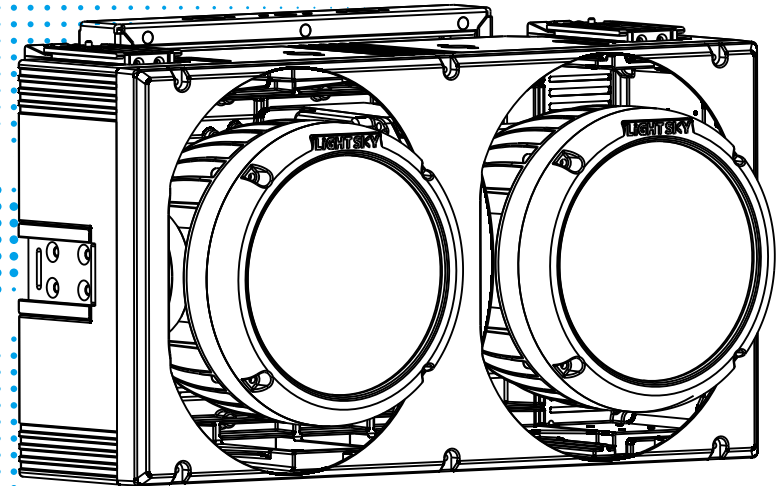


LIGHT SKY

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SEA LION User Manual

Please read the instruction carefully before use

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Congratulations on choosing our company product! We thank you for your custom.

- Please keep in mind that this product, like other products of the company, adheres to the concept of people-oriented design and manufacture, and takes product quality as the foundation.
- We put the interests of customers first, and do our best to meet customer requirements.
- Please read this instruction manual carefully and keep it for future reference. In the case of fully understanding the product information, strictly abide by theUse the instruction manual to ensure that the product is installed, used and serviced correctly and safely.
- Our company is not responsible for any damage to lamps or other performance due to personal failure to follow the instructions during installation, use and maintenance.responsibility.
- Our company reserves the right to modify the manual at any time and without prior notice.

1. Safety Instructions

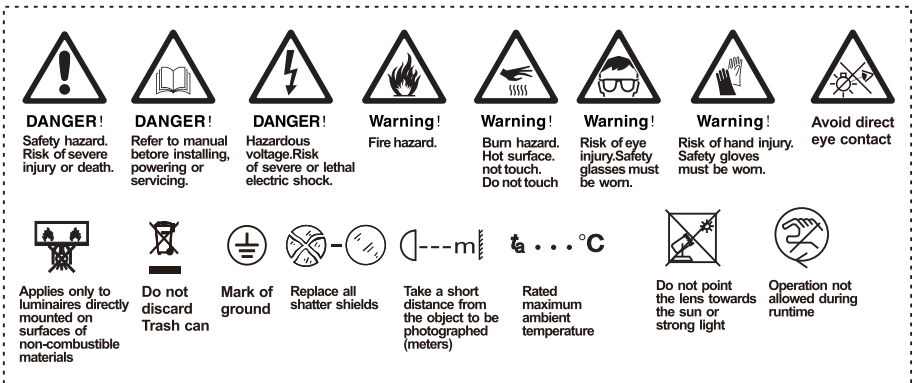


Please read the instruction carefully which includes important information about the installation, usage and maintenance.

WARNING

Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this manual.

The following symbols are used to identify important safety information on the product and in this manual:



Important:

Damages caused by the disregard of this user manual are not subject to warranty.

The dealer will not accept liability for any resulting defects or problems.

- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- Do install and operate by qualified operator.
- The light source in this luminaire should be replaced by the manufacturer or its service agent or a similarly qualified person, always cut off the power supply before replacing the light source.
- Do not allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.

- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: -20°C. Maximum ambient temperature TA: 45°C.
Do not operate this product at a lower or higher temperature.
- Do not connect the device to any dimmer pack.
- When the lamp is running, do not place combustible objects next to it. The shortest distance between the device and inflammable and explosive objects or materials is 1 m.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged.
- Unit's surface temperature may reach up to 65°C. Do not touch the housing bare-handed during its operation.
- Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut off the mains power immediately.
- Do not operate in a dirty or dusty environment. do clean the fixture regularly.
- Do not touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 3 meters.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- Do not open the housing as there are no user serviceable parts inside.
- Do not attempt to operate this unit if it becomes damaged. Do not attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.

- Disconnect this product from its power source before servicing.
- Do use the original packaging if the device is to be transported.
- Avoid direct eye exposure to the light source while the product is on.
- Do not operate this product if you see damage on the housing, shields, or cables.
Have the damaged parts replaced by an authorized technician at once.

INSTALL:

The luminaire must be securely fastened to the quick-lock hook with screws to prevent vibration or slipping during operation. The supporting structure must be able to withstand 6 times the weight of the luminaire. Additionally, a safety cable must be installed that can endure 30 free-fall drops from 300mm without failure. Installation should only be performed by qualified professionals, and the luminaire must be mounted in an area inaccessible to unauthorized personnel or away from pedestrian traffic.

2. Technical Specifications

OPTICS

- Light source: 2 × 120W RGBW LED+216 × 0.3W RGB LED
- Beam angle: 3.2 ° -29.1 ° (large angle is in electronic atomization state)
- Spot angle: 4.01 ° -74.83 ° (large angle is in electronic atomization state).
- Color rendering index: Ra ≥ 79.6
- Color temperature: 2500K-10000K
- Luminous flux: 1946 lm
- Illuminance: 20907 lx @ 5 m
- Average lifespan of light source: ≥20000h

EFFECT

- Color Mixing System: A uniform RGBW color mixing system, where each color can be individually controlled to achieve multiple effects.
- Intelligent atomization: Linear adjustment of atomization function to enhance color mixing effect.
- Front aperture: The front aperture can be controlled at a single point, allowing for free pursuit of flowing color changing effects.
- Y-axis: Electric shaking head ± 25 °
- Effect macros: static effect macros and dynamic effect macros functions.
- Dimming: Electronic dimming, providing four dimming curves.
- Strobe: 1-30Hz electronic strobe and random strobe.

CONTROL AND PROGRAMMING

- Control channels: 26CH (standard), 48CH (extended), see channel table for details
- Control Protocol: Standard DMX512 protocol, RDM protocol, Art-Net protocol, sACN protocol.
- Data Connection: 3-pin or 5-pin signal input/output, RJ45 Ethernet port input/output.
- Display: LCD screen

SOFTWARE

- Upgrade software through DMX signal interface and USB interface.
- Intelligent temperature control ensures LED lifespan.

POWER SUPPLY AND POWER

- Input voltage: AC 100-240V 50/60Hz
- Maximum power: 320W
- Power factor: greater than 0.98
- Maximum current of the lamp: 1.45A/220V; 3.2A/100V

DIMENSIONS & WEIGHT

- Product size: 438 × 265 × 242mm
- N.W.: 13.8 kg
- Carton packaging (Default): 510 × 320 × 380mm
- G.W.: 16.5 kg

OPTIONAL ACCESSORIES / PACKAGING

- Hook (with Logo): Code: C0499990075 (Suitable for pipes with a diameter of 40-60 mm)
- Hook (Neutral): Code: C0499990021 (Suitable for pipes with a diameter of 40-60 mm)
- Flycase Size(4 units): 960 × 700 × 465mm
- G.W.:89.0kg

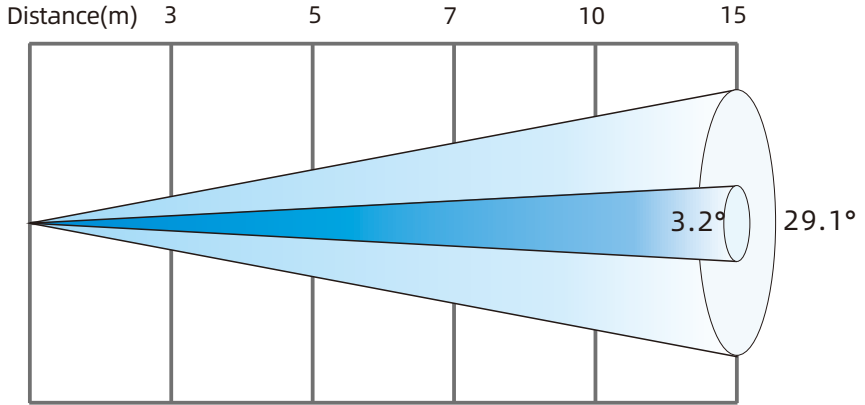
OTHER

- Protection level: Ip66
- Working environment: -20 °C 45 °C
- Maximum surface temperature of lamp body: 65 °C
- Utilizes the iM-Lock™ Mortise-Tenon Locking Connection Structure.

APPROVALST

- he product implementation standard: IEC 60598-1、IEC 60598-2-17
- Approved certifications: CE、RoHs
- The product complies with the following EU directives:
 - Low Voltage Directive 2014/35/EU.EMC Directive 2014/30/EU

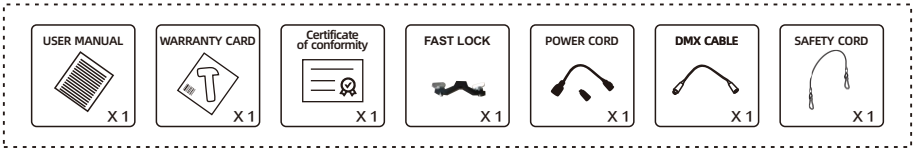
illumination diagram



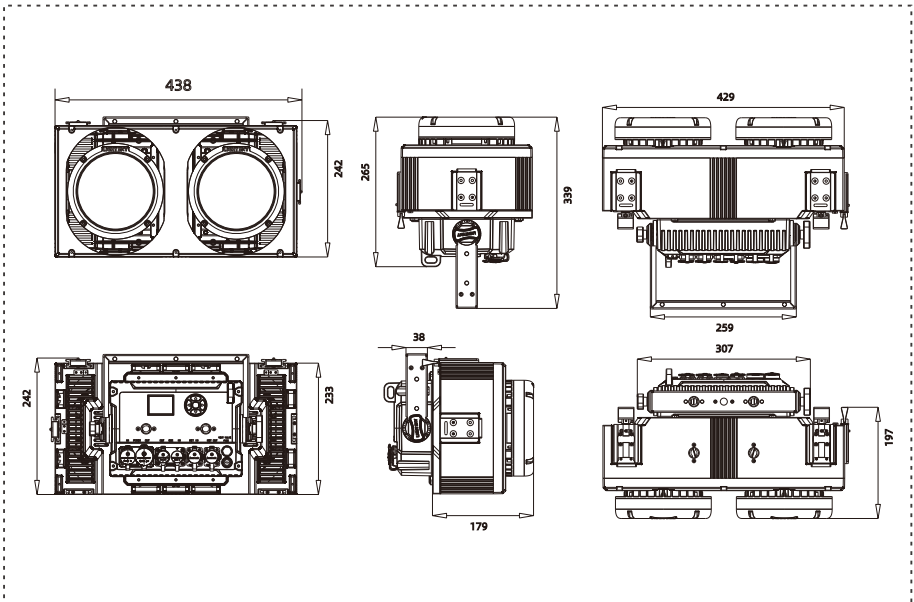
| | | | | | |
|-------------|-------|-------|-------|------|------|
| 3.2° Lux R | 9972 | 3590 | 1832 | 898 | 399 |
| 3.2° Lux G | 24778 | 8920 | 4551 | 2230 | 991 |
| 3.2° Lux B | 1975 | 711 | 363 | 178 | 79 |
| 3.2° Lux W | 32306 | 11630 | 5934 | 2908 | 1292 |
| 3.2°RGBW | 58075 | 20907 | 10667 | 5227 | 2323 |
| Diameter(m) | 0.17 | 0.28 | 0.4 | 0.56 | 0.84 |
| 29.1° Lux R | 63 | 22.5 | 11 | 6 | 3 |
| 29.1° Lux G | 125 | 45 | 23 | 11 | 5 |
| 29.1° Lux B | 18 | 6.4 | 3 | 2 | 1 |
| 29.1° Lux W | 186 | 67 | 34 | 17 | 7 |
| 29.1° RGBW | 317 | 114 | 58 | 29 | 13 |
| Diameter(m) | 1.56 | 2.6 | 3.65 | 5.2 | 7.8 |

2.1.Attachment And Size

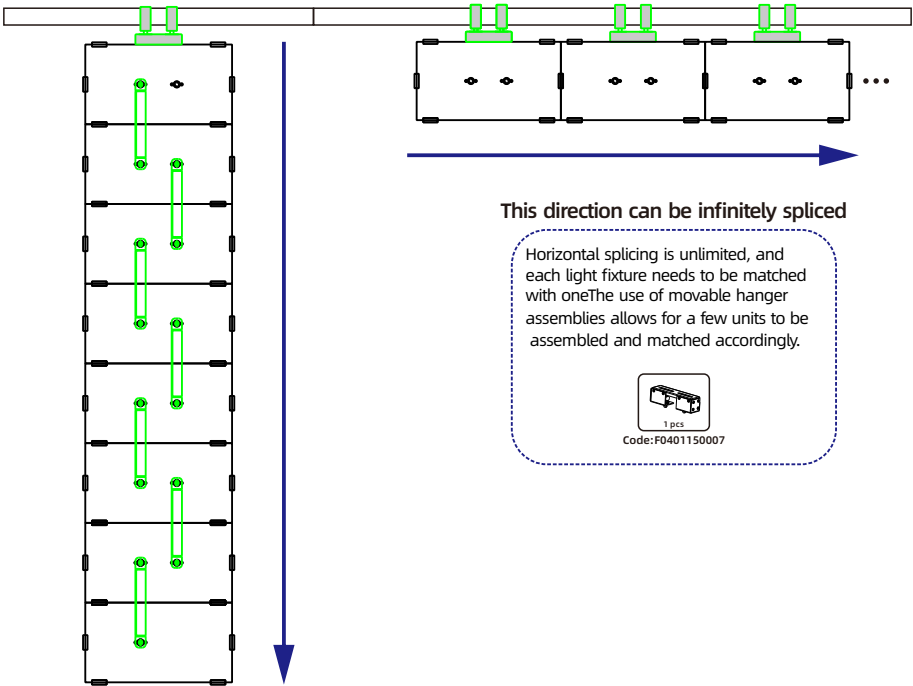
Attachment contents-Fig.1



Size-Fig.2 (Unit:mm)



