

USER MANUAL



DMX512 DECODER

Working temperature: -20-60 °C

Supply voltage: DC 12-24V

Product size: L166×W67×H41 mm

Package size: L185×W85×H59mm

Net weight:340g

Gross weight:380g

Output: Three CMOS drain- open output

Connecting Mode: Common anode

Max output current: 4A each color 8A each color

II. Function

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

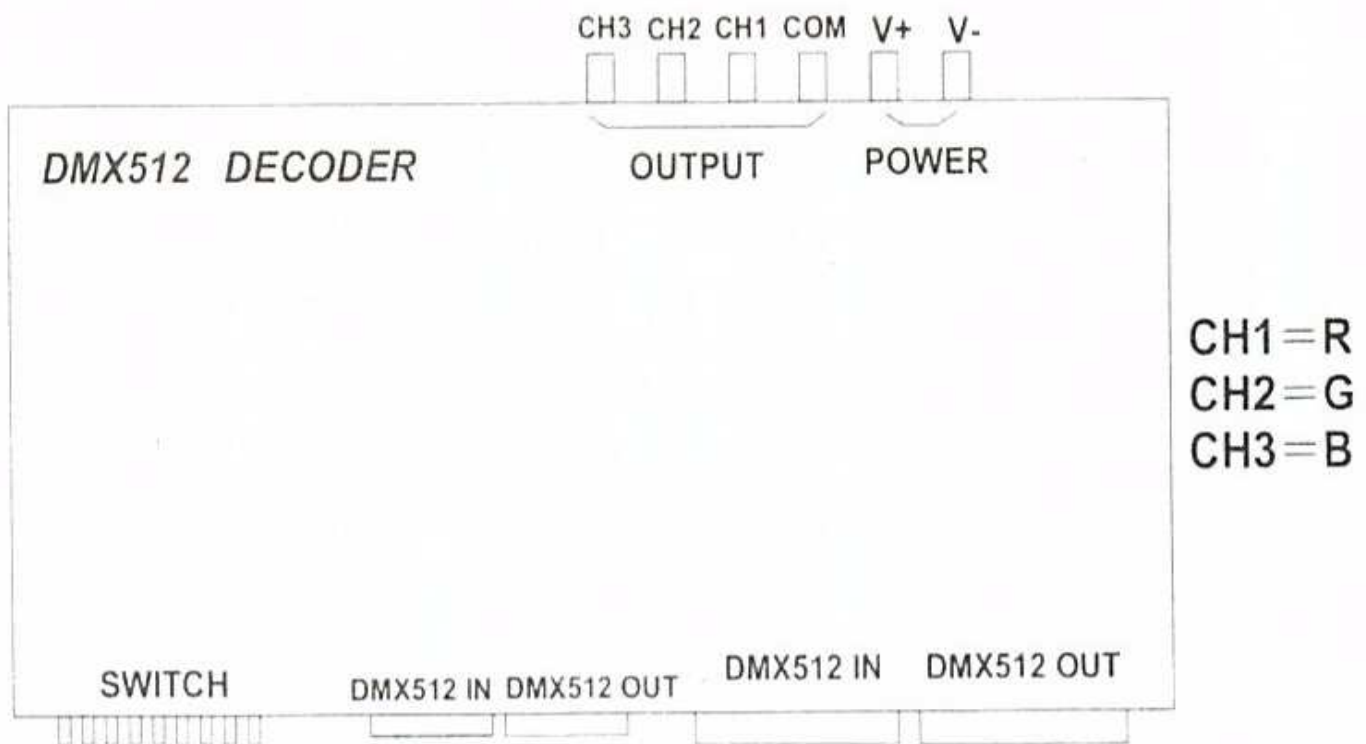
Coding switch	Function
switch1-9 is off	black
Switch1=ON	red
Switch2=ON	green
Switch3=ON	blue
Switch4=ON	yellow
Switch5=ON	purple
Switch6=ON	cyan
Switch7=ON	white
Switch8=ON	seven-color jumpy changing(8 steps speed)
Switch9=ON	seven-color gradual changing(8 steps speed)

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

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)

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 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 period we guarantee replacement or repairing with no charge, but exclude the artificial situation of

V.Connect Diagram

