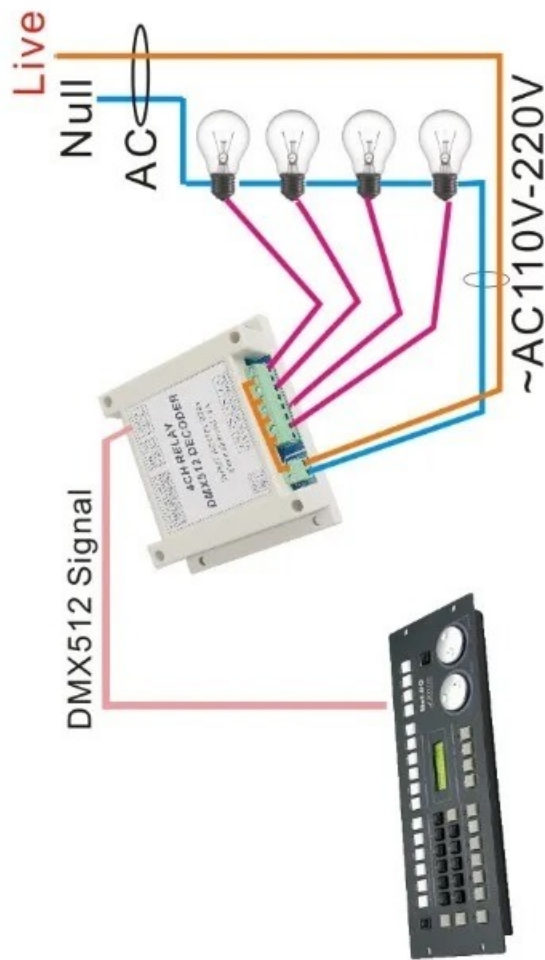# USER MANUAL

V. Connect Diagram

WS-DMX-RELAY-4CH-220

DMX512 DECODER

V1.0

I.Specifications

Working temperature:-20℃-60℃
Input voltage: AC 110 ~ 220V 50/60HZ
Product size :L115*W90*H40mm
Output: 4 Group Relay switch
DC5V-48V   Each channel :4A
AC5V-250V   Each channel :4A
Controller: DMX512 3P
guide rail:35mm
Weight: 0.22Kg
Dmx512 data:
0—127 Relay switch OFF
128—255 Relay switch ON

II.Function

1.Each DMX common controller occupied 4 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 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 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.

3.The function table :

Function	DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8	DIP9	DIP10
DMX512 State	DIP1-DIP9 is DMX512 addresses									OFF
test mode	X	X	X	X	X	X	X	X	X	ON
test mode1	DIP1-DIP8 is speed setting								ON	ON
test mode2	speed seting							ON	OFF	ON
test mode3	speed seting						ON	OFF	OFF	ON
test mode5	K1	K2	K3	K4	OFF	OFF	OFF	OFF	OFF	ON
relay off	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON

ON: DIP seting ON;   OFF : DIP seting OFF;
X : DIP free position;

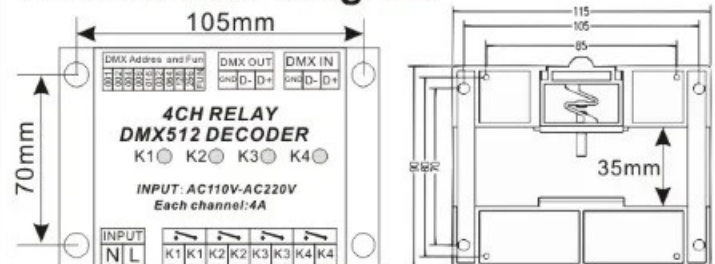| mode 1	K1	K2	K3	K4
setp1	●	●	●	●
setp2	○	○	○	○

mode 2	K1	K2	K3	K4
setp1	●	○	○	○
setp2	○	●	○	○
setp3	○	○	●	○
setp4	○	○	○	●

mode 3	K1	K2	K3	K4
setp1	○	●	●	●
setp2	●	○	●	●
setp3	●	●	○	●
setp4	●	●	●	○

mode 4	K1		K2		K3		K4
DIP1 is ON	●	DIP2 is ON	●	DIP3 is ON	●	DIP4 is ON	●
DIP1is OFF	○	DIP2 is OFF	○	DIP3 is OFF	○	DIP4 is OFF	○

● relay on   ○ relay off

III.Interface diagram

IV. Sfafety 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 charge , but exclude the artificial situation of damaged.