodigy
 £3.25

 DCC61 Medium NEM 652 Socket (5)
 £7.95
 DUCG1 Medium NEM Bb2 Socket (s)
DUCG2 Prodigy Universal Lead (2m)
DUCG3 Prodigy Adv Power Supply Unit
DUCG3 Prodigy Power Pack Lead
DUCG4 Prodigy Express Power Supply Uni
DUC71 Prodigy Decoder Tester
DUC73 Bb 21 Pin Adaptor
DUC77 Prodigy Walkaround Adapter £6.95 £9.95 £4.50

ANALOGUE CONTROL



GMC-COMBI Single Track Controller GMC-100M Single Track

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





GMC-Q Four Track

PANEL MOUNT CONTROLLERS



MC-100 Single Track £44.95 £54.95 £44.95 GMC-100.0 Single Track O Scale GMC-100LGB Single Track G Scale GMC-U Single Track Simulati GMC-UF Single Track Feedback GMC-UO Single Track Simulation O Scale GMC-UD Twin Track GMC-UDF Twin Track Feedback £39.95 £59.95 £54.95 £59.95 GMC-UDS Twin Track Simulation GMC-UTS Three Track Controller Sim. £69 95 £84 95



MAINS POWERED TRANSFORMERS
GMC-M1 Output 2 x 16v AC GMC-M1 Output 2 x 16v AC GMC-M1DC Output 2 x12v DC £49.95 £54.95 GMC-M2 Output 1 x 18v AC (2.5a) GMC-M3 Output 1 x 24v AC (1.25a) GMC-M4 Output 2 x12v AC (1.25a) £54 95 £54 95

WALL MOUNTED TRANSFORMERS
GMC-WM1 Output 1 x 16v AC or 12v DC GMC-WM1 Output 1 x 16v AC or 12 GMC-WM2 Output 1 x 9v DC (0.6a)

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

MODULES
GMC-SS1 Super Shuttle Unit
GMC-SS1LGB Super Shuttle Unit G Scale



POINT CONTROL

£49.95



Reels of 10m Wire & 3 x Toggle Switches. Ideal

MAINS POWERED POINT CONTROL SYSTEM
GMC-PCU1 Point Control Unit £114.95 GMC-PCU2 Slave Unit for PCU1 £52.95



GMC-CDU Capacitor Dischar GMC-MCDU Mains Powered



£13.95 £24.95

MC-PM1 Motor with Built-In Switch GMC-PM4 Motor Latching Mechanism £6.25

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



£169.95

TRACK

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



GMC-HF1 Single Track Unit GMC-HF2 Double Track Unit

XLE-HUNG TRACK CLEANING PADS



£39 95

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

TRACK TESTER



OO SCALE FLEXIBLE TRACK



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



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

N SCALE FLEXIBLE TRACK
GM18 Code 80 (N) Rail Joiner

SCALE TRACK ACCESSORIES GM53 N Scale Buffer Stop BPGM53 N Scale Buffer Stop (Pack of 5)



GM57 N Lit Buffer Stop on Track GM58 N Buffer Stop Lights (Pack of 2) GM17 Pair of Leads (N Joiner/Bare Wire) OO GREY BALLASTED UNDERLAY SYSTEM

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

OO BROWN BALLASTED UNDERLAY SYSTEM GM111 OO/HO Brown Ballast (500g) GM210 Flexible Ballasted Underlay (5m) GM214 Point & Crossing Ballasting Kit

N GREY BALLASTED UNDERLAY SYSTEM
GM115 N Granite Ballast (500g) £3
GM118 N Granite Ballast (200g) £2 GM118 N Granite Ballast (200g) £2.35 GM201 N Flexible Ballasted Underlay (5m) £22.95 GM205 N Point & Crossing Ballasting Kit £7.95

N BROWN BALLASTED UNDERLAY SYSTEM
GM113 N Brown Ballast (500g) £3.55
GM211 N Flexible Ballasted Underlay (5m) £22.95 GM215 Point & Crossing Ballasting Kit £7 95

OO SCALE CORK TRACKBED SYSTEM

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



GM252 3mm Cork Plates 15 x 50cm (2)
 GM240 For RH Sectional Points (2)
 £3.95

 GM241 For LH Sectional Points (2)
 £3.95

 GM244 For RH Sectional Curved Points (2)
 £3.95

 GM245 For LH Sectional Curved Points (2)
 £3.95
 GM247 For Y Sectional Points (2) £3.95

N SCALE CORK TRACKBED SYSTEM (6) £8.95 GM231 2mm Cork Trackbed 2.6 x 30cm GM232 2mm Cork Plates 15 x 50cm (2) GM225 For RH Sectional Points (2)





GM194 Scenic Starter Pack £24.95

| GENERAL SCENIC MODELLING PRODUCTS | GM100 Mod Roc (2.75m) | £4.50 | GM128 OO Scale Spring Trees (10) | GM129 OO Scale Summer Trees (10) | GM129 OO Scale S GM119 Fine Plaster of Paris (1kg) £3.95 GM130 1/16 Cork Sheet 3' x 2' (60 x 90cm) £6.50 GM131 1/8 Cork Sheet 3' x 2' (60 x 90cm) £10.50 GM167 Balsa Bundle 50 x 76 x 229mm GM168 Balsa Bundle 75 x 150 x 450mm

£4.95 GRASS & GRAVEL MATS

GM21 Summer Grass Mat 100cm x 75cm GM21 Autumn Grass Mat 100cm x 75cm £7.95 GM23 Gravel Mat 100cm x 75cm £5.95 GM38 Spring Grass Mat 240cm x 120cm £29.95

£2.60 £2.60

£2.35

£19.95



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



GM193 Puffer Bottle GM169 Static Grass Glue (250ml) GM170 Spring Grass Flock (30g) GM171 Summer Grass Flock (30g) GM172 Moorland Grass Flock (30g) GM174 Woodland Floor Grass Flock (30g)

BUDGET SCATTERS GM101 Meadow Scatter (50g) GM101 Meadow Scatter (50g)
GM102 Mid Green Scatter (50g)
GM103 Dark Green Scatter (50g)
GM105 Spring Green Scatter (50g)
GM105 Spring Green Scatter (50g)
GM109 Black Scatter (50g)
GM109 Black Scatter (50g)
GM110 Red/Brown Scatter (50g)
GM110 Midston Coal (50g)
GM116 Grey Tarmac Scatter (50g)



GM160 Light Green Hedgerow (1m) GM161 Dark Green Hedgerow (1m) GM164 Light Green Lichen (80g) GM165 Dark Green Lichen (80g) GM166 Assorted Lichen (80g)

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

STANDARD TREES GM181 Plum Trees in Blossom (3) GM182 Fruit Trees (3) GM183 Apple Trees (3) GM184 Birch Trees (3) GM185 Weeping Willow Trees (3) GM186 Poplar Trees (3) GM187 Pine Trees (3) GM188 Beech Trees (2)

TRA



BULK TREES GM120 Deciduous Trees (25)

GM121 Mixed Trees (25) GM122 Fir Trees (25)

GM124 Deciduous Trees (25) GM125 Spruce Trees (25)

MAKE YOUR OWN TREES GM156 Light Green Scenic Leaves (50g) GM157 Mid Green Scenic Leaves (50g) GM158 Dark Green Scenic Leaves (50g)



£19.95

£3.65

GM175 OO/HO Garden Flowers GM176 OO/HO Water Plants GM177 OO/HO Garden Plants GM178 OO/HO Wild Flowers GRASS TUFTS

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

BRICKWORK
GM30 Plain Stone Wall Grey
GM31 Grey Stone Wall & Butresses
GM32 Grey Stone Wall & Arches
GM197 Stone Tunnel Wall
GM198 Single Tunnel Mouth & Walls
GM199 Double Tunnel Mouth & Walls £9.25 £9 25 £9.25 £7.95 £14 95

BACKSCENES GM701 Large Valley Backscene GM702 Large Countryside Backscene GM703 Large Open Field Backscene

GM704 Large Village Backscene GM705 Large Cloudy Sky Backscene GM706 Large Industrial Backscene GM707 Large Housebacks Backscene £4.75 £6.95 £7.95 £7.95 £7.95 £3.15 £3.15 GM708 Large Pretty UK Town Backscene GM751 Small Valley Backscene GM752 Small Countryside Backscene GM753 Small Open Field Backscene £7.95 £4.95 £4.95 £4.95 £3.15 £3.25 GM754 Small Village Backscene £4.95

£1.85 £1.85 £1.85 £1.85 £1.85

GM755 Small Cloudy Sky Backscene GM756 Small Industrial Backscene GM757 Small Housebacks Backscene GM758 Small Pretty UK Town Backscene **HIGHWAYS**



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

OO SCALE NARROW ROAD SYSTEM GM375 68mm Wide Tarmac Road (1m) GM376 68mm Wide Universal Curves (2) OO/HO SCALE VEHICLE LIGHTING KITS GM385 Standard Vehicle Kit GM386 Emergency Vehicles Kit (Blues) GM387 Service Vehicles Kit (Orange)

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

STRUCTURES



GM452 Lattice Fencing 300mm Length

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

Tel - 01903 884488

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





STRUCTURES



GM453 Garden Shed Kit

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



GM401 Fordhampton Station



M402 Fordhampton Signal Box

3M403 Fordhampton Footbridge



GM404 Fordhampton Level Crossing

GM405 Fordhampton 60s Estate House



GM406 Fordhampton Locomotive Shed GM407 Fordhampton Carriage Platforms





KESTREL DESIGNS

N GAUGE PLASTIC KITS GMKD04 Church with Porch GMKD05 House/Shop Unit with Glazing GMKD06 Two Shop Unit with Glazing GMKD07 Four House Unit GMKD08 Country Station GMKD09 Station Buildings GMKD11 Flat Canopy GMKD12 Small Signal Box GMKD13B Farm Rail Fencing Brow GIMKD12 Smilar signal Fencing Brown
GIMKD13M Farm Rail Fencing White
GIMKD14 Warm Rail Fencing White
GIMKD14 Swipraph Poles
GIMKD15 Windows Doors & Guttering
GIMKD15 Windows Doors & Guttering
GIMKD16 Platform Ramps (2)
GIMKD18 Station Yard Huts
GIMKD19 Walford Swipress
GIMKD12 Coal Office
GIMKD20 Coal Office
GIMKD21 Evel Crossing/Repers Cottage
GIMKD21 Swipress
GIMKD21 Swipress
GIMKD21 Swipress
GIMKD22 Sorner Shop
GIMKD26 Former Shop
GIMKD26 There Storey Town Shop
GIMKD26 Three Storey Town Shop
GIMKD28 Undern Station GMKD29 Modern Station GMKD30 Modern Station Waiting Room GMKD31 Station Masters House GMKD32 Pair Pre War Semi Det. Houses GMKD33 Boilerhouse & Chimney GMKD34 Stable Block GMKD35 Cow Shed



GMKD38 Steel Footbridge
GMKD39 Modern Industrial Unit
GMKD40 Modern Fire Station
GMKD41 Platforms Wide (2)
GMKD42 Platform Ramps Wide (2)
GMKD43 Goods Shed
GMKD1000 Town Station
GMKD1001 Old Factory with Chimney

N GAUGE LASER CUT KITS The same as the ultra detailed OO equivalents (GM451/GM452/GM453) - pack siz

N GAUGE VALUE KIT SETS GMKD2000 Station Set GMKD2001 Town Set GMKD2002 Suburban Set



£17.50

TOOLS



£17.95 £17.95 £15.95



£19.95 £4.75 £5.75 £9.75

GENERAL MODELLING TOOLS GM600 A2 Cutting Mat GM601 A3 Cutting Mat GM602 A4 Cutting Mat GM603 A5 Cutting Mat GM003 A'S Cutting Mat GM004 Round Nose Pilers GM005 Flat Nose Pilers GM005 Flat Nose Pilers GM007 Half Round Pilers GM008 Bent Nose Pilers GM008 Bent Nose Pilers GM010 Double Ended Pin Vice GM011 Sawset 1 w/ Scalpel Handle GM014 Sir Scalpel & Blades GM015 Pilestic Scalpel & Blades GM016 Cutting Knifle & 5 Blades GM016 Cutting Knifle & 5 Blades GM016 Pick-Up Tool GM018 Magnifler Tweezers £3.00 £3 00 GM618 Magnifier Tweezers GM621 Locking forceps Curved GM624 Swivel Top Pin Vice GM625 Curved Tweezer R/Action GM626 Straight Tweezer R/Action GM627 Blunt End Tweezer R/Action GM627 Bluft End Tweezer R/Action GM627 Bluft End Tweezer R/Action GM630 Screw Top Mandrels (3) GM631 Slitting Discs (10) & Mandrel GM632 Budget Needle File Set GM632 Budget Needle File Set GM633 Class Fibre Pencil 4mm GM634 4mm GFibre Refills (10) GM635 2mm GFibre Refills (10) GM636 2mm GFibre Refills (5) GM638 Cutting Broaches 0.6-2.0 GM640 Archimedian Drill Stock GM641 HSS Jbbrs Drills 0.5 (5) GM643 HSS Jbbrs Drills 1.0 (5) GM643 HSS Jbbrs Drills 1.0 (6) GM644 HSS Jbbrs Drills 1.2 (5) GM645 HSS Jbbrs Drills 1.2 (5) GM646 HSS Jbbrs Drills 1.2 (5) GM645 HSS Jbbrs Drills 1.5 (5) GM646 HSS Jbbrs Drills 1.8 (5) GM647 HSS Jbbrs Drills 2.0 (5) GM648 Microbox Drills 0.3-1.6



GM649 Microbox HSS Twist Drill Bits 61-80 GM650 HSS Jbbrs Drills 0.3 (5)

GM651 HSS Jbbrs Drills 0.4 (5) GM652 HSS Jbbrs Drills 0.6 (5) GM653 HSS Jbbrs Drills 0.7 (5)

£5.75 £7.00

£3.25 £2.75 £7.50

£16.95

GM684 Spare Blades for GM683 GM693 Value Model Railway Drill GM694 Mains Powered Value Drill GM695 Model Railway Screwdriver Set GM696 Masking Tape 6mm x 18m (2) GM697 Masking Tape 10mm x 18m (2) GM698 Masking Tape 18mm x 18m (1)

SOLDERING IRONS & BITS GM680 15W 230V Soldering Iron GM681 25W 230v Soldering Iron GM685 15W No.6 Tip GM686 15W No.8 Tip GM687 25W No.6 Tip GM688 25W No.7 Tip GM689 25W No.8 Tip GM690 40W No.6 Tip

SOLDERING ACCESSORIES
GM01 Low Mell Solder 70 degrees (20g)
GM02 Solder 180 degrees (20g)
GM03 White Metal Flux
GM04 Brass Flux
GM05 No Acid Safety Flux
GM05 No Acid Safety Flux
GM06 Solder Wire 145 Degrees

ELECTRICS

GM506 Mini-Togale DPD1 £2.40 GM510 Mini-Toggle for Point Motors GM511 Mini-Toggle for C Point Motors GM512 Push to Break Black (5) GM513 Push to Make Black (5) £5.95 £2.75 GMS12 Push to Break Black (5)
GMS14 Push to Make Black (5)
GMS14 Push to Make Blue (5)
GMS14 Push to Make Blue (6)
GMS15 Push to Make Red (5)
GMS17 Push to Make White (5)
GMS17 Push to Make White (6)
GMS18 Push to Make White (7)
GMS18 Rotary Switch 1 Pole 12 Way
GMS20 Rotary Switch 1 Pole 6 Way
GMS20 Rotary Switch 3 Pole 4 Way
GMS21 Rotary Switch 3 Pole 4 Way
GMS21 Rotary Switch 3 Pole 3 Way
BPGMS01 Slide Switch DPDT (25)
BPGMS03 Toggle Switch SPST (25)
BPGMS04 Toggle Switch SPST (25)
BPGMS05 Mini-Toggle DPDT (Cloff) (25)
BPGMS05 Mini-Toggle DPDT (25)
BPGMS05 Mini-Toggle SPDT (25)
BPGMS05 Mini-Toggle SPDT (25)
BPGMS06 Mini-Toggle SPDT (25)
BPGMS06 Mini-Toggle SPDT (25)
BPGMS06 Mini-Toggle SPDT (25)
BPGMS07 Mini-Toggle SPDT (26)
BPGMS07 Mini-Toggl £9.95

BPGM513 Push to Make Black (25) BPGM514 Push to Make Blue (25) BPGM515 Push to Make Green (25) BPGM516 Push to Make Red (25) BPGM517 Push to Make White (25) BPGM518 Push to Make Yellow (25) WIRE
GMM Wire Red/Black/Green (10m of each)
GMM1BK Wire Black 7 x 0.2mm (10m)
GM11BL Wire Blue 7 x 0.2mm (10m)
GM11BN Wire Brown 7 x 0.2mm (10m)
GM11GN Wire Green 7 x 0.2mm (10m)
GM11GR Wire Green 7 x 0.2mm (10m)
GM11GR Wire Grey 7 x 0.2mm (10m) GM11GR Wire Grey 7 x 0.2mm (10m)
GM110 Wire Orange 7 x 0.2mm (10m)
GM110 Wire Orange 7 x 0.2mm (10m)
GM119 Wire Pim 7 x 0.2mm (10m)
GM119 Wire Pim 7 x 0.2mm (10m)
GM119 Wire Pim 7 x 0.2mm (10m)
GM11W Wire White 7 x 0.2mm (10m)
GM11W Wire White 7 x 0.2mm (10m)
BPGM11BL Blue Wire 7 x 0.2mm (100m)
BPGM11BL Blue Wire 7 x 0.2mm (100m)
BPGM11BL Green Wire 7 x 0.2mm (100m)
BPGM11GR Grey Wire 7 x 0.2mm (100m)
BPGM11GR Grey Wire 7 x 0.2mm (100m)
BPGM11D Vange Wire 7 x 0.2mm (100m)
BPGM11P Pink Wire 7 x 0.2mm (100m)
BPGM11P Wire 1 x 0.2mm (100m)
BPGM11P Wire 7 x 0.2mm (100m) £2.15 £2.15 £2.15 £7.95 £7.95 £3.95 £2.50 £2.50 £7.95 £7.95 £7.95 £7.95 £7.95 £7.95

GENERAL ELECTRICAL ACCESSORIES GM12 Pair Connecting Leads (Pin/Bare Wire)
GM14 Crimped Pin Terminals (6)
GM15 Ring Terminals (6)
GM15 Ring Terminals (6)
GM16 Pair Connecting Leads (Pin/Pin)
GM28 Crocodile Clips Red/Black Pair
GM29 Knob for Rotary Switches & Pots
CM20 Knob For Rotary Switches & Pots GM40 1.5a Rectifier GM41 Thermal Cut-Out 1 Amp GM42 Thermal Cut-Out 2.5 Amp GM75 PS6 6-Way Din Plug/Socket GM77 12-Way Poly Terminal Block GM89 Pack of 5 Amp Fuses (5)

LIGHTING GM61 Micro LED White (4) GM61 Micro LED White (4)
GM62 Micro LED Red (4)
GM63 Micro LED Blue (4)
GM63 Micro LED Blue (4)
GM64 Micro LED Drange (4)
GM69 Grain of Wheat Bulb 12v Yellow (5)
GM70 Grain of Wheat Bulb 12v Green (5)
GM71 Grain of Wheat Bulb 12v Green (5)
GM72 Grain of Wheat Bulb 12v Green (5)
GM73 Grain of Wheat Bulb 12v Orange (5)
BPGM69 GG0V 12v Yellow (100)
BPGM70 GG0W Bulb 12v Gear (100)
BPGM73 GGW Bulb 12v Green (100) GM80 LED Green 3mm 12v (5) GM81 LED Red 3mm 12v (5) GM82 LED Yellow 3mm 12v (5) £2.25 GM83 LED Green 5mm 12v (5) GM84 LED Red 5mm 12v (5) GM85 LED Yellow 5mm 12

GM76 Resistor 1K Ohm for LEDs (10) £1.60 MAGNETS GM86 Small Magnets (10) GM87 Medium Magnets (10) GM88 Large Magnets (10) GM98 3v Bulbs (10) & Capacitors (5) GM99 Pack of Reeds & 5 Magnets £5.75

UNIVERSAL RELAY SWITCH GM500 Universal Relay Switch (Singl BPGM500 Universal Relay Switch (3)



GM353 128 Page Full Colour Catalogue

CATALOGUE £3.95

GAUGEMASTER **Limited Edition News**

dapol **N SCALE**



DAGM231 IC Executive Pristine £69.95 73 1/12 Broadlands







OO SCALE dapol



Pullman Class 73 101 - £129.95 DAGM100 The Royal Alex DAGM101 Brighton Evening Argus 300pcs of each only



2015 NEW **ITEMS BROCHURE**

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

RANGES STOCKED

Airfix Antex Atlas Bachmann Busch Capital Transport Cartrix Classix Dapol DCCconcepts Deluxe Materials DM Tovs Dornaplas FFF Faller FlySlot Gaugemaster Graham Farish Harburn Hamlet Heljan HMRS Transfers Hobbytrain Hornby Humbrol Jagerndorfer Kato Kestrel Designs Kibri Knightwing LGB Lifelike Lightcraft

Mehano Metcalfe Middleton Press MiNis Minitrains Modelcraft Model Scene MRC Ninco NSR

Oxford Diecast Oxford Rail Parkside Dundas Peco Piko Plastruct Pola Preiser Racer

> Ratio Revel Roco Rokuhan Scalextric Scenix Seep Seuthe

Sideways Slaters Slot It Spraycraft Springside SRC

Superquick Tracksetta Train Tech TrainSave Trumpeter Viessmann

Vollmer W & T Wiking Wills

PHONE/ORDER HOTLINE (0114) 2551436

Open 9:00am - 5:00pm 24 Hr Answerphone service for orders



BACHMANN

SHOP OPENING HOURS:

9:30am - 5:00pm

Monday - Saturday

Free parking outside the door!

HORNBY

	FULL RANGE STOCKED AT BARGAIN PRICE	S
R3185	South Eastern 'Sir Chris Hoy' Class 395 Javelin Train Pack	£124.50
R3195	BR Grn 4-6-2 Princess Coronation CI 'City of Liverpool' #462-	47 £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
R3223	BR Black 2-8-0 42XX Class Locomotive	£94.50
R3224	BR Black 2-8-0 52XX Class Locomotive	£94.50
R3225	GWR Green 2-8-2 72XX Class Locomotive	£104.50
R3227	BR Black 2-8-0 Class O1 Locomotive 63663	£115.50
R3229	BR 4-6-0 'British Monarch' 4000 Class	£104.50
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
R3238	SR 0-6-0T 700 Class Locomotive – 1920s-1930s	£96.50
R3239	BR 0-6-0 700 Class Drummond – Late BR Loco 30315	£96.50
R3240	BR 0-6-0T 700 Class – Early BR	£96.50
R3241	BR 4-6-2 'City of Bradford' Duchess Class Locomotive 46236	£124.50
R3243A	BR 2-6-0 KI Class – Late BR Locomotive	£114.50
R3257	BR 2-BIL 2 Car Electric Multiple Unit Train Pack	£113.95
R3259	BR 2-BIL 2 Car Electric Multiple Unit Train Pack – NRM	£104.00
R3261	Network Rail 0-6-0 Class 08 417 Diesel Shunter	£87.50
R3262 R3263	DCR AIA-AIA Diesel Class 31452 Locomotive	£142.50 £129.95
R3277	BR Co-Co Diesel Electric 'Vanguard' Class 50 024	£129.95 £61.50
R32//	RailRoad GWR 'County of Devon' County Class BR Green 4-6-0 'Earl of Mount Edgcumbe' 4073	£61.50
K3301	Castle Class 2014 Loco	£127.50
R3310	BR 4-6-2 'Bude' West Country Class – Late BR	£127.50 £124.50
R3311	BR 4-4-0 'Westminster' Schools Class – Early BR	£119.50
R3312	BR Green 4-6-2 'Minoru' A3 Class – BR 1955	£144.50
R3313	LMS 0-6-0 4F Class – LMS Unlined Locomotive	£87.50
R3315	BR Black 4-4-0 Fowler 2P Class – Late BR Loco	£87.50
R3324	LNER 0-6-0T 50 Class Locomotive	£69.50
R3336	LNER 4-6-2 'Flying Scotsman' A3 Class – NRM 2015 Rededicat	
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 AIA-AIA 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

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 @



FULL RANGE STOCKED AT BARGAIN PRICES 30_048 The Highlander Digital Sound Train Set £250.71 £124.50 30-325 Ambulance Train No.40 Train Pack £195.45 30-525 The Shakespeare Express Train Pack 30-575 The Railway Children Train Pack 31-003A Robinson Class 04 6184 LNER Black @ Class 166 Networker 3 Car DMU #166204 Thames Trains 31-029 @ 31-040 Class 450 4-Car FMU 450073 South West Trains @ 31-041 Class 450 4-Car FMI I 450127 South West Trains Weathered B 31-061 LNER J72 Class 69001 BR Black Early Emblem 31-088 3200 (Earl) Class 9028 BR Black Early Emblem £11896 BR Standard Class 4MT #75035 BR Black L/Crest – Weathered 31-119 £127.46 31-214 Patriot Class 4-6-0 'Giggleswick' #45538 BR Green Early Emblem £131.71 31-433 Midland Class IF 1739 LMS Black Open Cab B Midland Class IF 41803 BRITISH RAILWAYS Black 31-434 31-440 Ivatt Class 2MT 2-6-2 Tank #41243 BR Lined Black Early Emblem £106.21 31-44IDC lyatt 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 £106.21 Type AL5 Electric #E3095 BR Electric Blue Small Yellow Panel 31-679 31-780 Modified Hall 6988 Swithland Hall £106.21 31-781 Modified Hall 7903 Foremarke Hall £106.21 31-920 H2 Class Atlantic 4-4-2 2426 'St Alban's Head' SR Olive Green B H2 Class Atlantic 4-4-2 32424 'Beachy Head' BR Black Early Emblem 31-921 32-034A Class 20 20141 BR Green Full Yellow Ends Weathered f9771 32-038DS Class20 #20124 BR Blue Indicator Disks - Weathered - SOUND £195.46 Class 20 #D8028 BR Green Indicator Discs with Tablet Catcher 32-044 32-065 Class 43 'Warship' #D865 'Zealous' D865 BR Maroon Yello Panel £118.96 Class 43 'Warship' 'Pegasus' #D835 BR Green Yellow Panel 32-085 Class 56XX #6639 BR Black Early Emblem £76.46 K3 Class 1304 LNER Lined Black B 32-279A a 32-281 K3 Class 61862 BR Lined Black Early Emblem £127 95 32-285 Class 101 2 Car DMU BR Green with Speed Whiskers 32-286 Class 101 2 Car DMU BR Green with Yellow Warning Panel £127 95 32-286A Class 101 2-Car DMU BR Green Yellow Warning Panel Wethrd £144.46 Class 25/I #25043 BR Green Full Yellow Ends - Weathered 32-331 £89.21 Class 24/1 D5135 BR Green £93.46 32-442 Class 24/1 #24137 BR Blue £93.46 £101.96 32-680 Class 45 #45036 BR Blue Split Centre Head Code 32-762DS Class 57/3 'The Hood' #57312 Virgin - Weathered - SOUND £203.96 Class 57/3 'Pride of Crewe' #57309 DRS Compass Blue 32-763 £106.21 32-784 Class 37/0 #37242 Mainline Blue Centre Head Code - Wethrd £106.21 32-785DS Class 37/0 #37254 BR Departmental - Weathered - SOUND £203.96 Class 37/0 #37174 EWS Domino Head Code – Weathered £106.21 32-786 Class 150/2 #150204 Northern Rail £131.95 32-992 Wickham Type 27 Trolley Car BR Engineers Yellow C 32-993 Wickham Type 27 Trolley Car BR Engineers Yellow Wasp Stripes @ 35-075 Class E4 0-6-2 #579 LBSC Umber £87.50 35-076 Class E4 0-6-2 #473 Southern Green £87.50 35-077 Class E4 0-6-2 #32556 BR Black Early Emblem £87.50 35-078 Class E4 0-6-2 #32500 BR Black Late Crest £87.50

Colour coding: No DCC

DCC READY

DCC Fitted/Sound

PLEASE NOTE:

All items currently in stock are despatched immediately.

Forthcoming releases will be despatched immediately upon release.

If your order contains both current items and forthcoming releases then these will be despatched separately and subject to separate delivery charges.

GRAHAM FARISH

1	FULL RANGE STOCKED AT BARGAIN PRICES					
ч	370-080	'Countryside Coal' Digital Train Set	£140.21			
0	370-300	Landship Train Collectable Train Pack	£89.21			
5	370-400	Longmoor Military Railway Train Pack	£118.96			
6	370-500	Cumbrian Mountain Express Collectable Train Pack	£131.71			
	371-110	Class 31 #D5563 BR Green – Directional Lighting	£94.50			
	371-111	Class 31 #D5596 BR Green Sm Yel Panels – Directional Lightin	•			
	371-112	Class 31 #31173 BR Blue – Directional Lighting	£94.50			
	371-168	Class 37/5 #37506 Railfreight Red Stripe	£95.50			
6	371-180	Class 40 D211 'Mauretania' BR Green Indicator Discs	@			
6	371-181	Class 40 D369 BR Green Centre Head Code Small Yellow Par	-			
ı	371-286	Class 55 'Kings Own Yorkshire Light Infantry' #D9002 BR Grn S				
	371-287	Class 55 'Prince of Wales's Own Regiment of Yorkshire' #55005				
,	371-330	Class 150/1 #150128 First Great Western	£123.21			
1	371-358	Class 60 60021 Colas	£101.96			
•	371-384	Class 66 #66209 EWS – Weathered	£99.50			
	371-396 371-454	Class 66 (Low Emission Variant) 'Interhub GB' #66731 GBRf	£95.50			
	371-454	Class 37 #D6827 BR Green Centre Headcode – Weathered Class 37 #37251 BR Blue – Weathered	£106.21 £99.95			
,	371-455 371-456	Class 37/0 #37133 BR Grey & Yellow (Dutch)	£99.95 £95.50			
6	371- 4 36 371-604	Class 42 Warship 'Onslaught' #D832 BR Green	£94.50			
il	371-635	Class 70 Powerhaul #70006 Freightliner	£95.95			
į	371-656	Class 57 #57312 Network Rail Yellow	£95.50			
		SClass 108 2-Car DMU BR Blue	£75.50			
ı	371-880	Class 108 2 Car DMU BR Green Small Yellow Panel	£123.21			
6	371-987	Class 64xx 0-6-0 Pannier Tank #6400 BR Lined Green Late Cr				
6	372-060	Midland Class 4F #43924 BR Black Late Crest Fowler Tender	£87.95			
6	372-061	Midland Class 4F #3851 LMS Black Johnson Tender	£87.95			
6	372-062	Midland Class 4F #43875 BR Black Early Emblem Johnson Tend	der £87.95			
6	372-138	Class 5 #5190 LMS Plain Black	£110.46			
	372-139	Class 5 #45206 BR Lined Black Early Emblem	£111.50			
5	372-310	Merchant Navy Class #35024 'East Asiatic Company BR Blue E	/E £135.96			
5	372-311	Merchant Navy Class 35023 Holland-Afrika Line	£135.96			
6	372-312	Merchant Navy Class #35028 'Clan Line' BR Green Late Crest	£135.96			
ı	372-313	Merchant Navy Class 35021 New Zealand Line	£135.96			
6	372-385	Class A2 'AH Peppercorn' #525 LNER Apple Green	£135.96			
6	372-388	Class A2 'Blue Peter' #60532 BR Lined Green Late Crest	£135.96			
6	372-400	Class J39 #1856 LNER Lined Black Flat Sided Tender	£87.50			
6	372-536	Class 4MT Tank #80119 BR Lined Black Late Crest	£97.71			
!	372-578	Rebuilt Royal Scot 'Royal Scot' #6100 LMS Crimson (Preserve	d) £118.96			
	372-579	Rebuilt Royal Scot 'Royal Ulster Rifleman'	(127.4			
6	272 /25	#46122 BR Green Late Crest – Heavily Weathered	£127.46			
5	372-625 372-626	Ivatt Class 2MT #46521 BR Lined Green Late Crest Ivatt Class 2MT BR Lined Black E/E Locomotive 46440	£95.50			
	372-653	BR Standard Class 4MT #76079 BR Lined Black Early Emblem	£95.50 £110.46			
	372-633	BR Standard Class 5MT 73068 BR Lined Grn Late BRIC Tende				
0	372-725	LNER 172 Class 8680 LNER Lined Green	EF £103.30			
0	372-826	LNER 72 Class 6000 ENER Lined Green	6			
0	372-827	LNER 72 Class 69028 BR Black Late Crest	@			
0	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			
	372-932	N Class 2-6-0 #31811 BR Black Late Crest	£106.21			
	372-933	N Scale N Class 2-6-0 810 SWCR Grey	£106.21			
	RAI	LS BLACK LMS LIMITED EDITION	SNC			
1	21.0001/	1140 7 . 144 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .				

1
£299.99
gs and
£134.99
£134.99

UK POSTAL RATES: £4.00 (1st Class), £4.50 (1st Class Recorded), Special Delivery £8.50 next day delivery inc Saturdays by 1:00pm (orders must be placed before 2:00pm on date of despatch), £7.50 per parcel over 2kg sent via ParcelForce courier for next day delivery inc Saturdays (orders must be placed before 3:00pm on date of despatch). This excludes post codes: IY, HS, KA27-28, KW, ZE, PA20-78, PH17-50, BT, IM, TR21-25, IE-GY and PO31-41 which will be charved 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 deductable.

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 MI South, Junction 29, follow A617 to Chesterfield then A61 to Sheffield. From MI North, Junction 33, follow Parkway then A61 Chesterfield Road.

By Bus: From Midland Station/Transport Interchange catch No 53 (Lowedges) bus to Albert Road (approximately 2 miles).

DAPOL AT BARGAIN PRICES

OO GAUGE O GAUGE

GOLD STAR STOCKISTS **FULL RANGE STOCKED**

Call us or see our website for more details and bargain prices

ESU Loksound AT BARGAIN PRICES

V4.0 Steam Sound

Classes A4 Pacific, A1/A2 Pacific, A1 Pacific 'Tornado' £94.50 Decoder with Speaker GWR Pannier 57xx, GWR Manor 78xx, BR/LMS Mogul, 4MT Tank, Jubilee, BR/LMS Fairburn, Ivatt Class 4, 3F

V4.0 Diesel Sound DCCSSFIT

DCCDIFIT

Jinty, Bulleid Pacific Classes 03/08/20/24/25/31/37/40/43 HST/44/45 Decoder with Speaker 47/50/52/55/57/66/67/108 DMU/158 Sprinter Fitting service for all OO gauge Steam Classes £25.00 Fitting service for all OO gauge Diesel Classes

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 fo 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 £29.50

DCCFIT8 DCC Decoder fitting service for OO gauge 8 pin DCC Ready

DCCFIT21 DCC Decoder fitting service for OO gauge 21 pin DCC Ready £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.

HELIAN AT BARGĂIN PRICES

OO GAUGE O GAUGE

FULL RANGE STOCKED

Call us or see our website for more details and bargain prices

RAILS BLACK LMS TWINS LIMITED EDITIONS



31-999Y LMS Twins Wooden Box Set 10000 & 10001 in Black/Chrome	£299.99
31-999X LMS Twin Loco 10001 in BR Black/Chrome trimmings no emblem	£134.99
31-999Z LMS Twin Loco 10000 in LMS Black with Chrome fittings	£134.99

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
PMI	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

DI 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:





£29.50

























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 f 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

w.railsofsheffield.co

GAUGE

Save 25% off R.R.P NEW G.W.R/B.R Horse Box ..

NER/BR 10T Fish Van£35.00

.£35.00

£47.25

	7
TOWER RRACE LOCOMOTIVES	
TOWER BRASS LOCOMOTIVES R.T.R in unpainted brass/factory painted	CFSA
GWR/BR King£900.00	RM5
GWR/BR Railcar 19-33£550.00 GWR/BR Parcels Railcar No.34£550.00	W60
GWR 1361 Early black chassis£525.00	W60:
GWR/BR 1361 Late black chassis£525.00	W60
LY/LMS/BR Pug black£450.00 LNER/BR J39 0-6-0 black£925.00	W60-
GWR/BR 8750 Pannier black chassis . £525.00	W60
TOWER BRASS COACHES	W60
Fully assembled in unpainted brass GWR/BR Collett D127 brake 3rd £235.00	W60
SAN CHENG R-T-R BRASS LOCOS	
In basic factory paint finish GWR/BR 4-6-0 Hall Green£1350.00	LK70 LK70
SR 4-4-0 Schools Olive£1300.00	LK70
LNER/BR V2 2-6-2£1400.00	LK73
GWR/BR Manor£1400.00 LNER/BR B1 black late tender£1400.00	LK74 LK 7
GWR City of Truro£1350.00	LK74
LNER/BR J50 Black£675.00	LK74
GWR/BR Grange (2 versions)£1400.00 FULLY FINISHED R-T-R LOCOS	LK75 LK75
LMS/BR Royal Scot 4-6-0from £1575.00	LK75
LMS/BR Jubilee 4-6-0from £1625.00 L&Y/LMS/BR Pug 0-4-0Tfrom £525.00	LK76
GWR/BR 48xx/14xx Autotk 0-4-2T from £695.00	LK79
GWR/BR 1361 0-6-0STfrom £695.00	SLE7
GWR/BR 8750 Pannier tankfrom £695.00 GWR/BR 4575 Prairie tankfrom £855.00	SLE7
GWR/BR King 4-6-0from £1235.00	SL70 SLE7
GWR/BR Hall 4-6-0from £1575.00 GWR/BR Razor Edge railcarfrom £810.00	SLE7
GWR/BR Parcels railcarfrom £785.00	SLE7
SR/BR Schools 4-4-0from £1525.00	SLE7 SL10
LNER/BR J39 0-6-0from £1060.00 LNER/BR V2 2-6-2from £1625.00	SL11
GWR/BR Manorfrom £1625.00	SL74
LMS/BR Original Patriotfrom £1625.00	TP1 I
GWR City of Trurofrom £1545.00 GWR/BR Grangefrom £1585.00	ST72
LMS/BR Black Fivefrom £1625.00	DO4 4
LNER/BR B1from £1625.00 Over 100 R-T-R locos available off the shelf	PS14
Over 100 R-T-R locos available off the shelf SLATERS LOCO KITS	PS17
7L002 G.W.R 28xx Curved frame£473.00 7L003 G.W.R 28xx Square frame£473.00	PS23
7L005 M.R/L.M.S Flatiron£368.25	PS24 PS25
7L006 MR/L.MS Johnson Halfcab£322.00	PS26
7L007 M.R/L.M.S Johnson Kirtley£438.00 7L009 C.R/Industrial Pug£223.99	PS27
7L011 M.R/L.M.S Johnson 1262 0-4-4T.£351.50	PS28
7L014 M.R/L.M.S Deeley Comp 4-4-0£464.00	PS30
7L015 G.W.R Saint Curved frame£473.00 GLADIATOR LOCO KITS	PS31
GTR20 LMS/BR Princess 4-6-2 £395.00	PS32
GTR25 LMS/BR Rebuilt Patriot £325.00	PS33 PS34
GTR48 LNWR/LMS Crane Tank£205.00 GTR53 LMS/BR 8F 2-8-0£325.00	PS35
GTR58 LNER/BR B1 4-6-0£345.00	PS38
GTR63 LNER/NER Y8 0-4-0T£165.00 GTR65 G.C.R/LNER/BR F1 2-4-2T£215.00	PS42
GTR68 SR King Arthur 8 Wheel Tender £395.00	PS45 PS46
GTR88 LMS/BR Jinty 0-6-0T£225.00	PS47
FT3 LNER/BR B16/1 4-6-0	PS48
FT9 NER/LNER G6 (BTP)£195.00 JAVELIN LOCOMOTIVE KITS	PS49
JLK GWR/BR Dukedog 4-4-0 £305.00	PS10
JLK5 G.W.R Dean Goods 0-6-0£295.00	PS10
MERCIAN LOCO KITS LNW7 LNWR Webb 2-4-2T£180.00	PS10
SG5 LNER/BR J94 0-6-0T£180.00	PS10
GW2 GWR/BR 14/58xx 0-4-2T£175.00 DL1 LMS Armstrong Whitworth 0-6-0DE£175.00	PS11
DL6 LMS/BR 350HP 0-6-0 (7080-7119)£175.00	PS11
TOWER COLLECTION (D.J.H) BEGINNERS KITS	PS11
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	PS39
TOWER COLLECTION LOCO KITS	PS40 PS44
Require wheels, gears and motor TC6 LMS/Br Sir William Stanier£495.00	PS10
TC16 LMS/BR Duchess Sloping firebox £495.00	PS11
D.J.H LOCO KITS	PS11
K300 B.R Standard 84xx 2-6-2T £330.00 K301 B.R Standard 2MT 2-6-0 £386.00	
K302 LMS/B.R Ivatt 2-6-2T£330.00	PS01
K310A LNER/BR A3 with Corridor tender .£556.00	PS02
K317B BR Britannia with BR1/1A tender .£556.00 K324B B.R 9F 2-10-0 BR1B/BR1C £556.00	PS03 PS04
K326 B.R Class 03 complete kit £371.00	PS05
K336 LNER/B.R Peppercorn A2 £510.00	PS06
K338 LNER/B.R G5 0-4-0T£371.00 K340 B.R Class 14 complete kit£371.00	PS07 PS08
MOTORS, GEARBOXES AND GEARS	PSOS

MOTORS, GEARBOXES AND GEARS
GB14 Slaters diesel gearbox motor...... £90.25

GB40 R3M Slaters 30-1 gearbox motor . £98.60

£5.50

Romford gears varioous.....

