Hyper 363 P
USER MANUAL

Index

Please read over this manual before operating the light

1. Summary

Thank you for purchasing our Hyper 363 P lighting fixture. Please read these instructions carefully prior to operation. Use the fixture according to these instructions to reduce the chance of damage and accident.

➢ Product Introduction

This product uses high power R, G, B LED diodes. Each color can be manipulated independently. It can be operated via built-in programs or by international standard DMX 512 signal.

➢ Packing list

- Hyper 363 P Light 1pc
- DMX cable 1 pc
- User manual 1pc

2. Safety Information

➢ Safety Notes

! Repairs should be attempted only by qualified professionals;

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

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

➢ Safety Instructions

● Make sure the power supply voltage is consistent with the requirements of this fixture.

●Before the installation, please ensure that the light's fasteners and mechanical structure have been received in good condition and there is no damage.

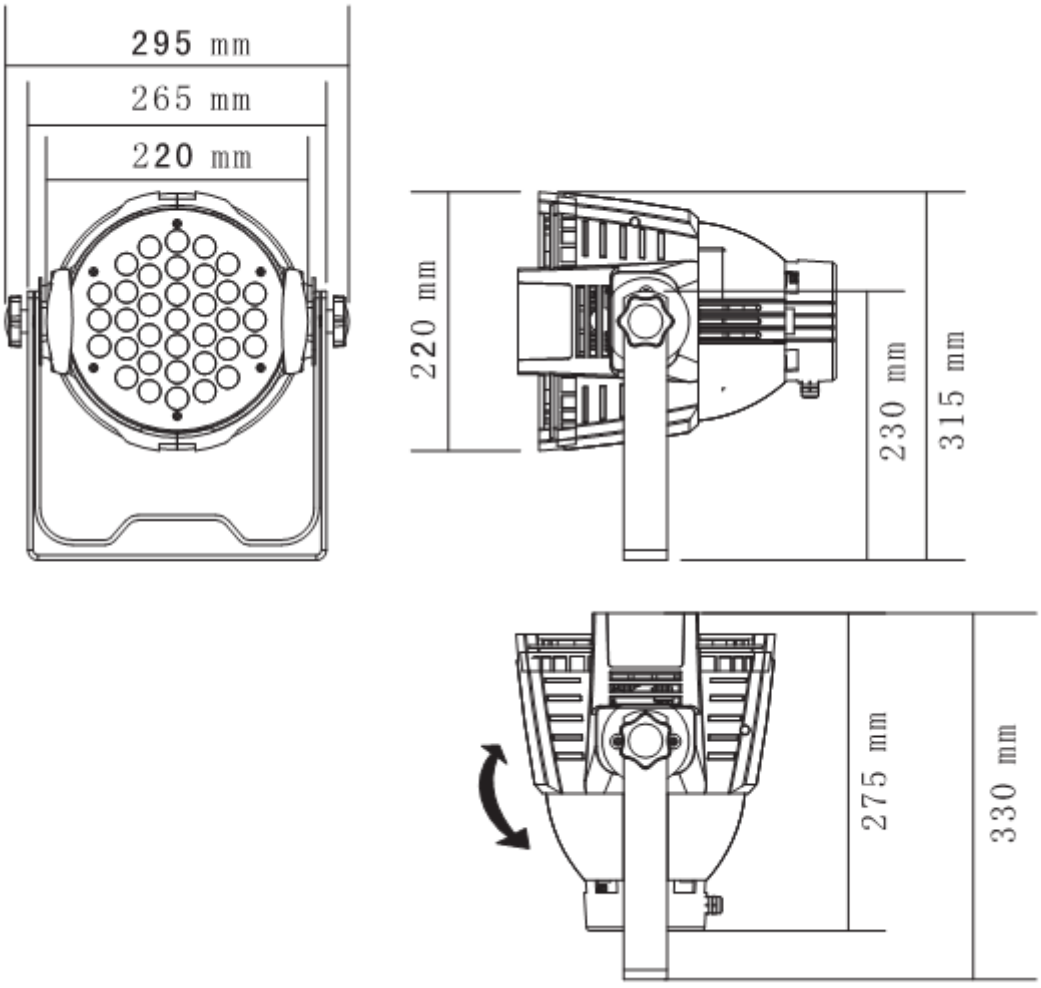
●This light is designed for indoor use only. Ambient temperature should not exceed 40 degrees Celsius.

●This fixture maybe mounted in any position provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items within 0.5 meters

of any surface of this unit.

●Please make sure that this fixture is properly grounded.

3. Dimensions



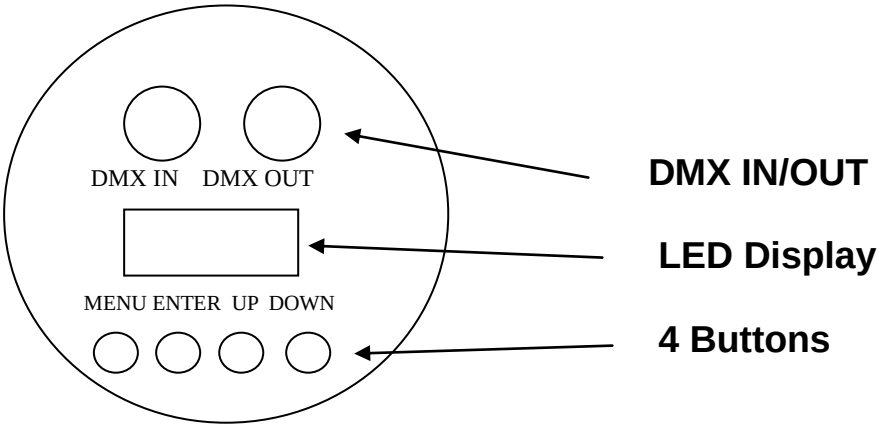
4. Main Functions

- High quality LED's: low power consumption, high brightness, stable output and long lifetime.
- Each color of LED dims in 256 increments.
- Combined, RGB yields over 16.7 million colors combinations.
- 36 three-watt LED’s of light: 12 Red, 12 Green, 12 Blue
- Linear Dimming 0%-100%, Strobes, Color change by fading, Color change by snapping
- Modes: Auto run /sound activated/master slave/DMX remote controlled
- Using switching power supply for optimal functioning and light weight.
- DMX512 channels: 6 channels
- Cast aluminum casing: Black, White (optional)

5. DMX Control Function

DMX Channel	DMX Value	Control Function	Remark	Priority
1	0-255	Master Dimmer 0——100%	0 = Off 255 = Full On	1
2	0-255	Red Dimming 0——100%	0 = Off 255 = Full On	
3	0-255	Green Diming 0——100%	0 = Off 255 = Full On	
4	0-255	Blue Dimming 0——100%	0 = Off 255 = Full On	
5	0-14	Dimming	When Channel 6 is 32-223，this channel adjusts the speed of the selected function (0-255)	2
	15-255	Strobe Speed	Increasing Strobe Frequency	
6	0-31	Invalid	Use 0-31 when you wish to only use Channels 1-5.	
	32-63	From dark to bright	Must use Channels 1-4, otherwise no light，Adjust speed with Channel 5.	3
	64-95	From bright to dark		
	96-127	From dark—bright—dark		
	128-159	RGB Gradient	Adjust speed with Channel 5.. Channels 1-4 disabled.	
	160-191	3 colors snap change		
	192-223	7 colors snap change		
	224-255	Sound activated.	Fixture changes color to noises.	

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 increase
- DOWN: menu selection or parameters decrease

7. Manual Instructions

Operating instructions:

1. The MENU button is used initially to access the menu. After that, it is used to return to a previous menu. Pressing UP / DOWN cycles through the available options at that menu level.
2. Press ENTER to access the displayed menu setting. If you are at the end of the menu tree and press enter, then that value displayed will be saved, even when the unit has been powered off. For example, if you want to set the DMX channel to 1, operate as follows:
   a) Press MENU, go back to the initial setting

b) Press UP / DOWN until “Addr” is displayed

c) Press ENTER to select address adjustment

d) Press UP / DOWN to change the address code to select A001

e) Press ENTER to select and store the current address. DMX mode will be stored automatically and the screen will stop flashing.

3. Primary Menu Options :

a) ”addr”: DMX mode – The unit is remotely controlled by a DMX controller set to the same address as this fixture. The possible addresses range from 1-512 and are displayed as A001, A002, ….A512.

b) “SouF”: Sound mode – Light flashes to sounds.

c) “SouA”: Sound mode – Light changes colors to sounds.

d) ”SP”; built-in program color cycles (SP00-SP15, SP00 is the fastest)

e) ”Pr”; Built-in programs （Pr00-Pr15: 16 programs in all）These programs are listed below. Pr7-Pr15 have adjustable speeds Sp0-Sp15. (Sp15 is the fastest.)

