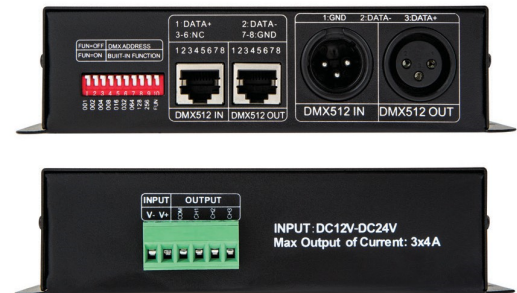


TQ-DMX512 DECODER

Parts Included:

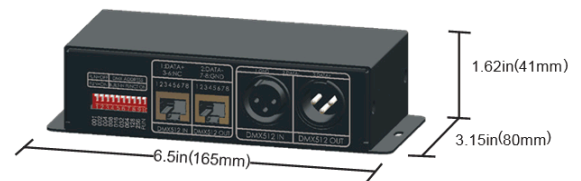
- 1 - DMX Decode
- 1 - Male XLR Connector
- 1 - Female XLR Connector



Pic 1

Specifications:

| | |
|---------------------|-----------------------------|
| Input Signal | DMX512 |
| Input Voltage | DC12V ~ DC24V |
| Max Load Current | 8A/CH. Customized |
| Channel QTY | CUSTOMIZED |
| Output Scale Level | 256 Levels/CH(8bit/CH) |
| DMX512 Socket | XLR-3, Green Terminal, RJ45 |
| Working Temperature | -20°C ~ 60°C |
| Dimension | 166mm x 57mm x 41mm |
| Weight(G.W.) | 13.40oz.(380g) |



Pic 2

DMX Decoder converts the standard DMX512 signal into PWM signal to drive LED products. This compact decoder works with DMX512 Console, with 256 levels of gray.

Scale output per channel. 0-100% brightness and various changing effects. DMX-3CH-4A is equipped with a DMX standard XLR-3, green terminal interface, RJ45, and it can control single color, two color, three color, or RGB LED lights

Setup Guide:

Accepts DMX512 signal only when the DIP switch FUN=OFF, as Figure 3.

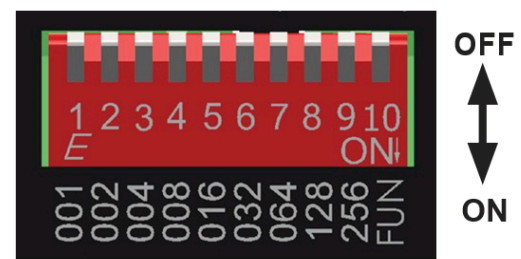
DMX512 initial address code is equal to the total sum of the DIP switches numbered from 1 to 9.

Placing the DIP switch in the DOWN position sets it's value to ON.

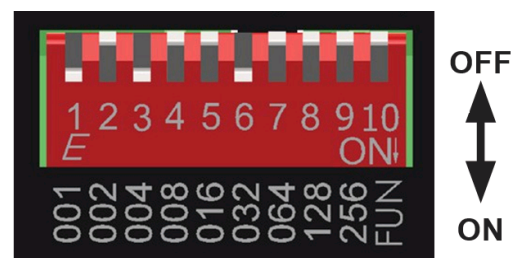
Placing the DIP switch in the UP position sets it's value to OFF.

When FUN=OFF, Decoder is DMX controlling mode

When FUN=ON, Decoder is in self-test mode



Pic 3



Pic 4

Example 1: Set initial address to 37

As figure 4:

Set the 6th, 3rd and 1st bit of the DIP switch downward to "1", the rest to "0",

The total sum from 1 to 9 is $32+4+1$.

So the DMX512 initial address code is 37

Example 1: Set initial address to 328

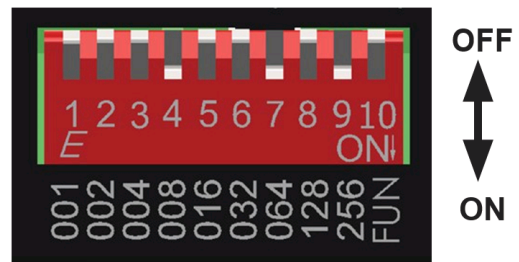
As figure 5:

Set the 4th, 7th, 9th, bit of the DIP switch downward to "1",

the rest to "0".

The summation from 1 to 9 is $8+64+256$.

So the DMX512 original address code is 328.



Pic 5

Connection:

