USER MANUAL

DMX512 DECODER

Technical Specifications:

- Input Voltage: 12-24V DC
- Output: Three CMOS drain- open output
- Connecting Mode: Common anode
- Max output current: ☐4A each color ☑8A each color
- Product size: L6.53" x W2.63" x H1.61"
- Package size: L7.28" x W3.34" x H2.32"
- Net weight: 340g
- Gross weight: 380g
- Operating temperature: -4°F to 76°F(-20°C to 60°C)

Function:

1. Each DMX common controller occupies 3 DMX addresses, adopt coding switch set address. It is a binary numerical code switch which sets DMX original address code from 1 to 9, 1 is the lowest and 9 is the highest. 511 address codes could be set in all DMX original address code equal aggregate value of the coding switch value from 1 to 9. Dial the coding switch upward (ON is set I). The value of bit can be gotten, on the contrary the value of bit is O For example: if you want to set 37, as the address code you can dial down the first the third and the sixth code switch the aggregate value of coding switch value from l to 9 is 32+ 4+1 that is the original address code OMX512 is 37.

2. DMX signal can be received when coding switch FUN (10): OFF (ON is settled 0)

3. When coding switch that FUN (10) is ON, its functions is as follows:

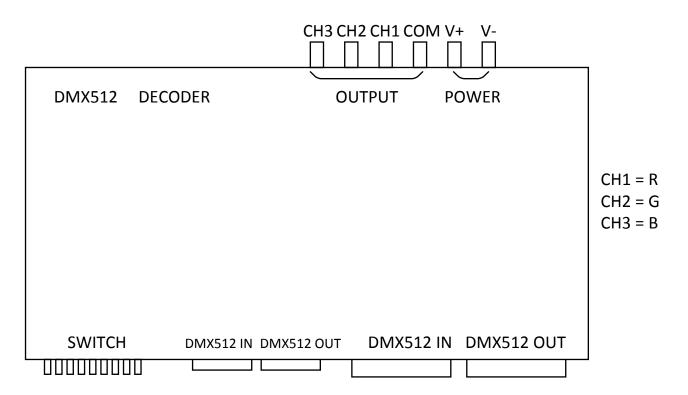| Coding Switch	Function
Switch1-9 is off	black
Switch1=ON	red
Switch2=ON	green
Switch3=ON	blue
Switch4=ON	yellow
Switch5=ON	purple
Switch6=ON	cyan
Switch7=ON	white
Switch8=ON	Seven-color jumpy changing(8 steps speed)
Switch9=ON	Seven-color gradual changing (8 steps speed)

4. If coding switch is 8 or 9 from l to 7 is the choice for speed there are 8 steps in all the description is as follows:

Coding Switch	Function
Switch1-7 is off	0 Steps
Switch1=ON	1 Steps
Switch2=ON	2 Steps
Switch3=ON	3 Steps
Switch4=ON	4 Steps
Switch5=ON	5 Steps
Switch6=ON	6 Steps
Switch7=ON	7 Steps(the greatest speed)

There are several switches is ON at the same time, the great is standard.

Interface Diagram:

CH3 CH2 CH1 COM V+ V-

DMX512   DECODER   OUTPUT   POWER

CH1 = R
CH2 = G
CH3 = B

SWITCH   DMX512 IN   DMX512 OUT   DMX512 IN   DMX512 OUT

Safety Information:

1. The input voltage of this controller should be follow. The specifications, other high voltage would most probably destroy it.
2. Never connect two wires directly in case of short circuit.
3. Lead wire should be connected correctly according to colors that connecting diagram.
4. Warranty of this product is one year, in this perios we guarantee replacement or repairing with no charge, but exclude the artificial situation of damaged.

Connection Diagram: