DIN- Rail DMX CV Decoder

0- 288…576W   3A × 8CH   12-24V

- Converts DMX512 signal into PWM signal.
- Works with DMX512 console.
- 0-100% dimming range with various changing effects.
- RJ45 DMX interface.
- Control single color, two color, RGB, RGBW LED lights.
- Full protective plastic housing.
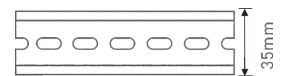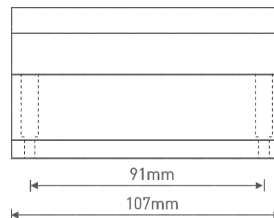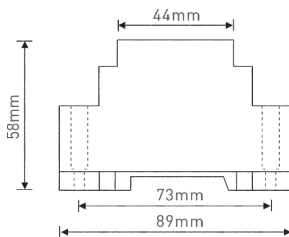- Suitable for indoor environments.

FC CE RoHS COMPLIANT warranty 5 years SGS UKAS ISO9001:2008

Main Characteristics

Input Signal:	DMX512	Dimming Range:	0~100%
Input Voltage:	12~24Vdc	Working Temperature:	-30℃~55℃
Output Voltage:	12~24Vdc	Product Size:	L107×W89×H58(mm)
Max. Current Load:	3A×8CH Max 24A	Package Size:	L109×W99×H63(mm)
Max. Output Power:	0-288W...576W	Weight(G.W.):	230g
DMX512 Socket:	RJ45		

Dimensions

44mm
58mm
73mm
89mm

91mm
107mm

35mm

Din rail mounting size:
TS-35/7.5 or TS-35/15

Conjunction Diagram:

LED Lamps
Connection Terminals

LED Lamps
Connection Terminals

Power Input

Power Input

POWER —LED1—
DC1+ DC1- CH1 CH2 CH3 CH4 V1+

POWER —LED2—
DC2+ DC2- CH5 CH6 CH7 CH8 V1+

PLEASE ,OPEN THE LID
Set DMX address according to the icon
on the right side of the label

DMX IN	DMX OUT
1:D+ 2:D-	7&8:GND

DIP
Switch

DMX
Input

DMX
Output

www.ltech-led.com

LED RGBW Strip

L
N
100-240Vac

500W

Power

Power Supply

DMX Input

DMX Signal line

DMX Signal line

DATA-
DATA+
GND

Terminal resistor

✱ An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.

✱ If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120 Ω terminal resistor at the end of each line.
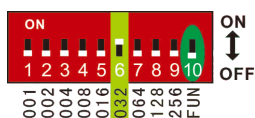
Dip Switch Functions:

Dip Switch No.10 = ON（Self-testing Mode ）

Dip Switch No.10 = OFF（DMX Mode）
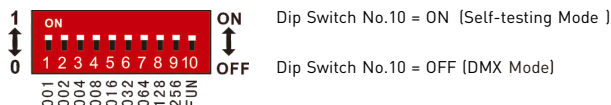
1. E.g.: Initial DMX Address Setting:

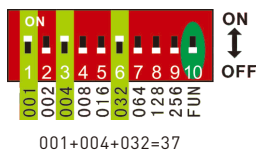**FUN=OFF** (the 10th dip switch=OFF)   **DMX Mode**

DMX address value = the total value of (1-9), to get the place value when in "on" position, otherwise will be 0.
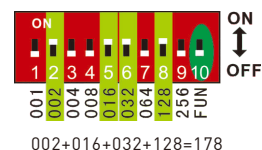
E.g a: Set Initial Address To 32

E.g b: Set Initial Address To 37

001+004+032=37

E.g. c: Set Initial Address To 178

002+016+032+128=178

✱ When Dip switch 1-9 are off, the initial DMX address defaults to 1.

2. Testing function:

FUN=ON (the 10th dip switch=ON)   **Self-testing Mode**

No.1-8 control 8 channels accordingly.

No.9 is for brightness option, 100% or 50%,

which applies for all channels.

1CH On/Off 2CH On/Off 3CH On/Off 4CH On/Off 5CH On/Off 6CH On/Off 7CH On/Off 8CH On/Off

Off: 50% brightness
On: 100% brightness

ON
OFF