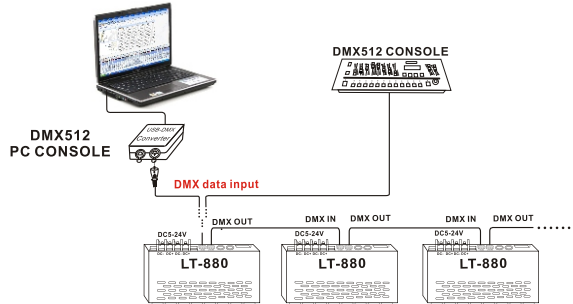


DMX console connection



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 Layouteach layout of DMX data cable(between Foot 2 and Foot 3, Data+I and Data -),Please also refer to your DMX console manua 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:

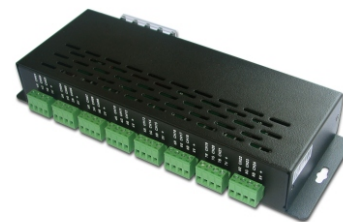
This product is 2 years free warranty, lifelong technical maintenance. The warranty excludes improper connection to power supply, overload working, etc. Human damages and force majeure factors.

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- 880 DMX512 CV Decoder



Thanks for choosing our LT-880 DMX512 decoder, LT-880 DMX512 decoder converts the universal standard DMX512/1990 signal into PWM signal to drive LED. It creates exclamatory, soft&perfect color fade effect by adopting special L-PWM program technology, which makes the LED more colorful and vivid.

1. Product parameter

LT-880	
Power supply chosen	DC CV SMPS
Input voltage	DC5V~DC24V
Max load current	3A/CH×24CH 72A Max
Max output power	360W/860W/1720W(5V/12V/24V)
Output Scale level	256 levels
Input signal	DMX512/1990
Output DMX Channel	24Ch
Working temperature	-30°C-65°C
Dimension	L260×W120×H40mm
Package size	L290×W130×H46mm
Weight(G.W)	860g

2. Basic Features:

1. Special L-PWM program technology, with more functions;
2. 24 output channels, which can connect signal color or RGB full-color lamps;
3. 0-100% smooth brightness adjusting, 256 grey steps per channel;
4. Universal standard DMX512 input protocol, addresses can be set up by DIP switch;
5. Working voltage from DC12V~DC24V;
6. With 10 auto testing modes and 8 speed adjusting modes;

3. Decoder address setting:

FUN at "OFF" is DMX512 signal mode FUN at "ON" is auto testing mode



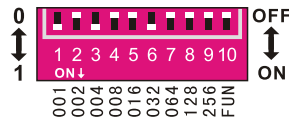
Picture 1

1. DMX initial address setting

FUN at "OFF" (the 10th DIP switch is upward) is DMX512 signal mode, pic 1

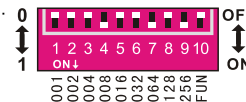
DIP Switch	Value	Remark
1	001	This decoder adopts Dip switch to set the address, the Dip switches from 1 to 9 are a kind of binary value coding switches which used for setting DMX512 initial address code, the correlative bits is the 1-9 bits of the DIP switch, the 1 st bit is LSC, the 9 th bit
2	002	MSC , 511 addresses totally.
3	004	DMX512 initial address is the total amount of the Dip switches' number from 1 to 9, press Dip switch
4	008	downward (ON: at position "1"), user can get the
5	016	number of its position, if pressing upward (at
6	032	position "0"), the number of its position is 0.
7	064	
8	128	
9	256	

Example 1: Set initial address to 37
Set the 1st, 3rd, 6th, bit of the DIP switch downward to "1" the rest to "0" (picture 2), the summation from 1 to 9 is 1+4+ 32, so the DMX512 initial address code is 37.



Picture 2

Example 2: Set initial address to 328
Set the 4th, 7th, 9th, bit of the DIP switch downward to "1" the rest to "0" (as picture 3), the summation from 1 to 9 is 8+64+ 256, so the DMX512 original address code is 328.



Picture 3

2. Testing function:



Such as FUN at "ON" (the 10th DIP switch is downward) is testing function.
DIP switch 1-9 at "OFF" is Black

DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8	DIP9
Red	Green	Blue	Yellow	Purple	Cyan	White	Scan	Color changing



DIP8/DIP9 at "ON" (the 8th/9th DIP switch is downward) is changing mode.
DIP switch 1-7 has 8 levels speed changing, DIP 7 is the fastest speed.
DIP switch 1-7 at "OFF" is speed 0

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

As the above pic, if several DIP switch at "ON", it is subject to the maximum value.
if all DIP switch at "ON", it is color fade effect of testing function, the speed is 7.

4. Conjunction Diagram:

1.Connecting LED lamp:

