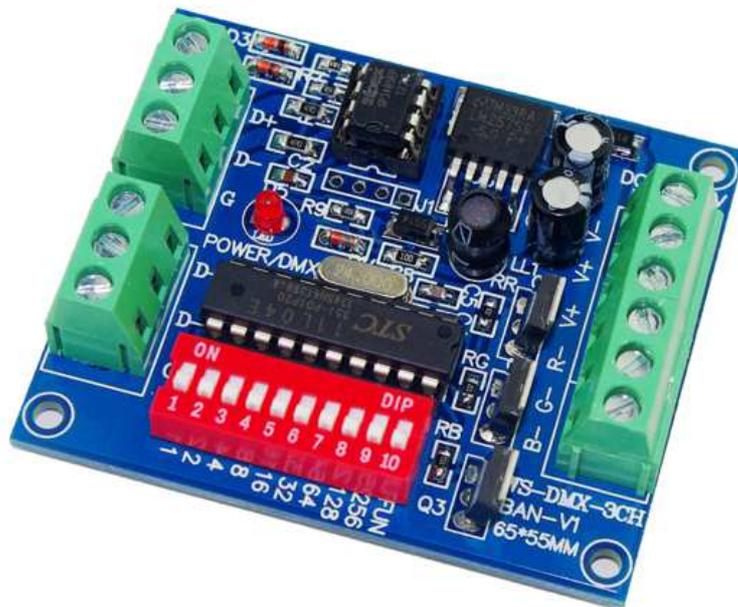# USER´S MANUAL

WS-DMX-4CH DMX512 DECODER

I.   Specifications

Working temperature: -20° C - +60° C
Supply voltage: DC 5 V – 24 V
Product size: 68 x 55 x 15 mm (L x W x H)
Output: CMOS drain-open output
Connecting mode: Common anode
Max. output current: 4 A each color
Weight: 60 g

II.   Function

1. Each DMX common controller occupied 4 DMX adresses, adopt coding switch set adress, it is a binary numerical code switch which is setting DMX original adress code from 1 to 9. 1 is the lowest, and 9 is the highest, 511 adress codes could be setted in all. DMX original adress code equal aggregate value from 1 to 9, dial the coding switch upwards (ON is setted 1), the value of bit can be gotten, on the contrary, the value of bits is 0.
   For example: if you want to set 37 as the adress code, you can only dial down the first, the third and the sixth code switch value from 1 to 9 is 32+4+1, that is, the original adress code of DMX512 is 37.
2. DMX signal can be received when coding switch FUN (10) = OFF.
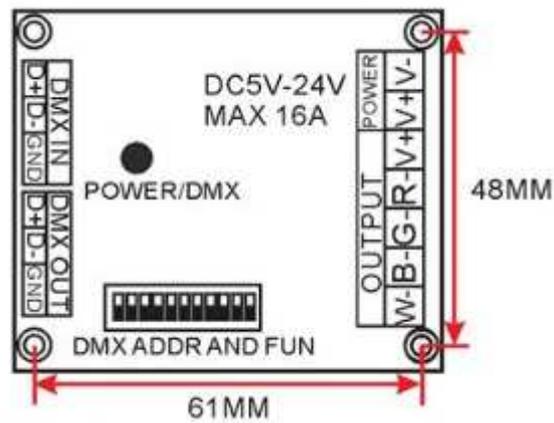3. When coding switch that FUN (10) is ON, its function is as follows:

Switch 1-9 is off	Black
Switch 1 = ON	Red
Switch 2 = ON	Green
Switch 3 = ON	Blue
Switch 4 = ON	Yellow
Switch 5 = ON	Purple
Switch 6 = ON	Cyan
Switch 7 = ON	White
Switch 8 = ON	Seven-color jumpy changing (8 steps speed)
Switch 9 = ON	Seven-color gradual changing (8 steps speed)

4. If coding switch is 8 or 9, from 1 to 7 is the choice for speed, there are 8 steps in all, the description as as follows:

Switch 1-7 is off	0steps
Switch 1 = ON	1 steps
Switch 2 = ON	2 steps
Switch 3 = ON	3 steps
Switch 4 = ON	4 steps
Switch 5 = ON	5 steps
Switch 6 = ON	6 steps
Switch 7 = ON	7 steps (the greatest speed)

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

III.   Interface diagram

IV. Safety information

1. The input voltage of this controller should be follow, the specifications, other high voltage would most probablyroy it.
2. Never connect two wires directly in case of short circuits.
3. Lead wire should be connected correctly according to colors that connecting diagram.
4. Warranty of this product is two years, in this period charge, but exclude the artificial situation of damaged.

V. Connect diagram