

4 CAR S STOCK LIGHT & SOUND SET

• Interior Lighting • Spark effects • Door tones

- Quick and easy to fit - no wiring or soldering
- Senses motion to turns on & off automatically
- Runs for ages on standard coin cell battery (included)
- Works on DC or DCC layouts - no pickups, no flicker

Add realism to your S Stock Train Pack!

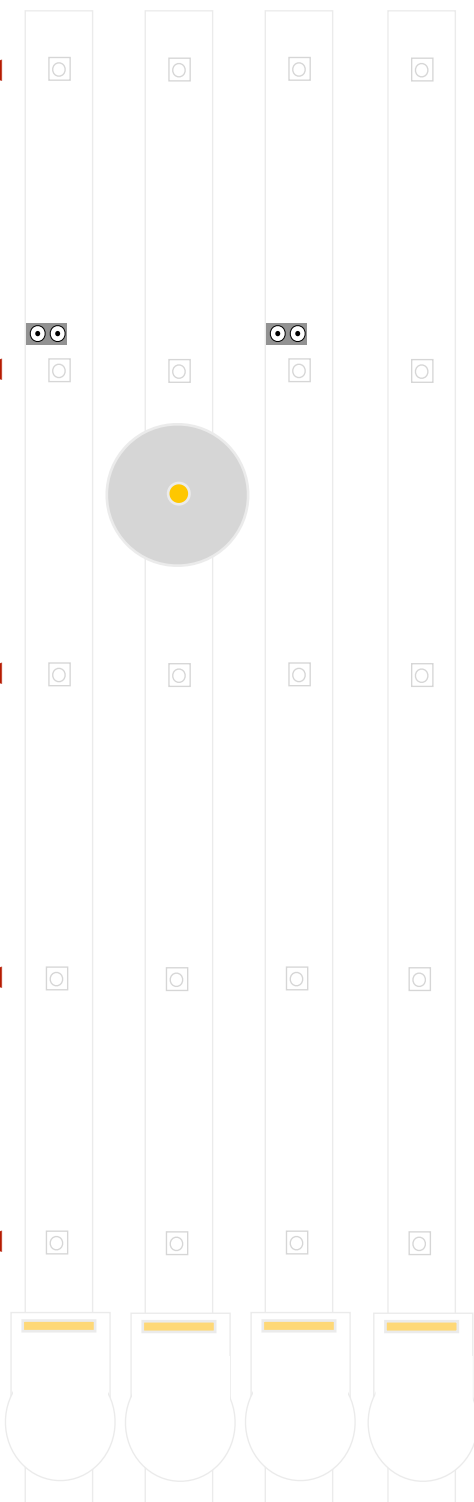
- Lights all 4 car interiors of S Stock train pack
- Spark-arcng effects under cars when moving
- Door tones sound after the train stops moving



Full Interior Lighting



Door Tones



LIGHT+
SPARK

LIGHT+
SOUND

LIGHT+
SPARK

LIGHT
ONLY

Automatic Lighting

This lighting strip is very easy to fit because it needs no wires and does not pick up power from the track. Instead it is powered from a readily available 2032 coin cell battery and features five efficient LED lamps to fully light each carriage constantly. No need for a switch either because a motion sensor turns the lights on as soon as the model moves and if it stops moving at a station or signal the lights remain on for up to 4 minutes, then turns them off automatically to save power. Quick and easy lighting to fit inside any carriage, with no flickering because of dirty tracks, and as it needs no track power works as well on regular DC, digital DCC or for use just as a display piece.

Fitting instructions

You will need a small cross head screwdriver, fine cutters and Blu-tack to hold the strips in the roof. We suggest that you only fit this lighting set after first testing and running-in your S Stock models as recommended in the Bachmann instructions.

Fitting and replacing batteries

Slide battery (+ side up) **under gold side clip first**, then push down. Once the battery is fitted the LED's should light - the slightest motion switches them on and they will go off automatically 4 minutes after the last movement.

Centre cars: Fitting light & sound strips

- Gently prise the body from the chassis, carefully using a finger nail or small thin ruler to slide along the bottom edge of the body to release it.
- Fix a small ball of Blu-tack at the ends and centre of light strip & secure into the roof.
- Carefully refit the body onto the chassis

Driving cars: Fitting light + spark strips

- Remove the 3 body securing screws shown on the Bachmann S Stock train instructions.
- Gently prise apart the body from the chassis using a finger nail if necessary.
- Fix a small ball of Blu-tack at ends & centre of strip & secure into the roof with battery furthest away from the driver cab end.
- The spark LED shines through one of the sound holes originally intended for a speaker, so remove the grey seating base by releasing the 3 screws. Carefully snap out the precut round speaker disc from the seating plate to reveal the speaker sound holes, then refit grey seating.
- Next plug the Spark LED into the black 2 hole socket on the light strip with the longest wire to the outer socket hole. You should see the spark LED randomly flash as the strip is moved - if it does not light try fitting LED opposite way round.
- Refit body onto chassis, carefully aligning the LED to fit into one of the speaker holes - you will see it shine through the base. (You may need to bend or trim the LED wires to enable the body to fit comfortably on).
- Refit body & replace the 3 body securing screws

Tips for advanced modellers

- Spark LED wires can be disguised as poles using yellow sleeving & cover the top of LED with grey tape to stop light from this LED bleeding into car.
- Instead of removing the precut speaker disc you can drill a smaller hole around the LED instead. Alternatively you could mount the spark LED under the car and bring fine wires to the strip.
- You can make the door sounds louder by carefully drilling holes in the floor of the car you fit the sound strip in to let the sound out.

Please note that this product has been carefully designed to be retrofitted into the standard S Stock model by following these instructions but note that incorrect fitting may invalidate warranty.

If unsure about any fitting or modification ask Train-Tech or your dealer before starting installation.



Designed and manufactured in Great Britain by



Track Tester

DC & DCC WIRE FREE OO HO N



- Quickly tests track for power faults
- Low Cost and easy to use
- Works on N, TT, OO, or HO Track
- Indicates DC polarity, DCC, or a fault
- Small enough to check point frogs

TT1 Track Tester

Track not Included

Buffer Lights

DC & DCC WIRE FREE OO HO N



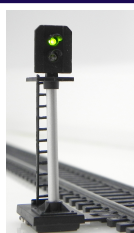
Track & Buffer Stop not Included

- Add realistic stop light to any siding
- Simply clips onto track – No wires!
- Fits next to most buffer stops & kits
- Or at platform end or free standing
- On DCC both LEDs are on constantly
- On DC one LED is on & varies with speed

BL1 OO/HO Gauge Buffer Light
BL2 N gauge Buffer Light

One Touch DCC™ Digital Signals

DCC WIRE FREE OO HO



Track not Included

- Signal with DCC decoder built into base
 - Can just plug direct into track – no wires!
 - Easy to fit and use – no CV programming!
 - Can sync to other signals & points
- DS1 Home:** Red / Green
DS2 Distant: Yellow / Green
DS3 Home Distant: Red / Yellow / Green
DS4 Distant: Yellow / Green / Yellow
DS5 Outer Distant: Red / Yellow / Green / Yellow
DS5HS Outer Dist: Red / Yellow / Green / Yellow
DS6 Dual Head Home: Red / Green
DS7 Dual Head Distant: Yellow / Green
DS8 Stop-Caution: Red / Yellow

One Touch DCC™ Point Controllers

DCC ANY GAUGE

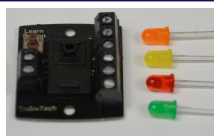


Point motor & track not Included

- Control points and uncouplers using DCC
 - Easy to use – No CV programming!
 - Work with most solenoid point motors
 - Just connect 2 wires to nearby DCC rails
 - Easy screw terminals – no soldering
 - Built in CDU for efficient operation
 - Can sync to other points and signals
- PC1 DCC Single Point Controller**
PC2 DCC Quad Points Controller