Mashima flywheels

UEL MOMAN CONTROLLER	,
HELMSMAN CONTROLLERS CFSA 5amp Single Controller	
RM5 Remote handset for above PECO WAGON KITS	£40.00
W601 GWR Toad brake can	£36.95
W602 GWR Permanent Way brake	£36.95
W603 GWR 6 wheel brake W604 GWR 4 plank open	
W605 GWR Steel Open	
W606 GWR 10 ton Van	
W607 BR 16 ton Mineral wagon	£38.70
W608 BR 27 ton Iron Ore wagon W609 BR 20 ton Pig Iron wagon	£37.80
PECO LINESIDE KITS	
LK704 Wooden lineside hut kit LK705 Brick lineside hut	
LK709 Ground Level Signal Box	£26.00
LK735 GWR Yard Crane	
LK741 GWR spear fencing LK 742 GWR spear fencing ramps	
LK743 Field fencing and gates	
LK749 Loading Gauges (2)	
LK750 Single track level crossing gates. LK758 Platelayers tools	
LK759 Platform lamps (4)	£7.95
LK760 Telephone boxes (2)	
LK790 GWR home or distant signal PECO '0' GAUGE TRACKWOP	
SLE786BH Curved R/H Point	£50.00
SLE787BH Curved L/H Point	
SL700BH 12 yards flexitrack SLE791BH Right Hand Point	
SLE792BH Left Hand Point	£39.50
SLE797BH Y Point	£39.50
SLE790BH Double Slip SL10 24 metal railjoiners	
SL11 12 insulated railjoiners	£2.55
SL740BH Buffer stop	£2.55
TP1 Long Track pins (15mm) ST700 Box (6) 393mm straight	
ST725 Half circle 1028mm radius curves	
PARKSIDE WAGON KITS	000 50
PS14 B.R. Grampus Ballast PS16 L.N.E.R Loco Coal Wagon	
PS17 B.R 12 ton Pipe Wagon	
PS23 G.W.R 13 ton Open Wagon	
PS24 G.W.R 12 ton Unfitted Van	
PS25 B.R 24 1/2ton Mineral PS26 G.W.R 12 ton Fitted Van	
PS27 G.W.R 12 ton Open Tarp	
PS28 G.W.R 12 ton Plywood Van	£30.50
PS29 G.W.R Fruit Van PS30 B.R 16ton Mineral	
PS31 B.R 16ton Slope Sided Min	
PS32 B.R 16ton Min (S.N.C.F)	£30.50
PS33 B.R 8 Plank Mineral	
PS34 G.W.R Mogo PS35 G.W.R Plywood Mogo	
PS38 B.R Sand Wagon	
PS42 L.M.S 12ton Open	
PS45 L.N.E.R 12ton Van PS46 L.N.E.R 12ton Fruit Van	
PS47 G.W.R Loco Coal Wagon	
PS48 G.W.R Tevan	
PS49 G.W.R Mica Van	
PS100 SR Banana Van PS101 SR Meat Van	
PS104 NEW BR 21ton Coal Hopper	
PS106 LNER/B.R fitted cattle track	£30.50
PS107 NEW S.R Cattle Truck	
PS108 LNER/BR rivetted hopper wagon. PS110 SR/BR Insulated Van	
PS112 LMS/LNER/BR Gunpowder Van	£30.50
PS114 NEW LMS Banana Van	£30.50
Any six above for £152.65 Save 25% off R.R.P	
PS39 G.W.R/B.R Conflat & Load	
PS40 L.M.S/B.R Brake Van	£35.90
PS44 G.W.R/B.R Toad PS103 NEW S.R brake van	£35.90
PS111 M.R/L.M.S brake van	
PS113 NEW LNER/B.R Toad brake van	
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	
PS04 L.N.E.R 12T Van PS05 L.N.E.R Cattle Van	
PS06 L.N.E.R 4 Plank Open	£29.25
PS07 L.M.S 12T Van	
PS08 L.M.S Beer Van PS09 L.M.S Vent Van	
PS10 L.M.S Van with steel ends	
PS11 L.N.E.R 6 plank open	£29.25
PS12 S.R 8 plank open PS13 S.R Eliptical roof van	
	むろひ うと
Any six above for £146.25	.£29.25

	Ν
5.00	PS36 I PS37 I
0.00	PS102
5.95 5.95 3.70 0.90 0.90 7.80	PS105 PS109 Bu H1 L.M H2 L.M
3.70 7.80 7.80	H2A L. H3 L.N H3A L.
3.15 3.15 3.00 3.50 0.00 0.00 0.00 1.35 3.40 6.80 7.95 7.00	H4 L.N H4A L. H5 L.N H6 L.N H7 G.V H8 G.V H9 S.R H10 S. H11 G. H12 L. H13 S. H14 BF H16 LI
0.00 0.00 0.50 0.50 0.50 0.50 0.50 0.55 2.55 2	H17 LT H18 N H20 CE H22 B. H24 M H25 B. H26 B. H31 Pt H32 Pt H40 G.
3.75 3.50 3.50 3.50	7C021 7C022 7C019 7C030
0.50 0.50	SLATIT 7011 0 7012 0 7013 0 7014 0 7015 0 7016 0 7026 0 7025 5 7026 0 7025 7025 0 7025
).50).50).50).50	7074 I 7075 (7076 (
0.50 0.50 5.90	7035D 7035N 7035N 7035T
5.90 5.90	7035V 70360 7036P
5.90 5.90 5.90	7036U S I
0.05	7062 I 7063 I 7064 I
9.25 9.25	7065 E
9.25	7066 I

PS105 NEW G.W.R/B.R Horse Box PS109 NEW LNER Horse Box	.£47.25 .£47.25
Buy six horseboxes for only £23	6.25
H.M.R.S. TRANSFERS H1 L.M.S. gold loco and coach	c20 00
H2 L.M.S. yellow loco and coach	
H2A L.M.S. black style/Crewe loco	
H3 L.M.S. loco lining	
H3A L.M.S. coach lining H4 L.N.E.R. green loco and coach	£20.00
H4A L.N.E.R. black loco and Gill Sands	
H5 L.N.E.R. loco lining	
H6 L.M.S. goods wagon lettering	£18.50
H7 G.W.R. loco and coach lettering H8 G.W.R. loco and coach lining	£20.00
H9 S.R. Maunsell loco and coach lettering	
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 H13 S.R. goods wagon lettering	£18.50
H14 BR steam loco and coach lettering	
H15 BR blue diesel and coach lettering	£18.50
H16 LNWR/WCJS loco coach & wgn	
H17 LTSR/MR/SD/LY/MCR gds lettering . H18 N.E.R. loco and coach lettering	
H20 CB/NB/GSWR/HR/GNSR wgn lettering	
H22 B.R. mixed traffic/L.N.W.R. loco lining	£20.00
H24 MR/SDJR/LTSR/MGN loco & coach.	
H25 B.R. pre-TOPS wagon numbers etc. H26 B.R. pre-TOPS wgn instructions etc	£16.50
H31 Pullman crests, names and numbers	
H32 Pullman lining	£18.50
H40 G.N.R. coach lettering SLATERS PARCEL VANS	.£21.00
7C020 SECR/SR PLV/GUV	
7C021P SR bogie van B	2119.25
7C022 SR 4 wheel BY	£75.00
7C019 MR slatted milk van	£73.95
7C030 GWR siphon dia 05/06SLATERS WAGONS, VANS AND TA	NKFRS
7011 GWR 5 plank with sheet rail	£29.50
7012 GWR 7 plank open	£29.50
7013 GWR 4 plank open 7014 GWR iron loco coal	£29.50
7014 GWR 3 plank open	
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 7025 MR/LMS 8 ton fruit van	
7026 MR/LMS coke wagon	£27.85
7029 MR/LMS 3 plank open	£27.85
7030 MR/LMS cattle wagon 7042 LNER/BR 20 ton hopper	£28.95
7042 LNER/BR Alumina wagon	£31.25 £35.75
7051 MR sleeper wagon	£27.85
7052 LMS 7 plank loco coal	£31.20
7054 GWR cattle wagon 7032 MR/LMS 10 ton brake van 7033 LNER/BR 20 ton brake van	£38.50
7032 NFR/BR 20 ton brake van	£44.65
7034 MR/LMS 6 wheel brake van	£46.10
7053 LMS/BR 20 ton brake van	
7039 Rectangular tar tank	
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	
7035D Arthur Day (Swindon)	
7035M Thomas Meakins (Dorking)	£34.00
7035MH Morris Holloway (Hereford)	£34.00
7035T WH Thane (Leamington)	£34.00
7035W W.Woodley (Oxford)7036C Caebryn Colleries (Llandedie) 7036P Thomas Pascoe (Swansea)	£34.00
7036P Thomas Pascoe (Swansea)	£34.00
7036UN United National (S.Wales)	£34.00
SLATERS BR WAGONS AND V	
7062 B.R 12ton Vanwide	£35.85
7063 B.R Standard Van 7064 B.R 12ton Standard/Flat Van	
7065 B.R Meat Van	
7066 B.R. Insulated Van	£35.85
7067 B.R 13 ton conflat 'A'	£31.70
7069 B.R Lowfit Wagon 7070 B.R 12 ton Palvan	
7071 B.R 13 ton High Goods Wagon	
BACHMANN SCENECRAFT BUILI	DINGS
47003 Cattle DockSpecial offer	£25.00
47040 Diesel Refuelling Point	
47047 Hampton Hill Platelayers Hut 47203 Low Relief Corner Shop	£24.95
47004 Provender Store Special offer	£30.00
47009 Single Engine Shed Special offer	£60.00
47036 Sectional Lineside Hut	.£20.50

7056 14 ton petrol tank	7 000 Hectangular tar tarik	
7074 LMS 2000 Gal milk tank		
7075 GWR twin milk tank		
7076 GWR 300 Gal milk tank.		
\$\text{Staters Printed P.O. WagoNs}\$ 7350 Arthur Day (\$\text{Swindon}\)		
7035D Arthur Day (Swindon)		
7035M Thomas Meakins (Dorking) 24.00 7035MH Morris Holloway (Hereford) 234.00 7035W H Morris Holloway (Hereford) 234.00 7035W W Woodley (Oxford) 234.00 7036C Caebryn Colleries (Llandedie) 234.00 7036D Thomas Pascoe (Swansea) 234.00 7036UN United National (S.Wales) 234.00 SLATERS BR WAGONS AND VANS 235.85 7062 B R 12ton Vanwide 235.85 7063 B R Standard Vlan 235.85 7065 B R H 2ton Standard/Flat Van 235.85 7065 B R Meat Van 235.85 7067 B R 13 ton conflat Va 231.70 7070 B R 12 ton Palvan 235.85 7071 B R 13 ton brigh Goods Wagon 231.70 7070 B R 12 ton Palvan 238.85 7003 Cattle Dock Special offer £25.00 70404 Diesea R	SLATERS PRINTED P.O. WAGOI	NS
7035MH Morris Holloway (Hereford)£34.00 7035T WH Thane (Learnington)£34.00 7036C Caebryn Colleries (Llandedie)£34.00 7036C Caebryn Colleries (Llandedie)£34.00 7036D Thomas Pascoe (Swansea)£34.00 SLATERS BR WAGONS AND VANS 7062 B.R 12ton Varnvide£34.00 SLATERS BR WAGONS AND VANS 7063 B.R Standard Van£35.85 7063 B.R Standard Van£35.85 7065 B.R Insulated Van£35.85 7066 B.R Insulated Van£35.85 7067 B.R 13 ton conflat 'A'£31.70 7069 B.R Lowfit Wagon£31.70 7070 B.R 12 ton Palvan£35.85 7071 B.R 13 ton High Goods Wagon£31.70 BACHMANN SCENECRAFT BUILDINGS 7003 Cattle Dock\$9ecial offer £25.00 47040 Diesel Refuelling Point£39.95 47047 Hampton Hill Platelayers Hut£49.55 47004 Provender Store\$pecial offer £30.00 47009 Single Engine Shed\$pecial offer £30.00	7035D Arthur Day (Swindon)	£34.00
7035T WH Thane (Leamington) £24.00 7035W W.Woodley (Oxford) £34.00 7036C Caebryn Colleries (Llandedie) £234.00 7036P Thomas Pascoe (Swansea) £234.00 7036UN United National (S.Wales) £34.00 SLATERS BR WAGONS AND VANS £35.85 7063 B.R Standard Van £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 7076 B.R. In sulated Van £35.85 7070 B.R. I. owfit Wagon £31.70 7070 B.R. 12 ton Palvan £35.85 7071 B.R. 13 ton High Goods Wagon £31.70 7003 Cattle Dock Special offer £25.00 47044 Diesel Refuelling Point £39.95 47044 Hampton Hill Platelayers Hut £24.95 47203 Low Relief Corner Shop £25.95 47004 Provender Store Special offer £60.00 47036 Sectional Lineside Hut £20.50	7035M Thomas Meakins (Dorking)	£34.00
7035W W.Woodley (Oxford)	7035MH Morris Holloway (Hereford)	£34.00
7036C Caebryn Colleries (Llandedie)£34.00 7036P Thomas Pascoe (Swansea)£34.00 7036UN Junited 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 7070 B.R 12 ton Palvan £35.85 7071 B.R 13 ton High Goods Wagon £31.70 8ACHMANN SCENECRAFT BUILDINGS £7003 Cattle Dook 87003 Cattle Dook £95.60 87040 Diesel Refuelling Point £39.95 47040 Diesel Refuelling Point £25.95 47040 Diesel Refuelling Point £25.95 47004 Provender Store £95.61 offer £50.00 47003 Single Engine Shed £95.61 offer £60.00 47036 Sectional Lineside Hut £20.50	7035T WH Thane (Leamington)	£34.00
7036P Thomas Pascoe (Swansea)		
7036IN United National (S.Wales)	7036C Caebryn Colleries (Llandedie):	£34.00
SLATERS BR WAGONS AND VANS SLATERS BR WAGONS AND VANS 7063 B.R Standard Van	7036P Thomas Pascoe (Swansea)	£34.00
7062 B.R 12ton Vanwide	7036UN United National (S.Wales)	£34.00
7063 B.R Standard Van		
7064 B.R 1 2ton Standard/Flat Van		
7065 B.R Meat Van		
7066 B.R. Insulated Van	7064 B.R 12ton Standard/Flat Van	£35.85
7067 B.R 13 ton conflatt 'A'		
7069 B.R Lowfit Wagon		
7070 B.R 12 ton Palvan .235.85 7071 B.R 13 ton High Goods Wagon	7067 B.R 13 ton conflat 'A'	£31.70
7071 B.R 13 ton High Goods Wagon£31.70 BACHMANN SCENECRAFT BUILDINGS 47003 Cattle Dock		
BACHMANN SCENECRAFT BUILDINGS 47030 Cattle Dock Special offer 25.00 47040 Diesel Refuelling Point £39.95 47047 Hampton Hill Platelayers Hut £24.95 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		
47003 Cattle DockSpecial offer £25.00 47040 Diesel Refuelling Point £39.95 47047 Hampton Hill Platelayers Hut £24.95 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	7071 B.R 13 ton High Goods Wagon	£31.70
47040 Diesel Refuelling Point		
47047 Hampton Hill Platelayers Hut £24,95 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	47003 Cattle DockSpecial offer !	£25.00
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		
47004 Provender StoreSpecial offer £30.00 47009 Single Engine ShedSpecial offer £60.00 47036 Sectional Lineside Hut£20.50		
47009 Single Engine ShedSpecial offer £60.00 47036 Sectional Lineside Hut£20.50		
47036 Sectional Lineside Hut£20.50		
DI - I I EV4 CED	47036 Sectional Lineside Hut	£20.50
	Disalment EV4 OFD	

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			
99087 Great Northern Water Tower £37.50			
All the above can be seen on our website.			

NEW I IMITED EDITION DAPOL WAGONS CLUSIVE TO TOWER MODELS ONLY 100 OF EA Birmingham Railway Carriage and Wagon Gloucester Railway Carriage and Wagon Edward Eastwood Railway Wagon Works Lincoln Wagon and Engine Works Lincoln Wagon and Engine Works
R.Y. Pickering Carriage and Wagon
Metropolian Railway and Wagon
Joshua Grey (Howarth)
R. Fred Cole (Gloucester)
South Wales and Cannock (Worcester) Ruabon (Ruabon) Wood and Co (London)

Oshourne 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 Bit 5 plank open wagon
Bit 7 plank open wagon
Bit 8 plank open wagon
Bit 8 plank open wagon
GWR 5 plank open wagon
GWR 7 plank open wagon
GWR 7 plank open wagon
LWS 7 plank open wagon
Sit 7 plank open wagon
Edinburgh 7 plank open wagon
Edinburgh 7 plank open wagon
C.W.S. 7 plank open wagon
The C.W.S. 7 plank open wagon
Combined to the Combined Sit open wagon
Thomcliffe Izal 8 plank open wagon
Elay Main 8 plank open wagon
Elay Main 8 plank open wagon
NEW ICI 5 plank open wagon
NEW ICI 5 plank open wagon
NEW ICI 5 plank open wagon
NEW JOHON Stephens 7 plank
NEW Derbyshire Carriage works 8 plank
NEW AB Branley 5 plank
NEW AB Branley 5 plank
NEW AB STORE STORE
NEW AB STORE STORE
NEW AB STORE STORE
NEW AB STORE
NEW

NEW Ace of clubs All above RRP £42.70

our price £36.25 each DAPOL R.T.R TERRIER

Fully finished, superb value A1X B.R. Early crest #32665 A1X B.R. Late crest #32661 A1X S.R. Lined green #2644

ATX S.H. Lined green #2644
AT LBSC improved green "Thames"
AT LBSC "Brighton" gold medal
AT KESR blue "Bodium"
RPP £199.99 OUR PRICE £169.95
LAST FEW AVAILABLE BEFORE PRICE INCREASE
Also available with DCC sound

DAPOL CLASS OR DIESEL SHUNTER DAPUL CLASS OB DIESEL SHOWLER
Green; late crest no warning panel
Green; late crest with warning panel
Green; early crest no warning panel
Blue with wasp stripes
RRP £199.95 OUR PRICE £19.50
Available early 2016. Reserve yours NOW!

Class B tanker ESSO black Class B tanker waste oil black Class B tanker Regent black Class B tanker Mobil Charrington red Class B tanker Mobil Charrington Fuel Oil Class B tanker United Molasses VAA Van B.R. early bauxite VAA Van B.R. later bauxite

WAA Van B.R. later bauxite
VAA Van Relifreight red and grey
VAA Van EWS marroon and gold
OAA Open B.R. late bauxite
OAA Open B.R. later bauxite
OAA OPEN COMPANIENT COMP

IXION HUDSWELL CLARKE

R.T.R 0-6-0 LOCO Lined forest green RRP £299.00 OUR PRICE £225.00 OR FITTED WITH DCC SOUND £375.00

NEW IXION FOWLER 0-4-0 DIESEL SHUNTER
GWR No1 lined green
or private owner plain green
RRP £299.00 OUR PRICE £225.00 **NEW HELJAN CLASS 40** R R Rlue with vellow ends RRP £649.00 OUR PRICE £500.00

NEW HELJAN CLASS 31

Green with yellow panels RRP £579.00 OUR PRICE £460.00

NEW HELJAN DELTIC

Green with yellow panels
Blue with yellow front
Ltd Edition original green
RRP £599.99 OUR PRICE £475.00

HELJAN CLEARANCE OFFER

Class 33 green with yellow panel Class 26 green with vellow panel LIST PRICE £545.75 **OUR USUAL PRICE £435.00**

SPECIAL OFFER \$350.00 FACH ANY TWO FOR £675.00

ANY FOUR FOR £1300.00

HELJAN A.C. RAILBUS

Light green with cats whiskers Dark green with cats whiskers Green with vellow panel

RRP £495.00 OUR PRICE £395.00 Available now!

NEW HELJAN CLASS 60

Railfreight Triple grey sector livery Loadhaul livery E.W.S livery

RRP £649.00 OUR PRICE £510.00 Available late 2015. Reserve yours now!

NEW HELJAN FALCON

Lime green, green or blue Available late 2015 Reserve yours now!

HELJAN MARK1 COACHES

SK Second corridor coach SO Second open coach FK First corridor coach RMB Restaurant mini buffet BSK Brake second corridor Chocolate and cream or S.R. green maroon/carmine&cream/blue&grey RRP £325.00 OUR PRICE £250.00 4 or more pay only £240.00ea
Please check availability before ordering

HELJAN B.G'S

Crimson & cream, maroon, blue & grey, chocolate & cream, S.R green, newspaper blue or Royal Mail red. LIST PRICE £325.00 OUR PRICE £250.00 4 or more pay only £240.00ea

HELJAN G.U.V'S

Blue, express parcels, parcels red S.R green or B.R Maroon RRP £325.00 OUR PRICE £250.00 Any four or more for £240.00ea

NEW HELJAN WAGONS

Cargowagons 8 types Catfish and Dogfish 8 types Available late 2015. Reserve yours now!

HELJAN CLASS 42 WARSHIP

Ltd Ed original green (no panel) Green, yellow panel D827 'Kelly' Ltd Ed, green, yellow panel un-numbered Ltd Ed, green, yellow panel un-numbered Maroon, yellow panel D869 'Zest' Ltd Ed, Maroon, yellow panel un-numbered Maroon, yellow front D815 'Druid' Ltd Ed, Maroon, yellow front un-numbered Blue, yellow ends pre-tops D866 Zebra Ltd Ed, Blue yellow ends, pre tops, un-numbered Blue, yellow ends post tops 829 'Magpie' Ltd Ed, blue, yellow ends, post tops un-numbered RRP £699.00 our price £550.00 AVAILABLE EARLY 2016. RESERVE YOURS NOW

SEND STAMPED S.A.E AND ASK FOR FREE 40 PAGE '0' GAUGE PRICE LIST.

TOWER MODELS, 44 Cookson St., Blackpool FY1 3ED

Email: sales@tower-models.com TEL: 01253 623797 or 623799 FAX: 01253 623797

TEL/FAX CREDIT CARD ORDERS WELCOME. WORLDWIDE MAIL ORDER

Visit our well stocked shop, 200 yards from Talbot Rd. Bus Station (Blackpool North Railway Station 400 yards). Open Mon to Sat 9.30 to 5.00

Visit our website: www.tower-models.com

POSTAGE CHARGES

Orders up to £35.00 plus £2.50 p&p. Orders £35.01 to £150.00 plus £6.00 p&p. **ORDERS OVER £150.00 POST FREE** Overseas orders postage charged at cost.

All prices include VAT @ 20%.

We reserve the right to alter prices without notice.

SALES LINE 01432 352809

EMail - Sales@herefordmodels.co.uk 4 COMMERCIAL ROAD, HEREFORD. HEREFORDSHIRE, HR1 2BB www.herefordmodels.com

OFFICIAL HORNBY COLLECTORS CENTRE

31-268

31-269

31-364

31-365

31-366

32-926

32-928 32-937

32-936

32-980

31-677

32-177

31-426

31-377

31-575

31-577

32-515

MLV Jaffa.....

Class 03 BR Green weathered .. £76.45

Class 03 BR Blue.....£70.50

Class 03 BR Green£70.50

31-656DC CL47 BR Green£101.25

31-658 Cl 47 Petroleum Sector........£97.70

32-034A Class 20 BR Green£97.70 32-038DS Class 20 BR Blue£195.45

32-644 Class 20 BR Green£93.45

32-115 CL08 BR Blue.....£44.45

32-904DC CL108 BR Blue.....£96.99

32-906 CL108 2 car Green.....£93.50

32-429DS CL24 BR Green£124.95

32-515A Derby Lightweight Green......£93.97 32-805 CL47 BR Blue.....£68.95 32-526DS CL55 BR Blue.....£147.50 32-750 DC - CL57 FL - 57008 \$52.95 32-815 Class 47 InterCity£89.20 31-535 Cl 105 BR Blue Power Twin.....£84.45 31-537 Cl 105 Small Yellow Panel \$84.45 32-910 CL108 Blue/Grev£74.95

> Class 150 Sprinter....£135.95

> Class 150 Centro£127.45

CL150 Regional.....£63.50

Class 66 GBRF£86.40

CL85 BR Blue.....£85.99

CL08 BR Green£63.45 31-425A CL411 Green£103.99

CL411 BR Green£103.99

CL416 2EPB£85.99

Windhoff MPV NWR.....£104.00

Windhoff Railtrack£104.00

Derby Lightweight....£72.95

37-711Y	Pack of 3 GWR Cattle wagons, Non Weathered£27.20	37-557Y	TTA Shell Black 5169, Weathered£10.85	37-659Z	Benzole set of Three	.£29.95
37-711Z	Pack of 3 GWR Cattle wagons, Weathered£27.20	27-720 7	GWR Vent Vans, Weathered, Set of Three£25.45	22,200E	GWP Tood Broke	C11 25
37-577W	TTA Shell Black 5172, Weathered£10.85	31-1302	GWN Vent Vans, Weathereu, Set of Three	33-300F	GWN 10du Didke	. £11.35
37-557X	TTA Shell Black 5178. Weathered£10.85	37-675U	Mobil set of Thre £29.95	32-900Y	CL108 Blue/Grev	.£69.95

ME	AA KEFE <i>h</i>	<u> 19E9</u>
32-045	Class 20 BR Railfreight	£93.45
32-065	Class 20 BR Maroon	£118.95
32-066	Class 43 BR Green	£118.95
R335	Class 90 Schenker	£61.45
	32-045 32-065 32-066	32-065 Class 20 BR Maroon 32-066 Class 43 BR Green

NEW DELEACES

32-066	Class 43 BR Green £118.95
R335	Class 90 Schenker£61.45
R3278	Patriot Class Bradshaw £70.00
32-784	Class 37 Mainline Blue £106.20
32-785DS	Class 37 Dutch£203.95
32-786	Class 37 EWS £106.20
R3273	9F Franco Crosti Early £105.00
R3274	9F Franco Crosti Late £105.00

н	n	R	N	R	٧

R3195	City of Liverpool	£118.50
R3210	2800 GWR	£120.95
R3221	Duchess of Sutherland	£148.95
R3241	City of Bradford	£123.95
R3245TTS	A1 Tomado	£135.75
R3106	2800 GWR	£118.00
R3114A	B1 BR Late	£118.95
R3118	Penrice Castle	£118.00
R3132	A3 Book Law	£133.90
R2712X	T9 BR	£83.99
R2742	Schools Charterhouse	£78.95
R2843	Schools Dulwich SR	£94.45
R2744	Schools Blundells BR	£84.95
R2784X	Mallard	£85.00
R2881	LMS Class 5 Black	£65.95
R2916	CL2800 GWR	£93.45
R2917	2800 Class BR	£103.99
R2917X	CL2800 BR	106.45
R3016A	Standard 4MT BR Black	£109.00
R3093	Tornado Train Pack	£116.99
R3158	SR Schools Dover	£54.45
R3169	GWR Olton Hall	£72.50
R3206	BR Blue Tornado	£98.45
R3236	Duke of Gloucester	£109.75
R3224	TTS Tornado	£135.75
R3225	72XX GWR	£114.45
R3229	British Monarch	£119.25
R3276	LMS compound	£66.45
R3277	County of Devon	£61.25
R3284	TTS Flying Scotsman LNEF	R£87.90

Mail Order Service

All prices valid to 30.10.15 You must state these prices when ordering POSTAGE & PACKING RATES PER ORDER: • UK Standard Postage and Packing Rate £3.95 • UK Insured Postage and Packing Rate £7.10 • UK Courier Transport and Packing Rate £9.00

. Worldwide at cost . VAT free to non EC Worldwide at cost • WAT free to non EC
 Train Sets/Packs and Controllers/Handsets Postage charged at cost
 PRICES SUBJECT TO CHANGE
 WITHOUT NOTICE.
 ***Please allow 7 days for clearance
 when paying by cheque***

PLEASE GUOTE OUR SPECIAL
PRICES WHEN YOU VISIT US

CREDIT CARDS WELCOME PLEASE STATE EXPIRY DATE

R2806	Dean Single LMS Pack£124.75
R2815	Southern Suburban Ltd£159.00
R3059	Tornado Train Pack£128.45
R2887M	The Thames Forth£95.99
R2986	Date with the Duchy£179.90

R2663

R2696

R3260

R3268

R3346

R3347

R070

R083

R207

R600

R601

R604

R605

R606

R607

R608

R609

R610

R614

R615

HORNBY Diesel Electric Locomotives		
3302	Return from Dunkirk	£229.75
3219	1914 GWR Troop Train	£142.50
3186	Titfield Thunderbolt Set	£98.45
R2986	Date with the Duchy	£179.90
R2887M	The Thames Forth	£95.99

R2372m Royal Dutchey Pack.....£95.00

Scotrail Sleeper£88.99

Cl 101 - 2 Car \$65.25

)	2 HAL SR Green	£113.90
3	Class 67 Arriva	£122.90
)	BR Class 43 High Speed	£184.45

D0000	DD 01 40 11 1 0 1 0404 45
R3269	BR Class 43 High Speed£184.45
R3270	Mainline Class 43 High Speed £183.90
R3275	Class 31 Dutch Livery£55.45
R3177	BR 2 Bil SR Green£98.95
R2508A	CL121£47.95
R3044X	CL31 Network Rail£117.50
R2900XS	CL31 Railfreight£179.45
R3042	CL66 Colas£49.95
R3050A	CL56 BR Blue£106.45
R2755	CL86 BR Les Ross£43.95
R2508	CL121£47.50
R2508A	CL121£45.75
R2644	CL121 Choc/Cream£47.50
R3137	Class 73 Pullman£52.75
R3161B	SR 2 Bil£120.60
R3177	NRM 2 Bil BR Green£98.95
R3180	Tarmac Sentinel£44.95
R3214	Class 153 Anglia£89.50
R3281	Class 08 NRM£31.75
R3290A	BR 2 Hal Green£113.90
R3262	Class 31 DCR£142.45

HORNBY TRACK	
Turntable£	57.95
Buffer Stop	£1.35
Track Fixing Pins	£2.50

DB Schenker Class 92£70.45

....£71.45

Class 92 EWS

Track Fixing Pins	£2.50
Straight	£1.30
Double Straight	£1.95
Curve 1st Rad	£1.75
Double Curve 1st Rad	£2.05
Curve 2nd Rad	£1.70
Double Curve 2nd Rad	£2.20
Curve 3rd Rad	£2.10
Double Curve 3rd Rad	£1.95
Short Straight	£1.15
LH Diamond Crossing	£9.25
RH Diamond Crossing	£9.25
	Double Straight Curve 1st Rad Double Curve 1st Rad Curve 2nd Rad Double Curve 2nd Rad Curve 3rd Rad Double Curve 3rd Rad Short Straight. LH Diamond Crossing

R617 Uncoupling Ramp£2.30 R618 Double Isolating Rail£6.95 R620 Railer Uncoupler......£4.25 £1.70

R628	Half Curve 3rd Rad	£1.70
R643	Half Curve 2nd Rad	£1.40
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

R8026

Power Track

	HORNBY Track Accessories	III
R076	Footbridge	£11.8
R169	Junction Home Signal	£9.7
R170	Junction Distant Signal	£9.7
R171	Single Home Signal	£7.5
R172	Single Distant Signal	£7.5
R189	Single Brick Bridge	£6.3
R394	Hydraulic Buffer	£3.9
R406	Colour Light Signal	£18.9
R499	River Bridge	£10.7
R574	Trackside Accessories	£10.0
R626	Point Underlay	£3.2
R636	Double Level Crossing	£14.5
R638	Track Underlay	£7.9
R645	Single Level Crossing	£8.9
R657	Girder Bridge	£11.4
R658	Inclined Pier Set	£8.5
R659	High Level Pier Set	£5.6
R660	Elevated Track Side Walls	£16.4
R909	Track Supports	£6.4
	HORNBY Trackside	
R334	Station Canopy	£18.9

Station Canopy.....£18.95 R460 Straight Platform£2.95 R462 Large Curve Platform.....£3.95

		00 055	41 T DD DL 007 T0
R463	Small Curve Platform£3.20	32-955	4MT BR Black Late£87.50
R464	Platform Ramp£3.20	32-261	WD Austerity£110.40
R495	Platform Subway£3.20	32-260DC	WD Austerity£125.29
R510	Platform Shelter£9.45	32-509	BR 5MT Early Crest£104.55
R513	Platform Fencing£6.45	32-952A	4MT Early£62.95
R514	Platform Canopies£10.45	31-350	Class A2 Sugar Palm£107.99
R590	Station Halt£15.95	32-550A	A1 Tornado Apple Green£109.45
R8000	Country Station£26.75	32-550B	Tornado BR Green£127.95
R8001	Waiting Room£15.85	31-527	A2 Tudor Minstrel A/Green£96.45
R8002	Goods Shed£18.95	31-933	BR Compound Late Crest£112.88
R8003	Water Tower£10.95		•
R8004	Engine Shed£16.50	31-965	A4 Wild Swan BR£94.45
R8005	Signal Box£13.75	31-479	G2a BR Black£80.95
R8006	Diesel Maintenance Depot£18.75	32-165DC	N Class BR Early£86.95
R8007	Booking Hall£22.45	31-127	CL3000 BR ROD£118.45
R8008	Suspension Bridge£40.00	31-932DC	BR Compound£127.75

R04

R04

R04

R60

RRI

R8(

£3.75

44	Point Switch	£8.75
46	Two Way Switch	£5.95
47	On/Off Switch	£5.95
02	Power Connecting Clip	£1.50
014	Point Motor	£3.65
015	Point Motor Housing	.£2.95

Steam Locomotives				
31-001	Robinson BR Late Crest	£94.99		
31-002	Robinson BR Early Crest	£94.99		
31-003	Robinson LNER	£94.99		
31-128	BR ROD Weathered	£105.45		
31-138	BR D11/2 Black Early	£106.20		
332-154A	N Class BR Black weathered	£99.10		
31-213DS	Patriot BR Late	£201.45		
31-136DC	D11/2 BR	£115.90		
331-465	C Classs BR	£93.46		
31-626A	Class 3F BR	£71.25		
31-628DC	BR Black weathered	£93.20		
31-635	GWR Class 64XX	£71.21		
31-636	BR Class 64XX	£71.21		
31-637	64XX BR Green	£71.21		
31-564	V2 Durham School	£85.70		
31-565	V2 BR Green	£85.70		
31-780	Swithland Hall BR	£106.20		
31-781	Foremarke Hall BR	£106.20		
31-782	Thirlestaine Hall BR	£114.70		
31-783	Fountains Hall BR	£114.75		
31-881	BR Early Crest 4F	£76.45		
31-980	Standard 3MT Green	£110.45		
31-981	Standard 3MT BR Black	£101.95		
32-129A	Class 45XX Early BR Black	£72.20		
32-233	3F Jinty SDJR	£62.00		
32-084	Class 56XX GWR	£76.45		
32-085	Class 56XX BR Early	£76.45		
32-954	4MT BR Black Early	£87.50		
32-955	4MT BR Black Late	£87.50		

Orders taken 6 days a week 9 - 5.30 Monday to Saturday



	Point Switch	£8.75	
	Two Way Switch	£5.95	
	On/Off Switch	£5.95	
	Power Connecting Clip	£1.50	
ļ	Point Motor	£3.65	
)	Point Motor Housing	£2.95	

BACHMANN

	0104111 2000111011100	
1-001	Robinson BR Late Crest	£94.99
1-002	Robinson BR Early Crest	£94.99
1-003	Robinson LNER	£94.99
1-128	BR ROD Weathered	£105.45
1-138	BR D11/2 Black Early	£106.20
32-154A	N Class BR Black weathered	£99.10
1-213DS	Patriot BR Late	£201.45
1-136DC	D11/2 BR	£115.90
31-465	C Classs BR	£93.46
1-626A	Class 3F BR	£71.25
1-628DC	BR Black weathered	£93.20
1-635	GWR Class 64XX	£71.21
1-636	BR Class 64XX	£71.21
1-637	64XX BR Green	£71.21
1-564	V2 Durham School	£85.70
1-565	V2 BR Green	£85.70
1-780	Swithland Hall BR	£106.20
1-781	Foremarke Hall BR	£106.20
1-782	Thirlestaine Hall BR	£114.70
1-783	Fountains Hall BR	£114.75
1-881	BR Early Crest 4F	£76.45
1-980	Standard 3MT Green	£110.45
1-981	Standard 3MT BR Black	£101.95
2-129A	Class 45XX Early BR Black	£72.20
2-233	3F Jinty SDJR	£62.00
2-084	Class 56XX GWR	£76.45

ORDER BY TELEPHONE

31-576DC Windhoff MPV NWR.....£114.00

01432 352809



CASH

Phone opening times Mon to Thu 7am-9pm Fri & Sat 8am-6pm Sun 9am-5pm

Tel: 0151 733 3655

Email: preowned@ehattons.com

Shop opening times Mon to Sat 8am-6pm Sun 10am-4pm

"Thanks for the prompt service. I'm amazed that you sent a valuation less than a day after my original enquiry!"