Splicing Guide Diagram 1



This direction can be infinitely spliced

Horizontal splicing is unlimited, and each light fixture needs to be matched with one. The use of movable hanger assemblies allows for a few units to be assembled and matched accordingly.



1 pcs
Code: F0401150007

Up to 8 units can be spliced in this direction

Up to 8 units can be assembled for lifting and load-bearing, and 8 lighting fixtures need to be used in conjunction with 1 movable hanger assembly and 7 connecting bracket components B.

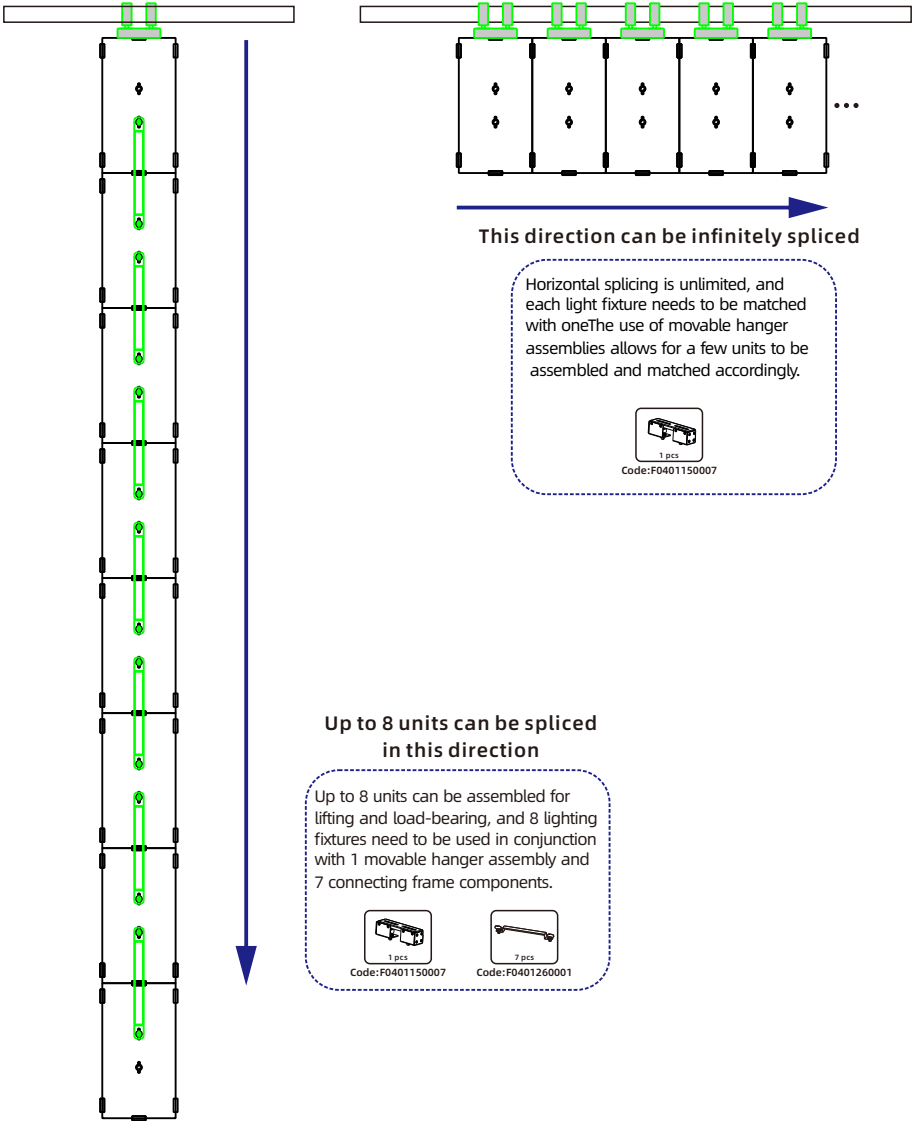


1 pcs
Code: F0401150007



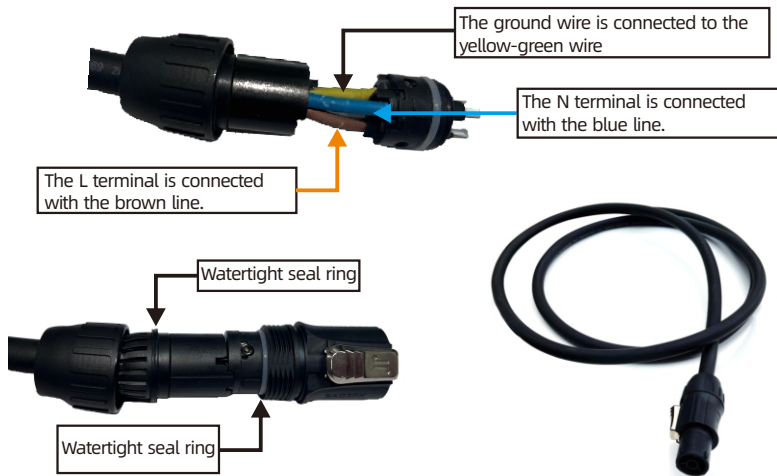
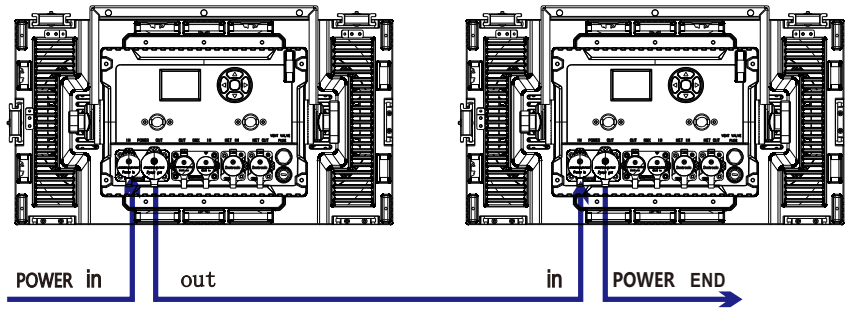
7 pcs
Code: F0401260002

