

X-3GT

USER MANUAL

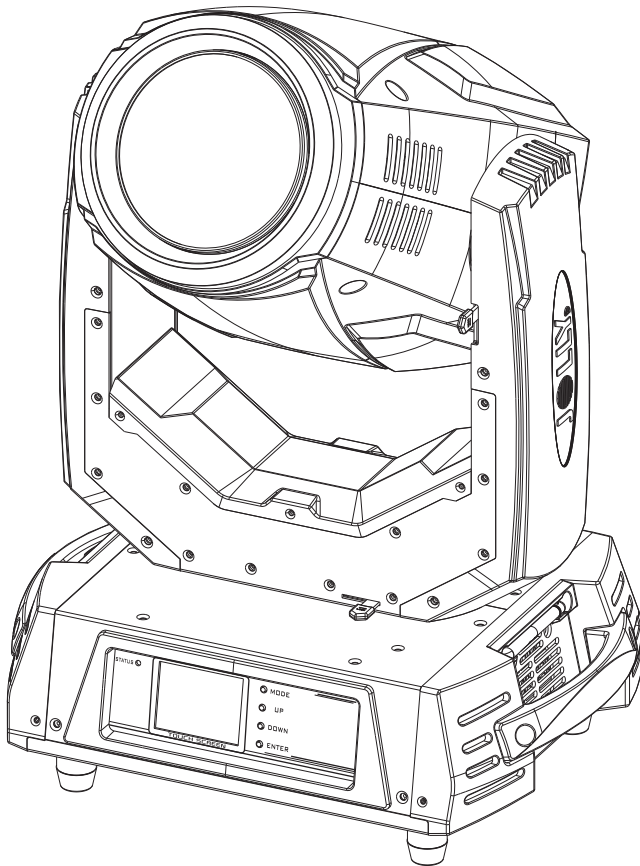


Table of content

| | |
|---|----|
| 1.Open–Package guidelines..... | 1 |
| 1 . 1 Package..... | 1 |
| 2.Safety instructions..... | 1 |
| 3.Operating determination..... | 3 |
| 4.Rigging the fixture..... | 4 |
| 4.1 Mounting..... | 4 |
| 4.2Installing the Clamps..... | 4 |
| 4.3 Power supply connection and cut off..... | 6 |
| 4.4 Power Connection..... | 6 |
| 4.5 DMX–512 connection/connection between fixtures..... | 6 |
| 5.Description of the device..... | 7 |
| 6.Dimension..... | 8 |
| 7.Display control..... | 9 |
| 7.1 Navigation in the Menu..... | 9 |
| 7.2 Display Operation..... | 9 |
| 7.3 Menu Maps..... | 11 |
| 8.DMX protocol..... | 12 |
| 9.Maintance and cleaning..... | 16 |
| 10.Electric equipment specification..... | 16 |
| 10.1 Electrical paramters..... | 16 |
| 10.2 Weight and dimensions..... | 16 |
| 10.3 Channel Characteristics..... | 16 |
| 10.4 Menu Function..... | 17 |
| 10.5 light table..... | 17 |
| 10.6 Color wheel..... | 18 |
| 10.7 Gobo wheel..... | 18 |
| 11.Electronic drawing..... | 20 |

Congratulations on choosing our products! Please carefully read this instruction manual in its entirety and keep it well for using reference. This manual contained about the installation and the relative using information of this products. Please refer to this manual's relative instruction when using this equipment.

1.Open–Package guidelines

This equipment is made of new style,high intensity plastic.It fully shows the modem times light charac teris- tic with teristic with beauty struture. And it is made accord to CE standard. Fully agree with the internation standard of DMX512 agreement.

When receive the product,please be careful to take and put,check if the product has damage or not be- cause of transportation, and check the following parts:

- | | |
|--------------------|---------------------|
| 1.Signal cable-1PC | 2.Safaty cable-1PC |
| 3.User Manval-1PC | 4.Omega holder-2PCS |
| 5.Power cable-1PC | 5.Service card-1PC |

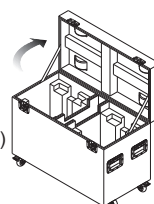
1.1 Package

Unpacking the fixture

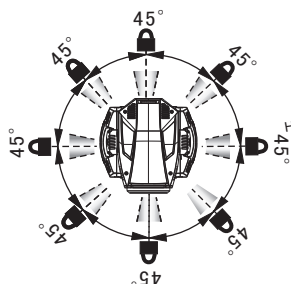
- 1.Open the flight case cover- Fig.1
- 2.With one person on each side, lift the fixture out of the flight case.
- 3.Unlock pan and tilt before operating fixture.

Packing the fixture

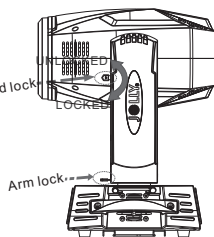
- 1.Disconnect the fixture from power and allow it to cool.
- 2.lock arms and head as figure.- Fig.2(PAN Mechanism Lock and Release (every 45°) - Fig.2-1)(Tilt Mechanism Lock and Release (every 45°) - Fig.2-2)
- 3.Place the fix ture in the bottom of the flight case, and cover the case without forcing.



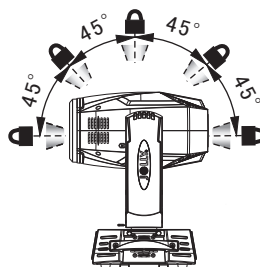
Aviation box Fig.1



PAN Mechanism Lock Fig.2-1



Level vertical transportation lock Fig.2



Tilt Mechanism Lock Fig.2-2

2.Safety instructions

Every person involvd with installation and maintenance of this device to:

- Be qualified
- Follow the instructions of this manual.

CAUTION!

*Be careful with your operations.
With a high voltage you can suffer
a dangerous electric shock when touching the wires!*

This device has been shipped with our premises in absolutely perfect condition.In order to maintain this co- ndition and toensure a safe operation,it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.







Important:

- The manufacturer will not accept liability for any resulting damages caused by the nonobservance of this manual or any unauthorized modification to the device.
- Please consider that damages caused by manual modifications to the device are not subject to warranty.

- Never let the power-cord come into contact with other cables! Handle the power cord and all connections with particular caution!
- Make sure that the available voltage is not higher than stated on the rearpanel.
- Always plug in the power plug least. Make sure that the power-switch is set to off-position before you connect with themains with particular caution!
- Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.
- Always disconnect from the mains, when the device is not in use or before cleaning it.
- Only handle the power-cord by the plug, Never pull out the plug by tugging the powercord.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- The electric connection, repairs and servicing must be carried out by a qualified employee.
- Do not connect this device to a dimmer pack.
- Do not switch the fixture on and off in short intervals as this would reduce the lamp's life.
- Do not touch the device's housing bare hands during its operation (housing becomes hot)!
- For replacement use lamps and fuses of same type and rating only.

Eye damage!

Avoid looking directly into the light source (meant especially for epileptics)!

- 
 ➤ Minimum distance of illuminated objects
 The projector needs to be positioned so that the objects hit by the beam of light are at least 12 metres from the lens of the projector.
- t_a 40°C ➤ Maximum ambient temperature
 Do not operate the fixture if the ambient temperature (T_a) exceeds 40°C (104°F).
- t_c 90°C ➤ Temperature of the external surface
 The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 90°C (194°F).
- IP20 ➤ IP20 protection rating
 The fitting is protected against penetration by solid of over 12mm (0.47") in diameter (first digit 2), but not against dripping water, rain, splashes or jets of water (second digit 0).
-  ➤ Indoor use only
-  ➤ Not suitable for household illumination
-  ➤ Photobiological Safety
 CAUTION. Do not look directly at the light source. Do not look at the light beam with optical devices or any other tool that could cause light convergence.
 The fixture must be positioned so that the minimum distance between the front lens and human eye is at least 3 metres to prevent personal photobiological risks.
-  ➤ Mounting surfaces
 It is permissible to mount the fitting on normally flammable surfaces.
-  ➤ The products to which this manual refers comply with the European Directives pursuant to:
 - Safety of electrical equipment supplied at low voltage (LVD)
 EN 60598-1:2015
 EN 60598-2-17:1989+A2:1991
 - Electromagnetic Compatibility (EMC)
 EN 55015:2013/A1:2015
 EN 61000-3-2:2014
 EN 61000-3-3:2013
 EN 61547:2019
 - Restriction of the use of certain hazardous substances (RoHS)
 2011/65/EU



➤ **Protection against electrical shock**

Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1). It is, moreover, recommended to protect the supply lines of projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.



➤ **Disposing**

This product is supplied in compliance with European Directive 2012/19/EU-Waste Electrical and Electronic Equipment (WEEE). To preserve the environment please dispose/recycle this product at the end of its life according to the local regulation.



➤ **Battery**

This product contains a rechargeable lead-acid or lithium iron tetraphosphate battery. To preserve the environment, please dispose the battery at the end of its life according to the regulation in force.



➤ **Lamp**

The fitting mounts a high-pressure lamp that needs an external igniter. This igniter is fitted onto the apparatus. -Carefully read the "operating instructions" provided by the lamp manufacturer. -Immediately replace the lamp if damaged or deformed by heat.



➤ **Maintenance**

Before starting any maintenance work or cleaning the projector, cut off power from the mains supply. After switching off, do not remove any parts of the fitting for at least 20 minutes. After this time the likelihood of the lamp exploding is virtually small. If it is necessary to replace the lamp, wait for another 20 minutes to avoid getting burnt. The fitting is designed to hold in any splinters produced by a lamp exploding.



3. Operating determinations

- This device is a moving-head for creating decorative effects and was designed for indoor use only.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- Never run the device without lamp!
- Do not shake the device. Avoid brute force when installing or operating the device.
- Never lift the fixture by holding it at the projector head, as the mechanics may be damaged. Always hold the fixture at the transport handles.
- When choosing the installation-spot, please make sure that the device is not exposed to heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!
- The minimum distance between light output and the illuminated surface must be more than 0.2 meters.
- Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fixture.
- Always fix the fixture with an appropriate safety rope. Fix the safety rope at the correct holes only.
- Operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- The lamp must never be ignited if the objective-lens or any housing-cover is open, as discharge lamps may explode and emit a high ultraviolet radiation, which may cause burns.
- The maximum ambient temperature 40° C must never be exceeded.
- Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!
- Please use the original packaging if the device is to be transported.
- Please consider that unauthorized modifications on the device are forbidden due to safety reasons!
- If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, burns due to ultraviolet radiation, lamp explosion, crash etc.

4. Rigging the fixture

4.1 Mounting



Pay attention to the regulations of CE.

Installation by qualified staff to complete.

- ☞ For the various mounting positions of the FIXTURE (standing on the floor, sideways or hanging different accessories kits are available).
- ☞ Through this a safe and firm installation is assured.
- ☞ You'll find special connectors on the bottom side of the system which are put to use here.

4.2 Installing the Clamps

Please consider the respective national norms during the Installation! The installation must only be carried out by an authorized dealer!

The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall if the main attachment fails.

When servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.

The projector should be installed outside areas where persons may walk by or be seated.

Important! Overhead rigging requires extensive experience CE, including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property.

The projector has to be installed out of the reach of people.

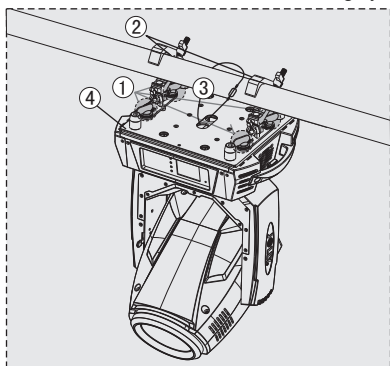
If the projector shall be lowered from the ceiling or high joists, professional trussing systems have to be used. The projector must never be fixed swinging freely in the room.

Caution Projectors may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do not install the projector!

Before rigging make sure that the installation area can hold a minimum point load of 10 times the projector's weight.

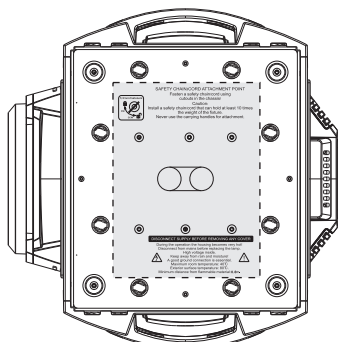
The projector can be placed directly on the stage floor or rigged in any orientation on a truss without altering its operation characteristics.

For overhead use, always install a safety-rope that can hold at least 10 times the weight of the fixture. You must only use safety-ropes with screw-on carabiners. Pull the safety-rope through the two apertures on the bottom of the base and over the trussing system etc.



Warning: it is necessary to make sure that the installation location is perfectly appropriate, and the installation location is safe and reliable.

- | | |
|---|----------------|
| ① | Lock catch |
| ② | omega holder |
| ③ | secure chain |
| ④ | mounting plate |

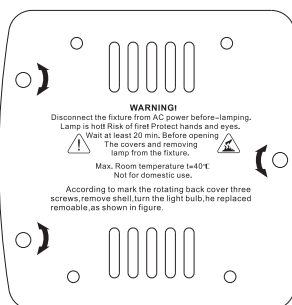
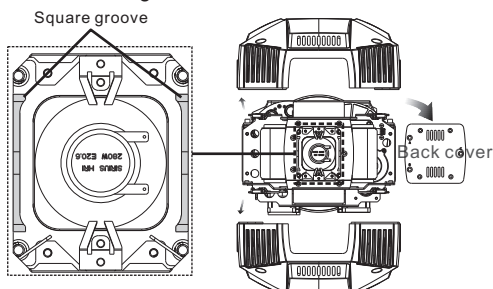


1/4 turn fasteners

SAFETY CHAIN/CORD ATTACHMENT POINT
 Fasten a safety chain/cord using cutouts in the chassis!
Caution:
 Install a safety chain/cord that can hold at least 10 times the weight of the fixture.
 Never use the carrying handles for attachment.

DISCONNECT SUPPLY BEFORE REMOVING ANY COVER
 During the operation the housing becomes very hot!
 Disconnect from mains before replacing the lamp.
 High voltage inside.
 Keep away from rain and moisture!
 A good ground connection is essential.

According to the three screws broke open the back cover back cover screen printing signs, reversing lamp can be removed for replacement. With "—" word screwdriver tools in the rectangular slot (grey area) strike on the edge of the lamp holder, can adjust the light bulb location. As shown in figure;

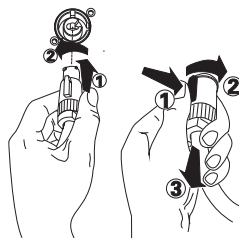


4.3 Power supply connection and cut off

Connect the light source to the main power source with the plug of the power cord, or cut off the power supply:

Connection: according to procedures, the power plug and socket is inserted into the groove one one alignment, rotation.

Cut off: according to procedures, press the button on the rotating plug, pull out.



4.4 Power Connection

If you wish to change the power supply settings, see the chapter appendix Connect the fixture to the mains with the enclosed power cable and plug.

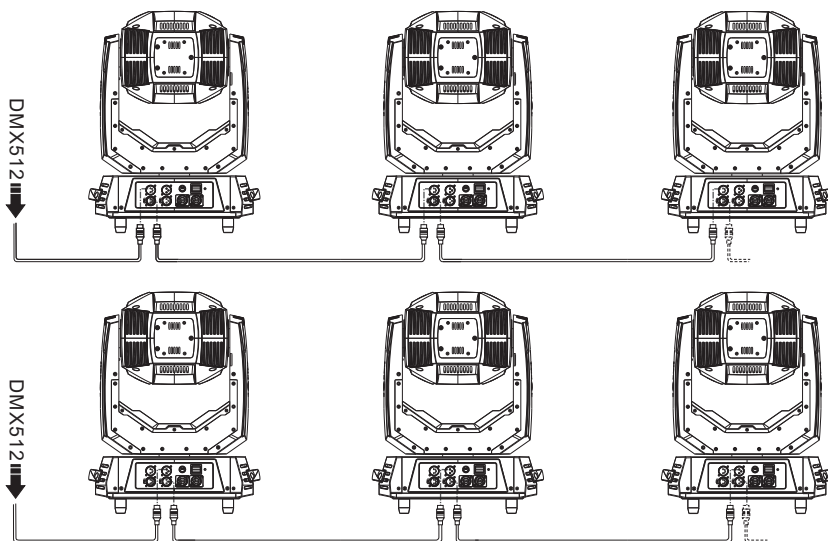
1. Can only link 3 pcs with 110V!
2. Can only link 5 pcs with 220V!

Warning: please verify the power of the power supply equipment prior to the connection! Earth wire must be grounded!

| CABLE(EU) | CABLE(US) | Pin | INTERNATIONAL |
|--------------|-----------|---------|---------------|
| Brown | Black | Live | L |
| Light blue | White | Neutral | N |
| Yellow/Green | Green | Earth | ⏏ |

4.5 DMX-512 connection/connection between fixtures

Only use stereo shielded cable and 3-pin XLR-plugs and connectors in order to connect.



Caution

At the last fixture, the DMX-cable has to be terminated with a terminator. solder a 120 resistor between signal(-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

DMX output
3-pin XLR socket



DMX input
3-pin XLR socket



1: Ground
2: Signal (-)
3: Signal (+)

DMX output
5-pin XLR socket



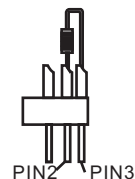
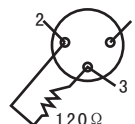
DMX input
5-pin XLR socket



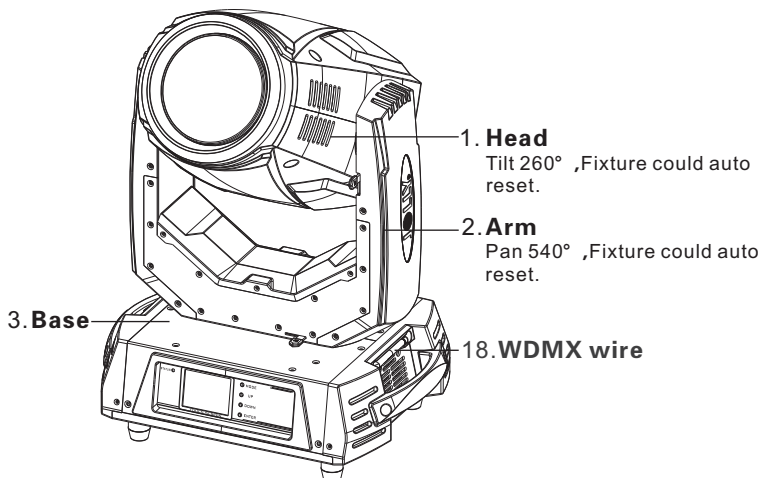
1: Ground
2: Signal (-)
3: Signal (+)
4: N. A.
5: N. A.

DMX Terminator Diagram

-For installations where the DMX cable has to run a long distance or is in an electrically noisy environment it is recommended to use a DMX terminator. This helps in preventing corruption of the signal by electrical noise. The DMX terminator is simply an XLR plug with a 120Ω resistor connected between pins 2 and pins 3, which is then plugged into the output XLR socket of the last fixture in the chain.

