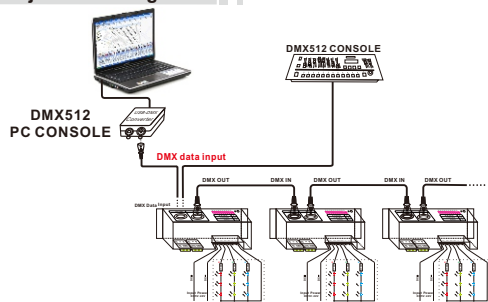


4. Conjunction Diagram:



NOTE: According to DMX512 protocol, in order to ensure a steady DMX data transmission, you should weld a metalster (Metal Thin Film resistor, 90-120Ω/1/4W) at the end of each layout of DMX data cable(between Foot 2 and Foot 3, Data + and Data -), please also refer to your DMX console manual to select a correct resistor.

5. Attention:

1. This product is non-waterproof, please avoid the sun and rain. Put it in a waterproof box if install outdoor.
2. The condition of radiation will affect the working life of controller, please install the product in a good radiation condition.
3. Please check if the output voltage of the LED power supply comply with the voltage range of the product.
4. This product is a high current device, please ensure a solid connection in order to avoid poor contact to damage parts and trigger fires.
5. Ensure all wire connection are correct before power debugging, which is to avoid lamps to be burnt because of wrong connection.
6. All the switching power supply must be well grounded, so as not to affect the working life of LED.
7. Please do not maintain it by yourself if any fault, please contact your supplier if Any question.

6. After-sale service:

This product is 2 years free warranty, lifelong technical maintenance. The warranty excludes improper connection to power supply, overload working, etc. Human damages and force majeure factors.

Repair or replacement as provided under this warranty is the exclusive remedy of the customer. we shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.

For the sake of the convenience to repair, Please don't tear up or obliterate the label on product.

This manual is only apply to this model, any update is subject to change without prior notice.

**LT- 830
DMX512 3CH CV DECODER**



Thanks for choosing LT-830 DMX512 Decoder.

LT-830 RGB DMX decoding driver works to convert universal DMX512/1990 digital signal to PWM signal, Which controlled by DMX512 console, with 16-bit gray scale output per channel. Realize 0-100% brightness or various changing effect. And can control single color, RGB LED lights.

1. Product parameter:

LT-830 DMX512 3CH CV DECODER	
Power supply chosen	DC CV SMPS
Input voltage	DC5V~DC24V
Max current load	6A/CH×3CH 18A Max
Max output power	108W/216W/432W(5V/12V/24V)
Output Gray Scale	16bit/CH
Input signal	DMX512/1990
Output signal	3channels constant voltage PWM
DMX512 socke	Standard XLR-3
Working temperature	-30°C-65°C
Dimension	L163×W78×H40mm
Package size	L180×W82×H50mm
Weight(G.W)	340g

2. Basic Features:

- 3 output channels, can control single color, RGB led light.
- 0-100% brightness, 256-level brightness control.
- User addressable DMX interface, with easy dip-switch settings and testing modes.
- Input voltage is DC5V~DC24V.
- Decoder comes with manual dimming, 10 testing modes, 8 the rate of change.

3. Set initial DMX address:

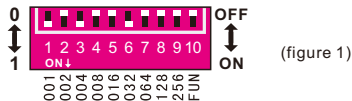
DIP	1	2	3	4	5	6	7	8	9
Value	001	002	004	008	016	032	064	128	256

Remark

This decoder occupies 3 addresses, adopted Dip. Switch to set the address, the Dip switches from 1 to 9 are a kind of binary value coding switches used to set DMX512 initial address code, the correlative bits in the 1-9 bits of the DIP switch, the 1st bit is LSC, the 9th bit MSC, 511 addresses totally DMX512 initial address code is equal to the total amount of the Dip switches' number from 1 to 9, press Dip switch downward (ON.: at position : "1"), user can get the number of its position, if pressing upward (at position "0"), the number of its position is 0.

Example 1: Set initial address to 37

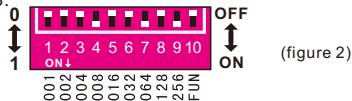
Set the 1st, 3rd, 6th, bit of the DIP switch downward to "1" the rest to "0" (like figure 1), the summation from 1 to 9 is 1+4+ 32, so the DMX512 initial address code is 37.



(figure 1)

Example 2: Set initial address to 328

Set the 4th, 7th, 9th, bit of the DIP switch downward to "1" the rest to "0" (like figure 2), the summation from 1 to 9 is 8+64+ 256, so the DMX512 original address code is 328.



(figure 2)

As picture, the 10th DIP switch is FUN, acting as the function key
1-9DIP switch=OFF: BLACK

Brightness	DIP1-3 (CH1)	DIP4-6 (CH2)	DIP7-9 (CH3)
0	000	000	000
14%	100	100	100
28%	010	010	010
43%	110	110	110
57%	001	001	001
71%	101	101	101
86%	011	011	011
100%	111	111	111

3. Testing function:

As picture, the 10th DIP switch is FUN, acting as the function key
1-9DIP switch=OFF: BLACK

DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8	DIP9
Red	Green	Blue	Yellow	Purple	Cyan	full brightness	Strobe	Color gradual

When decoder is at testing mode, DIP switch 8 is at "ON", it is the 7 color jumping, when DIP switch 9 is at "ON", it is the 7 color smooth, with 8 speed levels for each effect.

DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7
Speed 1	Speed 2	Speed 3	Speed 4	Speed 5	Speed 6	Speed 7

As picture, when several DIP SWITCH at "ON" at the same time, comply with the largest value switch, the testing function is when FUN=ON, DIP SWITCH 8 & 9 for the color value changing function, DIP SWITCH 1-7 for the speed function, comply with the largest value switch, SPEED 7 is the fastest speed.