Splicing Guide Diagram 2



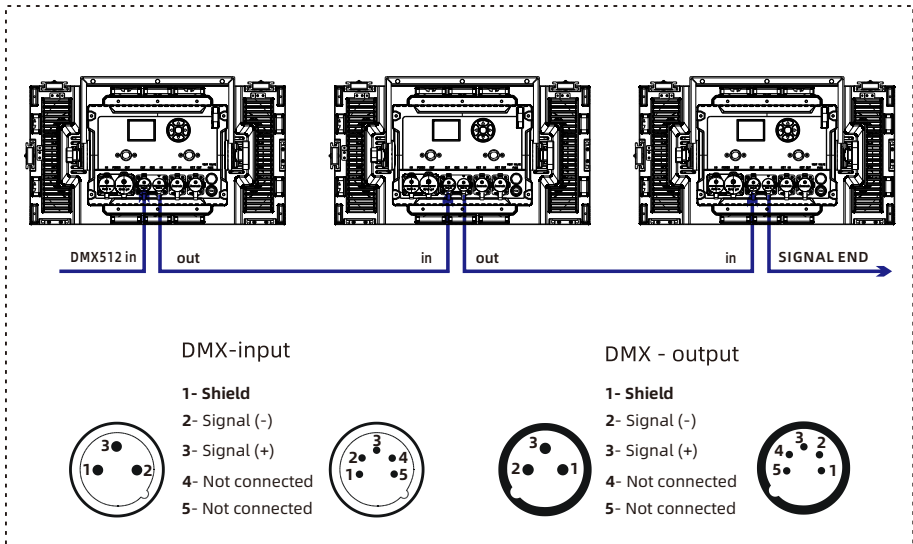
3.Connection and control

3.1.Power supply connection



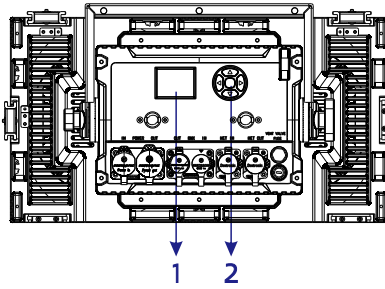
- The bus connecting the power supply must be installed by a qualified professional technician.
- After completing all the above operations and ensuring that it is installed, you can power on the lamp to operate.

3.2.DMX 512 Connection



1. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120Ω $1/4W$ resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
2. Connect the unit together in a “daisy chain” by XLR plug cable from the output of the unit to the input of the next unit. The cable cannot be branched or split to a “Y” cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
3. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units’ power is disconnected.
4. Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512.
5. The end of the DMX 512 system should be terminated to reduce signal errors.
6. 3 pin XLR connectors are more popular than 5 pins XLR. 3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
- 5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4, Pin5 not used.

3.3.Control Panel



1.Display: To show the various menus and the selected function.

2.Button:

| | |
|----|---------------------|
| OK | OK confirmation key |
| ▲ | UP |
| ▼ | DOWN |
| ◀ | To the left |
| ▶ | To the right |

4.How To Set The Unit

4.1.Main Function

The lamp is powered on. When the system initialization and lamp reset are completed, and the standby interface is displayed on the display screen, press OK to enter the preset menu interface. The main functions are as follows:

| Main menu | I menu | II menu | III menu | Note | |
|--------------------|---------------------------|-------------------------|------------------|---|--|
| DMX Setting | 1.Address | 1-512 | | | |
| | 2.Channel | 26CH (Default)/48CH | | | |
| | 3.State | Black (Default) Hold | | | |
| | 4.InputMode | DMX ARTNET SACN | | This menu can only be displayed when the Art-Net module is connected. | |
| | 5.DMXAddressLock | OFF / ON (Default) | | | |
| Information | 1.Time | 1.Total Power Time *** | | | |
| | | 2.Power Time *** | | | |
| | | 3.Total Light Time *** | | | |
| | | 4.Light time *** | | | |
| | 2.Temperature | 1.Head1 Temp xx°C | | | |
| | | 2.Head2 Temp xx°C | | | |
| | | 3.Base Temp xx°C | | | |
| | 3.Historical Temp records | 1.Temp records of Head1 | | 1.Temp Max. xx°C Clear/Retain 2.Temp Min. xx°C Clear/Retain | |
| | | 2.Temp records of Head2 | | 1.Temp Max. xx°C Clear/Retain 2.Temp Min. xx°C Clear/Retain | |
| | | 3.Temp records of Base | | 1.Temp Max. xx°C Clear/Retain 2.Temp Min. xx°C Clear/Retain | |
| | 4.Fan Information | 1.Lamp1FanVol *** | | | |
| | | 2.Lamp1FanSp *** | | | |
| | | 3.Lamp2FanVol *** | | | |
| | | 4.Lamp2FanSp *** | | | |
| | | 5.BaseFanVol *** | | | |
| 6.BaseFanSp *** | | | | | |
| 5.Fixture Status | 1.MCU(Motor) *** | | | | |
| | 2.MCU(LED) *** | | | | |
| | 3.LeftSwing *** | | | | |
| | 4.RightSwing *** | | | | |
| | 5.Lamp1Fan *** | | | | |
| | 6.Lamp2Fan *** | | | | |
| | 7.BaseFan *** | | | | |
| | 8.Head1 Temp *** | | | | |
| | 9.Head2 Temp *** | | | | |
| | 10.Base Temp *** | | | | |
| 6.RDM UID | 3888 : xxxxxxxx | | | | |
| 7.DMX Live | DMX | | | | |
| 8.Software | 1.Display Ver. Vxxx | | | | |
| | 2.Motor Ver. Vxxx | | | | |
| | 3.LED Ver. Vxxx | | | | |
| | 4.ETH Ver. Vxxx | | | Displayed only when an Art-Net module is present. | |
| Personality | 1.Dimmer&Fan Setting | 1.Dimmer Freq. | 1800Hz | | |
| | | | 3600Hz (Default) | | |
| | | | 7200Hz | | |
| | | | 25000Hz | | |
| | 2.Dimmer Curve | Linear (Default) | | | |
| | | Square | | | |
| | | 1-Square | | | |
| | 3.Dimmer Speed | 5-Curve | | | |
| Normal (Default) | | | | | |
| Smooth 1 | | | | | |
| Smooth 2 | | | | | |
| 4.Fan Mode | Smooth 3 | | | | |
| | HighOutput | | | | |
| | Standart (Default) | | | | |
| 2.Lamp No. Setting | 1.Lamp No. Invert | Silent | | | |
| | | OFF (Default)/ ON | | | |