Mr K Stevens, Hull

Money for your secondhand locos & rolling stock

"I was very pleased with the price offered by Hatton's and the simplicity of the service - I hope you find happy new owners for my Íocomotives'

Mr R Thompson, Surrev

Step 1

Contact us with your list of items

Email your list of items to: preowned@ehattons.com

Post your list to: 364-368 Smithdown Road, Liverpool, L15 5AN

> Phone us with your list on: 0151 733 3655







Step 2

Our experienced staff **Review** your list

A **Valuation** is made of your items



We make you an Offer

(usually within 24 hours)

All items listed online at

www.ehattons.com/ latestpreowned



Hundreds of new items added every day

All brands purchased:







Electrotren





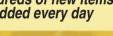


Step 3

Either **Send** us your items

Or we arrange to **Collect**





Step 5



We make **Payment**

Fast and secure with your choice of either

Cash - Bank Transfer - PayPal - Cheque

Step 4 Once we receive the items we'll **Check** them and **Confirm** the offer



"I've bought from Hatton's for years and the trade-in service is just as efficient and friendly as usual - great

Mr H Moorhouse, Lincoln





R3194 Schools Class No. 30937 "Epsom" BR Black E/E...... R3204 Class M7 No. 245 LSWR - NRM Special Edition... R3205 Hall Class 4965 "Rood Ashton Hall" BR Green L/C... R3208 Schools Class 4-4-0 30915 "Brighton" BR Black E/E.. R3220 Tyseley Connection Pitchford Hall Train Pack......

Kernow Model Rail Centre Visit www.kernowmodelrailcentre.com or call our team on 01209 714099

SHOP HOURS: MON - SAT..09.30-17.00 SUN..10.00-16.00

OR OUR FULL RANGE VISIT WWW.KERNOWMODELRAILCENTRE.COM R3222 2-8-0 42XX Class No. 4261 Great Western Green £119.99 £119.99 8942 Class 128 Diesel Parcels Unit No. M55993 Express Parcels Blue.£109.99 8990 Class 128 Diesel Parcels Unit No. M55987 BR Green......£101.99 2D-007-002 Class 66 Diesel 66 504 Freightliner Powerhaul..... 2D-007-003 Class 66 Diesel No. 66 177 EWS with white roof... R3223 2-8-0 42XX Class No. 4257 BR Black L/C.
R3252 2-8-0 52XX Class No. 5239 BR Black L/C.
R3252 2-8-2 72XX Class No. 7233 Great Western Green...
R3226 2-8-2 72XX Class No. 7218 BR Black E/E.
R3227 2-8-0 Class O1 No. 63663 BR Black L/C.
R3229 Slar Class No. 4021 'British Monardr' BR Green E/E.
R3232 Class J 15 No. 65445 BR Black L/C.
R3237 Castle Class No. 4073 'Caerphilly Castle'
R3234 Class K1 No. 62015 BR Lined Black L/C.
R3237 Class K1 No. 62015 BR Lined Black L/C.
R324C Llass K1 No. 62015 BR Lined Black L/C.
R324C Llass K1 No. 62015 BR Lined Black L/C. £119.99 8991 Class 128 Diesel Parcels Unit No. M55989 BR Blue...... 8992 Class 128 Diesel Parcels Unit No. M55990 BR Blue...... £101.99 £101.99 KMRC LIMITED EDITIONS IN STOCK HIGHLIGHTED IN BLACK! £101.99 £129.99 £114.99 £104.99 £104.99 DAPOL OO LOCOMOTIVES 4D-003-004 Class 52 D1058 "Western Nobleman" BB Blue... 4D-003-06 Class 52 D1068 Western Consort* BR Maroon... 4D-003-06 Class 52 D1065 "Western Cavalier" BR Blue... 4D-003-010 Class 52 D1010 "Western Cavalier" BR Blue... 4D-003-010 Class 52 D1010 "Western Explorer" BR Green.... £119.99 £119.99 31-128 30xx No. W. 32 SH bissics. 1
31-128 30xx No. W. 32 SH bissics. 1
31-137 Class D11/2 No. 6385 "Luckie Mucklebackit" LNER. ... £105.93
31-137 Class D11/2 No. 6385 "Luckie Mucklebackit" LNER. ... £106.93
31-136 Class D11/2 No. 6385 "Luckie Mucklebackit" LNER. ... £106.93
31-136 Lusb D11/2 No. 6285 "Haystour of Bucklew B1 E/E. £106.93
31-136 Jubilee No. 45560 "Falkiand Blands E/E. weathered. ... £127.95
31-189 Jubilee No. 45560 "Falkiand Islands" BR E/E. weathered. ... £127.95
31-189 Jubilee No. 45560 "Falkiand Islands" BR E/E. weathered. ... £118.93
31-65 Walmy Might C Class No. 31579 BR Black L/C. ... £99.99
31-529 AZ No. 60534 "Irish Elegance" BR Green E/E. ... £144.95
31-530 AZ No. 526 "Sugar Palm" LNER Green. ... £125.99
31-630 AZ No. 526 "Sugar Palm" LNER Green. ... £125.99
31-630 Class 54x 0-6-0 Pannier Tank No. 6417 BR Black E/E. ... £72.99
31-630 Class 64x 0-6-0 Pannier Tank No. 6417 BR Black E/E. ... £72.93
31-780 Modified Hall No. 6986 "Swithland Hall BR L/C. ... £10.93
31-781 Modified Hall No. 6965 "Thirlestaine Hall" BR L/C weathered £114.95
31-783 Modified Hall No. 6965 "Thirlestaine Hall" BR L/C weathered £114.95
31-783 Modified Hall No. 6965 "Thirlestaine Hall" BR L/C weathered £114.95
31-783 Modified Hall No. 7904 "Forunafies Hall" BR E/E weathered £114.95
31-783 Modified Hall No. 7904 "Forunafies Hall" BR E/E weathered £114.95
31-783 Modified Class 4 FNo. 43875 BR WJohnson/Deeley Tender £77.93
31-882 Midland Class 4 FNo. 43875 BR WJohnson/Deeley Tender £77.93
31-831 Midland 4-4-0 Compound No. 1189 LMS Black ... £11.439
31-393 Midland 4-4-0 Compound No. 1189 LMS Black ... £11.439 R3280 Class A4 No. 4496 "Golden Shuttle" LNER Garter Blue....... R3297X Railroad Jinty Class No. 16440, LMS Crimson.....NEW £ R3305 K1 Class No. 62059 BR Black E/E, weathered... ...£129.99 10 June 20 J 2D-017-002 Drwing Van Irailer No. 82101 Intercity Swallow...
2D-018-001 Hymek Dises No. 70766 IRB Blue, weathered...
2D-018-003 Hymek Dises No. 70766 IRB Blue, weathered...
2D-018-003 Hymek Dises No. 70763 BR Blue, weathered...
2D-018-003 Hymek Dises ID 7013 BR Green...
2D-018-001 Class 43 HST Bookset Intercity Executive...
2D-019-001 Class 43 HST Bookset Intercity Executive...
2D-019-002 Class 43 HST Bookset Intercity Executive...
2D-019-004 Class 153 DMU No. 153 371 Conform Midland...
2D-021-002 Class 153 DMU No. 153 371 Conform Midland...
2D-021-002 Class 153 DMU NW Set 156 508 Strathcyde...
2D-021-002 Class 156 2 Car DMU Set 156 508 Strathcyde...
2D-021-002 Class 156 2 Car DMU Set 156 508 Strathcyde...
2D-021-002 Class 158 C Car DMU Set 156 508 Strathcyde...
2D-021-002 Class 158 C Car DMU Set 156 508 Brathcyde...
2S-001-001 Manor Class 4-0-0 7810 "Tonayott Manor" GWR...
2S-001-004 0-6-0 57xx Pannier Tank No. 1971 Chooft Transport...
2S-007-005 0-6-0 57xx Pannier Tank No. 1971 Chooft Transport...
2S-007-006 0-6-0 57xx Pannier Tank No. 1972 GWR Green...
2S-007-001 0-6-0 57xx Pannier Tank No. 5746 GWR Green...
2S-007-001 0-6-0 57xx Pannier Tank No. 5724 GWR Green...
2S-007-001 0-57xx Pannier Tank No. 5724 GWR Green...
2S-007-001 0-57xx Pannier Tank No. 5724 GWR Green... ## 10037 | 22 Diesel No. D1050 "Western Ruler" weathered. £159.95 |
1003Y Class 52 Diesel No. D1050 "Western Ruler" weathered. £159.95 |
1003Y Class 52 Diesel No. D1030 "Western Viscount" withrd....£159.95 |
1003Z Class 52 Diesel No. D1030 "Western Musketeer" withrd...£159.95 £90.99 /ANS/TRUCKS 4F-037-009 Conflat Wagon No. N300478 LMS Grey. R3214 Class 153 DMU No. 153 309 "Gerard Fiennes SB001A JIA Nacco Wagon No. 33 70 0894 020-3, Pristine.. 2090 BR Blue. NRM Special Edition. 31-882 Midland Class 4F No. 43924 BR Black wFowler Tender I 31-931 Midland 4-4 O Kompound No. 1198 LNS Black. 31-933 Midland 4-4 P. No. 41157 BR Lined Black L/C. 31-990 Standard Class SMT No. 82020, BR Green weathered. 31-991 Standard Class SMT No. 82020, BR Lined Black, E/E... 32-094 Class 56X No. 6637, GWR Green. B001B JIA Nacco Wagon No. 33 70 0894 000-5, Pristine... B001C JIA Nacco Wagon No. 33 70 0894 001-3, Pristine...
 R3262 Class 31 Diesel No. 31 452, Devon & Cornwall Railways.
 £162 25

 R3262 Class 31 Diesel No. 31 452, Devon & Cornwall Railways.
 £162 25

 R3268 Class 67 No. 67 003 Arriva Trains Wales.
 £139.99

 R3269 Class 43 HST Eastern Region Train Pack BR.
 £209.99

 R3270 Class 43 HST Midland Mailine Teal Creen Train Pack.
 £209.99

 R3271 Class 43 Interoity Executive Train Pack.
 £209.99

 R3271 Class 70 No. 67 006 Toyal Sovereion's Royal Train
 £115
 £29.99 SB001D JIA Nacco Wagon No. 33 70 0894 002-1, Pristine... SB001E JIA Nacco Wagon No. 33 70 0894 003-9, Weathered SB001F JIA Nacco Wagon No. 33 70 0894 004-7, Weathered ..£101.95 ...£77.95 ...£77.95 ...£34.99 154A N Class No. 31404 BR Lined Black L/C, weathered....... 233 Fowler Class 3F 0-6-0 Jinly No. 23, SDJR Blue. 261 WD Austerity 2-8-0 No. 90441 BR Black E/E.... 508 Standard Class 5MT 73049 BR Green L/C, BR1 Tender... 509 Standard Class 5MT 73109 BR Black E/E, BR1B Tender.. 28-007-007 6-0 57xx Pannier Tank No. 4607 BR Black EFE. 28-007-008 6-0 57xx Pannier Tank No. 5774 GWR Green. 265.5 28-007-008 6-0 57xx Pannier Tank No. 5774 GWR Green. 265.5 28-007-008 6-0 57xx Pannier Tank No. 5774 GWR Green. 265.5 28-007-010 57xx Pannier Tank No. 5774 GWR Green. 266.5 28-007-011 57xx Pannier Tank No. 6746 GWR. 266.2 28-007-012 57xx Pannier Tank No. 5774 GWR Green. 266.5 28-007-012 57xx Pannier Tank No. 5774 GWR Green. 266.5 28-007-013 8750 Pannier Tank No. 5744 GWR Green. 266.5 28-007-013 8750 Pannier Tank No. 5744 GWR Green. 266.5 28-007-013 8750 Pannier Tank No. 5744 GWR Green. 266.5 28-008-000 A4 Sleam 60002 Commonwealth of Australia BR. 2108.5 28-008-000 A4 Sleam 60004 William Wintelaw LIRG Garter Blue. 1108.5 28-008-003 A4 Sleam 60004 William Wintelaw LIRG Garter Blue. 1108.5 28-009-003 80x Class Sleam No. 3819 GWR Green. 2114.5 28-009-003 80x Class Sleam No. 3819 GWR Green. 2114.5 28-009-007 38xx Class Sleam No. 3822 BR Black LIC. 2114.5 28-009-007 38xx Class Sleam No. 3822 BR Black LIC. 2114.5 28-010-001 Hall Class 4951 "Pendeford Hall" BR Ince Green LIC. 2109.5 28-010-001 Hall Class 4951 "Pendeford Hall" BR Ince Green LIC. 2109.5 28-010-003 Hall Class 4951 "Pendeford Hall" BR Ince Green LIC. 2109.5 28-010-003 Hall Class 5497 Losen 29208 BR Black LIC. 295.6 28-013-002 Class 9F 2-10-0 92226 BR Black LIC BRIG Green. 2114.5 28-013-002 Class 9F 2-10-0 92226 BR Black LIC BRIG Tender. 293.5 28-013-002 Class 9F Sleam 29205 2BR Black LIC BRIG Tender. 293.5 28-013-002 Class 9F Sleam Loco 800.6 GWR Green. 2114.5 28-013-004 Class 49x Sleam Loco 800.6 GWR Green. 2114.5 28-013-004 Class 9F Sleam 29205 2BR Black LIC BRIG Tender. 293.5 28-013-005 Class 9F Sleam 29205 2BR Black LIC BRIG Tender. 293.5 28-013-005 Class 9F Sleam 29205 2BR Black LIC BRIG Tender. 293.5 28-013-005 Class 9F Sleam 29205 2BR Black LIC BRIG Tender. 293.5 28-013-005 Class 9F Sleam 29205 2BR Black LIC BRIG Tender. 293.5 28-013-005 Class 9F Sleam 29205 2BR Black LIC BRIG Tender. 293.5 28-013-005 Class 9F Sleam 1000 80.4 70.7 97 BR £34.99 SB001G JIA Nacco Wagon No. 33 70 0894 005-4, Weathered R3275 Railroad Class 31 Diesel No. 31 144. Civil Engineers Dutch. £62.99 Vatt Class 2MT 2-6-0 46526 BR Green L/C, weathered. R3290A 2-HAL 2 Car EMU No. 2630, BR Green.
R3346 Class 92 Electric No. 92 009 "Marco Polo" DB Schenker.
R3347 Class 92 Electric No. 92 019 "Wagner" Triple Grey, EWS
R3349 Class 67 Diesel No. 67 024, EWS.
HORNBY DCC SOUND O 35-076 Class E4 0-6-2 No. 473 Southern Green. 35-077 Class E4 0-6-2 No. 32556 BR Black E/E. 35-078 Class E4 0-6-2 No. 32500 BR Black L/C. £93.95 £93.95 £93.95 Triple Grey, EWS.. R3160XS Robit West County Class Steam "Wincanton" ... £274.99
R3244TTS 4-6-2 71000 "Duke Of Gloucester" BR L/C ... £139.99
R3245TTS BR Peppercom Class A1 60163 "Tomado" BR L/E ... £154.99
R3246TTS Class E' No. 2001 "Cock O' The North" LNER Green. £154.99
R3286TTS Railroad Class A4 Steam "Gadwell" LNER ... £99.99
R3286TTS Railroad Class 40 Steam "Gadwell" LNER ... £99.99
R3286TTS Railroad Class 40 Steam "Gadwell" LNER ... £84.99
R3286TTS Railroad Class 50 Diesel D/232 "Empress of Canada" ... £84.99 X Class 205 2-H Thumper Unit No. 1121, BR Green.. HORNBY OO COACHES/WAGONS/VANS/TRUCKS 1-655 Class 47 No. 47 301 Red Stripe Railfreight - DCC Ready. 31-658 Class 47 No. 47 190 'Pectinidae' Trainload Petroleum, 31-995 LMS Prototype No. 10000, BR Brunswick Green. 31-996 LMS Prototype No. 10000, BR Brunswick Green........ 31-996 LMS Prototype 10001 BR Brunswick Green full Eggshell. 32-034A Class 20 No. 20 141, BR Green, weathered......... 371-511 Class 101 3 Car DMU BR Blue & Grey... £127.95 R4619A Mk1 BG Parcels Coach No. M80532 BR Maroon...NEW £24.99 R4620A Mk1 SO Second Open Coach No. M4368 BR...NEW £24.99 R4621A Mk1 Tourist Second Open Coach No. E4588 BR...NEW £24.99 TF No. E41063 BR Blue & Grey..... TS No. E42124 BR Blue & Grey..... ch No. W81015 BR WR......NEW 32-288 Class 101 / 2 Car DMU, BR Blue.
32-390.24 Class 37 Diesel No. 37 905, Tranload Metals.
32-390.24 Class 37 Diesel No. 37 905, Tranload Metals.
32-390.28 Class 37 Diesel No. 37 906, Original Railireight...
32-57 Berby Lightweight 2 Car DMU BR Blue.
32-580 Class 55 Dellic No. D9011 BR Two Tone Green...
32-786 Class 37 No. 47 742 Mainline Blue, weathered...
32-816 Class 47 No. 47 85- Diamond Jubilee Railireight Dis 32-816 Class 47 No. 47 85- Diamond Jubilee Railireight Dis 32-816 Class 47 No. 47 748 Royal London Society for the British Royal Royal London Society for the British Ro 371-70 Usbss 3001 Desiro 4 Car EMU 350 101 London Midland.
371-77 Class 90 Electrin No. 90 045 Freightliner.
372-061 Midland Class 47 3924 8H Bik LC Fowler Tender.
372-061 Midland Class 47 3924 8H Bik LC Fowler Tender.
372-062 Midland Class 47 3951 LMS Black Johnson Tender.
372-062 Midland Class 47 3951 EMS Black Johnson Tender.
372-193 Class 5 No. 4520 8H Billand Black EF.
372-193 Class 5 No. 4520 8H Lined Black EF.
372-181 Princess Coronation Class "Outpers of Hamilton".
372-183 Princess Coronation Class "Outpers of Hamilton".
372-183 Princess Coronation Class "Oit yof Emmingham".
372-183 Princess Coronation Class "Oit yof Emmingham".
372-185 Princess Coronation Class "Oit yof Bradford".
372-185 Princess Coronation Class "Oit yof Bradford".
372-185 Princess Coronation Class "Oit yof Bradford".
372-186 Princess Coronation Class "Oit yof Bradford 371-702 Class 350/1 Desiro 4 Car EMU 350 101 London Midland. £134.99 £93.99 ND079F B17 2863 "Everton" LNER Apple Green......ND099M Class 86 Electric Loco No. 86 401 Network So ND099M Class 86 Electric Loco No. ND099N Class 86 No. 86 261 EWS. £99.99 £97.99 .£99.99 .£49.95 .£127.99 .£127.99 .£127.99 .£127.99 31-265 Class 419 Motor Luggage Van No. S68001 BR (SR) Green.£99.99
31-266 Class 419 Motor Luggage Van No. S68006 BR (SR) Green.£83.99
31-267 Class 419 Motor Luggage Van No. S68006 BR Blue & Grey.£84.99
31-268 Class 419 Motor Luggage Van No. 9004 Network South East.£83.99
31-269 Class 419 Motor Luggage Van No. 860005 Jaffa Cake.......£83.99
31-375 Class 419 Motor Luggage Van Blue......£83.99 372-403 J39 No. 64841 BR Black L/C......372-425 WD Austerity Class No. 90732 'Vulcan' BR Black E/E -375 Class 416 2-EPB EMU No.5764 BR Blue..... -677 Class 85 Type AL5 No. E3056 BR Blue (Pre-TOPS)...... NUT392 4-62 AS Class 60079 "Bayardo" BR Lined Green E/E NUT392 AS Steam No. 60070 "Gladiateur BR Green E/C NUT395 AS Steam No. 60106 "Flying Fox" BR Green L/C NUT395 AS Steam No. 2744 "Grand Parado" LINER Green. NUT394 AS Steam No. 2744 "Grand Parado" LINER Green. NUT394 HAS No. 60094 "Colorado" BR Lined Green E/E. NUT395 AS 26 26 26 26 BR BILDE-Snowploup/Shreadcode disks. NUT456 Class 26 No. 26 040 BR Bilde - DCC Ready. NUT345 Class 26 No. D5307, BR Green - headcode disks. NUT450 Class 26 No. D5307, BR Green - headcode disks. NUT450 Class 26 No. D5307, BR Green - headcode disks. NUT450 Class 26 No. D5307, Br Green - headcode disks. 31-678 Class 85 No. 85 026 BR Blue. £94.95 -080X China Clay Wagon Triple Pack BR Bauxite, wea -537Y 20 Ton Brake Van No. B954687 BR, weathered. -260Y Delabole Slate Presflo Wagon Triple Pack, BR B 00G Cornish Riviera Coach Pack BR Chocolate & Cream. 3-000P Hunslet Barolay Weedkilling Mk1 Coaches Twin Pack. 3-001T Network SouthEast Mk2 Coach Pack BR Blue & Grey. 3-001U ScotRail Mk2 Coach Pack BR Blue & Grey. ND147 Class 86 Twin Pack Network Rail..... ND205A Class 27 Diesel No. D5356, BR Green.... ND205C Class 27 Diesel No. 27 008. BR Blue. ND205D Class 27 Diesel 27 032, BR Blue with full yellow ends. ND207C Q1 Steam Loco 0-6-0 C1 in Southern Black livery. ND207D Q1 Steam Loco 0-6-0 C7 in Southern Black livery. ND209B Class 122 Single Car DMU 122 100 Regional Railways. £97.99 £97.99 £99.99 £99.99 374-221 BR Mkrl Pulman First Class Krichen Car FK No. E315E BR...
374-290C BR Mkrl 57ft Suburban Second Open Coach......NEW
374-292 BR Mkrl 57ft Suburban Brake End Coach, whtred...NEW
374-312B BR Mkrl 57ft Suburban Brake End Coach, whtred...NEW
374-313 BR Mkrl 57ft Suburban Brake End Coach, whtred...NEW
374-333 BR Mkrl 57ft Suburban Brake End Coach, whtred...NEW
374-333 RS 50ft Bogie B Luggage Van 395 Southern Grm...NEW
374-630 SR 50ft Bogie B Luggage Van BR (SR) Green......NEW
374-632 SR 50ft Bogie B Luggage Van BR Bluce.........NEW
373-363 Triole Pack Conflat Wagons BR Crimson, weathered...IEW
377-337 Triole Pack Conflat Wagons BR Crimson, weathered...IEW 39-381Z Mk2a BSO Brake 2nd Open Coach BR ScotRail.. ND209Z Class 122 Single Car DMU No. 960015 Network Rail.....£109.99 2P-011-071 Gresley 2nd Class Coach No. E12043E BR 3086 Failroad Class A1 No. 4472 Flying Scotsman LNER Gree 3098 A1 No. 60163 Tornado BR Green EF. Special Edition... 83105 Castle Class No. 5075 "Wellington" GWR Green. 83106 Class 28XX No. 2807, GWR as preserved... 83107 19 Class No. 30313, BR Lined Black L/C. 2D-003-002 WD Loco D1038 "Western Sovereign" BR Green......£97.99 £109.99 £109.99 £109.99 £109.99 £109.99 £109.99 £86.95 We stock DYNAMIS Woodland Scenics PE(II) OXFORD



thinking outside the square concepts



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



6000+ quality products available for Model Railways! This is just a small selection from the ranges we offer!

Please buy from your local stockist wherever possible. You can find them, and view all of our products at: www.expotools.com TRADE ENQUIRIES WELCOMED.



Cable Stripper



4pc Modelmakers Tool Kit in Wallet



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



Professional Precision Oiler



Expo Professional Archimedes Drill Set







77550

8pc HSS Drill Set (Sizes 0.5 - 2.00mm)



and Compressor Deal



1950/60 Fire Crew 00 Gauge



Motorising Set





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



Code: 77510 3 in 1 Low Temperature Soldering Station



Deluxe Materials Ballast Bond with Tip (100ml)£5.25

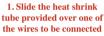


EZE-Wire

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!







2. Push the micro connectors together



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



Manufactured in Germany (High power version also available)

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

£69.95



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



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

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





132 page Free Catalogue available on our website!

www.expotools.com



20gm SAVBIT **High Quality Multicore Solder in Dispenser**

£2.95

We ask that you support your local model shop by buying from them. You can see a list of our principal stockists on our website. In case of difficulty obtaining items you can order direct on our website. www.expotools.com TRADE ENQUIRIES WELCOMED.

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



- Signal Box
- A6 A7 **Goods Depot Building**
- Water Tower & Weighbridge
- 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 B34 Bus Depot
- A15 Blue Brick Bridge/Tunnel Entrance B35 Market House
- A16 Stone Bridge/Tunnel Entrance
- **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

- | B36 The Country Fire Station

LOW RELIEF BUILDING SERIES

- C1 Hotel, Offices & Restaurant
- Cinema, Post Office & Shop Regency Period Shops & House
- C4 Four Redbrick Terrace Backs
- C6 Four Redbrick Terrace Fronts
- Redbrick Terrace Corner

Kits to adorn your layout



WWW.SUPERQUICK.CO.UK

FOR OVER 40 YEARS - THE MODELLERS CHOICE

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



dbmodels@live.com

4 Wheatsheaf Court, Deeping St Nicholas, Spalding, PE11 3TH

38TH ANNUAL



E SHOW FOR MODEL ENGINEERS



...more than just an exhibition - it's an experience...



Thursday 15th to Sunday 18th October 2015

SPONSORED BY



Meet over 40 clubs and societies. See over 1,000 models. Learn from the experts in the workshops and lectures. Buy from over 45 specialist suppliers.

Be part of the show, enter your work.

us on

Meridienne **Exhibitions Ltd**

BOOK YOUR TICKETS NOW

FREE SHOW GUIDE

ADMISSION PRICES	ONLINE TICKETS*	FULL PRICE TICKETS**
Adult	£9.00	£10.00
Senior Citizen	£8.00	£9.00
Child (5-14 yrs)	£5.00	£5.50
Family Ticket 1 (1 adult & up to 3 children)	£14.00	£15.50
Family Ticket 2 (2 adults & up to 3 children)	£23.00	£25.50

SHUTTLE BUS FROM LEAMINGTON SPA RAILWAY STATION FREE PARKING AT VENUE

Lecture programme, exhibitor list & bus timetables online.

GROUP DISCOUNTS: 10+ enter code GRP10 on website.

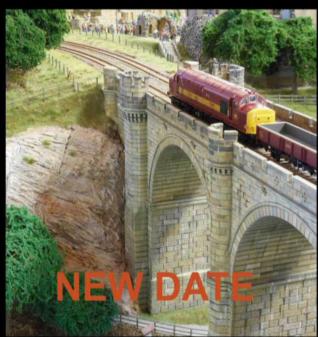
All information subject to change, correct at time of printing





MODEL RAILWAY EXHIBITION

NORTH WEST FESTIVAL OF



THE WORLDS END by Peter Goss.

LOIRE DRIVE, WIGAN, WN5 0UH Saturday October 3rd 10am to 5.30pm Sunday October 4th 10am to 4.30pm

ACCOMPANIED CHILDREN UNDER 16 FREE



KEEP UP-TO-DATE VISIT **OUR WEBSITE AT** www.wiganfrm.org.uk

THE EXHIBITION IS SPONSORED BY





NEW

e-commerce

website

coming soon





→ Payment in your preferred method → Happy to travel nationwide and view or collect

✓ Large collections a speciality Friendly and professional service

E ellis@ellisclarktrains.com

W ellisclarktrains.com

T 01274 809317

M 07799 554491

Online: www.sylmasta.com

Adhesives, Modelling Materials & Tools

RESIN AND RUBBER AVAILABLE IN LARGE AND BULKS QUANTITIES

Casting & Mould Making





Visit www.sylmasta.com/casting to see our Casting Kit demonstration video, with tips and techniques.

Accessories •

Polyurethane Casting Resins •

Silicone Moulding Rubber •

Coloured and Clear resins •



AVAILABLE IN ANY COLOUR



Sylmasta provide a complete casting range of casting materials for every project



Kit Contains

Thin

for bonding fine gaps and hairline cracks

general purpose bonding Thick

gap-filling and accurate bonding Activator

for instant curing

4x Precision Nozzles

AVAILABLE IN: WHITE, RED, BLUE, YELLOW



A+B

Modelling Putty

AVAILABLE IN LARGE QUANTITIES **VARIOUS CURING** SPEEDS AND IN ANY COLOUR.

£9.90.

- Very smooth and easy to use
- Create figures & deck
- Fill gaps and cracks
- Bonds to wood, metal, most plastics
- · Long working time

or phone +44 (0)1444 83145

Email: sales@sylmasta.com Sylmasta delivers WORLDW



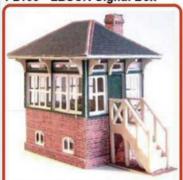








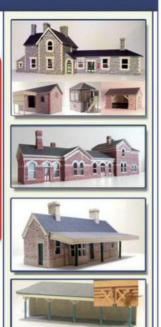
Pre-cut card kits of Southern Railway prototypes in 4mm and 2mm scales. P2109 - LBSCR Signal Box

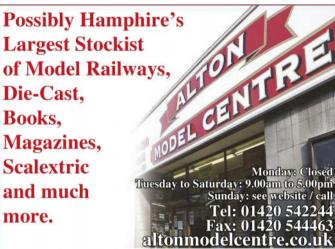


All products available in pregrouping, SR and BR(S) colour schemes. For our full range, please visit our website or send A5 SAE to: **ABM Railcraft** 40 Carmarthen Close

Yate Bristol **BS37 7RR**

www.abmrailcraft.com abmrailcraft@gmail.com





Second Hand Department NOW OF HORNBY LOCO'S - LAST FE

R2170	BR Merchant Navy		R2657	BR CLASS 3F No 47294 Pristine	£46.75
	"Holland Afrika Line"	£100.00	R2658	LMS CLASS 3F No 1670 Pristine	£46.75
R2429	NSE Class 50 "Superb"	£95.00	R2668	CLASS 121 BLUE W55024	£67.20
R2457	BR Britannia Class "Anzac"	£105.00	R2720	BR Late A3 Galtee More	
R2618X	BR (Late) Class 7MT			Germ. Defl. GNR tender	£119.35
	"Lord Rowallan" DCC Fitted	£129.00	R2724	BR Early N15 Sir Mileaus de Lile	£106.45
R2624	BR (Early) 61XX (Weathered)	£65.60	R2736	BR Late Castle (Collett tender)	
R2628X	BR (Late) Royal Scot Class		Sections of	"Bristol Castle"	£106.45
	"Black Watch" DCC Fitted	£105.00	R27432	X SR Schools Maunsell Green	
R2632	BR (Early) Rebuilt Patriot Class			"Charter House" DCC Fitted	£124.45
	"Sir Frederick Harrison"	£102.10	R2765	BR Civil Link Class 73/1 (Dutch)	£70.99
R2633X	BR Rebuilt Patriot Class "Planet"		R2771	BR Cl. 121 Green	£70.99
	circa 1949 DCC Fitted	£118.25	R2799	LB & SCR Terrier Brighton	
R2634X	BR (Late) Patriot Class "Bunsen"		TO DESCRIPTION	Collector Centre Special	£52.99
	DCC Fitted	£110.00	R2856	LMS City of Manchester	
R2635	LMS Stanier 4P 2cyl 2-6-4T	£80.60		Princess Coronation Class	£134.49
R2635X	LMS Stanier 4P 2cyl 2-6-4T		R2910	BR A4 "Dominion Of Canada"	
	DCC Fitted	£96.75		Ltd Edition	£131.50

See website for more...

All prices include postage.

Easy sound, lighting & control for all!



NEW Automatic Coach Lights for any Coach Now Available



NO wires - fit this in

NEW Fit real sound in your train - only £40!



Signal & Point Controllers DCC only



Various LFX Effects £15 inc Random

Clip -in Buffer Lights & Track Testers DC & DCC N & 00 only £5 each



Available direct from www.dcpexpress.com & model shops Order by 3pm for same day First Class despatch



2015 Model Rail 214

RROCHURE

DCP Express Bryon Court **Bow Street** Great Ellingham

01953 457800 / www.Train-Tech.com NR17 1JB, UK

£4 UK P&P - but this month quote MR214 for £2 off Postage!



brimal.co.uk

Sales 01429 297277

For all your Electronic, Electrical, & Hardware requirements for your hobby



Electronic Kits

Steam Engine Generator, Adjustable Timers, Speed Controllers, metal Detectors Infra Red Detectors, Position Control Circuits



Connection Rails

Ideal for soldering multiple wires to one point, can use one set as a positive rail and, the other set



Plugs & Sockets

We stock all the popular Plugs & Sockets you will require. Pluggable Terminal Strips, Solder Tag Boards, DIN, Jack, DC & AC Power.



Multicore Cable

screened cable in 8 & 12 core

CB599 to CB627



Mini Toggle Switches
Over 50 types of Mini Toggle
switch from Single Pole to 4
Pole, Point Motor Control Switch
SW301



Hardware
A full range of Self tapping screws, machine Screws, Nuts, Bolts, Washers, from M2 to M4 Also Feet, Control Knobs etc.



Switches Push Button, Toggle, Mini toggle, Slide, Leaf, Reed, Rotary, Thermal, Vibration, In fact all types of switches.

1/0.6 wire in 9 colours 7/0.2 wire in 9 colours 16/0.2 wire in 12 colours 24/0.2 wire in 11 colours 32/0.2 wire in 12 colours Available in 100m rolls or



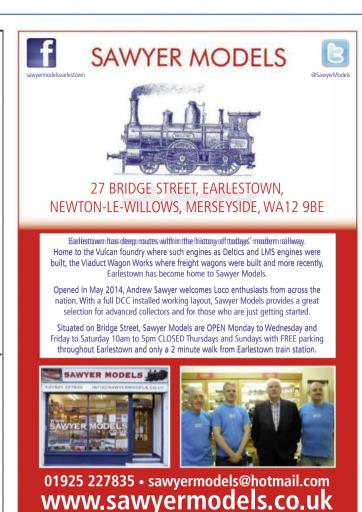
Tools & Service Aids

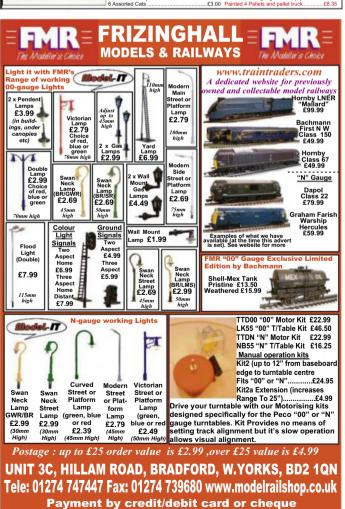
A complete range of small & miniature tool. Cutters, Magnifiers, soldering Irons, Pliers, Screwdrivers, Spanners down to M2. & many more....

We now have a Stock Catalogue. Please contact us on 01429 297277 for a copy

Payment on the web site brimal.co.uk If you have any problems ordering p 01429 297277and we will be pleased to take the order over the phone Don't forget to use the 10% discount code SP616 when ordering















C&L Finescale Modelling

The Track Specialist

All you need to start you off on the right track

C&L Flexi Track - the place to start

Prototypical **Sleeper spacing & length** for great looking track. **Turnout Kits** include chairs etc.

<u>Carr's</u> modelling products for your Solder and Fluxes, Chemicals, Ballast & Baseboard Fittings

Recent additions to our range

DCC Concepts

- Track & Back to Back Gauges with handles
- Colbalt Motors & Accessories (low prices)
- Colbalt Signal & Point operating levels
- DCC Decoders, Rolling Roads & Wheelsets
 Green Scene
- Scenic Scatter (huge range fine or course)
- 'Ballast Mate' ballast spreader (N, OO, O)
 Gaugemaster
- Seep Point Motors, Track Tester & CDUs
- Controllers/Transformers (full range)
 Dapol
- Working Signals (N, OO) Ready to use!

PECO Competitive prices

We also stock Ratio, Metcalfe & Wills (see website for more)

Sample Prices

'OO' SL100 x 1 (code 100) £2.95 SL100 Box (code 100) £63.95 SL80 Single slip code 100 £27.95 SLE192 Small Radius c.75 £9.50 'N' SL300 1 yard (code 80) £3 SL300 Box (code 80) £63.95 Code 55: SLE380F S/Slip £33.95 'O' SL700BH Box (c.124) £72.95 SLE791/2 'O' Med t/outs £38.95



Build your own plain track?

Use Exactoscale 'Fast Track' bases & rail or C&L chairs, sleepers & rail.

N Gauge — It's simple to 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 (4 miles M5 Junc 18 Avonmouth) Mon – Thursday 9am – 4pm



Viking Optical

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.



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.



Order the OptiVISOR with the VisorLIGHT for £76.90 and receive a FREE OptiLOUPE. ALL ORDERS POST FREE

OptiVISOR (with one lens plate)
OptiLOUPE
VisorLIGHT
Spare Plate
OptiSIGHT (with three lens plates)

£12.95 £26.95 £29.95

£29.95

£49.95

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



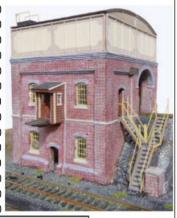
From the stonecast range that brings realism to your layout

MODEL ARCHITECTURE AT ITS FINEST

NEW "00" GWR COALING STAGE £67.50

A selection of our kits include:

Citadel Station£97.	50
North Light Engine Shed £69.	50
LNWR 'Coal Hole'£55.	00
Large Signal Box£52.	00
Concrete Ash Plant£69.	50
Concrete Coaling Plant£69.	50
Louvre Roof Engine Shed£69.	50
Stone Stations from £49.	50
Brick Station from £39.	50
Brick/Stone Water Tower £22.	50
Brick/Stone Goods Shed£49.	50
Brick/Stone Engine Shed from £43.	50
Brick/Stone Signal Box from £39.	50
Sand House£36.	50



PLEASE ADD £4.60 P&P

60 page "00" catalogue. Full of buldings, bridges, platforms and ideas for your layout £3.80 post free.





6 KIRKHILL, BLENCARN, Nr. PENRITH, CUMBRIA CA10 1TZ

MAIL ORDER ONLY PLEASE

MON - FRI 2-8pm Tel: 01768 88456



07973 768080 (eve)

Web

Phone



00/H0 & N

See our webshop for details

asy Free parking!!

Open Mon - Sat 9.30 to 5.00

cles & M/cycles with working lights!!









Manufacturers of in house designed and precision laser cut acrylic plastic kits for railway modellers

Contact us if you require something different for your layout

Contact us

Website

www.stoneybridge.co.uk

Email

gavin@stoneybridge.co.uk

Telephone

07970883663

Secure online shopping Find us on Facebook









4-8 Reform Street Kirriemuir Scotland DD8 4BS

Authorized Exactrail Dealer, Railflyer Prototype, Kato, Gaugemaster, Digitrax, Broadway Limited, Woodland Scenics.

BRITISH CONTINENTAL AND AMERICAN

To Contact us:- email is best or mail to the above address

ian@ecscenics.co.uk

www.macsmodels.co.uk www.ecscenics.co.uk

Telephone 01575 572397

Payment:- £4.95 PER ORDER. Overseas at cost. Postal orders, Cheque, IMO (sterling), All Major Credit Cards & Debit Cards

Opening Hours Monday - Saturday 10.30 - 5.00pm. Sunday - Closed Our full terms & conditions are available on our website or by sending us a SSAE



www.expressmodels.co.uk

LIGHTING SPECIALISTS

You may know us as manufacturers of head and tail lights and coach lighting but did you know we also stock Kadee Couplers, Seuthe Smoke Generators, Tortoise and Fulgurex Point Motors. Also our own products, No Solder DCC Power Bus Kits, 4mm Scale Telegraph Poles and our own range of LEDs including White, Red, Yellow and Bi-colour in various sizes and formats.