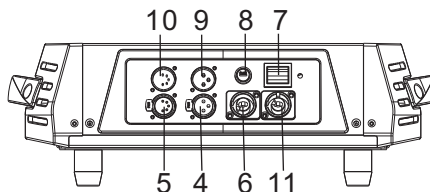


5.Description of the device



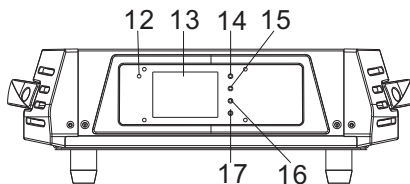
BACK PANEL

4. 3-pin XLR female
5. 5-pin XLR female
6. Power-in
7. Power switch
8. Main Fuse
9. 3-pin XLR male
10. 5-pin XLR male
11. Power-out

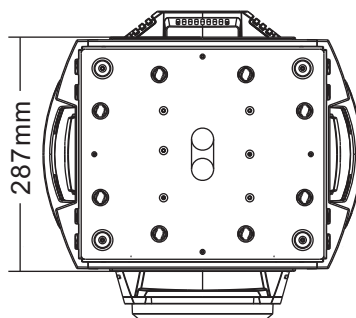
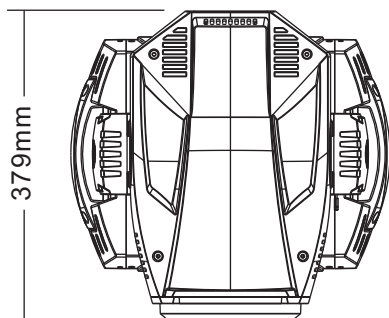
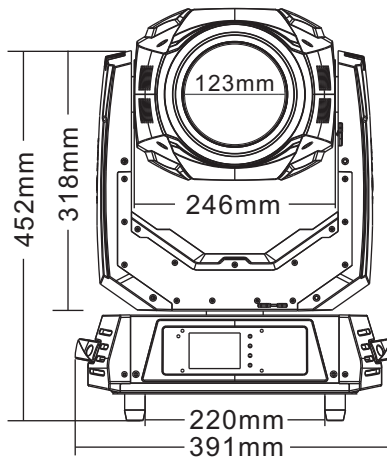
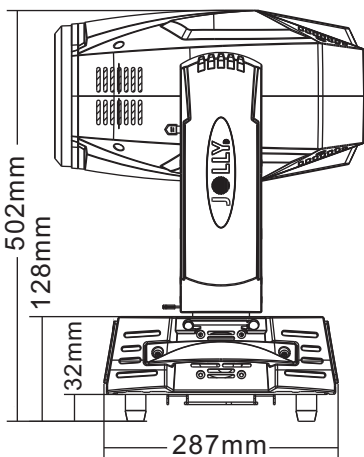


CINTROL PANEL

- 12.Status indicator lamp
- 13.Touch screen(LCD display)
- 14.MODE button
- 15.UP button
- 16.DOWN button
- 17.ENTER button



6.Dimension



7.Display control

7.1 Navigation in the Menu

Using the buttons or touch screen, and this can be simply and easily set the address code and functions code.

If you view or modify the lighting feature set, then press ENTER button, the display will enter the menu interface. Both there is sub menu corresponding to the functional operation of the main menu. Each of the menus is representative of the specific features of the lamp. The specific contents shows as the table menu below.

Set or browse lighting function, press UP or DOWN button.

Press ENTER to save your changes or enter the submenu. Press the UP or DOWN can change the numerical (increase or decrease in value).

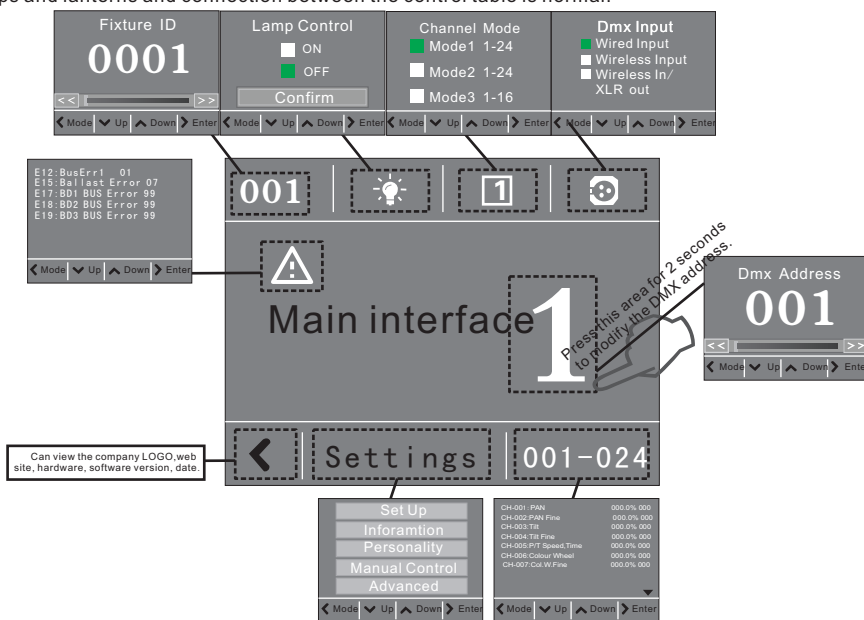
Press the MODE button to return to menu. Set a time 0 to 10 minutes automatically exit menu interface and close the screen.

7.2 Display Operation

Put through power supply, open the power switch of lamps and lanterns, display show the company LOGO website. According to the main interface, as shown in figure:

In the main interface, press "MODE" button to view the software version, press the "UP" "DOWN" can modify the DMX address.

If the screen "😊" icon is green, said DMX signal connection is normal, this state can be used to check the lamps and lanterns and connection between the control table is normal.



menu interface

This lamp can be set to turn off the automatic flip screen function, touch this "😊" icon can be manually flip screen.

Click on the main interface of the icon, numerical to view view Settings related information of lamps and lanterns. Symbols such as the main interface appear "Δ", the following error message indicates that there might be a lamp and lanterns, can click to view and control information content to modify the lamps and lanterns.

| CODE # | ERRO INFO | CHECK MEASUREMENT | NOTE |
|--------|---------------|---|----------------|
| | SpiFlashError | Check the welding of Chip | RESET ERROR |
| | BD1Init Error | Check main cable ABAB (485) chip | |
| | BD2Init Error | | |
| | BD3Init Error | | |
| | Mcu Bus Err | Check main cable ABAB (485) chip | |
| | BD1 BUS Error | Check the communication signal& welding of communication chip | |
| | BD2 BUS Error | | |
| | BD3 BUS Error | | |
| | Pan FB. Err | Check the light coupling line, optical coupling switch and a plate of the relative position measurement | |
| | Tilt FB. Err | Check cable of sensor, distance and location of ,magnets and sensor | |
| | Pan Zero Err | | |
| | Tilt Zero Err | | |
| | Prism1 Err | | |
| | Prism2 Rt Err | | |
| | Prism2 Err1 | | |
| | R.Gobo Err | | |
| | R.Gobo Rr Err | | |
| | Zoom Err | | |
| | Focus Err | | |
| | St.Gobo Err | | |
| | ColourW. Err | | |
| | B.Fan1Error | Check the 60*60 fan of B.Fan. | |
| | B.Fan2Error | | |
| | B.Fan3Error | | |
| | HeadFan1 Err | Check the 60*60 fan of Head. | |
| | HeadFan2 Err | | |
| | LampFan1Error | Check the 80*80 fan of Head. | |
| | LampFan2Error | Check the 50 fan of Head. | |