| Main menu | I menu | II menu | III menu | Note | |
|----------------|--------------------|-------------------------|----------------------------|---|--|
| | 3.SWING Setting | 1.L_Swing Invert | OFF (Default)/ ON | This menu can only be displayed when the Art-Net module is connected. | |
| | | 2.R_Swing Invert | OFF (Default)/ ON | | |
| | | 3.Tilt Rectify | OFF / ON (Default) | | |
| | | 4.Tilt Mode | Normal(Default) Fast | | |
| | 4.Display Setting | 1.Language | EN(Default) /ZH | | |
| | | 2.Dis. Backlight | OFF (Default)/ ON | | |
| | | 3.Dis. Direction | Forward (Default)/ Reverse | | |
| | | 4.Dis.Blink | OFF / ON (Default) | | |
| | 5.Ethernet Setting | 1.IP Address | ***.***.***.*** | | |
| | | 2.Mask Address | ***.***.***.*** | | |
| | | 3.Universe Address | 0-32767 | | |
| | | 4.sACN Universe Address | 1-63999 | | |
| | | 5.DHCP | OFF / ON | | |
| | | 6.Ethernet To DMX | OFF / ON | | |
| Manual | 1.Channel | 1.*** ** | | | |
| | 2.Reset | 1.L_Swing | | | |
| | | 2.R_Swing | | | |
| 3.All | | | | | |
| Service | 1.Calibrate | 1.LeftSwing *** | | | |
| | | 2.RightSwing *** | | | |
| | | 3.LeftFrost *** | | | |
| | | 4.RightFrost *** | | | |
| | | 5.L.Red *** | | | |
| | | 6.L.Green *** | | | |
| | | 7.L.Blue *** | | | |
| | | 8.L.WHITE *** | | | |
| | | 9.R.Red *** | | | |
| | | 10.R.Green *** | | | |
| | | 11.R.Blue *** | | | |
| | | 12.R.WHITE *** | | | |
| | | 13.L.RINGRed *** | | | |
| | | 14.L.RINGGreen *** | | | |
| | | 15.L.RINGBlue *** | | | |
| | | 16.R.RINGRed *** | | | |
| | | 17.R.RINGGreen *** | | | |
| | | 18.R.RINGBlue *** | | | |
| | 2.Factory Reset | NO / YES | | | |
| | 3.Reset Timers | 1.Total Power Time | NO / YES | | |
| | | 2.Total Light Time | NO / YES | | |
| | 4.Developer | 1.Power Time | NO / YES | | |
| | | 2.Light Time | NO / YES | | |
| | 5.Firmware update | | | | |
| | Language | | | | |
| Test | 1.Test Lamp1 | Running:Step*/* | | | |
| | 2.Test Lamp2 | Running:Step*/* | | | |
| | 3.Test All | Running:Step*/* | | | |
| Display Rotate | | | | | |

4.2.Address Setting

Enter MENU, select the DMX setting function, select the address code setting, press the OK button to confirm, the current DMX address will be displayed on the display. Use the up/down buttons to select addresses 001~512, and press the OK button to save. Press the OK button to return to the previous menu.

Please refer to the following diagram to address your DMX512 channel for the first 4 units.

| Channel mode | Unit 1 Address | Unit 2 Address | Unit 3 Address | Unit 4 Address |
|--------------|----------------|----------------|----------------|----------------|
| 26 CH | 1 | 27 | 53 | 79 |
| 48 CH | 1 | 49 | 97 | 145 |

4.3.DMX 512 Configuration

| 26 Channel | DMX | Function | NOTE |
|------------|--|---|------|
| 1 | 0-9 10-255 | Swing Cross No function-Swing Cross OFF Swing Cross ON | |
| 2 | 0-255 | Swing | |
| 3 | 0-255 | Swing Fine | |
| 4 | 0-255 | Frost | |
| 5 | 0-255 | Dimmer | |
| 6 | 0-255 | Dimmer Fine | |
| 7 | 0-9 10-49 50-89 90-119 120-179 180-249 250-255 | Strobe Strobe open Slow closing , Fast opening , slow → fast Fast closing , Slow opening , Slow → Fast Slow closing , Slow open , Slow → Fast Random strobe,Slow → Fast Synchronous strobe,slow → fast Strobe open | |
| 8 | 0-4 5-192 193-202 203-212 213-222 223-232 233-242 243-252 253-255 | EffectMacro No function LEE COLOR 1-187(1 dmx for every scene) Color Effect Color wheel change speed from fast to slow Color wheel change speed from fast to slow Color wheel change speed from fast to slow Color wheel change speed from fast to slow Rainbow color speed from slow to fast Rainbow color speed from slow to fast Rainbow color speed from slow to fast | |
| 9 | 0-2 3 20 37 54 80 87 104 121 138 151 158 171 188 204 211 221 232 238 248 255 | CCT No function 10000K 9500K 9000K 8500K 8000K 7500K 7000K 6500K 6000K 5600K 5400K 5000K 4500K 4000K 3800K 3500K 3200K 3000K 2700K 2500K | |
| 10 | 0-4 5-255 | Halogen No function Open | |
| 11 | 0-255 | Red | |
| 12 | 0-255 | Green | |
| 13 | 0-255 | Blue | |

| 26 Channel | DMX | Function | NOTE |
|------------|---------------------------------------|---|------|
| 14 | 0-255 | White | |
| 15 | 0-255 | RingDimmer | |
| 16 | 0-9 | RingStrobe Strobe open | |
| | 10-49 | Slow closing , Fast opening , slow → fast | |
| | 50-89 | Fast closing , Slow opening , Slow → Fast | |
| | 90-119 | Slow closing , Slow open , Slow → Fast | |
| | 120-179 | Random strobe,Slow → Fast | |
| | 180-249 | Synchronous strobe,slow → fast | |
| | 250-255 | Strobe open | |
| 17 | 0-2 | RingEffectMacro No function | |
| | 3-178 | Color Color Effect | |
| | 179 | SHI Color 1 | |
| | 180 | SHI Color 2 | |
| | 181 | SHI Color 3 | |
| | 182 | SHI Color 4 | |
| | 183-192 | Color wheel change speed from fast to slow | |
| | 193-202 | Color wheel change speed from fast to slow | |
| | 203-212 | Color wheel change speed from fast to slow | |
| | 213-222 | Color wheel change speed from fast to slow | |
| | 223-232 | Color wheel change speed from fast to slow | |
| | 233-242 | Rainbow color speed from slow to fast | |
| | 243-252 | Rainbow color speed from slow to fast | |
| 253-255 | Rainbow color speed from slow to fast | | |
| 18 | 0-255 | RingRed | |
| 19 | 0-255 | RingGreen | |
| 20 | 0-255 | RingBlue | |
| 21 | 0-9 | RingStaticEffect No function | |
| | 10-165 | Static Scene1 -156(1 dmx for every scene) | |
| | 166-255 | Single (1-90) | |
| 22 | 0-9 | RingMoveEffect No function | |
| | 10-195 | Dynamic scene 1-62(3 dmx for every scene) | |
| | 196-255 | Random scene | |
| 23 | 0-126 | RingEffectSpeed CW fast to slow | |
| | 127-128 | Stop | |
| | 129-255 | CCW slow to fast | |
| 24 | 0-255 | RingEffectDelay LED effect delay from fast to slow | |
| | | | |
| 25 | 0-9 | AutoRiv No function | |
| | 10-19 | Test SWing Module fast → slow | |
| | 20-29 | Test Head Module fast → slow | |
| | 30-39 | Test All port1 fast → slow | |
| | 40-49 | Test All port2 fast → slow | |
| | | Test All port3 | |
| | 50-59 | fast → slow | |

| 26 Channel | DMX | Function | NOTE |
|------------|---------|-------------------------------|------|
| | 60-69 | Test R&B port4 fast → slow | |
| | 70-79 | Test R&W port5 fast → slow | |
| | 80-89 | Test R&Y port6 fast → slow | |
| | 90-99 | Test R&G port7 fast → slow | |
| | 100-255 | No function | |
| | | Function(Hold 3s) | |
| | 0-10 | No function | |
| | 11-20 | Reset Left Swing | |
| | 21-30 | Reset Right Swing | |
| | 31-40 | Reset All | |
| | 41-45 | No function | |
| | 46-50 | Tilt Mode Standard | |
| | 51-55 | Tilt Mode Fast | |
| | 56-60 | No function | |
| | 61-65 | Lamp No. invert off | |
| | 66-70 | Lamp No. invert on | |
| | 71-80 | No function | |
| | 81-90 | Left Swing invert off | |
| | 91-100 | Left Swing invert on | |
| | 101-110 | Right Swing invert off | |
| | 111-120 | Right Swing invert on | |
| | 121-130 | No function | |
| | 131-135 | Fan HighOutput mode | |
| | 136-140 | Fan Standard mode | |
| | 141-145 | Fan Silent mode | |
| | 146-150 | No function | |
| | 151-160 | Dis.Blink off | |
| | 161-170 | Dis.Blink on | |
| | 171-180 | No function | |
| | 181-185 | LED frequency 1.8kHz | |
| | 186-190 | LED frequency 3.6kHz | |
| | 191-195 | LED frequency 7.2kHz | |
| | 196-200 | LED frequency 25kHz | |
| | 201-205 | No function | |
| | 206-210 | Dimmer curve linear | |
| | 211-215 | Dimmer curve square | |
| | 216-220 | Dimmer curve inv-square | |
| | 221-225 | Dimmer curve "S" | |
| | 226-230 | No function | |
| | 231-235 | Normal | |
| | 236-240 | Dimmer Speed 1 | |
| | 241-245 | Dimmer Speed 2 | |
| | 246-250 | Dimmer Speed 3 | |
| | 251-255 | Ring Effect Macro invert | |

26

| 48 Channel | DMX | Function | NOTE |
|------------|---------------------------------------|--|------|
| 1 | 0-255 | L.Swing | |
| 2 | 0-255 | L.Swing Fine | |
| 3 | 0-255 | L.Frost | |
| 4 | 0-255 | L.Dimmer | |
| 5 | 0-255 | L.Dimmer Fine | |
| 6 | 0-9 | L.Strobe | |
| | 10-49 | Strobe open | |
| | 50-89 | Slow closing , Fast opening , slow → fast | |
| | 90-119 | Fast closing , Slow opening , Slow → Fast | |
| | 120-179 | Slow closing , Slow open , Slow → Fast | |
| | 180-249 | Random strobe,Slow → Fast | |
| | 250-255 | Synchronous strobe,slow → fast | |
| | | Strobe open | |
| 7 | 0-4 | L.EffectMacro | |
| | 5-192 | No function | |
| | | LEE COLOR 1-187(1 dmx for every scene) | |
| | | Color Effect | |
| | 193-202 | Color wheel change speed from fast to slow | |
| | 203-212 | Color wheel change speed from fast to slow | |
| | 213-222 | Color wheel change speed from fast to slow | |
| | 223-232 | Color wheel change speed from fast to slow | |
| 233-242 | Rainbow color speed from slow to fast | | |
| | 243-252 | Rainbow color speed from slow to fast | |
| | 253-255 | Rainbow color speed from slow to fast | |
| 8 | 0-2 | L.CCT | |
| | 3 | No function | |
| | 20 | 10000K | |
| | 37 | 9500K | |
| | 54 | 9000K | |
| | 80 | 8500K | |
| | 87 | 8000K | |
| | 104 | 7500K | |
| | 121 | 7000K | |
| | 138 | 6500K | |
| | 151 | 6000K | |
| | 158 | 5600K | |
| | 171 | 5400K | |
| | 188 | 5000K | |
| | 204 | 4500K | |
| | 211 | 4000K | |
| | 221 | 3800K | |
| 232 | 3500K | | |
| 238 | 3200K | | |
| 248 | 3000K | | |
| 255 | 2700K | | |
| | | 2500K | |
| 9 | 0-4 | L.Halogen | |
| | 5-255 | No function | |
| | | Open | |
| 10 | 0-255 | L.Red | |
| 11 | 0-255 | L.Green | |
| 12 | 0-255 | L.Blue | |
| 13 | 0-255 | L.White | |
| 14 | 0-255 | L.RingDimmer | |