Pr00 = red	Pr08 = strobing green
Pr01 = green	Pr09 = strobing blue
Pr02 = blue	Pr10 = strobing amber
Pr03 = amber	Pr11 = strobing cyan
Pr04 = cyan	Pr12 = strobing purple
Pr05 = purple	Pr13 = strobing white
Pr06 = white	Pr14 = three color cycle (RGB)
Pr07 = strobing red	Pr15 = seven color cycle

f) ”ASC”; seven color cycle（AS00-AS15 speed adjustable）

g) ”FAdE”: gradual change between colors（FA00-FA15 speed adjustable）

h) ”FLAS”: (as in Flash) white color strobe（FL00-FL15 speed adjustable）

i) ”rL”: red color brightness adjustment mode （r000-W255, r255 is the brightest）

j) ”gL”: green color brightness adjustment mode（g000- g255, g255 is the brightest）

k) ”bL”: blue color brightness adjustment mode（b000- b255, b255 is the brightest）

Adjusting built-in programs（Pr- -）

1. Press MENU to go back to the initial setting
2. Press UP / DOWN until Pr—
3. Press ENTER to choose, the display will flash at this moment
4. Press UP / DOWN to find the desired program number
5. Press ENTER to select and store the current menu options. The unit will retain this setting even after the power has been cycled.

8. Master/Slave Operation

➢ **Master/Slave: All of the units are connected together so that the output of the first (Master) are mirrored in all of the other units (Slaves)**

Master：Units are always set in Master mode (i.e. outputting DMX signal that mirrors their own operation) unless they are set in DMX (which is also Slave mode). Signal lines longer than 60 meters or 20 fixtures should utilize a signal amplifier.

Slave：Connect all the slave units to the master unit using DMX cable. Set all slaves to DMX mode and address them to channel 1 (A001). Any adjustments made to the master should be displayed on the slaves as well.

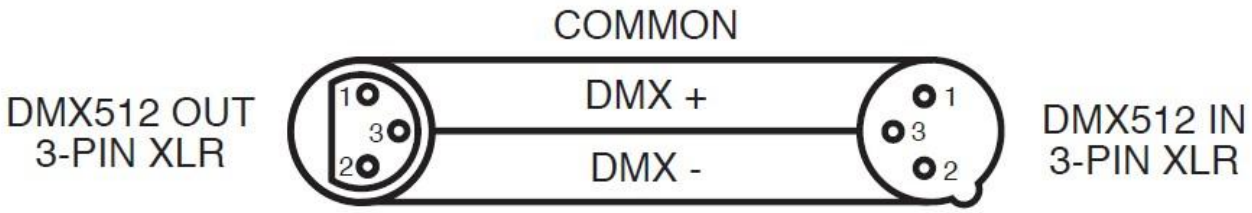
9. XLR Cable Connections

➢ **XLR cable：(DMX Cable)**

XLR/DMX connections are connected male to female, as shown below:

pin 1:ground,pin 2: negative signal, pin 3: positive signal

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



Note： Male and female jacks are wired in parallel. Either may be used for input and output.

