

SL100 Custom Smart Light

You can set this Smart Light (SL) to show your choice of colour, brightness and effect using a DCC controller in accessory control mode. Although it must be setup using DCC, once setup it can be powered by either 9-16 volts Battery / DC or DCC.

POWER AND CONTROL OF SL100 SMART LIGHT (after setting up your chosen effect - below)

Power & Control using Digital DCC



To set Main on-off address

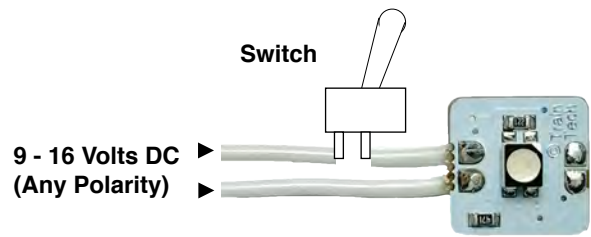
- Set controller to accessory mode and choose address
- Use a small link of wire to briefly short contacts shown
- LED will flash White
- Enter DCC address (eg 60)
- Press ◀ or ▶ to set address
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To control using DCC

- Use ◀ or ▶ on controller to turn lighting effect on & off

SWITCH OFF BEFORE CONNECTING! WARNING - TAKE CARE NOT TO TOUCH OTHER PARTS! 16V DC/DCC MAX!

Power & Control using 9-16 Volts DC



If you want to be able to switch the SL100 light on and off simply connect a basic switch in series with the power input

SWITCH OFF BEFORE CONNECTING! WARNING - TAKE CARE NOT TO TOUCH OTHER PARTS! 16V DC/DCC MAX!

SETTING UP THE SL100 SMART LIGHT COLOUR, BRIGHTNESS & EFFECTS USING DCC

The setting up of your effect is done using DCC from a DCC controller in Accessory mode (note NOT Loco address mode). The effect is made from 3 main functions, each of which you choose: Colour (14 colours + colour cycle); Effect (8 different); Brightness (9 levels). The Main or on-off address is set as above (eg 60) & the 3 functions are setup using the 3 next consecutive addresses (eg 61, 62, 63):

Colour select (Main address +1)

After setting the main address above you can choose the colour of your effect by changing controller to the main address you chose +1. For example, if you set main address to 60 then colour select will be 61. Each press of ◀ or ▶ will change colour:

- Red
- Orange
- Yellow
- Light Green
- Green
- Bright Green
- Cyan
- Azure
- Blue
- Dark Blue
- Violet
- Magenta
- Rose
- White
- Cycle - cycles colours with chosen effect

Effect type (Main address +2)

After setting the main address you can choose the type of effect by changing controller to main address you chose +2. Eg; if you chose 60 as main address then the Effect select address will be 62.

Each press of ◀ or ▶ will change effect in sequence as follows (then go round again)

- A:** No effect - Light on constantly
- B:** Flash light on & off every second (1Hz)
- C:** Fade light up for 1s and fade down 4s
- D:** Triple quick flash
- E:** Random on & off (between 20s-2 mins)
- F:** Fade up, stay on, fade down(20s cycle)
- G:** Fade up, stay on, fade down (5s cycle)
- H:** Flame effect flicker (gentle, subtle)

Brightness (Main address +3)

After setting the main address you can choose the brightness of your effect by changing controller to main address you chose +3. For example; if you chose 60 as main address then the Brightness address will be 63.

Every ◀ or ▶ press will reduce brightness by 10% as follows (then around again)

- 100% (full brightness)
- 90%
- 80%
- 70%
- 60%
- 50%
- 40%
- 30%
- 20%
- 10% (lowest brightness)
- Then back to 100%

HINTS & TIPS

Ideas for effects

- **Lighthouse:** Effect C with colour white
- **Breakdown van:** Effect D with orange
- **House lights:** Effect E with white etc
- **Car indicators:** Effect B with orange
- **Swim pool:** Effect H with azure or cyan
- **Party lights:** Effect D/B with colour cycle
- **Zebra crossing:** Effect B with yellow
- **Warm fire glow:** Effect H with orange
- **Candle:** Effect H with white or yellow
- **Police or ambulance:** Effect D with blue
- **Night club sign:** Effect G + colour cycle
- **Building alarm:** Effect D with red

Caution and notes

- Never apply more than 16 volts DC/DCC
- Smart Lights do get warm - this is normal
- Smart Lights not waterproof - keep dry!
- BluTak or similar is useful for mounting Smart Lights & masking unwanted light
- As well as stationary models Smart lights can be installed on a train and controlled live using DCC Accessory commands!
- We have made Smart Lights as small as possible so that they can fit into the smallest models, but you need to be very careful not to short circuit or touch other parts of the circuit with wires or metal.

