

LT-840-6A DMX/RDM 4CH CV DECODER



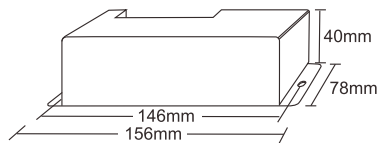
LT-840-6A with the standard RDM remote device management protocol, supports DMX512 signal bi-directional communication, achieves remote management of reading and writing DMX address (DMX master controller must recognize the RDM protocol). Equipped with DMX standard XLR-3, RJ45, green terminal interface. Realize 0-100% dimming or different lighting effect; workable with single color, bi-color, RGB or RGBW LED lamps.

1. Product Parameter:

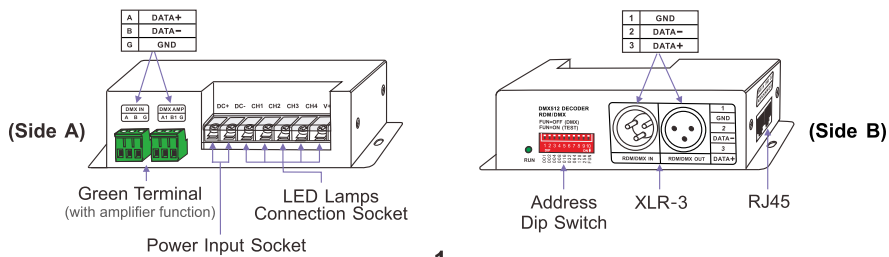
LT-840-6A

- Input Signal: DMX512, RDM
- Input Voltage: 5~24VDC
- Max Current Load: 6A×4CH Max 24A
- Max Output Power: 120W/288W/576W(5V/12V/24V)
- DMX512 Socket: XLR-3, RJ45, Green Terminal
- Dimming Range: 0~100%
- Working Temperature: -30°C~65°C
- Dimensions: L156×W78×H40(mm)
- Package Size: L180×W82×H48(mm)
- Weight (G.W.): 445g

2. Product Size:



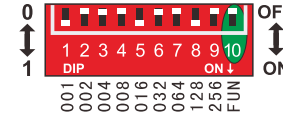
3. Configuration Diagram:



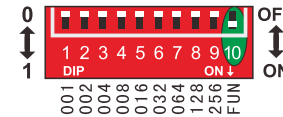
4. Dip Switch Operation:



RDM Mode: The dip switch 1-10 are OFF.



DMX Mode: FUN=OFF (the 10th dip switch=OFF)
Setting DMX addresses with dip switch 1-9.



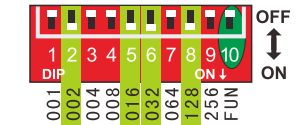
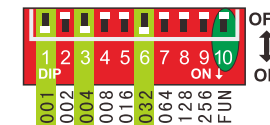
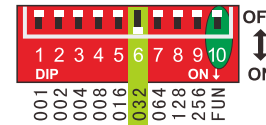
Self-testing Mode: FUN=ON (the 10th dip switch=ON)

4.1 How to set DMX address via dip switch:

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.1: Set Initial Address To 32. E.g.2: Set Initial Address To 37. E.g.3: Set Initial Address To 178.



001+004+032=37

002+016+032+128=178

4.2 Self-testing Mode:

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

Dip Switch	1-9=off	1=on	2=on	3=on	4=on	5=on	6=on	7=on	8=on	9=on
Self-test Function	Static Black	Static Red	Static Green	Static Blue	Static Yellow	Static Purple	Static Cyan	White Strobe	7 Colors Jumping	7 Colors Smooth



- Static Red
- Static Blue
- Static Purple
- White Strobe
- 7 Colors Smooth

For changing effects (Dip Switch 8/9=on):
DIP switch 1-6 is used to realize 6 speed levels. (6=on, the fastest level)

For changing effect (Dip Switch 7=on):
Static white will be showed when 1=on or 6=on, 2-5=on will be white strobe effect.

[Attn] When several dip switches are on, subjected to the highest switch value.

As the figure above shows, the effect will be 7 colors smooth at 6 speed level.

4.3 DMX Dimming Instruction:

Each LT-840-6A DMX decoder occupied 4 DMX addresses when connecting the DMX console.

e.g., the defaulted initial address is 1, please find their corresponding relationships in the form.

DMX Console	DMX Decoder
CH1 0-255	CH1 PWM 0-100% (LED R)
CH2 0-255	CH2 PWM 0-100% (LED G)
CH3 0-255	CH3 PWM 0-100% (LED B)
CH4 0-255	CH4 PWM 0-100% (LED W/Y)