7.3 Menu Maps

| | | | |
|-------------|-------------------|-------------------------|---------------------------------------|
| Set up | Dmx Address | 001-XXX | |
| | Channel Mode | Mode1 1-24 | Default Mode1 |
| | | Mode2 1-24 | |
| | | Mode3 1-16 | |
| Information | Fixture Id | 0001-9999 | |
| | Fixture Times | xxxxxH xxM | |
| | Lamp Times | Lamp On Times: xxxH xxM | |
| | | Lamp Strike: xxxH | |
| | | Reset Lamp Time | |
| | Error List | | |
| | Diagnosis | BOARD 1: XX.XX% | |
| | | BOARD 2: XX.XX% | |
| | | BOARD 3: XX.XX% | |
| | Fans Monitor | | |
| Personality | Lamp | Power ON Light ON/OFF | Default:OFF |
| | | Lamp On By DMX ON/OFF | Default:ON |
| | | Lamp ON Delay 0-60m | Default:00M |
| | Pan/Tilt | Pan Reverse ON/OFF | Default:OFF |
| | | Tilt Reverse ON/OFF | Default:OFF |
| | | Feedback ON/OFF | Default:ON |
| | Dmx Input | Wired Input | Default |
| | | Wireless Input | |
| | | Wireless In/XLR out | |
| | Language | English | |
| | | 简体中文 | |
| | Screen | Brightness | |
| | | Screen Time out 0-10M | Defau 02M |
| | | Touch Screen ON/OFF | Defaul OFF |
| | | Auto Screen ON/OFF | Default ON |
| Advanced | Manual Control | Reset ALL | |
| | | Reset Pan/Tilt | |
| | | Reset Gobo | |
| | | Reset Colour | |
| | | Reset Other | Contain:Focus/Zoom/Prism/Forst/Strobe |
| | Channel | | |
| | Calibration | password:0088 | |
| | Factory Default | Yes/No | |
| | Touch Calibration | | |
| | DMX Monitor | ON/OFF | |

8.DMX protocol

| Mode1 | Mode2 | Mode3 | Name | Function | DMX Value |
|-------|-------|-------|-----------------------------------|--|-----------|
| 1 | 1 | 1 | Pan | PAN 8BIT | 0-255 |
| 2 | 2 | 1 | Pan Fine | PAN 16BIT | 0-255 |
| 3 | 3 | 2 | Tilt | TILT 8BIT | 0-255 |
| 4 | 4 | 2 | Tilt fine | TILT 16BIT | 0-255 |
| 5 | 5 | 3 | Pan/Tilt speed Pan/Tilt time | Speed from max. to min. | 2-255 |
| 6 | 7 | 4 | Colour wheel | Continual positioning | |
| | | | | Open/white | 0-2 |
| | | | | white → Colour 1 | 3-11 |
| | | | | Colour 1 → Colour 2 | 12-20 |
| | | | | Colour 2 → Colour 3 | 21-29 |
| | | | | Colour 3 → Colour 4 | 30-38 |
| | | | | Colour 4 → Colour 5 | 39-47 |
| | | | | Colour 5 → Colour 6 | 48-56 |
| | | | | Colour 6 → Colour 7 | 57-66 |
| | | | | Colour 7 → Colour 8 | 67-75 |
| | | | | Colour 8 → Colour 9 | 76-84 |
| | | | | Colour 9 → Colour 10 | 85-93 |
| | | | | Colour 10 → Colour 11 | 94-102 |
| | | | | Colour 11 → Colour 12 | 103-111 |
| | | | | Colour 12 → Colour 13 | 112-120 |
| | | | | Colour 13 → white | 121-129 |
| | | | | Positioning | |
| | | | | Colour 1 | 130-134 |
| | | | | Colour 2 | 135-138 |
| | | | | Colour 3 | 139-143 |
| | | | | Colour 4 | 144-147 |
| | | | | Colour 5 | 148-152 |
| | | | | Colour 6 | 153-157 |
| | | | | Colour 7 | 158-161 |
| | | | | Colour 8 | 162-166 |
| | | | | Colour 9 | 167-171 |
| | | | | Colour 10 | 172-176 |
| | | | | Colour 11 | 177-180 |
| | | | | Colour 12 | 181-185 |
| | | | | Colour 13 | 186-189 |
| | | | | Forwards rainbow effect from fast to slow | 190-215 |
| | | | | No rotation | 216-217 |
| | | | | Backwards rainbow effect from slow to fast | 218-243 |
| | | | | Reserved | 244-249 |
| | | | | Auto random colour selection from fast to slow | 250-255 |
| 7 | 8 | | Colour wheel- fine positioning | Fine positioning | 0-255 |
| 8 | 10 | 5 | Static gobo wheel | Open/hole | 0-3 |
| | | | | Positioning | |
| | | | | Gobo 1 | 4-9 |
| | | | | Gobo 2 | 10-15 |
| | | | | Gobo 3 | 16-21 |
| | | | | Gobo 4 | 22-27 |
| | | | | Gobo 5 | 28-33 |
| | | | | Gobo 6 | 34-39 |
| | | | | Gobo 7 | 40-45 |
| | | | | Gobo 8 | 46-51 |
| | | | | Gobo 9 | 52-57 |
| | | | | Gobo 10 | 58-63 |
| | | | | Beam reducer 1 | 64-69 |
| | | | | Beam reducer 2 | 70-75 |

| Mode1 | Mode2 | Mode3 | Name | Function | DMX Value |
|-------|-------|-------|---------------------|--|-----------|
| 8 | 10 | 5 | Static gobo wheel | Beam reducer 3 | 76-81 |
| | | | | Beam reducer 4 | 82-87 |
| | | | | Shaking gobos from slow to fast | |
| | | | | Gobo 1 | 88-95 |
| | | | | Gobo 2 | 96-103 |
| | | | | Gobo 3 | 104-111 |
| | | | | Gobo 4 | 112-119 |
| | | | | Gobo 5 | 120-127 |
| | | | | Gobo 6 | 128-135 |
| | | | | Gobo 7 | 136-143 |
| | | | | Gobo 8 | 144-151 |
| | | | | Gobo 9 | 152-159 |
| | | | | Gobo 10 | 160-167 |
| | | | | Beam reducer 1 | 168-175 |
| | | | | Beam reducer 2 | 176-183 |
| | | | | Beam reducer 3 | 184-191 |
| | | | | Beam reducer 4 | 192-199 |
| | | | | Open/hole | 200-201 |
| | | | | Forwards gobo wheel rotation from fast to slow | 202-221 |
| | | | | No rotation | 222-223 |
| | | | | Backwards gobo wheel rotation from slow to fast | 224-243 |
| | | | | Auto random gobo selection from fast to slow | 244-255 |
| 9 | 11 | 6 | Rotating gobo wheel | In the range of 0-59 DMX the gobo selection speed is controlled by the Effect speed channel Index -set indexing on channel 10/12/7 | |
| | | | | Open/Hole (default) | 0 |
| | | | | Hole (flat field) | 1-4 |
| | | | | Gobo 1 | 5-7 |
| | | | | Gobo 2 | 8-10 |
| | | | | Gobo 3 | 11-13 |
| | | | | Gobo 4 | 14-16 |
| | | | | Gobo 5 | 17-19 |
| | | | | Gobo 6 | 20-22 |
| | | | | Gobo 7 | 23-25 |
| | | | | Gobo 8 | 26-28 |
| | | | | Gobo 9 | 29-31 |
| | | | | Rotation -set rotation on channel 10/12/7 | |
| | | | | Gobo 1 | 32-34 |
| | | | | Gobo 2 | 35-37 |
| | | | | Gobo 3 | 38-40 |
| | | | | Gobo 4 | 41-43 |
| | | | | Gobo 5 | 44-46 |
| | | | | Gobo 6 | 47-49 |
| | | | | Gobo 7 | 50-52 |
| | | | | Gobo 8 | 53-55 |
| | | | | Gobo 9 | 56-59 |
| | | | | Shaking gobos from slow to fast | |
| | | | | Index - set indexing on channel 10/12/7 | |
| | | | | Gobo 1 | 60-67 |
| | | | | Gobo 2 | 68-75 |
| | | | | Gobo 3 | 76-83 |
| | | | | Gobo 4 | 84-91 |
| | | | | Gobo 5 | 92-99 |
| | | | | Gobo 6 | 100-107 |
| | | | | Gobo 7 | 108-115 |
| | | | | Gobo 8 | 116-123 |
| | | | | Gobo 9 | 124-129 |
| | | | | Shaking gobos from slow to fast | |
| | | | | Rotation - set rotation on channel 10/12/7 | |
| | | | | Gobo 1 | 130-137 |

| Mode1 | Mode2 | Mode3 | Name | Function | DMX Value |
|-------|-------|-------|--|---|-----------|
| 9 | 11 | 6 | Rotating gobo wheel | Gobo 2 | 138–145 |
| | | | | Gobo 3 | 146–153 |
| | | | | Gobo 4 | 154–161 |
| | | | | Gobo 5 | 162–169 |
| | | | | Gobo 6 | 170–177 |
| | | | | Gobo 7 | 178–185 |
| | | | | Gobo 8 | 186–193 |
| | | | | Gobo 9 | 194–199 |
| | | | | Open/hole | 200–201 |
| | | | | Forwards gobo wheel rotation from fast to slow | 202–221 |
| | | | | No rotation | 222–223 |
| | | | | Backwards gobo wheel rotation from slow to fast | 224–243 |
| | | | | Reserved | 244–249 |
| | | | | Auto random gobo selection from fast to slow | 250–255 |
| 10 | 12 | 7 | Rot. gobo indexing and rotation | Gobo indexing –set position on channel 9/11/6 | |
| | | | | Gobo indexing | 0–255 |
| | | | | Gobo rotation –set position on channel 9/11/6 | |
| | | | | No rotation | 0 |
| | | | | Forwards gobo rotation from fast to slow | 1–127 |
| | | | | No rotation | 128–129 |
| 11 | 13 | | Rot. gobo indexing and rotation – fine | Backwards gobo rotation from slow to fast | 130–255 |
| | | | | Fine indexing (rotation) | 0–255 |
| 12 | 14 | 8 | Prism | Open position (hole) | 0–19 |
| | | | | 6-facet linear rotating prism –indexing | 20–49 |
| | | | | 6-facet linear rotating prism– rotation | 50–75 |
| | | | | 8-facet circular rotating prism– Indexin | 76–105 |
| | | | | 8-facet circular rotating prism–rotation | 106–127 |
| | | | | Prism/gobo macros | |
| | | | | Macro 1 | 128–135 |
| | | | | Macro 2 | 136–143 |
| | | | | Macro 3 | 144–151 |
| | | | | Macro 4 | 152–159 |
| | | | | Macro 5 | 160–167 |
| | | | | Macro 6 | 168–175 |
| | | | | Macro 7 | 176–183 |
| | | | | Macro 8 | 184–191 |
| | | | | Macro 9 | 192–199 |
| | | | | Macro 10 | 200–207 |
| | | | | Macro 11 | 208–215 |
| | | | | Macro 12 | 216–223 |
| | | | | Macro 13 | 224–231 |
| | | | | Macro 14 | 232–239 |
| | | | | Macro 15 | 240–247 |
| | | | | Macro 16 | 248–255 |
| 13 | 15 | 9 | Prism rotation and indexing | Prism indexing –set position on channel 12/14/8 | |
| | | | | Prism indexing | 0–255 |
| | | | | Prism rotation –set position on channel 12/14/8 | |
| | | | | No rotation | 0 |
| | | | | Forwards prism rotation from fast to slow | 1–127 |
| | | | | No rotation | 128–129 |
| 14 | 16 | 10 | Forst | Backwards prism rotation from slow to fast | 130–255 |
| | | | | Frost from 0% to 100% | 0–255 |
| 15 | 17 | 11 | Zoom | Zoom from max.to min.beam angle | 0–255 |
| 16 | 18 | | Zoom fine | Fine zooming | 0–255 |
| 17 | 19 | 12 | Focus | Continuous adjustment from far to near | 0–255 |
| 18 | 20 | | Focus fine | Fine focusing | 0–255 |

