

## LED DMX 512 Decoder

Part Number: LT-DMX-512-3



LED DMX 512 Decoder (LT-DMX-512-3) adopts advanced microchip control technique and can convert DMX512/1990 digital signal into 256 grade power output to control and dim many DC LED lighting fixtures.

### Features

- 256-grade Stepless Dimming

LED DMX 512 Decoder can convert signal to 256 grade dimming levels, from 0 to 100%, which can meet any project request.

- Easy Installation and Operation

LED DMX 512 Decoder can be easily set up with DMX512 console and power source. Clearly expressed instruction will enable to operate it easily.

- Default Test Function

When the “FUN” button is on, the default test function will be activated.

- Humidity/Moisture Resistant

With IP54 protection degree, LED DMX 512 Decoder can operate normally in cloudy and humid weather conditions.

- Overload Protection

Power capacity can be up to 100W(12VDC) or 200W(24VDC) which can meet general request. With overload protection component, it will switch off automatically when overdriven.

## Technical Specification

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Dimension	L125xW65xH40 (mm)
Weight	0.3Kg
Input Voltage	12VDC-24VDC
Output Voltage	12VDC-24VDC
Output Current	3A/Channel (total 9A)
Wattage	0-100W(12VDC), 0-200W(24VDC)
Dimming Levels	256 grades
Signal Protocol	DMX512/1990

### Address Setup Instruction

The decoder occupies 3 addresses on the console. There are 10 buttons from No. 1 to No. 10 for setting the FIRST address on the console. ( see below picture)

#### Button 1 to button 9

Each button represents a binary system number, like button 1 represents number 001 and button 6 represents number 032. Switch on the button to activate the represented number.

#### Button 10

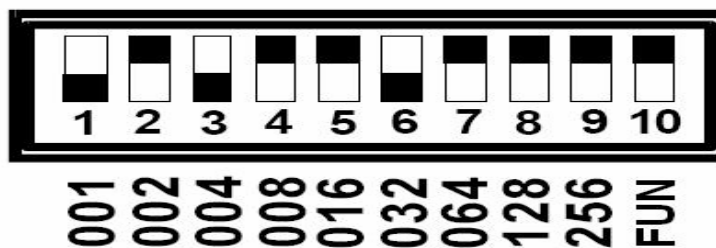
This is the FUN (function) button. Switch on this button will activate the default test function; switch off to activate the decoder function; under which the decoder can work jointly with console.)

Below is an operation example

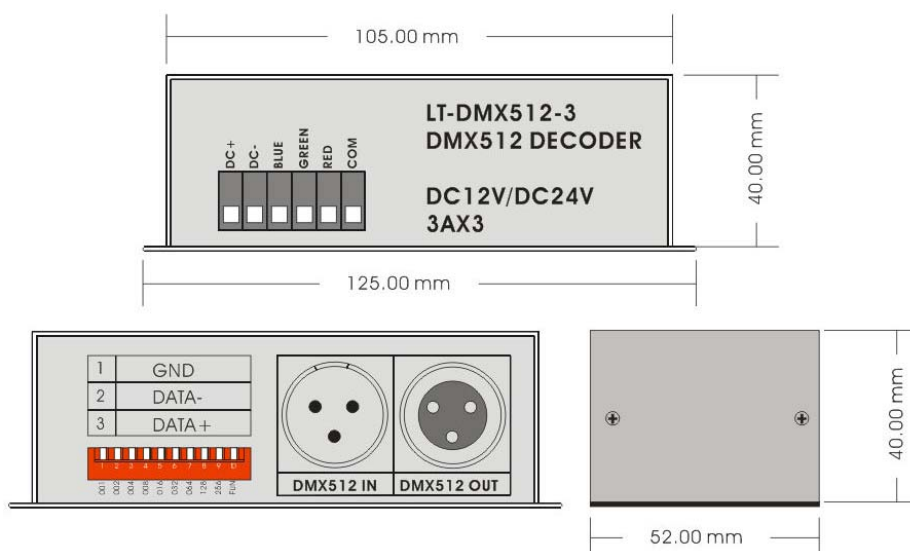
If you want to set the decoder to address 37, 38 and 39 on the console.

Firstly, switch off button 10 (FUN button)

Then, switch on button 6, 3 and 1. ( $32+4+1=37$ )



Wiring Diagram (See below drawing)



### Operation Instruction

Button 10= FUN

FUN=OFF, the decoder will work and receive signal from console.

FUN=ON, the decoder will work under default test mode.

Button 1~9=OFF, black

Button 1=ON, red

Button 2=ON, green

Button 3=ON, blue

Button 4=ON, yellow

Button 5=ON, violet

Button 6=ON, cyan

Button 7=ON, white

Button 8=ON, triple color changing (2 second interval)

Button 9=ON, seven color changing (2 second interval)

### Note:

After new address is set up, you should re-start the decoder or re-activate button "FUN" to activate the setting.