LTECH

DMX/RDM

DIN-Rail CV Decoder

0-75...360W   5A × 3CH   5-24Vdc

- Dimming interface: DMX512, RDM.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Max. current output: 15A.
- Full protective plastic housing.
- Suitable for indoor environments.
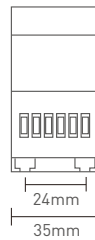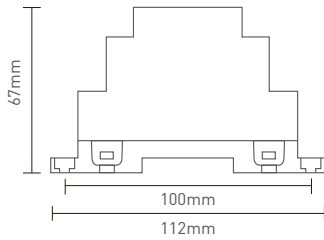
FC CE RoHS warranty 5 years SGS UKAS ISO9001:2008

Main Characteristics

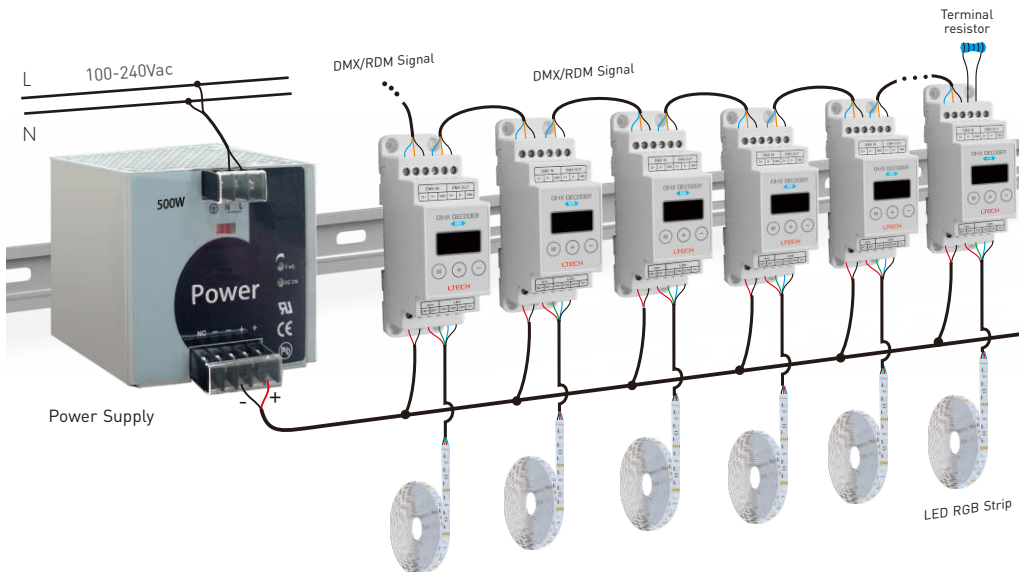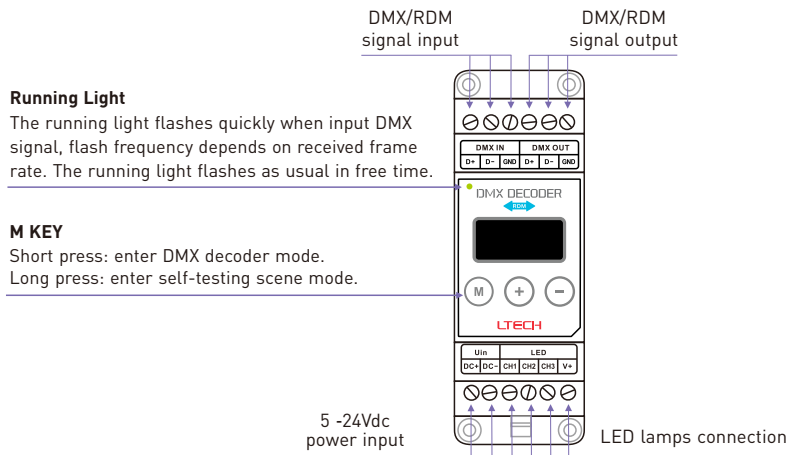|			
Dimming Interface:	DMX512, RDM	Mounting:	DIN-Rail or Screw
Input Voltage:	5~24Vdc	Working Temperature:	-30℃~55℃
Output Voltage:	5~24Vdc	Product Size:	L112×W35×H67(mm)
Output Current:	5A×3CH Max. 15A	Package Size:	L114×W37×H70(mm)
Output Power:	(0~25W...120W)×3CH Max. 360W	Weight(G.W.):	135g
Dimming Range:	0~100%		

Dimensions

67mm

100mm
112mm

24mm
35mm

35mm

DIN Rail Mounting Size:
TS-35/7.5 or TS-35/15

Wiring Diagram

12V lamp connected, loads 0~180W(12V). 24V lamp connected, loads 0~360W(24V).

L 100-240Vac
N

Terminal resistor

DMX/RDM Signal   DMX/RDM Signal

500W

Power

Power Supply

LED RGB Strip

✱ 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 90-120Ω terminal resistor at the end of each line.

DMX/RDM signal input   DMX/RDM signal output

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.
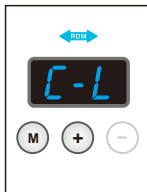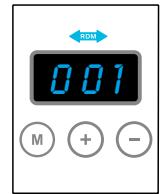
M KEY
Short press: enter DMX decoder mode.
Long press: enter self-testing scene mode.

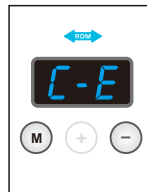5- 24Vdc power input   LED lamps connection

DMX Decoder Mode.

In DMX decoder mode, the screen will be locked if unmanned operation for 15S, press ⊕ or ⊖ key to unlock.

Address Setting: Press ⊕ or ⊖ key, the 3 address value start to flicker, the DMX initial address can be changed now. (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 at the same time, set the brightness output to linearity curve (C-L).
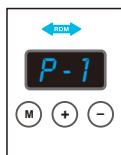
Long press Ⓜ and ⊖ key at the same time, set the brightness output to Gamma curve (C-E)

Long press ⊕ and ⊖ key at the same time, check the present luminosity curve.

Self-testing Scene Mode.

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

Switch changing modes by pressing ⊕ ⊖ key.

NO.	Digital Tube Display (press +/- to switch)	MODE
1	P-1	Static Red
2	P-2	Static Green
3	P-3	Static Blue
4	P-4	Static Yellow
5	P-5	Static Purple
6	P-6	Static Cyan
7	P-7	Static White
8	P-8	7 Color Jumping
9	P-9	7 Color Smooth

Restore the Default Parameter:

Long press Ⓜ ⊕ ⊖ keys at the same time, restore the default parameter, digital tube display "RES".

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