| Mode1 | Mode2 | Mode3 | Name | Function | DMX Value |
|-------|-------|-------|--|--|-----------|
| 19 | 21 | 13 | Autofocus (priority & distance selection) | Select desired distance and effect on which you need to focus and use "Focus" channel(17/19/12) to focus the image | |
| | | | | Reserved | 0-27 |
| | | | | Disable zoom/focus linking-3 sec. | 28-52 |
| | | | | Enable zoom/focus linking, near distance(8meters) (default setting)-3 sec. | 53-77 |
| | | | | Enable zoom/focus linking, edium distance(12meters)-3 sec. | 78-102 |
| | | | | Enable zoom/focus linking, far distance(20meters)-3 sec. | 103-127 |
| 20 | 22 | 14 | Strobe | Reserved | 128-255 |
| | | | | Shutter closed (Lamp power reduced to 230 W) | 0-31 |
| | | | | Shutter open, Full lamp power | 32-63 |
| | | | | Strobe-effect from slow to fast | 64-95 |
| | | | | Shutter open | 96-127 |
| | | | | Opening pulse in sequences from slow to fast | 128-143 |
| | | | | Closing pulse in sequences from fast to slow | 144-159 |
| | | | | Shutter open | 160-191 |
| | | | | Random strobe | 192-223 |
| | | | | Shutter open, Full lamp power | 224-255 |
| | | | | Dimmer intensity from 0% to 100% | 0-255 |
| 21 | 23 | 15 | Dimmer | Dimmer intensity from 0% to 100% | 0-255 |
| 22 | 24 | | Dimmer fine | Fine dimming | 0-255 |
| 23 | 6 | 16 | Power/Special functions | Reserved | 0-19 |
| | | | | *Function is active only 10 seconds after switching fixture on | |
| | | | | Eco mode (Lamp power 230W) | 20-24 |
| | | | | Standard mode (Lamp power 280W) | 25-29 |
| | | | | Reserved | 30-49 |
| | | | | Pan/Tilt speed mode | 50-59 |
| | | | | Pan/Tilt time mode | 60-69 |
| | | | | Note:Put in passord for the followinf functions(9876-1234-6675) | |
| | | | | Blackout while pan/tilt moving | 70-79 |
| | | | | Disabled blackout while pan/tilt moving | 80-89 |
| | | | | Blackout while colour wheel moving | 90-99 |
| | | | | Disabled blackout while colour wheel moving step | 100-109 |
| | | | | Blackout while gobo wheel moving step | 110-119 |
| | | | | Disabled blackout while gobo wheel moving | 120-129 |
| | | | | To activate following functions, stop in DMX value for at least 10 seconds: | |
| | | | | Lamp On, reset (total reset except pan/tilt reset) | 130-139 |
| | | | | Pan/Tilt reset | 140-149 |
| | | | | Colour system reset | 150-159 |
| | | | | Gobo wheels reset | 160-169 |
| | | | | Dimmer/Shutter | 170-179 |
| | | | | Zoom/focus/prism/Forst/Strobe reset | 180-189 |
| | | | | Reserved | 190-199 |
| | | | | Total reset | 200-209 |
| | | | | Reserved | 210-229 |
| | | | | Lamp Off | 230-239 |
| | | | | Reserved | 240-255 |
| 24 | 9 | | Effect Speed | Speed of Rot. Gobo selection from max. to min. | 0-255 |

9. Maintenance and cleaning

DANGER: Disconnect from the mains before starting any maintenance work.

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke fluid residues must not buildup on or within the fixture. Otherwise, the fixtures light-output will be significantly reduced. Regular cleaning will not only ensure the maximum light-output, but will also allow the fixture to function reliably through out its life. A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should alcohol or solvents be used!

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues, reducing the light-output very quickly. The cooling-fans should be cleaned monthly.

The gobos may be cleaned with a soft brush, The interior of the fixture should be cleaned at least annually using a vacuum-cleaner or an air-jet.

There are no serviceable parts inside the device except for the lamp and the fuse.

Replacing the fuse: If the lamp burns out, the fine-wire fuse of the device might fuse, too. Only replace the fuse by a fuse of same type and rating. Before replacing the fuse, unplug mains lead.

Maintenance and maintenance of the operation, please contact the manufacturer or distributor.

10. Electric equipment specification

10.1 Electrical parameters

SOURCE: Osram sirius hri 290W (Osram sirius hri 290W R0)

POWER: 400W

VOLTAGE: AC100-240V 50/60HZ

Color temperature: 8000K

10.2 Weight and dimensions

Dimensions : 390.5X286.5X502.4mm

NET WEIGHT: 18.5Kg

Dimensions (Carton package) : 606X416X466mm

WEIGHT (Carton package) : 23.5Kg

Dimensions (Air boxes -2 lights): 957X497X737mm

NET WEIGHT/WEIGHT (Air boxes -2 lights) : 34Kg/74.5Kg

10.3 Channel Characteristics

1. Channel: 24, 24, 16DMX-512.
2. Scan: Pan 540°, Tilt 260°, Scan speed adjustable. Fixture could auto reset.
3. Colour wheel: One open + 13 colors.
4. RGobo wheel: one open + 9 gobos.
5. GoboR wheel: one open + 14 gobos, rainbow effect, half-color effects.
6. Frost: linear frost
7. Focus: linear focus.
8. Shutter: Double motor stroboscopic, electronic shutter, random strobe.

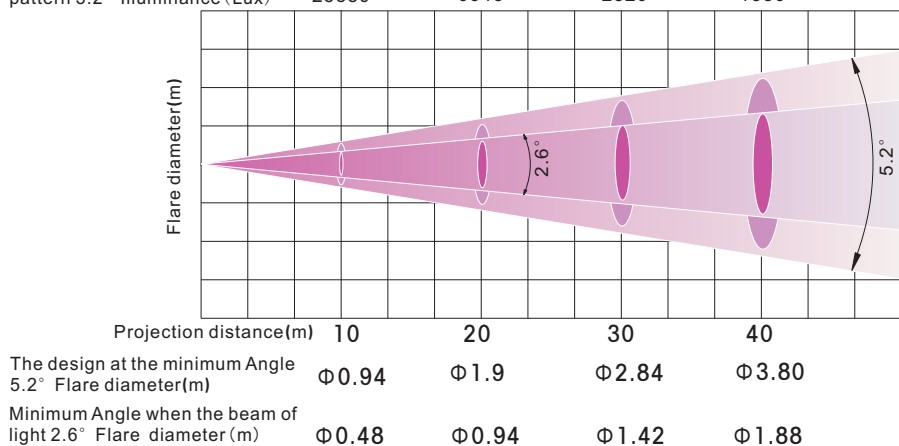
9. Dimmer: linear dimmer.
10. Prism system: prism effect, with rotating.
11. Zoom: linear amplifier.

10.4 Menu Function

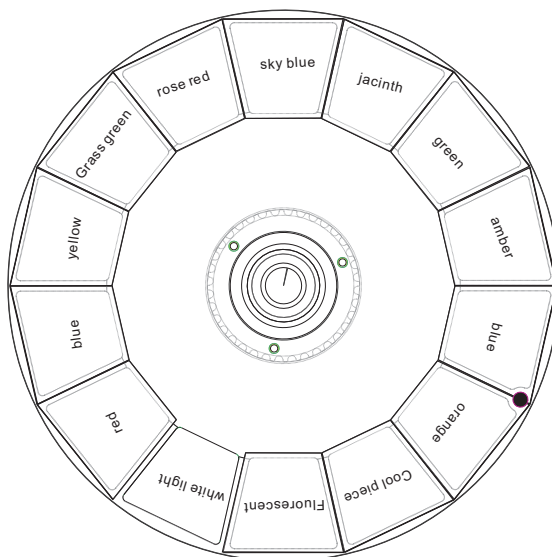
1. Touch screen, English menu.
2. Each DMX Value displayable.
3. Monitor could ON/OFF automatically.
4. Show fixture, lamp use time.
5. Lamp on/off when power on.
6. Screen rotation.
7. Auto error detection.
8. Wireless input, wired input, wireless in/xlr out.
9. When dimmer is closed, It supports energy saving mode, power consumption of the bulb will be 80% less, which will prolong lifetime of the bulb and make it more stable.
10. Remote ON by DMX.
11. You can switch on and off the lamp via the control panel or via your DMX controller. It must be noted that it has to be cold before re-stricking.
12. Software upgrade function.
13. DMX signal after disconnecting display brightness alternately.