LFX Lighting Effect Controllers

DC & DCC ANY GAUGE



LFX1 Level Crossing Lights

Lights a sequence of steady amber and then flashing red LEDs as seen at crossings

LFX15 Crossing Lights & Sound

Lights a sequence as above and also has a realistic crossing sound

LFX2 Home & Shop Lighting

Randomly controls lights in houses, shops, stations, pubs

LFX3 Traffic Lights

Controls one pair of timed traffic lights (TL1 Traffic light kit also available)

- Easily add lighting effects to your layout
- LEDs screw in – no resistors or soldering
- Powered by 9v battery, 12-16V DC or DCC
- On DC the effect is on when powered
- On DCC the effect can be controlled
- Effects LEDs are included

LFX4 Log or Camp Fires

A realistic fire effect using amber, yellow, red LEDs

LFX5 Welding effects

Realistic electric arc welding effects with bright LEDs

LFX6 Quad LED Lighting Controller (DCC Only)

Controls 4 sets of LEDs on and off using separate DCC addresses. Directly powers 4 LEDs per output

LFX7 Flashing effects

Simulates four flashing effects ; belisha beacons, emergency services, camera flash, lightning, sparks

Automatic Tail, Firebox & Loco Lights

DC & DCC ANY GAUGE



Fits in N gauge upwards. Rolling Stock not included

- No switch – senses motion & turns on!
- Turns off automatically 4 minutes after stop
- No pickup/wires/soldering – LED plugs in
- Fit in brake vans, coaches, loco, wagons etc
- Runs for ages on small button battery

Single output modules:

AL1 Flashing Tail light
AL2 Flame Tail / Firebox
AL3 Constant lighting
LEDs & battery included

Dual output modules:

AL21 Flashing + constant
AL22 Flame + constant
AL23 Sparkarc + constant
AL24 Doors open + constant

Automatic Coach lighting

DC & DCC WIRE FREE OO HO N



Rolling Stock not Included

- Easy to fit in seconds – no wiring!
- No switch – senses motion & turns on/off!
- No pickups – Works on regular DC & DCC
- Traditional warm or modern cool white
- Also with tail light, sparks or door light
- Stays bright & constant with no flickering
- OO/HO & N gauge sizes available

Coach Lighting Strips (including LEDs and battery):

- CL1 / CN1 :** Cool white for modern coaches
 - CL2 / CN2 :** Warm white for traditional coaches
 - CL21 / CN21 :** Cool white plus modern flashing lantern LED tail light
 - CL22 / CN22 :** Warm white plus flickering flame lantern LED tail light
 - CL23 :** Cool white plus bright electric spark arc effect LEDs
 - CL24 :** Cool white plus amber door lights which light after train stops
 - CL25 :** Cool white plus constant lantern LED tail light
 - CL26 / CN26 :** Warm white plus modern flashing lantern LED tail light
 - CL27 / CN27 :** Cool white plus flickering flame lantern LED tail light
 - CL28 :** Warm white plus bright electric spark arc effect LEDs
 - CL29 :** Warm white plus amber door lights which light after train stops
 - CL30 :** Warm white plus constant lantern LED tail light
 - CL34 :** Cool white plus door tones which sounds after train stops
- OO/HO Strip is 220mm & N Gauge is 100mm long but may be cut down
Multipacks are available saving approximately 10%

SFX Sound for Trains

WIRE FREE OO HO



Each Capsule is supplied with battery, sound tube & fitting guide

- SFX10:** Steam Locomotive
- SFX11:** Steam Freight
- SFX20:** Diesel Locomotive

