

# LT-890 DMX512 CV Decoder

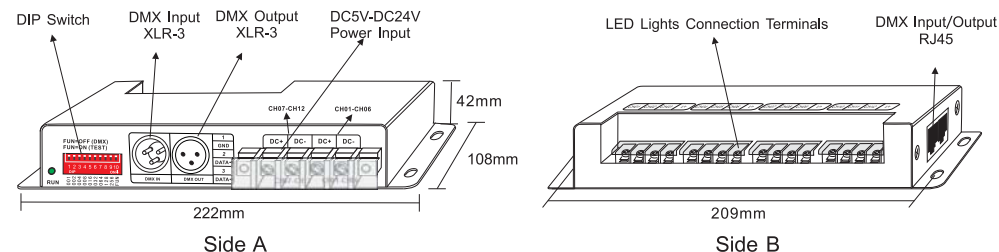


LT-890 DMX CV Decoder converts the universal standard DMX512 signal into PWM signal to drive LEDs. this compact decoder work with DMX512 Console, with 256 levels gray scale output per channel. Realize 0-100% brightness and various changing effect. equipped with DMX standard XLR-3, RJ45 interface, easy to operate. And it can control single color, two color, RGB LED light.

## 1. Product Parameter:

LT-890	
Input Signal	DMX512
Input Voltage	DC5V~DC24V
Max Load Current	5A×12CH Max 60A
Max Output Power	300W/720W/1440W(5V/12V/24V)
DMX512 Socket	XLR-3, RJ45
Working Temperature	-30°C~65°C
Dimension	L222×W108×H42mm
Package Size	L242×W113×H46mm
Weight(G.W.)	710g

## 2. Configuration Diagram:



## 3. How to Set DMX Address via Dip Switch:

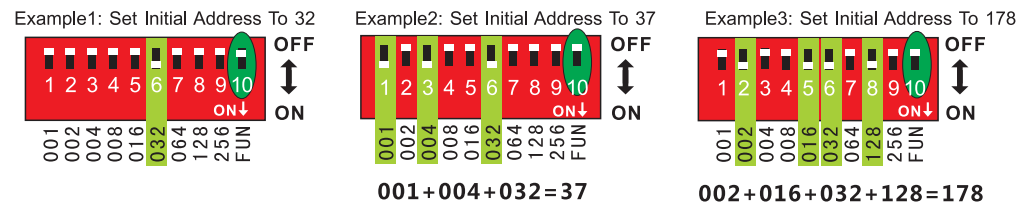
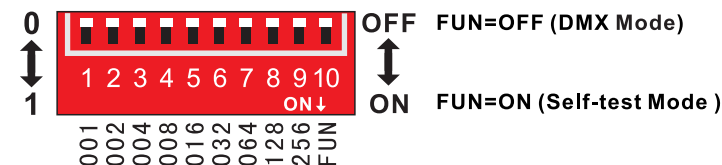
1) Set DMX512 Original Address:

Accept DMX512 signal only when the DIP switch FUN=OFF, as Figure 1

DIP	1	2	3	4	5	6	7	8	9	10
Address	001	002	004	008	016	032	064	128	256	FUN

**Specification**

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.



\* When Dip switch 1-9 are OFF, the initial DMX address defaults to 1.

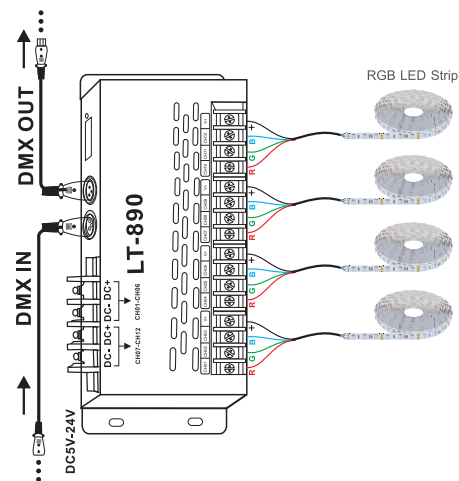
2) Testing Function:

Regarding the dip switch, Turn on 10th for testing mode. No.1-6 control 12 Channels accordingly. Namely one switch control 2 continuous channels. No.7-9 is for brightness setting, 8 levels, which applies for all channels.