10.5 light table

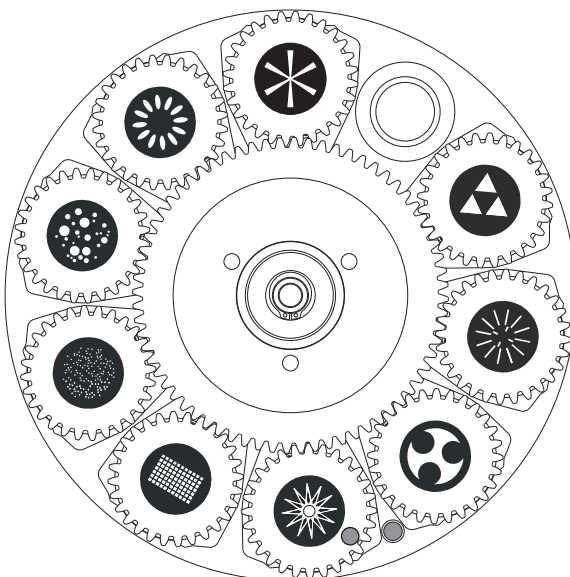
| | | | | | |
|-----------------|-------------------|--------|-------|-------|-------|
| light beam 2.6° | Illuminance (Lux) | 330600 | 82650 | 36733 | 20663 |
| pattern 5.2° | Illuminance (Lux) | 25380 | 6345 | 2820 | 1586 |



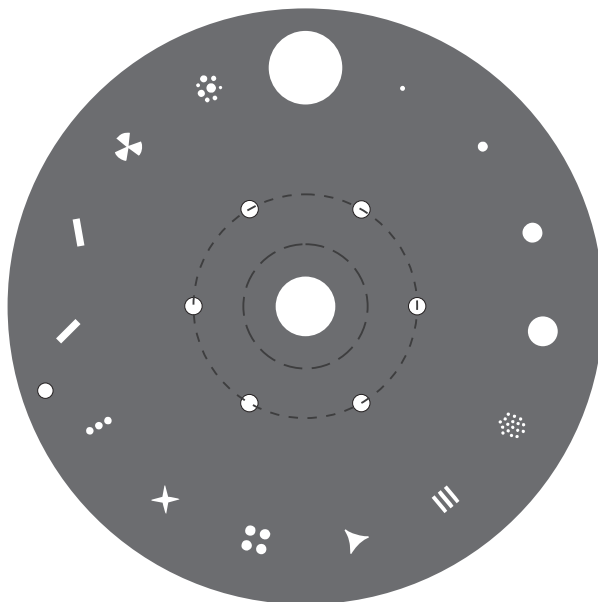
10.6 Color disk



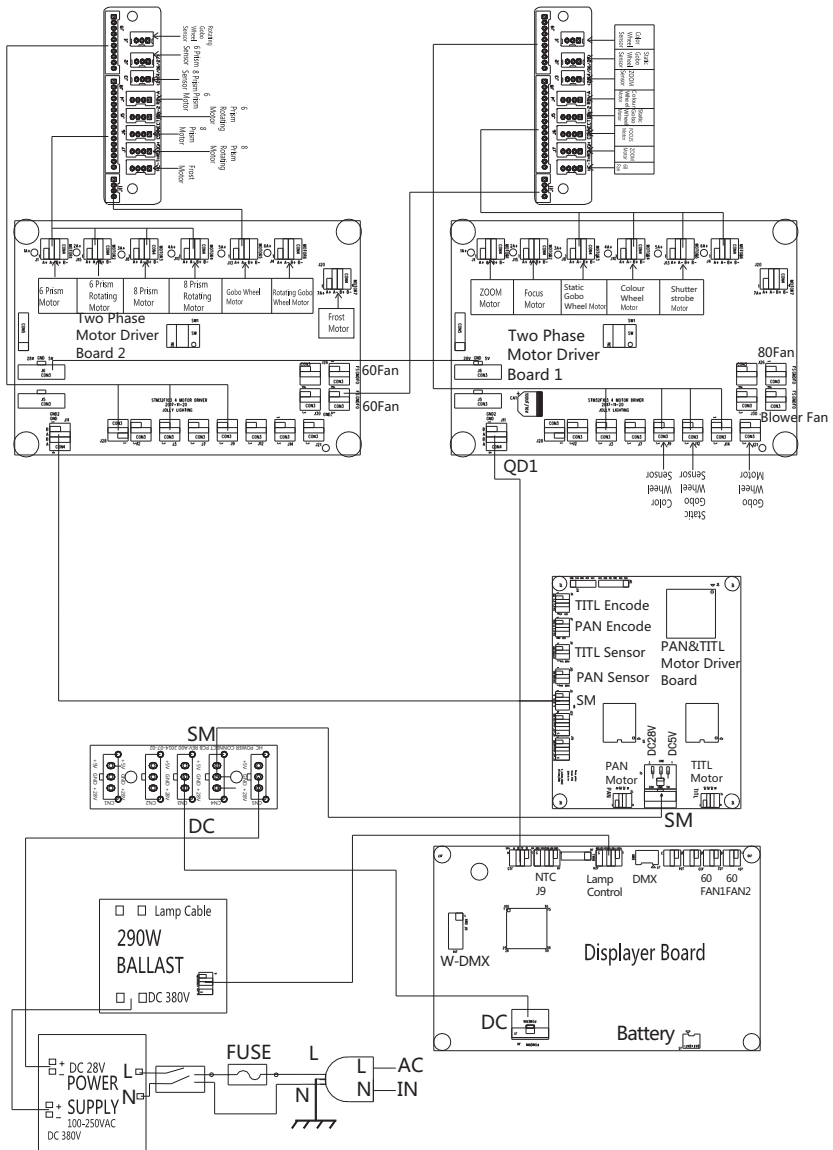
10.7 Gobo wheel RGOBO WHEEL



GOBOR WHEEL
Effective diameter 5.8mm



11. Electronic drawing



Note: The above contents for reference only and is subject to change without prior notice, please take specification you have on hand and our company reserves the final right of interpretation.



<http://www.jollylighting.com>

Guangzhou hongcai stage equipment Co.,Ltd

Tel:+862084558833 Fax:+862084559699

Email:info@jollylighting.com P.C:511450

Add:No.30,Changsha Street, Shachong Village,shiji Tow.Panyu District,Guangzhou,China