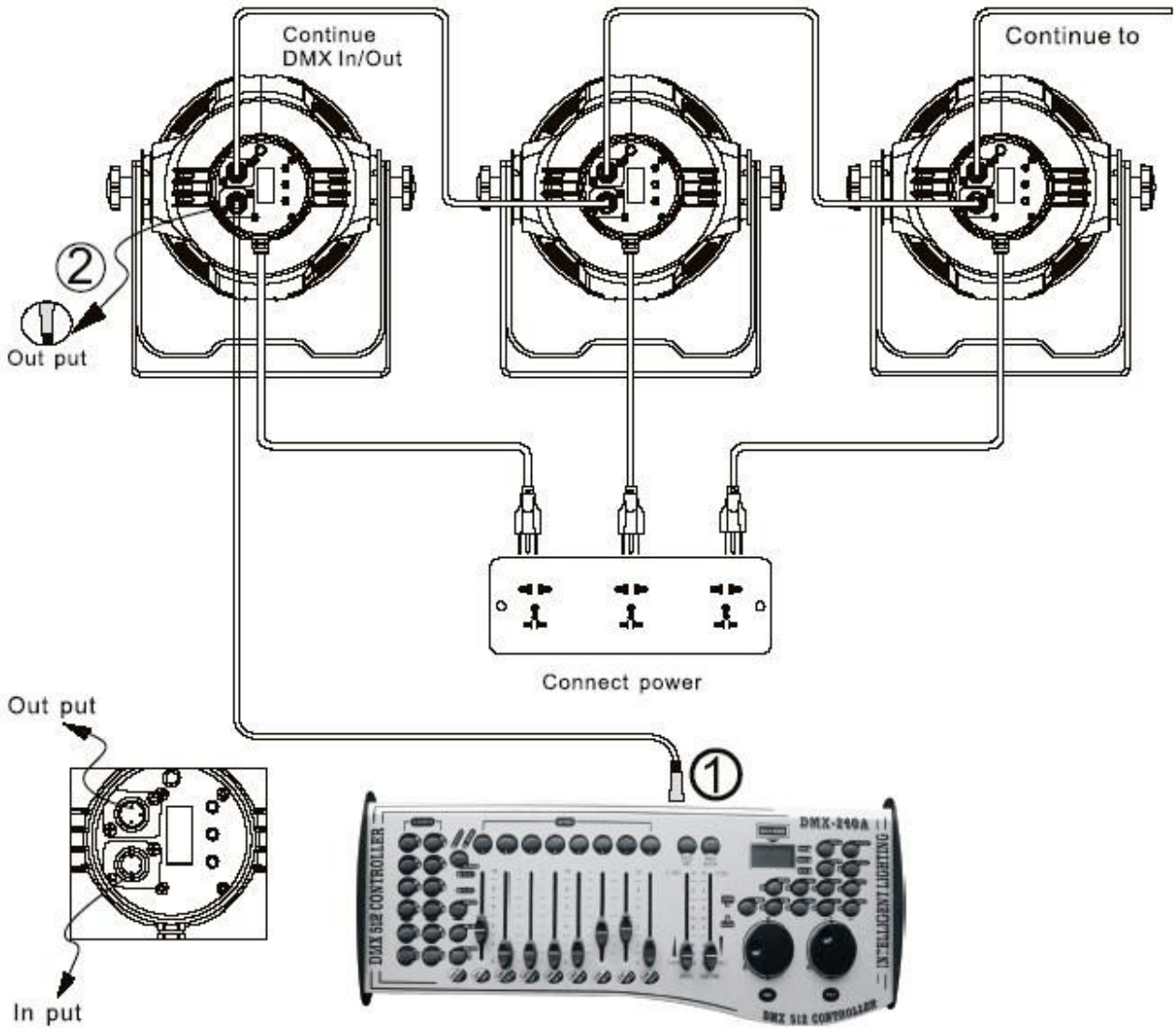
Note：In order to avoid failures and interference with signal transmission，use a terminator plug. Between pins 2 and 3, connect a resistance120Ω（1/4W） at the end of the DMX connecting as below:

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.

