USER MANUAL

Ultra bright LED BAR RGB, 384 LEDS

(LED-BAR-384)

catalogue

Please read over this manual before operating the light

1.Summarize

➢ Summarize

Thank you for purchasing our LED wall wash lighting. Please read these instructions carefully before begin and operate the fixtures according to these instructions to avoid any possible damages and accidents causes by misusage.

➢ Products introduce

This led wall washer color-changing projecting light is covered by tensile aluminum, designed in a fashion of hydrodynamic form. It takes uses high power R,G,B 3 kinds LED. Each kind of LED can be independently dimmer, color temperature from 1000K to 6000K. It uses power switch, performs low weight and consumption, stable capability and long life. The built-in program includes dimmer, strobe, gradual change, fading and so on. International standard DMX 512 signal is requested.

➢ Packing list

- LED-BAR-384 light 1PC
- bracket 2 pcs
- The use manual
- Warranty Card

2.Safety Information

➢ Safety Notes

! Enquire the skilled people before any repair;

! Always make sure disconnect from the power source before setting up, serving and moving;.

! Avoid direct eye exposure to the fixture when it is on;

➢ Safety instruction

● Make sure the power supply voltage are consistent with this lights , Ensure the use of voltage is in the range of the request technical parameter.

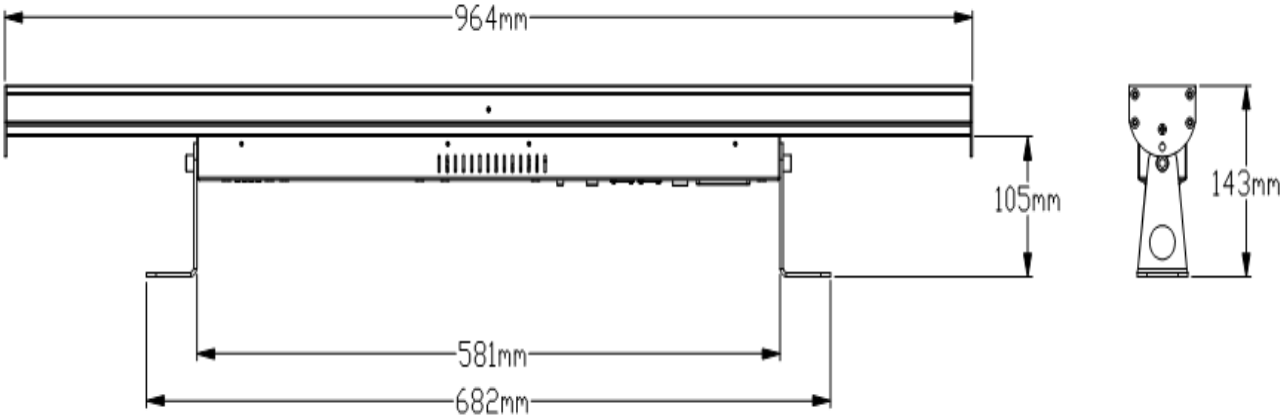
●before the installation, please check the light's fasteners and mechanical structure have been received in good condition and appear no damage.

●This light is designed for indoor use, working temperature is lower than 40 degree.

●The fixtures maybe mounted in any position provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items (ornaments) in 0.5 meters away.

●Yellow / green cabling earthling safety; no flicker when the fixture is working on.

3.Outside Size Picture



4.Main Function

- high quality LED: low consumption, high brightness, stable capability and long life
- each color of LED with 256 dimming. RGB can make over 16.7 million colors.
- dim 0%-100%, Strobe、gradual change、jumping change
- DMX512 Controller , 3 button set DMX ID address with led display, each pixel with 48 LEDS and total in 8 pixels.
- auto run /sound activated/master slave/interconnected multi-machine control
- using switching power supply to protect the LED to work well
- protection rating:IP20
- DMX512 channels:3,4,7,10,16,24channels

5.DMX Control Function

(3CH)

Channel	DMX Value	Control Function
1CH	0-255	red diming0-100%
2CH	0-255	green diming0-100%
3CH	0-255	blue dimming 0-100%

(4CH)

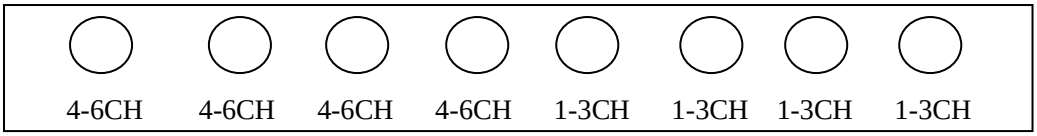
Channel	DMX Value	Control Function
1CH	0—255	Red dimming 0—100%
2CH	0—255	Green dimming 0—100%
3CH	0—255	Blue dimming 0—100%
4CH	0—255	General control

(7CH)

Channel	DMX Value	Control Function	priority

1CH	0—255	Red dimming 0—100%	0
2CH	0—255	Green dimming 0—100%	0
3CH	0—255	Blue dimming 0—100%	0
4CH	0—26	invalid	3
	27-53	Mode 1	
	54-80	Mode 2	
	81-107	Mode 3	
	108-134	Mode 4	
	135-161	Mode 5	
	162-188	Mode 6	
	189-215	Mode 7	
	216-242	Mode 8	
	243-255	Comprehensive mode 1-8	
5CH	0—255	Speed adjustment，255 is the fastest	1
6CH	0—15	invalid	1
	16-255	strobe，255 is the fastest	
7CH	0—15	invalid	2
	16-242	Gradual change，242 is the fastest	
	243-255	Random sound control	

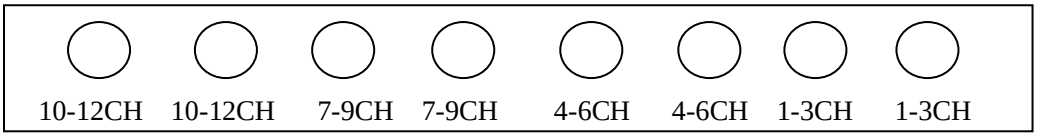
10CH：



Separated into two parts, each composed by the RGB (accounting for 3CH), respectively, the former 6CH adjust the RBG brightness 0-100%, after 4CH functional control, as well

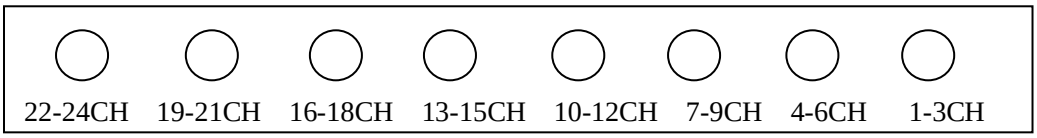
as 7CH.

16CH :



Separated into four parts, each composed by the RGB (accounting for 3CH), respectively, the former 4CH adjust the RBG brightness 0-100%, after 4CH functional control, as well as 7CH.

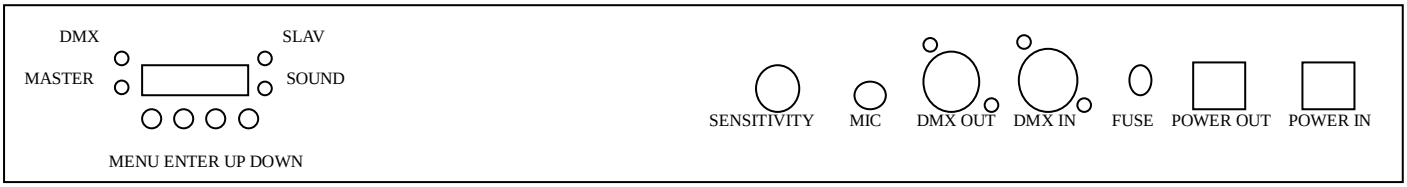
24CH :



Separated into eight parts, each composed by the RGB (accounting for 3CH), respectively adjust the RBG brightness 0-100%.

28CH : Separated into eight parts, each composed by the RGB (accounting for 3CH), respectively, the former 24CH adjust the RBG brightness 0-100%, after 4CH functional control, as well as 7CH.

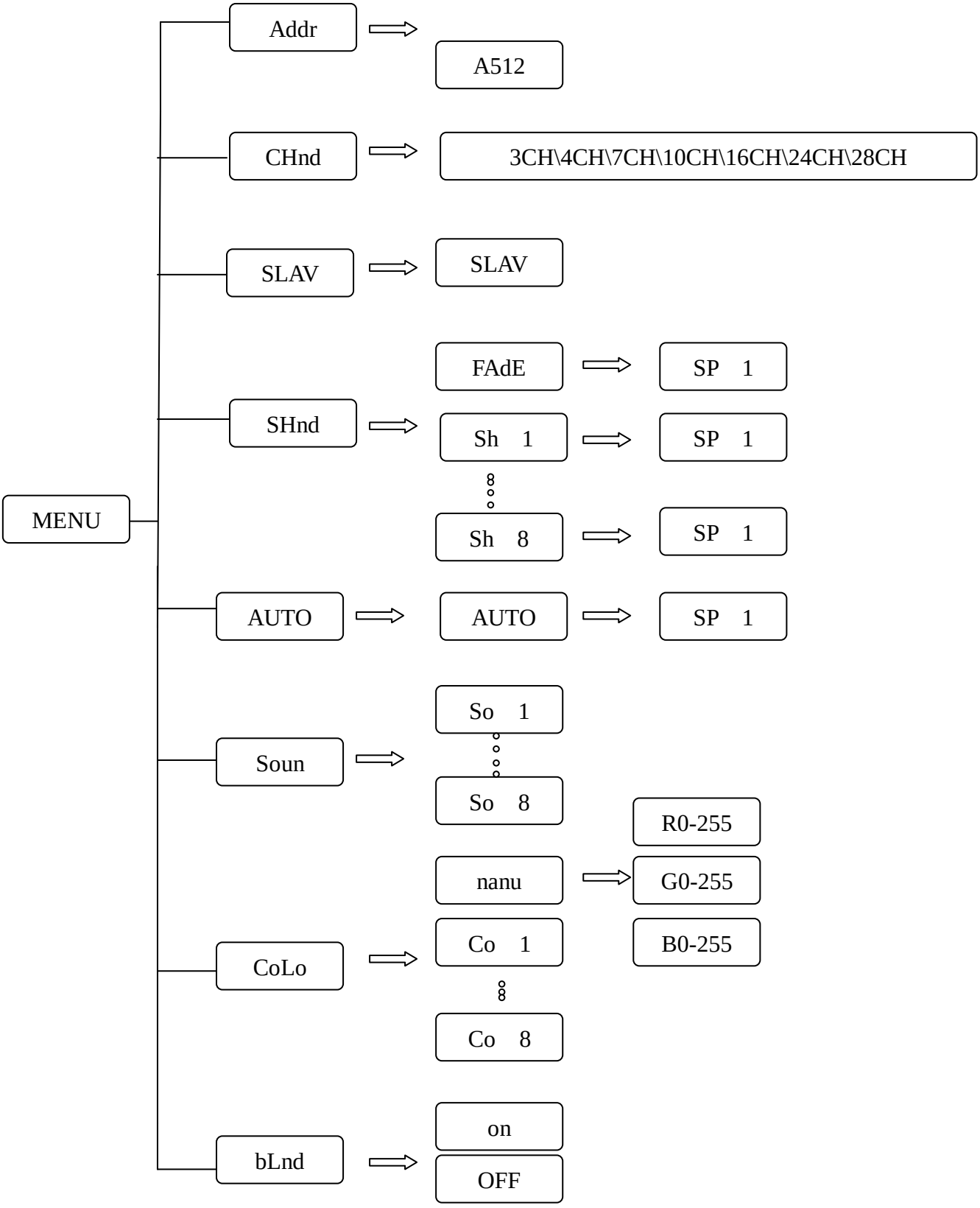
6.Display Operation



- MENU : access the menu or return to a previous menu option
- ENTER: select the current menu option
- UP: menu selection or parameter increments

- DOWN: menu selection or parameters decrease

7.Menu Instruction



- ”addr”: DMX mode

1.Press MENU, go back to the initial setting, Press UP / DOWN until Addr.

2. Press ENTER to choose, the display will glinting at this moment, Press UP / DOWN to choose the receiving address

3. Press ENTER to confirm, store the current menu options. DMX mode will be stored automatically and the screen will stop glinting.

- CHnd: DMX channel

1. Press MENU, go back to the initial setting, Press UP / DOWN until “CHnd”

2. Press ENTER then shows the “3CH-28CH” and glinting,press UP/DOWN to choose the number of receiving channel.

3. Press ENTER about 2 seconds then automatically return to “A001” and saved.the same as glinting for 4 seconds

- SLAV: slave receiving mode

1. Press MENU, go back to the initial setting, Press UP / DOWN until “SLAV”

2. Press ENTER to confirm, at this time will shows the “SLAV” and glinting then confirm again parameter save, stop glinting. Slave indicator lighting

- SHnd:built-in mode

1. Press MENU, go back to the initial setting, Press UP / DOWN until “SHnd”

2. Press ENTER, if "FAFE" as the gradual state, if "SH 1-SH 8" built-in 8 kinds of programs, press UP / DOWN to select the program change.

3. The second ENTER will show "SP 1-SP 8", press UP / DOWN to change speed of the current program.

4. Third ENTER to return to the current program, to stop glinting, the parameter is automatically saved. Host indicator lighting.

- AUTO:auto run mode

1. Press MENU, go back to the initial setting, Press UP / DOWN until “AUTO”

2. Press ENTER, at this time will show "SUTO." And glinting, and then press ENTEN to confirm, parameter save, stop glinting. Host indicator lighting.

- Soun:sound activated

1. Press MENU, go back to the initial setting, Press UP / DOWN until “Soun”

2. Press ENTER, if "FAFE" as the gradual state, if "So 1-So 8" built-in 8 kinds of sound control programs, Host indicator lighting.

3.Press to confirm, the parameter is automatically saved. sound indicator lighting.

- CoLo:color selection

1. Press MENU, go back to the initial setting, Press UP / DOWN until “CoLo”
2. Press ENTER, if it shows "nanu" Manual for the RGB dimmer state, and then ENTER key, separately adjust the "r000", "g000", "b000" brightness, when once again returned to "nanu", the parameters are stored, and stop glinting.

If the show "Co 1-Co 8" built-in 8 kinds of colors, press UP / DOWN to select, then press ENTER, parameter save, stop glinting.

- bLnd: close the light

1. Press MENU, go back to the initial setting, Press UP / DOWN until “blnd”
2. Press ENTER,will show “ON” or “OFF”,the press UP/DOWN to select.
3. Press ENTER, parameter save, stop glinting.(note:when choose “ON” is close the light)

8.Operating Control Instruction

- **Master/Slave**

Master：The master should always working as a master as long as it is not set in a DMX mode whatever other modes it is. And it send out the signal so that the slave synchronous with it. To avoid the host signal and DMX512 signals interfere with each other, should cut off the DMX512 signals. The signal lines are longer than 60 meters(20 lamps) ,should increase a signal amplifier.

Slave：the Slave must be set in DMX mode and the address code should be A001, to assure receive the master’s signals correctly. Only one light can be set as a Master and others are slaves.

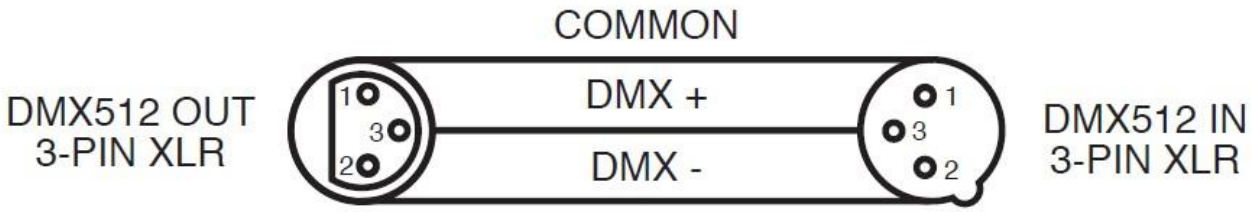
Note: This product uses input and output power cord 0.75 m ㎡ copper core wire, power line in series, when 220V AC should less than 30 lights, and 110V AC less than 20 lights! ! !

9.XLR cable connecting

- **XRL cable：**

The stand connection way of the XRL is: one end connect to the male plug ,and the other connect to the female.

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)



Noted : In order to avoid failures and interference signal transmission , we connect a resistance120Ω (1/4W) at the end of the DMX connecting as below:

Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

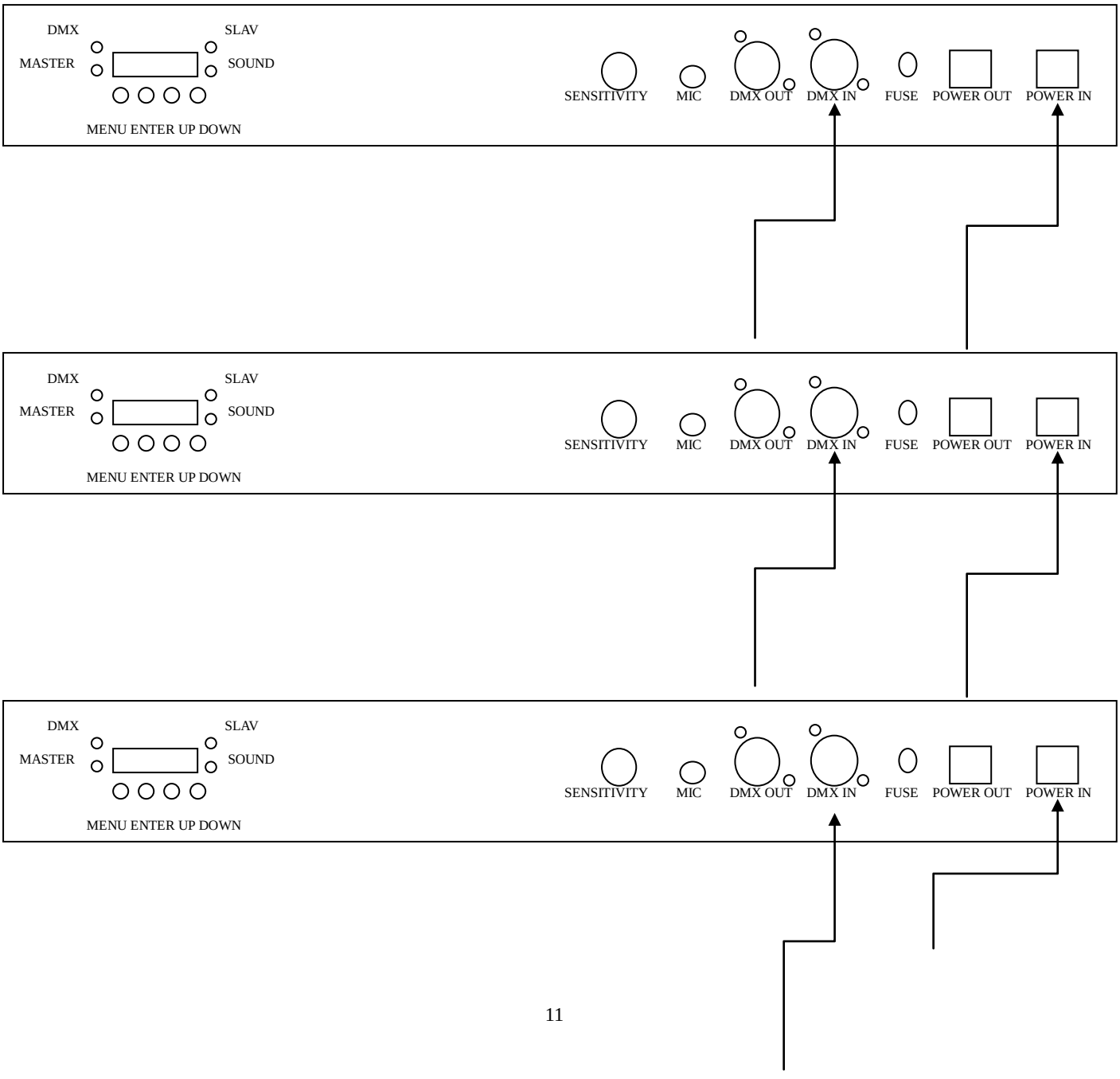
- The Conversion between 3pin and 5 pin XLR