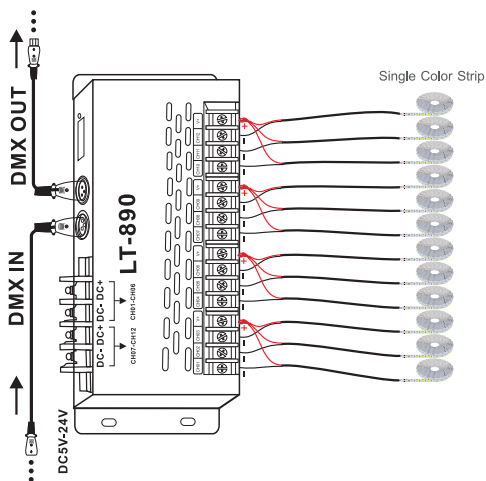


4. Connection Diagram:

1) Connecting RGB LED Lights:

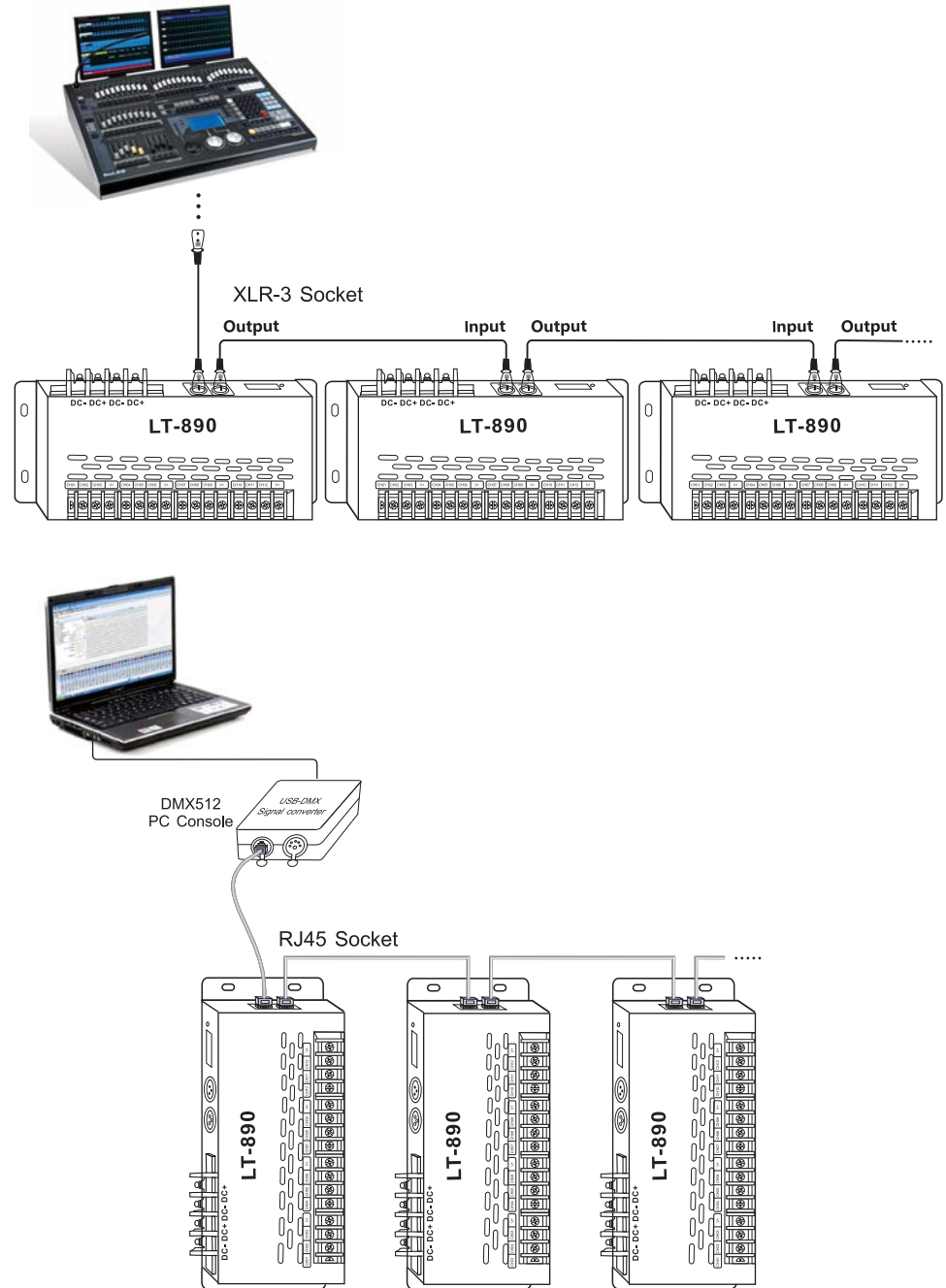


2) Connecting Single Color LED Lights:



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3) DMX Console Connection



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## 5. Attention:

- 1) The product shall be installed and serviced by a qualified person.
- 2) This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- 3) Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6) Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7) If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

## 6. Warranty Agreement:

- 1) We provide lifelong technical assistance with this product:
  - A 5-year warranty is given from the date of purchase. The warranty is for free repair or replacement and covers manufacturing faults only.
  - For faults beyond the 5-year warranty we reserve the right to charge for time and parts.
- 2) Warranty exclusions below:
  - Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
  - The product appears to have excessive physical damage.
  - Damage due to natural disasters and force majeure.
  - Warranty label, fragile label and unique barcode label have been damaged.
  - The product has been replaced by a brand new product.
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer. LTECH shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.
- 4) Any amendment or adjustment to this warranty must be approved in writing by LTECH only.

★ This manual only applies to this model. LTECH reserves the right to make changes without prior notice.