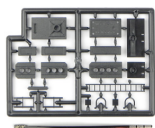
- Easy low cost sound works on any railway
- **Easy to fit in seconds** – no connections
- No switch – senses motion & turns on!
- No pickups – works on regular DC & DCC
- Self contained – built in speaker & battery
- Tiny capsule: 25mm x 20mm x 12mm
- Fit capsule into loco, tender, wagon, coach
- **Real recorded sounds** – Steam & Diesel

- SFX21:** Diesel Slow Loco
- SFX30:** Electric Power Loco
- SFX50:** Diesel Multiple Unit
- SFX60:** Electric Multiple Unit
- SFX70:** Shunting
- SFX80:** Passenger Coaches

See our website for more info & to hear the sounds

Self Assembly Colour Light Signal kits

DC & DCC OO HO



- Low cost – adapt to your own design
- LEDs are pre-fitted to a narrow PCB
- Control by switches or a signal controller

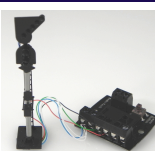
General purpose signal kit – no LEDs:

- SK1 Basic kit 2/3/4 aspect & dual heads**
- Signal kits with LEDs and resistors**
- SK2 Home** 2 aspect kit Red / Green
- SK3 Distant** 2 aspect kit Yellow / Green
- SK4 Home Distant** 3 aspect kit R / Y / G
- SK5 Distant** 3 aspect kit Y / G / Y
- SK6 Outer Distant** 4 aspect R / Y / G / Y
- SK7 Dual head Home** 2 aspect R / G
- SK8 Dual head Distant** 2 aspect Y / G

Every kit includes the signal head, aluminium post and base plus detailing kit inc ladder, handrails

One Touch DCC™ Signal Controllers

DCC ANY GAUGE



Signals not Included

- Control LED & Semaphore signals by DCC
- Easy to set up & use – No CV programming!
- Easy screw terminals – no soldering
- Can sync to other points & signals

SC1 Dual 2 aspect colour light signal controller

Controls one or two 2 aspect colour light signals.

SC2 3 or 4 aspect or 2 aspect + route controller

Controls one 3 aspect or one 4 aspect or one 2 aspect + route.

SC3 Dual Dapol OO/N Semaphore controller

Controls one or two standard OO or N Dapol motorised semaphore signals by DCC. Signals connect direct to the SC3 – no modifications or power supply needed.

For more information or FREE colour brochure contact us:

Train-Tech

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Train-Tech web: www.train-tech.com



CL150 Light & Sound Set for TFL S Stock 4 car pack



5 060325 131853

Single S Stock car lighting also available

S Stock models & lights

This Lighting and Sound set is especially designed to fit inside the Bachmann 35-990 S Stock motorised 4 car train pack which is exclusively available from the **London Transport Museum** at www.ltmuseumshop.co.uk or by visiting their store in Covent Garden. Individual S Stock cars and matching single car lighting strip packs are also available, part CL51

Train-Tech

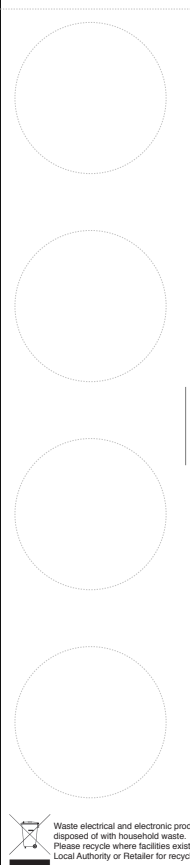
The range shown on this page represents just a selection of the products designed and manufactured in the UK by Train-Tech including various lighting, sound and control products for model railways. For more information visit www.train-tech.com, ask in your model shop or call or email us for a free brochure!

Care

This product is not a toy and is intended for modellers and collectors over the age of 14.

Battery replacement

When lights or sounds become faint or intermittent replace with a standard CR2032 coin cell battery, available online, from retailers and Train-Tech dealers in packs of 3 as part BAT1 (gaugemasterretail.com).



Batteries ▲ Plug-in Spark Effect LEDs

Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.