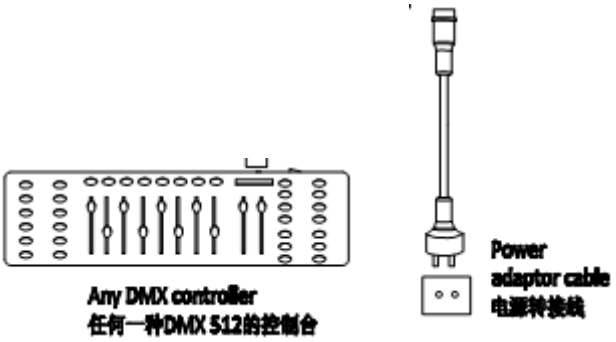
If the output cable of DMX512 controller is the 5PIN, please use 1pc 5PIN to 3PIN cable

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

10.Connecting picture

- Light connecting picture：





11.Problem Analysis

Problem	Checking way
Can not turn on the light	◆ Check the power source plug is in normal or not ◆ Check the switch of the lights is off or on ◆ Check the fuse if in normal
DMX can not control it	◆ Check the DMX cable is connect to the lights or not ◆ Check the DMX512 controller work in normal or not ◆ Check the DMX cable is normal or not ◆ Check if the lights is in DMX mode（A001）
Display not bright	◆ When connect to the electricity，did the led flash one time? If so，the power source is normal; If not，please check if the switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Chang the display
	◆ When connect to the electricity，did the led flash one time? If so，

LED not light	the power source is normal; If not ,please check if the switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Chang the display
Some of the LED not light	◆ LED is connect by leds in series first, then connect parallel, so please check if the leds is loose ◆ Use the multimeter to check if the led is bright or not, of not, please change the led ◆ check whether current limiting resistor is normal or not ◆ Check constant current IC is normal or not (compared with the normal IC)
Single color leds always bright/not bright	◆ Check the switch of this color is normal or not ◆ Change the IC control board

Noted：only professional persons can do as above！

12.Technical Specification

- Input voltage：AC 100V-264V/50-60HZ
- Consume：30W
- Lamp Type： LED(Φ5)
- Lamp Spec：red（128PCS）、green（128PCS）,blue（128PCS）
- Life span:50000-100000 hours
- Control mode：stand alone/ master and slaver
- Channel： 3CH、4CH、7CH、10CH、16CH、24CH、28CH

- Beam Angle: 25°
- Anti-electricity intension：1.5KV
- Insulation Resistance： > 2 MΩ
- Size:：965*65*80mm
- Net Weight：2.6KG

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