Visit our website which has secure online shopping. Please send £3.00 for our 50 page catalogue which lists our full range.

EXPRESS MODELS, 65 CONWAY DRIVE, SHEPSHED, LOUGHBOROUGH, LEICS. LE12 9PP



Tel:01509 829008 Fax: 01509 560878 Email: sales@expressmodels.co.uk



ascupboard.co.uk











www.semodelseastletgic.co.uk

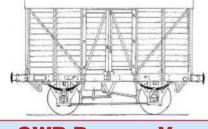
Your one stop shop for the model enthusiast, selling brand new and near-new model trains, slotcars, sets, and diecast toys at very special prices direct from our our website or new shop in Eastleigh.



Models moved to No9 and Games Workshop/Spares Dept at No7. We now have a R/C Department at No7 Open 5 days a week 9am-5pm (Both shops closed Wednesday and Sunday)

7/9 High Street, Eastleigh,Hants. 5050 5LB emaik info@acmodelaeaatleigh.co.uk

Parkside Dundas



GWR Banana Van 00 Gauge: 4mm Scale

The GWR introduced a fleet of vans in the early 1920's to carry ripening bananas from importing ports to inland warehouses. These vans survived into the 1950's

GWR Banana Van Y4 ref PC88 £9.00

HAVE YOU SEEN OUR NEW LMS CATTLE TRUCK? LMS Cattle Truck 1661 ref PC87 £9.00

Visit our website for details of more kits Catalogues – '0', '00' or '009' £2.00 post paid each. SAE only for 'N' leaflet. Please add £3.00 p&p per order.

Exhibitions:

Aylesbury Scaleforum 19-20 Sept; Linlithgow Scot GOG 17 Oct; Wigan 3-4 Oct; ExpoNG Swanley 31 Oct



Millie Street, Kirkcaldy, Fife KY1 2NL **Telephone and Fax: 01592 640896** Email: sales@parksidedundas.co.uk Web: www.parksidedundas.co.uk



MAD ABOUT TRAINS OF GAINSBOROUGH

For all your Model Railway needs from design to finished layout, scratch built buildings, trees dioramas etc. 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 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 e-mail: sales@madabouttrains.co.uk www.madabouttrains.co.uk





LISKEARD RAILWAY MODELS

STATION ROAD LISKEARD **CORNWALL PL14 4BX** TEL: 01579 349950

www.liskeardrailwaymodels.co.uk Email info@liskeardrailwaymodels co.uk Facebook Liskeard Railway Models

by BACHMANN Trains, Train sets (Analogue & Digital), Rolling Stock & Figures.

Extensive Range in Scenery Products, Tools, Accessories & Repairs. Stockist of all major supplies in all gauges. Expert advice on all aspects of the hobby.

SUPPORTING CORNISH TOY FAIRS IN LOSTWITHIEL **ON SUNDAY OCTOBER 25**



Γrains4U.com

Peterborough's Model Railway and Slot Car Specialists



















27 St. David's Square, Fengate,









Peterborough PE1 5QA









We also stock 00 & N gauge from Bachmann, Base Toys, Britbus, Classix, Corgi, Dapol, Deluxe Materials, Dornaplas, EFE, Farish, Gaugemaster, Heljan, Hornby, Humbrol, Kestrel, Metcalfe, Modelscene, Oxford Diecast, Peco, Plastruct, Ratio, Superquick, Wills, Woodland Scenic.

ONLINE SHOP www.churchstreetmodels.co.uk

Mon-Sat 09.30-17.30 • Closed Tues & Bank Hols

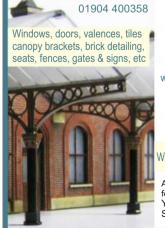
Church Street Models, 10A, Church Street, Basingstoke, Hants, RG21 7QE

01256 358060 • Mail Order Welcome





NEW Kit F207 LNER N5 Class 0-6-2T..... NEW Kit F206 Furness Railway/LMS Class L2. **NEW** 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 RD, FOREST ROW, EAST SUSSEX, RH18 5DZ Telephone 01342 824711 Fax 01342 822270 VISA website: www.sefinecast.co.uk



Architectural detailing for scratch builders and upgrading kits

Precision laser cut plastic pieces with realistic depth. Affordable and easy to use; creating perfect results.

> Lineside detailing **Building kits & Tools**

www.**yorkModelmaking**.co.uk

Alternatively send a large SAE for 0, 00 or N scale price lists to York Modelmaking, Unit 13, Bull Centre, Stockton-on-Forest, York, YO32 9LE

CARD KITS FROM THE CARD MODELLING SPECIALISTS Card kits & backscenes

Unsurpassed artist-drawn designs inted on thin card (not die-cut), with lots of option



Semi-det houses Garage w. pumps Church ('OO' needs A4)

FREESTONE

Public house
School / village hall
Walls, fences, etc.
Country station
Factory or dairy
2-road engine shed

B4 Platform accessories B5* Signal boxes B6ATunnel mouths, gree B6ATunnel mouths, green granite ("OC only) B6CTunnel mouths, brown stone ("OC")

P&P (UK) £3.00 per order. Overseas at cost

Country goods shed Gas holder etc 2 thatched cottages Famo outbuildings

"The Manor" Based on multiple F4 kits with added detail parts and Scene-Setters glazing

Platform accessories
Signal boxes
Viunnel mouths, green
granite ("OC ority)
Stone ("OC" ority)
Viaduct & lock-ups
Coaling stage etc
Water & oil tanks (N)

SAE for bro

Cochure (B&W)

Eff Georgian house backs
F1* Row of stone cottages
F2* Stone smithy & house
F3* Stone chapel
F4* Stone hotel / inn
F5* Stone school / w'house
F6* Walls, fences, paving etc
G1* Low rellef row of shops
G3* Scats* Warehouse
G4* Brick houses / shop
G3* Scats* Warehouse
G4* Goods receiving depot
NB TEMP OUT-OF-PRINT:
NO* A1, 82, E6, F1, F2, G1;
N* A3, 83, 85, D4, F4, F5
Te1: 01993 775979
Z8 Newland Mill, Witney
Oxfordshire Ox28 3HH
www./freestonermode/.co.uk

2mm kits:

£1.50 ea.

chure (B&W)

4mm kits:

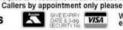
£2.50 ea.

ues to "Freestone Model Accessories"

MODEL **ACCESSORIES**







Web:

egaPoints Controllers

Awesome layout control system

MegaPoints Servo Controller features:-

- · Control up to 12 points, semaphores or relays!
- Can be used for gates, uncouplers, barriers, doors etc.
- Simple setup programming buttons on the main board!
- · Variable speed control and reversing.
- · Built in memories for quick route setup!
- All connections via plugs (supplied), no soldering needed.
- Uses industry standard servos costing as little as £1.50 each!
- Amazing semaphore bounce realism physics modelled and random, each bounce is subtly different!
- · Works with analogue, DCC, steam, any gauge.

Also available:-DCC Module

- Control a single board or your whole layout. MultiPanel controller
- One cable easy wiring for your mimic panels. Routing processor
- One touch setup of your entire layout.

No computer required, it becomes part of your layout.

1. Connect 2. Plug in switches servos Connect power

4. Start using!

Control up to 12 relays or servos with this board

Web: www.loolee.org - British designed and built!

Static Grass? Not At These Price

CHECK THE WEBSITE FOR OUR FULL RANGE OF MODELLING PRODUCTS



Hartlepool is **BACK!** 24th & 25th October

W: themodeltreeshop.co.uk E: sales@themodeltreeshop.co.uk Hartlepool College, TS24 7NT The Model Tree Shop, 4 David Hume View, Chirnside, Scottish Borders, TD11 3SX Tel: 01890 819021 Fax: 01890 817 111

My Hermes £4.95 P&P Royal Mail £6.95 P&P

MODEL RAIL Marketplace

CALL GEMMA ON 01733 366379 • gemma.smith@bauermedia.co.uk

Books & DVDs

Dereks Transport Books www.derekstransportbooks.com Over 8000 Books in Stock On-line Based in the New Forest Established 1995



RAILWAY BOOKS **BOUGHT & SOLD**

Free Railway Booksearch Service 155 Church Street, Paddock, Huddersfield, HD1 4UJ

(Shop: Tue/Wed 11:00-17:00 + Thu 14:00-20:00) www.railwaybook.com email: nick@railwaybook.com

Tel: 01484 518159

GEOFF GAMBLE BOOKS

Railway book specialist covering UK and overseas prototypes, also modelling, bus, tram and shipping books. Book searches a pleasure. Visit-www.geoffgamblebooks.co.uk for further details. MANY BOOKS POST FREE
On-line ordering now at www.rail-books.co.uk
Tel: 01293 406137

Kits

- 0 Gauge Kits -

CONNOISSEUR MODELS

- Quality Etched & Cast Metal Kits -- Locos, Carriages & Wagons -

www.jimmcgeown.com

or Send S.A.E. for printed catalogue 1 Newton Cottages, nr Weobley HR4 8QX

Batterdale Books

We buy and sell British & overseas railway books and of course model railway books. Thousands of titles are always available on our web site. Field House, 9A School Lane, Heslington, York YO10 5EE. Web: www.BatterdaleBooks.co.uk Tel: 01904 870 869

Kits





Each package deal contains the Dapol plastic kit, our etched n.silver chassis kit, our body detailing (or interior) kit, Mashima motor, Romford gears, wheels and all screws wire, etc. to complete. All parts available separately

All parts available separately Railbus p/deal with full interior Drewry '04' diesel complete p/deal BR Mogul & tender complete p/deal City of Truro complete p/deal Most parts available separately

BLACK BEETLE MOTOR BOGIES



Powered 'Black Beetle' £48.50 Unpowered 'Dummy Beetle' £17.50 Black Beetle N/S disc wheels £3.30/axle

£59.50 £65.00 £97.00 £99.00

TENSHODO MOTOR BOGIES

WB 24.5, 26, 28.7, 31mm with 10.5mm disc wheels in stock at £32.00, WB 35/10.5 disc wheels £35.00, WB 35/14 disc wheels £36.50, 10.5 or 11.5mm spoked wheels, please add £3.50

P.O BOX 4293, WESTBURY BA13 9AA Tel/Fax: 01373 822231 E-mail: sales@branchlines.com BLOG: branchlines.blogspot.com

Cat's SSAE + £1 (in stamps) or £2.50 C. Card and PLEASE STATE INTERESTS P&P: UK £2.25 (value under £30), £3.50 (£30 to £60), £4.50 (over £60). Non EU and BFPO less VAT. Exports £4.00 minimum. VISA. MASTERCARD. SWITCH/MAESTRO. SOLO EXPORTS WORLDWIDE

Hours: Mon-Thursday: 9.30-1, 2-6



MEW Turntable Mechanism

Electro-mechanical indexing (as shown) ensures accurate positioning, speed control and direction. Use alone or with DCC.

See it and order from our website:www.emardee.org.uk 🗏



Manufacturer

NEW KIT!

LSWR/SR '0395' 0-6-0... £55 'Merchant Navy'; 1st series as built £70 1st, 2nd or 3rd Series BR condition £60 New moulds;- EE 'GT3' £60, SECR/SR 'O1' £55 SR 'Z' 0-8-0t £40, SR Maunsell diesel shunter £40 Try us for painting & lining, from 'N' to 'O' www.goldenarrow.me.uk

Please send SAE + 2 1st class stamps for latest OO list 392 HAROLD ROAD, HASTINGS, SUSSEX TN35 5HG Telephone 01424 445334

Kits

NEW from **ALPHAGRAPHIX**

HUNSLET 0-6-0ST 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

Online Shops



Lever Frames by MODRATEC

- simple or interlocked with mech'l or elec'l 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 1064

Models Wanted

Tri-angman

Specialist in Model Railway Tri-ang, Hornby, Bachmann, Wrenn. Minic. etc

BUY & SELL HARD TO FIND ITEMS & COLLECTABLES

Find me on www.tri-angman.co.uk tel: 07966 333605 laurence@tri-angman.co.uk

National

www.wicormodels.com

7 West Street, Portchester, Hampshire P016 9XB Tel: 023 9235 1160

email: mail@wicor-models.co.u<mark>k</mark>

Stockists of a range of products from: Hornby, Bachmann, Dapol, Gaugemaster, Graham Farish, Parkside Dundas, Peco, Corgi, EFE, Oxford Diecast, Scalextric, Airfix, Humbrol, Expo Tools and many others.

Open Monday to Saturday 09:00 to 17:00

Online Shops



Producing your locomotive and rolling stock in 4mm/7mm/10mm

SEE OUR WEBSITE

www.modelrailways.TV

roxeymouldings.co.ul

Loco, Coach & Wagon Kits Fittings & Accessories Wheels / Motors & Gears in 00 and 0



PHOENIX PRECISION PRECISION PAINTS & CHERRY PAINTS

The Original and still the best



Steam Locomotive Name and Number Plates. & Kits and bits from

No Nonsence Kits .co.uk sales@ 01268 730549

Online Shops

COOPER CRAFT

4mm Scale Wagons, Coaches and Lineside Also Some 7mm and 16mm Available Spare Parts Available

www.cooper-craft.co.uk

TrainModels net Sheffield, S6 6WX

PO Box 3393

www.trainmodels.net

Text: 07763 836082



Saturday 14th November 2015

Photographic

Colour-Rail

NEW - Concise Slide Catalogue

Lists loco number, location, date and quantity sold for every slide issued. £10 incl P&P

the essential reference guide to identifying Colour-Rail slides

Final Sale of slide stock e-mail or send sae for list

45,000 images

on line at www.colour-rail.com

e-mail colourrail@aol.com 558 Birmingham Road Bromsgrove B61 0HT

Repairs

MOTOR REPAIRS

HORNBY, DUBLO, WRENN & TRIANG MOTORS

Repaired, rewound & remagnetised. Also DCC chips installed and old Triang wheels updated. Rewheeling with Romford Wheels.

OO Locos serviced from £17.50 plus parts & post **CLOSED NOVEMBER & DECEMBER**

SCALESPEED Est 1966 32 Goldfinch Lane, Lee on the Solent, Hants PO13 8LN

Tel 02392 554107 / 07774 253352

Web www.scalespeed.co.uk

Email scalespeed@btinternet.com

Transfers



waterslide transfers for all gauges, eras & hobbies

Our transfers are used by Bachmann Europe, Pete Waterman George Dent, countless spray-shop cturers & engineers v

30+ new transfer packs every month!

"A class of their own and a joy to use."
Pete Waterman, ORF, DI

www.railtec-models.com

Dealer Directory

Avon

MODELMANIA

13 CLOUDS HILL ROAD, ST GEORGE, BRISTOL, BS5 7LD

Stockists of: Bachmann, Coopercraft. Cambrian, Dapol, Gaugemaster, Graham Farish, Hornby, Parkside Dundas, Peco, Ratio, Wills, Metcalfe, Superquick and much more. 1:76 scale road vehicles

📕 🔤 TEL: 0117 9559819 FAX: 0117 94111:

BUSES 42 AND 43 FROM THE CENTRE ASK FOR THE FOUNTAIN

Buckinghamshire

TRANSPORT TREASURES 4

Bachmann, Hornby, Peco, Gaugemaster, etc. **ALL AT COMPETITIVE PRICES**

Commission sales undertaken

Shop at: 2 London Road, Aston Clinton, Aylesbury, Bucks, HP22 5HQ. Tel: 01296 631002 Opening Hours: 11am - 3pm Mon, Tues, Wed, Fri. CLOSED THURSDAY. 11am - 3pm Saturday, 11am - 1pm Sunday,

P & D Marsh Model accessories for N & OO

Painted & finished signals **GWR** Home N £7.60 OO £11.00 GWR home/distant N £ 8.65 OO £13.50 GWR Left junction N £14.50 OO £18.95 GWR Right junct. N £14.50 OO £18.95 Painted loco crew N £7.60 OO £ 8.00 Pained fire buckets N £6.50 OO £6.75

www.pdmarshmodels.com 01525 280068

Cheshire

Tel/Fax 01270 589079

Hornby, Bachmann, Farish, Heljan, Dapol, Peco, Gaugemaster, Geoscenics, DCC Systems, Humbrol, Plastruct, Precision Metals, Ratio, Wills, etc.

OPEN THURS, FRI, SAT ONLY 10AM - 4PM



No10, The Craft Arcade, Dagfields Craft Centre, Crewe Road, Walgherton, Nantwich, Cheshire. CW5 7LG

www.tridenttrains.co.uk

01270 842400

Cumbria & Lake District



Bedfordshire



Devon

THE MODEL SHOP

Specialist Model Railway Stockist 4 ST DAVID'S HILL, EXETER EX4 3RG Just off the Old Iron Bridge

NOW AGENTS FOR NCE DCC CONTROLS

www.trainsandtrack.co.uk Tel: 01392 421906

Open: Monday-Saturday 9.30-5.00 pm

East Midlands

GEE DEE MODELS

- NOTTINGHAM N, 009, HOM, HO, 00, 016, 5, 0, G

www.geedee-modelshop.com Email: hobbies@geedee-modelshop.com

MODEL RAIL

FSSEX

CHELMSFORD

John Dutfield

Stockists of: HORNBY

• Peco • Bachmann • Lenz • Graham Farish • Wills • Ratio

and much more including secondhand





WARDS YARD, 133 SPRINGFIELD PARK ROAD, CHELMSFORD, ESSEX, CM2 6EE

 $01245\ 494455\ {\rm Open}\ 9\text{-}5.30\ {\rm Mon,\,Tues,\,Thurs,\,Fri,\,Sat.\,Closed\,Weds\,\&\,Sun.}$ Email: heatherwilkinson@btconnect.com Web: johndutfieldmodelrailways.co.uk

Kent

KENT GARDEN RAILWAYS

Specialist suppliers of G scale and 16mm garden railways LGB ♦ Accucraft

Bachmann

Aristocraft ◆ Piko ◆ Pola Roundhouse

USA Trains, etc.

Large stocks of 00 and N from all leading suppliers

Hornby ◆ Bachmann

Farish • Heljan

Peco Dapol

Metcalfe ◆ Ratio Wills ViTrains

Woodland Scenics, etc.

American HO and N from leading suppliers

www.kgrmodels.com

66 High Street, St Mary Cray, Orpington, Kent BR5 3NH Telephone: 01689 891668

Shop open: Monday to Saturday 09:00 to 17:00

North Yorkshire



Find us by Monk Bar 2 Goodramgate York YO1 7LQ ., Tel. 01904 659423

Scotland

TIME TUNNEL MODELS Unit 3, Fenton Barns, North Berwick EH39 5BW

www.GoldStarStockists.net Free P&P on orders over £30 01620 850728

Glasgow

Waddell's Models

56 Bell Street, Merchant City, Glasgow, Lanarkshire G1 1LQ 0141 552 8044

Open TUES-SAT 10am-5.30pm

Open for Modelling Advice, Service & Repairs, DCC Decoder Fitting and Limited Edition Models selling all Scales and gauges including 2mm, 4mm, N, OO Closed for holiday from 27th July-10th August inc We stock Bachmann *Dapol * Farish * Heljan * Hornby * Peco and many more.

North Wales

Model railways, ames workshop, Diecast models (Corgi-Dinky-Matchbox), Plastic kits (Airfix-Revell etc)

NEW AND USED ITEMS BOUGHT AND SOLD

High St, Rhuddlan Tel: 01745 590048

www.rhuddlanmodels.co.uk

Isle of Wight

Visiting the Isle of Wight?

Two floors of engines, wagons, coaches, buildings, scenery, electrics, figures, cars and much more!

N/009/HO/00/On30/G

UPSTAIRS DOWNSTAIRS

Pier Street - Sandown - PO36 8JR 01983 406 616 - www.udiow.com

Scotland

Plastics - Metals - Scenics



www.sportsandmodelshop.co.uk

66 High Street, Dingwall, IV15 9RY Phone: 01349 862346

Surrey

Addlestone Models

The Shop with the Stock Surrey's leading Discount Model Centre

Open 7 Day's Mon - Sat 9:30 - 5:30, Sun 11 - 2 130 Station Road, Addlestone.