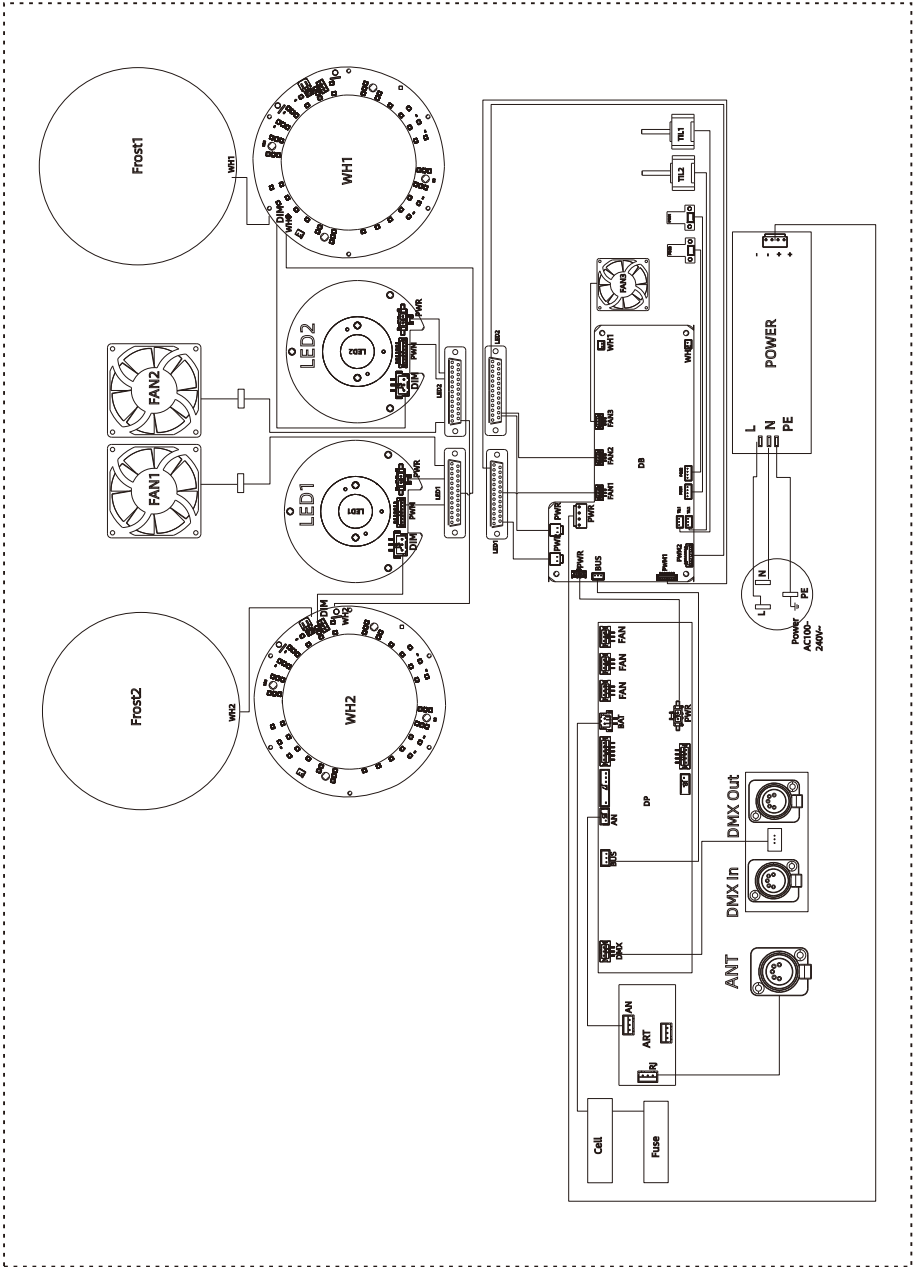
| 48 Channel | DMX | Function | NOTE |
|------------|---------|---|------|
| 15 | 0-9 | L.RingStrobe Strobe open | |
| | 10-49 | Slow closing , Fast opening , slow → fast | |
| | 50-89 | Fast closing , Slow opening , Slow → Fast | |
| | 90-119 | Slow closing , Slow open , Slow → Fast | |
| | 120-179 | Random strobe,Slow → Fast | |
| | 180-249 | Synchronous strobe,slow → fast | |
| | 250-255 | Strobe open | |
| 16 | 0-2 | L.RingEffectMacro No function | |
| | 3-178 | Color Color Effect | |
| | 179 | SHI Color 1 | |
| | 180 | SHI Color 2 | |
| | 181 | SHI Color 3 | |
| | 182 | SHI Color 4 | |
| | 183-192 | Color wheel change speed from fast to slow | |
| | 193-202 | Color wheel change speed from fast to slow | |
| | 203-212 | Color wheel change speed from fast to slow | |
| | 213-222 | Color wheel change speed from fast to slow | |
| | 223-232 | Color wheel change speed from fast to slow | |
| | 233-242 | Rainbow color speed from slow to fast | |
| | 243-252 | Rainbow color speed from slow to fast | |
| | 253-255 | Rainbow color speed from slow to fast | |
| 17 | 0-255 | L.RingRed | |
| 18 | 0-255 | L.RingGreen | |
| 19 | 0-255 | L.RingBlue | |
| 20 | 0-9 | L.RingStaticEffect No function | |
| | 10-165 | Static Scene1-156(1 dmx for every scene) | |
| | 166-255 | Single (1-90) | |
| 21 | 0-9 | L.RingMoveEffect No function | |
| | 10-195 | Dynamic scene 1-62(3 dmx for every scene) | |
| | 196-255 | Random scene | |
| 22 | 0-126 | L.RingEffectSpeed CW fast to slow | |
| | 127-128 | Stop | |
| | 129-255 | CCW slow to fast | |
| 23 | 0-255 | L.RingEffectDelay LED effect delay from fast to slow | |
| 24 | 0-255 | R.Swing | |
| 25 | 0-255 | R.Swing Fine | |
| 26 | 0-255 | R.Frost 0 to 100% | |
| 27 | 0-255 | R.Dimmer | |
| 28 | 0-255 | R.Dimmer Fine | |
| 29 | 0-9 | R.Strobe Strobe open | |
| | 10-49 | Slow closing , Fast opening , slow → fast | |
| | 50-89 | Fast closing , Slow opening , Slow → Fast | |
| | 90-119 | Slow closing , Slow open , Slow → Fast | |
| | 120-179 | Random strobe,Slow → Fast | |
| | 180-249 | Synchronous strobe,slow → fast | |
| | 250-255 | Strobe open | |

| 48 Channel | DMX | Function | NOTE |
|------------|---------|--|------|
| 30 | 0-4 | R.EffectMacro No function | |
| | 5-192 | LEE COLOR 1-187(1 dmx for every scene) Color Effect | |
| | 193-202 | Color wheel change speed from fast to slow | |
| | 203-212 | Color wheel change speed from fast to slow | |
| | 213-222 | Color wheel change speed from fast to slow | |
| | 223-232 | Color wheel change speed from fast to slow | |
| | 233-242 | Rainbow color speed from slow to fast | |
| | 243-252 | Rainbow color speed from slow to fast | |
| | 253-255 | Rainbow color speed from slow to fast | |
| 31 | 0-2 | R.CCT No function | |
| | 3 | 10000K | |
| | 20 | 9500K | |
| | 37 | 9000K | |
| | 54 | 8500K | |
| | 80 | 8000K | |
| | 87 | 7500K | |
| | 104 | 7000K | |
| | 121 | 6500K | |
| | 138 | 6000K | |
| | 151 | 5600K | |
| | 158 | 5400K | |
| | 171 | 5000K | |
| | 188 | 4500K | |
| | 204 | 4000K | |
| | 211 | 3800K | |
| | 221 | 3500K | |
| | 232 | 3200K | |
| 238 | 3000K | | |
| 248 | 2700K | | |
| 255 | 2500K | | |
| 32 | 0-4 | R.Halogen No function | |
| | 5-255 | Open | |
| 33 | 0-255 | R.Red | |
| 34 | 0-255 | R.Green | |
| 35 | 0-255 | R.Blue | |
| 36 | 0-255 | R.White | |
| 37 | 0-255 | R.RingDimmer | |
| 38 | 0-9 | R.RingStrobe Strobe open | |
| | 10-49 | Slow closing , Fast opening , slow → fast | |
| | 50-89 | Fast closing , Slow opening , Slow → Fast | |
| | 90-119 | Slow closing , Slow open , Slow → Fast | |
| | 120-179 | Random strobe,Slow → Fast | |
| | 180-249 | Synchronous strobe,slow → fast | |
| | 250-255 | Strobe open | |
| | 0-2 | R.RingEffectMacro No function | |
| | 3-178 | Color Color Effect | |
| | 179 | SHI Color 1 | |
| | 180 | SHI Color 2 | |