Smart Light Range:

- SL10 Party - Disco Lights
- SL20 Random Lighting
- SL30 Emergency Vehicle
- SL40 Real Fire effect
- SL50 Arc Welding Effect
- SL60 Television Simulator
- SL100 Custom Smart Light


There are over 200 Train-Tech products for Signalling, Lighting and Control which are available from www.dcpexpress.com and model shops. Ask for FREE brochure.

www.train-tech.com

Track Tester

DC & DCC OO HO N

Only £5




Track not included

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

Buffer Lights

DC & DCC WIRE FREE OO HO N

Only £5




Track and 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 lights are on constantly
- On DC one light is on & varies with speed

DCC Fitted Digital Signals


DCC WIRE FREE OO HO



- 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
- Available with Feathers & Theatres

One-Touch DCC™ Point Controllers

DCC OO HO N Z



- Control points and uncouplers using DCC
- Work with most solenoid point motors
- Just connect 2 wires to DCC rails - No CV Programming!
- Easy screw terminals - no soldering
- Built in CDU for efficient operation
- Can sync to other points and signals

LFX Lighting Effect Controllers


DC & DCC ANY GAUGE



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

Level Crossing - Ready Assembled

DC & DCC OO HO N



- Power from 9-16v DC, DCC or a 9v battery
- Light and sound - all connections easy push fit
- Includes 2 x Peco static level crossing barriers
- Can turn on automatically using a Track Sensor
- Available in single and pair packs

Track Sensor

DC & DCC OO HO



- Change Semaphore Signals automatically (with SC300)
- Trigger Level crossing when train approaches
- Power from 12-16v smooth DC or DCC
- Links to a Mimic Switch to show occupancy
- Links to a Sensor Signal to change block section

Automatic Tail, Firebox & Loco Lights

DC & DCC Auto WIRE FREE ANY GAUGE

Rolling stock not included




Fits in N scale upwards

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

Mimic Switches & Lights


DC & DCC ANY GAUGE



- Make a mimic panel to control LayoutLink items
- Link to Track Sensors or Sensor Signals to show occupancy & signal status
- Single wire to control Layout Link products
- Link to Sensor Signals to switch route indicators on/off

Signal Kits

DC & DCC OO HO



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

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

SL100 - Smart Light



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One-Touch DCC™ Signal Controllers

DCC ANY GAUGE

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

Automatic Sensor Signals

DC & DCC WIRE FREE OO HO



- Detects train and changes signal automatically
- Use on its own & signal changes back to green after time
- Or link to other SS for automatic block signalling
- Can be used on both DC & DCC
- Also available with Feathers & Theatres

Automatic Coach Lighting

DC & DCC Auto WIRE FREE OO HO




Rolling stock not included

- Easy to fit in seconds - no wiring!
- No switch - senses motion & turns on!
- Turns off automatically 4 minutes after stopping
- No pickups **so works on regular DC & DCC**
- Traditional warm white or modern cool white
- Also with tail light, sparks or door light effect
- Lights stay bright & constant with no flickering
- Fits most OO/HO coaches and maybe cut down

SFX Sounds for Trains


WIRE FREE DC & DCC Auto



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

Smart Lights - Easy to fit Lighting Effects


DC & DCC ANY GAUGE



- Small - Just 1cm x 1cm x 0.3cm with 2 wire connections
- Power by standard 9-16v DC or a 9v battery
- Or by DCC which can also control some effects
- Just connect and go - no setting up required
- Disco / Emergency / Real Fire / TV / Welding / Random effects

Traffic Lights - Ready Assembled

DC & DCC OO HO



- Power from 9-16v DC, DCC or 9v battery - 2 Wire connection
- Realistic standard UK sequence and timing varies randomly
- Fully assembled - drill hole in baseboard & connect to power

SEE WWW.TRAIN-TECH.COM OR CONTACT DCP FOR FREE COLOUR BROCHURE

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SL100 Smart Light: Custom Effect Lighting

- Tiny smart light with multiple lighting effects
- Custom colours, flashing, flickering, cycling
- Setup your chosen effect using a DCC controller
- Once setup power by 9-16V DC, battery or DCC
- Two wire connection to power - no soldering

www.Train-Tech.com

See our website, your local model shop or contact us for a free colour brochure
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