Surrey. KT15 2BE www.addlestone-models.co.uk 01932 845440

EAST SOMERSET MODELS

THE RAII WAY STATION CRANMORE, SHEPTON MALLET, SOMERSET, BA4 4QP

'MODEL RAILWAY SPECIALISTS'

We carry comprehensive stocks from the major manufacturers

00 Gauge: Hornby, Bachmann, Dapol, Heljan and Peco

N Gauge: Graham Farish, Peco and Dapol

0 Gauge: Heljan, Peco and Bachmann

Dapol 00 and N Gauge Gold Dealer

We also hold a large range of modelling accessories, vehicles and scenic materials. Our team have over 100 years combined experience of railway modelling.

Mail order a pleasure.

Apr-Sep: Wed, Fri, Sat 10.30am-4.30pm, Sun 11.00am-3.00pm Oct-Mar: Wed, Fri, Sat 10.30am-4.00pm, Sun 11.00am-3.00pm

Telephone: 01749 880651 - www.esmodels.co.uk - Email: mail@esmodels.co.uk

Surrey



DCC kit £4.10 DC kit £4.90 • 4 coach extension kit for above £5.20

Co to Ebay, click on advanced search, click on Ebay shops and click on Coach Lighting Coach Lighting for less than £2 per coach

07801 796864

105 Charlock Way, Burpham, Guildford, Surrey. GU1 1XY

coach-lighting.com



Surrey's DCC Specialists

Telephone: 01372 452976

Website: www.roxleymodels.co.uk Email: enquiries@roxleymodels.co.uk

Address: 4 Beckley Parade, Leatherhead Road, Great Bookham, Surrey, KT23 4RQ Opening Hours: Mon-Fri (9.30-17.00), Sat (10.15-17.00), Sun (Closed)

SUSSEX

GREAT NEWS!

Train Times Model Shop

is now open again.

Find us at

37 Seaside, Eastbourne, BN22 7NB

(01323) 722026 traintimestoo@gmail.com

www.traintimesmodelshop.co.uk













To advertise in MODEL RAIL classified call 01733 395004

Staffordshire

THEHOBBY GOBLIN

New Retail Outlet

STOKE-ON-TRENT

54 Hamil Road, Burslem, ST6 1AU

Hornby, Bachmann, Peco, Dapol, Gaugemaster, Graham Farish, Metcalfe and much more!

Telephone: 01782 818433

E-mail: thehobbyaoblin-uk@hotmail.com

www.thehobbygoblin.co.uk

THE TUTBURY JINNY

COLLECTABLES 01283 814777 MODELS Tutbury Mill Mews, Tutbury, Nr. Burton-upon-Trent DE13 9LU.

Available Now: Bass/Worthington vent van £9.25 + £2.00 P & P

Available Now: 6 Wheel Milk Tanker Nestle - oo Gauge £17.50 + £2.00 P & P

Available SOON: 6 Wheel Milk Tanker Nestle - o gauge Orders invited for the o gauge

Surrey

HORLEY BOOKSHOP MODEL SCALE RAIL CENTRE

117 Victoria Road, Horley, Surrey RH6 7AS

Tel: 01293 783558 www.scalerail.co.uk info@scalerail.co.uk scalerailhorley

- All major model railway brands stocked
- Rolling stock, track, scenics, kits, paint etc.
- Specialising in N and OO gauge
- Baseboards made to your specifications
- We also sell books, cards and other gifts Mail order a pleasure

Open Mon-Sat 9.00-5.00 and Sun 10.00-2.00 Pay & Display car park at rear of shop

We are just 10 minutes from Gatwick Airp

Tyne and Wear



Wales

THE RAILWAY SHOP

Bachmann - Hornby - Peco - Dapol - Wills Ratio - Gaugemaster - Kadee - NCE Metcalfe - Helijan at discount prices.

Mail order welcome. Bachmann 7F 31-010/1 £105.57

Open: Weekdays 10.30-5.00 Sat. 10.30-4.00

rofits support the Pontypool & Blaenavon Railway

Don't miss the next issue of **MODEL RAIL**

on sale 22 October



MODEL RAIL IS

Created for the iPad. Model Rail is now available from the App Store. You are now able to enjoy Model Rail photography as you have never seen it before, plus videos, picture galleries, sound samples and much more...

GET YOUR FREE SAMPLER AT THE APP STORE



Your A to Z guide to advertisers in this issue. If you'd like to advertise in Model Rail, contact 01733 366379

A&H Models	68	Ghost Signs.com	153	Printed Textiles	154
ABM Rail Craft	149	Golden Valley Hobbies	154	Rails Of Sheffield	117/136
AC Models	154	Great Rail Journeys	15	RM Toys	118
Alton Model Centre	149	Great Rail Journeys	103	Ron Lines	114
Bachmann	2	Harburn Hobbies	151	Sawyer Models	150
Blue Tang Software	119	Hatton's Model Railways 122-	129/140	Scalescenes.com	152
Book Law Publications	146	Heathcote Electronics	85	South Eastern Finecast	155
Brimal Components	149	Holt Model Railway	121	Southwest Digital	69
C&L Finescale	151	Howes Models	152	Specialist Crafts	47
C&M Models	153	Isinglass Models	152	Stoneybridge Structures	153
Church Street Models	155	Kernow Model Rail Centre	141	Superquick	145
Coastal DCC	68	KJB Models	142	Sylmasta.com	147
DB Models	145	Langley Models	150	The Hereford Model Centre	139
Dapol	35	Liskeard Railway Models	155	The Hobby Shop	154
DCC Supplies	68	Mac's Model Railroading	153	The Junction Box	154
DCC Train Automation	68	Mad About Trains	155	The Model Tree	156
DCCconcepts 1	11/120/143	Marcway Pointwork	148	The Spraygun Company	115
DCP Microdevelopments	149	Mega Points Controllers	156	Tower Models	138
Digitrains	66	Meridienne Exhibitions	146	Townstreet	152
Durham Trains Of Stanley	153	Metcalfe Models	130	Trains 4U	155
Elite Baseboards	112	Millbrook Publishing Services	119	Vectis Model Auctions	147
Ellis Clark Trains	147	Model Railway Solutions	150	Viking Optical	151
Expo Drills & Tools	144	Model Railway's Direct	132	Waltons Of Altrincham	155
Express Models	153	Modellers Mecca	148	Warners Group	118
Finescalebrass	77	Modelrailwayscenery.com	113, 151	Warwick & Warwick	163
Fox Transfers	152	Morris Models	152	Wickness Models	69
Freestone Model Accessorie	es 155	N Gauge Society	152	WW Scenics	116
Frizinghall Models & Railwa	ys 150	Off The Rails	119	York Model Making Co.	155
Gas Cupboard Models	153	Osborn's Models	151	Youchoos	69
Gaugemaster	134,164	Parkside Dundas	154		
GC Weathering	148	Peter Richards	118		
GFB Designs	69	Peter's Spares	148		

CLASSIFIED INDEX Classified advertisers on pages 157-159

Addlestone Model Centre
AGR Model Railway Store
Alphagraphix
Barry Potter Fairs
Batterdale Books
Branchlines
Coach Lighting
Colour-Rail
Connoisseur Models
Cooper Craft
Dereks Transport Books
East Somerset Models
Gee Dee Models
Geoff Gamble Books

Golden Arrow Productions
Haslington Models
Jacksons Models
John Dutfield For Model
Railways
Kent Garden Railways
Mercian Models
Model Railway Developments
Modelmania Of Bristol
Modratec c/c DCC Supplies
Monk Bar Model Shop
Nick Tozer Railway Books
P&D Marsh
Phoenix Paints

Pooleys Puffers
Railtec Models
Rhuddlan Models
Roxey Mouldings
Roxley Models Shop
Scale Rail Model Centre
Scalespeed
Solihull Model Railway Circle
Stowmarket Railway Club
Swansea Railway Modellers
Group
The Hobby Goblin
The Model Shop (Exeter)
The Railway Shop

The Sports And Model Shop
The Tutbury Jinny
Time Tunnel
Tony Oakes Fairs
Train Times
Trainmodels.net
Transport Treasures
Tri-Angman
Trident Trains
Upstairs Downstairs
Waddell's Models
Wicor Models

Model Rail magazine is published 13 times per year by Bauer Consumer Media Ltd, registered address 1 Lincoln Court, Lincoln Road, Peterborough, PE1 2RF. Registered number 01176085. No part of the magazine may be reproduced in any form in whole or in part, without the prior permission of Bauer. All material published remains the copyright of Bauer and we reserve the right to copy or edit, any material submitted to the magazine without further consent. The submission of material (manuscripts or images etc) to Bauer Media whether unsolicited or requested, is taken as permission to publish that material in the magazine, on the associated website, any apps or social media pages affiliated to the magazine, and any editions of the magazine published by our licensees elsewhere in the world. By submitting any material to us you are confirming that the material is your own original work or that you have permission from the copyright owner to use the material and to and authorise Bauer to

use it as described in this paragraph. You also promise that you have permission from anyone featured or referred to in the submitted material to it being used by Bauer. If Bauer receives a claim from a copyright owner or a person featured in any material you have sent us, we will inform that person that you have granted us permission to use the relevant material and you will be responsible for paying any amounts due to the copyright owner or featured person and / or for reimbursing Bauer for any losses it has suffered as a result. Please note, we accept no responsibility for unsolicited material which is lost or damaged in the post and we do not promise that we will be able to return any material to you. Finally, while every reasonable precaution is taken to ensure accuracy, Bauer is not responsible for any errors or omissions, nor do we accept any liability for any loss or damage, howsoever caused, resulting from the use of the magazine.

1:34 (e) (45 (e) 5) (l) 5

The Old Sage, CHRIS LEIGH, revisits a favourite haunt...





Top: Art - an area under development includes the famous art deco Hoover Building. The real thing is just up the A40 at Greenford.

ART OR SCIENCE?

tisa long time since I last went to Bekonscot. I first visited the iconic model village and Gauge 1 model railway at Beaconsfield when I was a child. It captivated me then and it has never failed to re-engage me every time I've been there since. Those occasions have included performing the opening of their new two-rail control system in the 1980s and filming the first Model Rail video there a decade later.

However, visiting with three children (ages nine, seven and two-and-a-half) really gives a visit a whole new dimension. Is Bekonscot art or science? It re-ignited my desire to take my 'O' gauge and 'On3O' out into the garden. I had made some progress in that direction at my previous home, before I sold it and moved. Maybe next year...

There is both art and science in the way that Bekonscot entertains younger viewers. With its low barriers and narrow paths that place the children right in among the buildings as they go round, it can hardly fail to captivate them. That's surely science? The buildings, the details, the figures, the cameo scenes and the elaborate planting of hundreds of miniature plants and 'bonsai' trees are undoubtedly art.

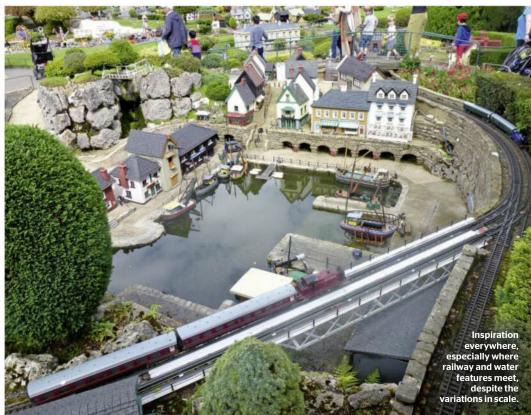
Here's a handful of the pictures I took. Enjoy! Though it closes for winter maintenance at the end of October, Bekonscot is open on six weekends in the run-up to Christmas. Check the dates, pick a dry day and go!

Bekonscot is operated by the Church Army and all proceeds go to charity.

Above: Science - the sailing boat follows the same course, tacking sharply left as they approach, but how is it done?

Left: Working cameos include a moving road roller and a smouldering thatched cottage which smokes at intervals.

Inset: Lucy Fisher, built for the film Greystoke, the Legend of Tarzan, operates from Runnymede and I've enjoyed many trips on it.



Subscribe at www.model-rail.co.uk

IN THE NEXT ISSUE OF... OCTOBER 22 CONSALE OCTOBER 23 CONSALE OCTOBER 24 CONSALE OCTOBER 24 CONSALE OCTOBER 25 CONSALE CONSALE OCTOBER 25 CONSALE CONSAL



Putting down the power

Left baffled by talk of volts, amps, digital and analogue? GEORGE DENT and DAVE LOWERY guide you through the tricky world of wiring your layout, whether DC or DCC.



LET THE PLANE TAKE THE STRAIN...

Like trains? Then there's a good chance you're into planes too. We present the ultimate guide to military airfield layout corner fillers as GEORGE DENT and MIKE HARRIS offer top tips on finishing plastic kits.

(RAIL)ROAD TO SUCCESS?

How easy is it to turn a Hornby RailRoad locomotive into a super-detailed model? CHRIS LEIGH finds out, using the new 'Hall' as a guinea pig.

Selling your model railway

Warwick and Warwick have an expanding requirement for early to modern collections of British and Foreign trains and train sets from large accumulations to items of individual value. Our customer base is increasing dramatically and we need an ever larger supply of quality material to keep pace with demand. The market has never been stronger and if you are considering the sale of your collection, now is the time to act.





FREE VALUATIONS - We will provide a free, professional valuation of your collection, without obligation on your part to proceed. Either we will make you a fair, binding private treaty offer, or we will recommend inclusion of your property in our next public auction.

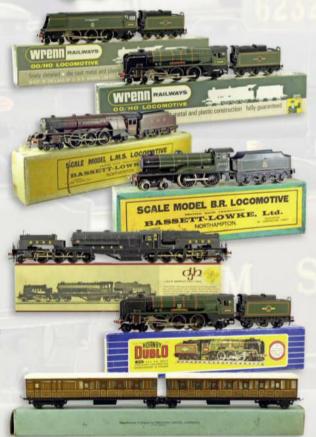
FREE TRANSPORTATION - We can arrange insured transportation of your collection to our Warwick offices completely free of charge. If you decline our offer, we ask you to cover the return carriage costs only.

FREE VISITS - Visits by our valuers are possible anywhere in the country or abroad, usually within 48 hours, in order to value larger collections. Please phone for details.

ADVISORY DAYS - We are staging a series of advisory days and will be visiting the following towns within the next few weeks: Newbury, Darlington, Durham, Stockton on Tees, Oban, Dumbarton, Livingstone, Walsall, Londonderry, Belfast, Runcorn, Oldham, Sheffield, Sudbury, Braintree, Burnley, Blackburn, Telford, Enfield and Dartford. Please visit our website or telephone for further details.

EXCELLENT PRICES - Because of the strength of our customer base we are in a position to offer prices that we feel sure will exceed your expectations.

ACT NOW - Telephone or email Richard Beale today with details of your property



Get the experts on your side!



Warwick & Warwick Ltd., Chalon House, Scar Bank, Millers Road, Warwick CV34 5DB England

Tel: (01926) 499031 • Fax: (01926) 491906 Email: richard.beale@warwickandwarwick.com



GAUGEMASTER Spotlight

DCC Decoders



OMNI Series Decoders

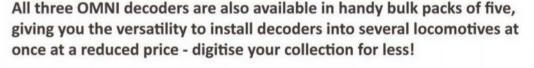


The OMNI range of decoders are the follow up to our popular range of OPTI DCC decoders. With the need for a 21 pin decoder (for use in Bachmann and Heljan locomotives, and some Dapol diesel locomotives) we took the opportunity to refresh the whole range and source a new family of decoders that can solve most scenarios in just three items.

The OMNI range have the ability to do so much more than the leading manufacturer's basic decoder, but they have more features included which are not proportional to the difference in price.

You get so much more for just a few pounds more.

- Back EMF for perfect low speed running
- Consisting (double-heading)
- Special lighting effects (firebox lights, flashing)
- On track programming
- Address locking
- Full Technical Support





DCC27 OMNI 21 & 8 Pin Decoder (BPDCC27 five pack) Most Suited to OO/HO Gauge Locomotives

A really versatile decoder for use with locomotives that have 8 Pin or 21 Pin sockets.

Dimensions: Length 22mm Width 16mm Depth 5mm Harness Length: 75mm

BEST FOR OO Versatility



DCC28 OMNI 8 & 6 Pin Decoder (BPDCC28 five pack) Most Suited to OO/HO Gauge & N Gauge Locomotives

6 Pin decoder with plugable 8 pin harness. This very versatile 2 function decoder is very small so it can fit in most locomotives regardless of space.

Dimensions: Length 15mm Width 8mm Depth 2mm Harness Length: 55mm

BEST FOR Multi Scale



DCC29 OMNI Direct Plug Decoder (BPDCC29 five pack) Most Suited to OO/HO Gauge Locomotives

A 4 function decoder suitable for direct plug fitting into suitable OO and HO Locomotives.

Dimensions: Length 15mm Width 12mm Depth 10mm

BEST FOR Small Spaces

Other Decoders



DCC22 Very Small 8 Pin Decoder
Most Suited to OO/HO Gauge Locomotives

Key features of this standard decoder include smooth operation, 14/28 speed steps, plug and play, transponder id-equipped, all mode programming, decoder reset CV, motor isolation protection, advanced consisting, 2 and 4 digit addressing and DCC compatability. this decoder is rated at 1 amp (2 amp peak) with 2 functions at 0.5 amps.

Dimensions: Length 11mm Width 9mm Depth 3mm Length with Harness: 65mm

BEST FOR Size



DCC23 2 Function 6 Pin Decoder Most Suited to N Gauge Locomotives

Key features of this standard decoder include smooth operation, 14/28 speed steps, plug and play, transponder id-equipped, all mode programming, decoder reset CV, motor isolation protection, advanced consisting, 2 and 4 digit addressing and DCC compatability. this decoder is rated at 1 amp (2 amp peak) with 2 functions at 0.5 amps.

Dimensions: Length 11mm Width 9mm Depth 3mm



DCC26 Standard 8 Pin Decoder

Most Suited to OO/HO Gauge Locomotives

Fantastic value decoder from our original OPTI Range, available again. 4 function, 1.1 amp decoder with adjustable CVs for motor control, Back EMF, built in lighting effects, supports consisting. It is compatible with DC running, and has a full factory reset function. The decoder can be set with any address from 0-9999.

Dimensions: Length 19mm Width 11mm Depth 5mm Harness Length: 90mm

BEST FOR Tight Budgets

Decoder Doctor



DCC15 Prodigy Decoder Doctor

Makes programming and reading back your decoders easy! This device allows you to test decoders before or after installation.

There is a built-in 8 Pin socket, and the Decoder Doctor also comes supplied with an adaptor harness allowing you to also test 6 Pin decoders.

You can also attach it to a test track for testing already fitted decoders.

Power comes from either a 15V power supply (DCC65) or your DCC Main Track output.

PRICES

BEST FOR

N Scale

Code	Description	RRP
DCC15	Prodigy Decoder Doctor	£79.95
DCC22	Very Small 8 Pin Decoder	£24.95
DCC23	2 Function 6 Pin Decoder	£24.95
DCC26	Standard 8 Pin Decoder	£13.95
DCC27	OMNI 21 & 8 Pin Decoder	£18.95
BPDCC27	OMNI 21 & 8 Pin Decoder (Five Pack)	£89.95
DCC28	OMNI 8 & 6 Pin Decoder	£20.95
BPDCC28	OMNI 8 & 6 Pin Decoder (Five Pack)	£99.95
DCC29	OMNI Direct Plug Decoder	£19.95
BPDCC29	OMNI Direct Plug Decoder (Five Pack)	£94.95

GAUGEMASTER products are availble from your local Model Shop or, in case of difficulty, direct from ourselves.