DIN-Rail CV Decoder

0-80...384W   4A × 4CH   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: 16A.
- Full protective plastic housing.
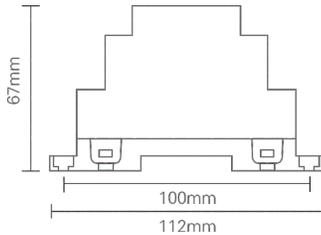- Suitable for indoor environments.

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

Main Characteristics

Dimming Interface:	DMX512, RDM
Input Voltage:	5~24Vdc
Output Voltage:	5~24Vdc
Output Current	4A×4CH Max. 16A
Output Power:	Max 80W/192W/384W(5V/12V/24V)
Dimming Range:	0~100%

Mounting:	DIN-Rail or Screw
Working Temperature:	-30℃~55℃
Product Size:	L112×W35×H67(mm)
Package Size:	L114×W37×H70(mm)
Weight(G.W.):	135g

Dimensions

67mm
100mm
112mm
24mm
35mm
35mm
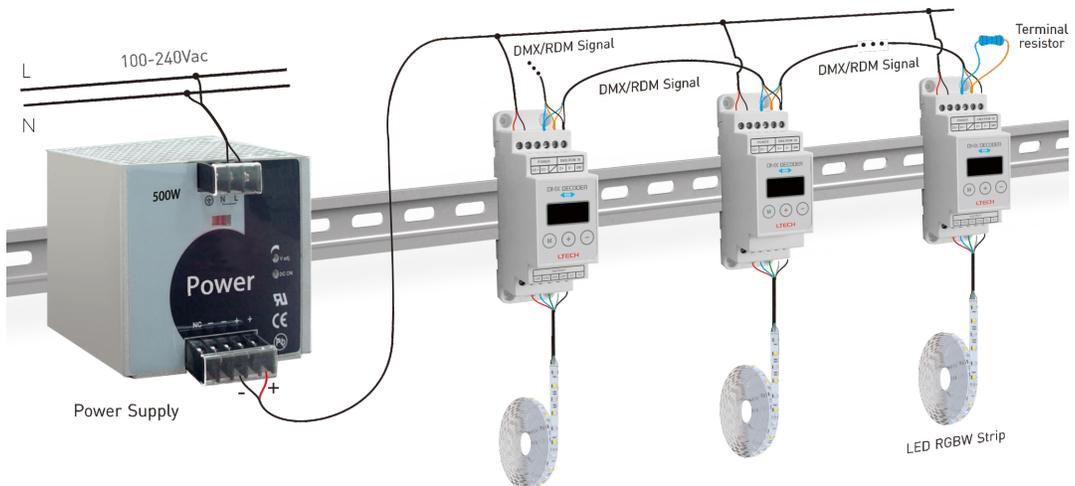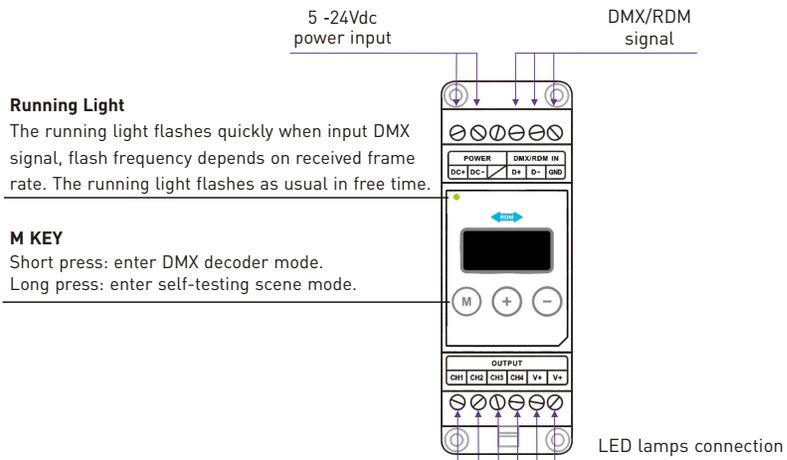
DIN Rail Mounting Size:
TS−35/7.5 or TS−35/15

Wiring Diagram

12V lamp connected, loads 0~192W(12V). 24V lamp connected, loads 0~384W(24V).

L
N
100-240Vac
DMX/RDM Signal
DMX/RDM Signal
DMX/RDM Signal
Terminal resistor
500W
Power
Power Supply
− +
LED RGBW 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.

LTECH

DMX/RDM

5- 24Vdc
power input

DMX/RDM
signal

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.

POWER | DMX/RDM IN
DC+ | DC- | D+ | D- | GND

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

OUTPUT
CH1 | CH2 | CH3 | CH4 | V+ | V+
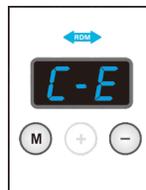
LED lamps connection

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.

RDM

001

M + −

RDM

C-L

M + −

Long press Ⓜ and ⊕ key at the same time, set the brightness output to linearity curve (C-L).
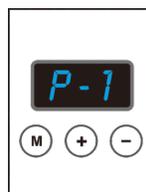
RDM

C-E

M + −

Long press Ⓜ and ⊖ key at the same time, set the brightness output to Gamma curve (C-E)

RDM

C-L

M + −

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.

P-1

M + −

Adjust brightness by pressing ⊕ ⊖ key.
(Range 0-255)

Restore the Default Parameter:

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

RES

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