| 48 Channel | DMX | Function | NOTE |
|------------|---------------------------------------|---|------|
| 39 | 181 | SHI Color 3 | |
| | 182 | SHI Color 4 | |
| | 183-192 | Color wheel change speed from fast to slow | |
| | 193-202 | Color wheel change speed from fast to slow | |
| | 203-212 | Color wheel change speed from fast to slow | |
| | 213-222 | Color wheel change speed from fast to slow | |
| | 223-232 | Color wheel change speed from fast to slow | |
| | 233-242 | Rainbow color speed from slow to fast | |
| | 243-252 | Rainbow color speed from slow to fast | |
| 253-255 | Rainbow color speed from slow to fast | | |
| 40 | 0-255 | R.RingRed | |
| 41 | 0-255 | R.RingGreen | |
| 42 | 0-255 | R.RingBlue | |
| 43 | 0-9 | R.RingStaticEffect No function | |
| | 10-165 | Static Scene1-156(1 dmx for every scene) | |
| | 166-255 | Single (1-90) | |
| 44 | 0-9 | R.RingMoveEffect No function | |
| | 10-195 | Dynamic scene 1-62(3 dmx for every scene) | |
| | 196-255 | Random scene | |
| 45 | 0-126 | R.RingEffectSpeed CW fast to slow | |
| | 127-128 | Stop | |
| | 129-255 | CCW slow to fast | |
| 46 | 0-255 | R.RingEffectDelay LED effect delay from fast to slow | |
| 47 | 0-9 | AutoRiv No function | |
| | 10-19 | Test SWing Module fast → slow | |
| | 20-29 | Test Head Module fast → slow | |
| | 30-39 | Test All port1 fast → slow | |
| | 40-49 | Test All port2 fast → slow | |
| | 50-59 | Test All port3 fast → slow | |
| | 60-69 | Test R&B port4 fast → slow | |
| | 70-79 | Test R&W port5 fast → slow | |
| | 80-89 | Test R&Y port6 fast → slow | |
| | 90-99 | Test R&G port7 fast → slow | |
| | 100-255 | No function | |
| | 0-10 | Function(Hold 3s) No function | |
| | 11-20 | Reset Left Swing | |
| | 21-30 | Reset Right Swing | |
| | 31-40 | Reset All | |

| 48 Channel | DMX | Function | NOTE |
|------------|--------------------------|-------------------------|------|
| 48 | 41-45 | No function | |
| | 46-50 | Tilt Mode Standard | |
| | 51-55 | Tilt Mode Fast | |
| | 56-60 | No function | |
| | 61-65 | Lamp No. invert off | |
| | 66-70 | Lamp No. invert on | |
| | 71-80 | No function | |
| | 81-90 | Left Swing invert off | |
| | 91-100 | Left Swing invert on | |
| | 101-110 | Right Swing invert off | |
| | 111-120 | Right Swing invert on | |
| | 121-130 | No function | |
| | 131-135 | Fan HighOutput mode | |
| | 136-140 | Fan Standard mode | |
| | 141-145 | Fan Silent mode | |
| | 146-150 | No function | |
| | 151-160 | Dis.Blink off | |
| | 161-170 | Dis.Blink on | |
| | 171-180 | No function | |
| | 181-185 | LED frequency 1.8kHz | |
| | 186-190 | LED frequency 3.6kHz | |
| | 191-195 | LED frequency 7.2kHz | |
| | 196-200 | LED frequency 25kHz | |
| | 201-205 | No function | |
| | 206-210 | Dimmer curve linear | |
| | 211-215 | Dimmer curve square | |
| | 216-220 | Dimmer curve inv-square | |
| | 221-225 | Dimmer curve "S" | |
| | 226-230 | No function | |
| | 231-235 | Normal | |
| | 236-240 | Dimmer Speed 1 | |
| | 241-245 | Dimmer Speed 2 | |
| 246-250 | Dimmer Speed 3 | | |
| 251-255 | Ring Effect Macro invert | | |

5. Electrical Connection Diagram



6. Troubleshooting

The following are common faults of lighting fixtures and corresponding solutions. Malfunctions that cannot be repaired by oneself should be handled by personnel with professional qualifications. Before maintaining the lamp, please disconnect the power supply first.

■ LED off:

- Please check if install the suitable voltage
- Please check whether the led will reach the end of their life can explode; please replace a same description led.
- Please check if the power supply is enough.
- Please check whether the DMX 512 controller pass the "turn on" order.

■ The light couldn't accept the control order:

- Please check the start code address and the function option are correct.
- Please check whether the communicate control cable is on good connection or the cable is too long or interrupt.
- Please check the control system is not valid, check the signal amplifier of chain connected is valid.
- Please check whether the communicate cable is too long or the other equipment is mutually conjugate.
- Please arrange the wire well, shorter the signal cable, put the high voltage cable and low voltage cable separately.
- Add the signal amplify isolator.
- Signal cable is used the excellent screening doublet (Resistance 75 Ω)
- The end of the light end and the end resistance.

■ The light can't move:

- Please check if the power supply is suitable for the light voltage data.
- Please check the light if they are deformation, inside parts is broken, become wet etc will lead the loose contact.
- Please check the if the inside lead wire and the connector is loose.
- Please check the electric parts(such as the transformer,PCB board,controller) is short-circuit or burn down.

7. Fixture Cleaning

It is absolutely essential that the fixture is kept clean to ensure the maximum light-output and allow the fixture to function reliably throughout its life. The fixture must be cleaned regularly to avoid dust, dirt and smoke-fluid residues building up on or within the fixture. The cleaning frequency depends on the application environment. Clean the fixture immediately if the dust enters it to avoid damage to the optical lens due to excessive dust.

- A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used.
- Always dry the parts carefully.
- Clean the external optical lens at least every 20 days .

CAUTION ! ! !

Disconnect from mains before starting maintenance operation.

8. Duty exonerative and copyright protection

- Light source belongs to consumption products, not within the scope of warranty.
- The manufacturer shall not bear any responsibility for any damage caused by failure to operate in accordance with this instruction.
- The manufacturer reserves the right of final interpretation for all information in this manual. For any questions, please refer to the official website.
- All the information in this manual shall not be copied without permission.
- The data contained in this statement are subject to change in the future without prior notice.