4 × 4A DMX DIN RAIL DECODER
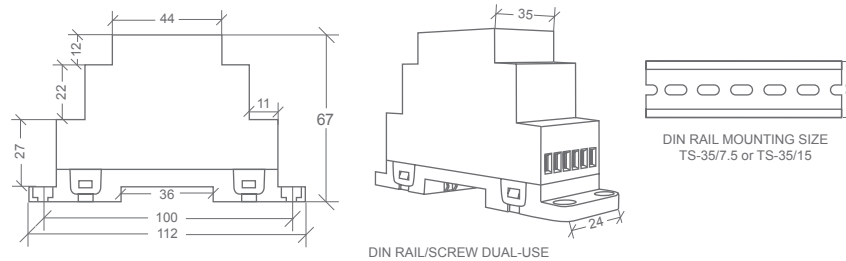
The BL-PC-DIN-DMX-4CH DIN Rail DMX Decoder has a 3 digit display to show, read, and write the DMX address. With the standard RDM remote device management protocol, this DMX Decoder supports DMX512 signal bi-directional communication. (DMX master controller must recognise the RDM protocol)

This unit can work with the DMX512 console and can dim from 0-100% brightness. It can control single colour, bi-colour, RGB, and RGBW LED lights.

CODE	BL-PC-DINDMX4CH	
OUTPUT CURRENT	MAX. LOADING	VOLTS
4 × 4A channels (16A)	80W	5V DC
	192W	12V DC
	384W	24V DC
DIMENSIONS	W35 × L112 × H67mm	
HOUSING	PVC casing	
MOUNTING	DIN Rail or screw fixing	
WARRANTY	5 years	
COMPLIANCE		
OPERATING TEMP.	-30°C ~ +55°C	
INGRESS PROTECTION	Indoor use only	
CONNECTION METHOD	Concealed screw terminals	
CONTROL	DMX 512 / RDM signal	
MAX. DISTANCE FROM POWER SUPPLY	Recommended under 10 metres *For specific projects contact Bright Light*	

DIMENSIONS

DIN RAIL MOUNTING SIZE TS-35/7.5 or TS-35/15

DIN RAIL/SCREW DUAL-USE

A. DMX DECODER MODE
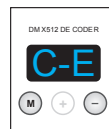

Address setting: IN DMX Decoder Mode, first press ⊕ or ⊖ key to enter address setting. Changing the DMX initial address when the 3 address value start to flicker. (Range: 001-512)

⊕ Short press to add one more address, long press to add quickly
⊖ Short press to subtract one more address, long press to subtract quickly
Ⓜ Short press to quit

Long press Ⓜ and ⊕ key together to set the brightness output to linearity curve (C-L).

Long press Ⓜ and ⊖ key together to set the brightness output to Gamma curve (C-E).

Long press ⊕ and ⊖ key together to check the present luminosity curve.

B. SELF-TESTING SCENE MODE

Long press Ⓜ key to enter self-testing scene mode.

NO.	DIGITAL DISPLAY (+/- to switch)	MODE	DESCRIPTION
1.	P-1	Static Red	
2.	P-3	Static Green	
3.	P-3	Static Blue	
4.	P-4	Static Yellow	Red+Green = Yellow
5.	P-5	Static Purple	Red+Blue = Purple
6.	P-6	Static Cyan	Green+Blue = Cyan
7.	P-7	Static White	Red+Green+Blue = White
8.	P-8	7 Colour Skipping	Fixed Speed, 1 colour per second.
9.	P-9	7 Colour Smooth	Fixed Speed, transition time 2s, resident time 1s.

Switch modes by pressing ⊕ ⊖ keys

C. RESTORE THE DEFAULT PARAMETER

Long press Ⓜ ⊕ ⊖ keys at the same time and the digital tube display will show "RES".

Default Parameters: DMX decoder mode, DMX base address is 1, Gamma curve, self-test in No.1 pattern status.

ATTENTION:

– The product shall be installed and serviced by a professional electrician.
– This product is not waterproof & cannot be installed outdoors, use IP65 box if required for outside use.
– Good heat dissipation on will prolong the working life of the repeater, please ensure good ventilation.
– Please check the output voltage of any power supply used complies with the working voltage of the LED product used.
– Ensure an adequate sized cable is used from the controller to the LED lights to carry the current, please also ensure the cable is secured tightly in the connector.
– Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
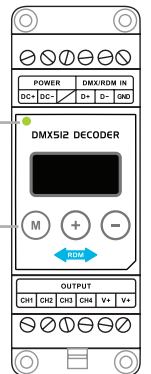– If a fault occurs please return product to your supplier. Do not attempt to fix this product yourself.

FUNCTION KEY

Running light
The running light flashes quickly when input DMX signal, flash frequency depends on received frame rate. The running light flashes as usual in free time.

M Key
Short press to enter DMX decode mode.
Long press to enter self-testing scene mode

WIRING DIAGRAM

Actual product characteristics may vary. Bright Light reserves the right to improve, modify or update the product designs without prior notice.

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