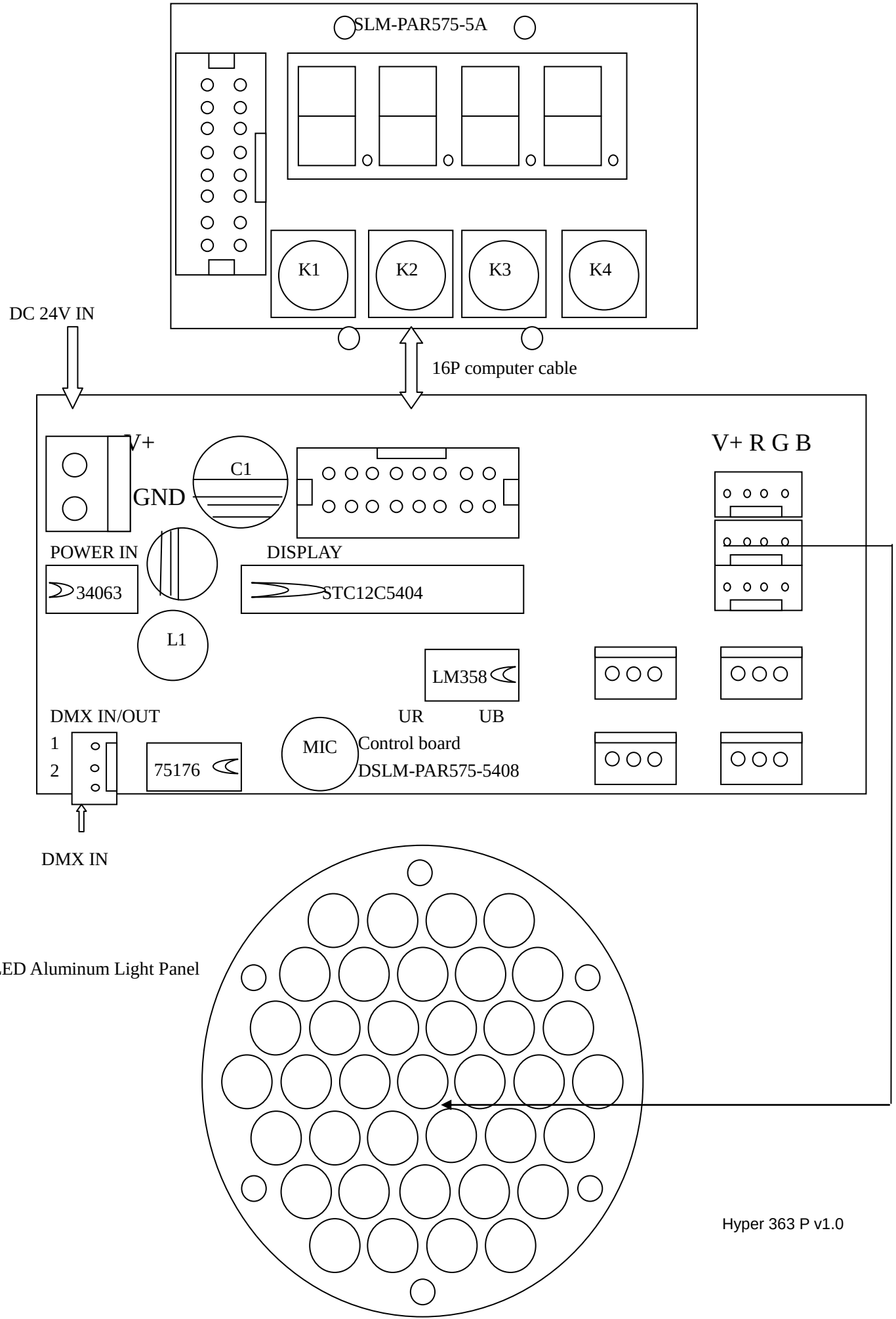
- Conversion between 3-pin and 5-pin XLR
- If the output cable of DMX 512 controller is the 5-PIN, please use a 5-PIN to 3-PIN adapter.

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

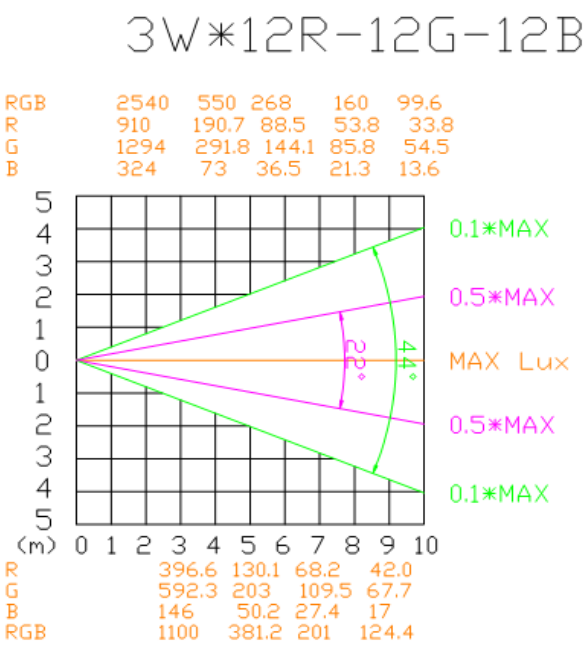
10. Connection Diagram



- Electrical wiring diagram

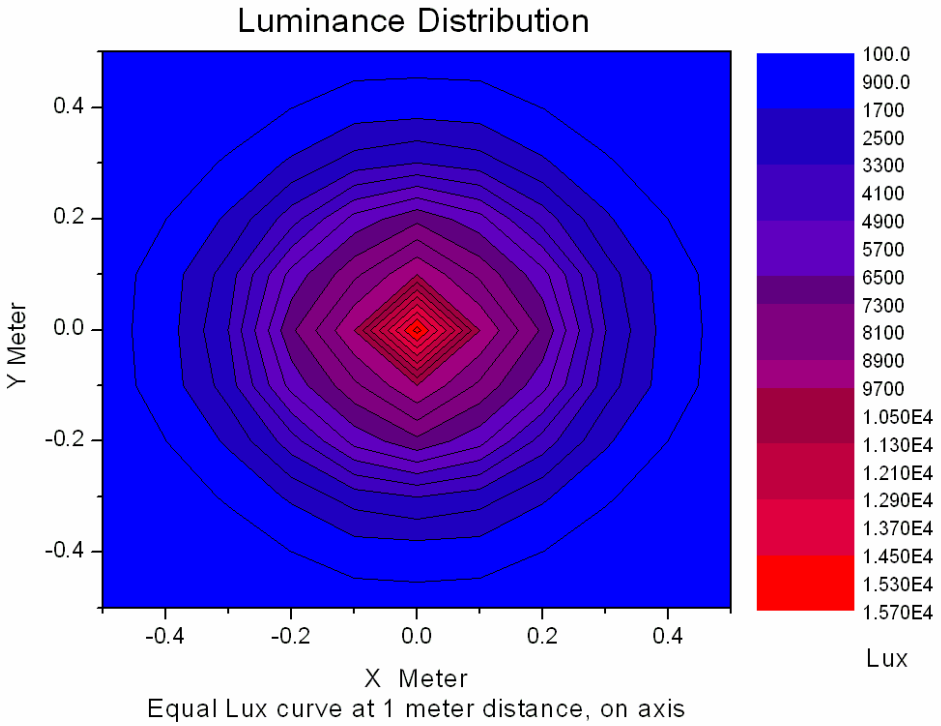


11. luminance Specifications



Tipical Chromaticity

Colors	X CIE(1931)	Y CIE(1931)
R	0.6973	0.2989
G	0.1626	0.7396
B	0.1372	0.0559
RGB	0.3029	0.2397



Equal Lux curve at 1 meter distance, on axis

12. Troubleshooting

Note：Only qualified professionals should attempt to service this unit!

Problem	Possible Solution/Cause
Can not turn on the light	● Ensure the power plug is fully inserted ● Ensure the power switch for the lights is on ● Check the fuse continuity
DMX not functioning	◆ Check the DMX cable is connect to the lights ◆ Check the DMX512 controller for signal output ◆ Check if the lights is in DMX mode（A001）
Display not bright	◆ When initially powered，did the led flash one time? If so，the power source is normal. If not, please check voltage switch or voltage supply. ◆ Check if the power input to the IC board is normal ◆ Check if the cable connect to the display is loose ◆ Change the main board to see if it is normal. ◆ Change the display
LED's not coming on.	◆ When connect to the electricity，did the led flash one time? If so，the power source is normal. If not, please check voltage switch or voltage supply. ◆ 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. ◆ Change the display
Some of the LED's not coming on.	◆ LED is connect in series first, then in parallel. Check to see if any LED's are loose. ◆ Use the multimeter to check if the led is powered or not. If 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 LED's Always bright/not bright	● Check the switch of this color is normal or not ● Change the IC control board

12. Technical Specifications

- Input voltage：AC 100V-264V/47-63HZ
- Power Consumption：120 Watts
- Lamp Type：High Power LED (3W)
- Lamp Spec：Red（12 PCS), Green（12 PCS), Blue（12 PCS）
- Life span: 50000-100000 hours
- Control mode：stand alone, master, slave, DMX, sound active
- Channel： 6CH
- Color Effect: RGB Mixing
- Beam Angle: 25°, (15° or 45° by special order)
- Display mode：4 seven-segment LED screen display, four-key input
- Cooling mode: Natural Convection
- Anti-electricity intension：1.5KV
- Insulation Resistance：＞2 MΩ
- Size:：330*295*220mm
- Net Weight：5 KG
- Casing: Cast Aluminum Black (White by special order)