



PR-6000 Spot(1400W) PR-2920

The user manual contains important information about the safe installation and use of a projector. Please read and follow these instructions carefully and keep the manual in a safe place for future reference.

PR LIGHTING LTD. http://www.pr-lighting.com

INDEX

| 1. | SAFETY AND WARNINGS····· | 3 |
|-----|--------------------------------|----|
| 2. | INSTRUCTIONS····· | 4 |
| 3. | APPEARANCE····· | 5 |
| 4. | INSTALLATION ····· | 5 |
| 5. | SETUP AND CONFIGURATION | 8 |
| 6. | OPERATION MENU ····· | 10 |
| 7. | DMX PROTOCOL ····· | 15 |
| 8. | SIGNS ON THE TOUCH SCREEN····· | 22 |
| 9. | ERROR MESSAGE ····· | 22 |
| 10. | TECHNICAL DATA····· | 23 |
| 11. | CIRCUIT DIAGRAM AND PCB | 27 |
| | CONNECTIONS | |
| 12. | COMPONENT ORDER CODES····· | 29 |
| | APPENDIX····· | 30 |
| | ••• | |

ACCESSORIES

The following items are supplied with the projector and please check:

| Name | Quantity | Unit | Remark |
|---------------|----------|------|-----------------|
| Clamps | 2 | Pcs | |
| XLR Connector | 1 | Set | Male and female |
| Safety cord | 2 | Pc | |
| User manual | 0 | Pc | QR Code |

Please note that as part of our ongoing commitment to continuous product development, specifications are subject to change without notice. Whilst every care is taken in the preparation of the manual we reserve the right to change specifications in the course of product improvement. The publishers cannot be held responsible for the accuracy of the information herein, or any consequence arising from them.

Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and / or the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer and / or dealer.

Any future technical change in the user manual won't be with any notice.

Note: For the products made by Guangzhou PR lighting Ltd, the warranty for the whole product is one year starting from the delivery date but the light source is not within the warranty

1.SAFETY AND WARNINGS



NOTE

Before a projector's installation, power-on, operation and maintenance, please carefully read the safety information hereinafter!

The following safety signs are used in the user manual.















Warning

User Manual

Electrical shock

Goggles

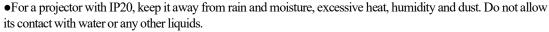
Protective Gloves

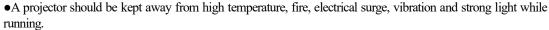
Flames

High **Temperature**



- When unpacking, check if there is transportation damage before using a projector. Should there be any damage caused by transportation, consult your dealer and do not use it.
- •The manufacturer is not responsible for any loss caused by the user not following the manual or changing a projector as he/she likes.
- Please be noted that the damage caused by changing a projector at will is not warranted.
- Do not he sitate to contact the dealer or the manufacturer if any questions or advice.
- A projector with IP20 can only be used indoors.





• Any maintenance and repair of a projector shouldn't be carried out by a user and the user shouldn't open it for any repair work.



- Don't look straightly into the light sources especially for epileptics, otherwise eyes will be burned.
- •Do not connect a projector to any type of dimmer pack.
- If the lamp, lens and screen protective cover of the a projector have obvious damage, i.e., to the extent that it hurts the performance like cracking or deformation. Please stop using it and replace them with the original parts, otherwise its performance will be compromised.
- For the installation location of a projector, it shouldn't be seen in the distance of less than 4 meters for a long time.



- •Before operation, please confirm that all covers (housing) are on and screws tightened. It's forbidden to use a projector while covers (housing) are off.
- Keep the lamp clean and do not touch it with bare hands.
- While operating it, wear protective items like eye goggles, gloves and etc..



- Any electrical connection must be carried out by a qualified person .
- Before installation, please confirm the voltage supplied matches what is required for a projector.
- Each projector must be properly earthed and installed as per related electrical standards.
- Do not use power cord with its insulator damaged and connect the power cord with other cables.
- •If a projector is not used or under cleaning,, please hold the plug and unplug it. Do not unplug it forcefully or by pulling the power cable.

- All power cords must conform to related safety and regulations.
- •If a projector is not water and dust proof, while being operated it should not be under rains or in humidity to avoid short circuit.
- •Do not switch on and off a projector constantly in very short intervals, otherwise the light source's and other electrical parts' life will be shortened .



- •There are safety cord holes at the bottom of the base of a projector. In view of safety, please run the safety cord supplied through the safety cord holes for safety support.
- •Before any installation, maintenance and cleaning work, please ensure a projector is disconnected from power mains.



- \bullet While running normally under normal ambient temperature, the temperature of the external surface of the metal housing of a projector including that of the heat sink may reach 170° C at maximum.
- •While the lamp is stricken for the first time, there will be smoke and strange smell. It's normal and does not mean a projector has some defects.
- While it running, don't touch the metal housing to avoid being burned!



- •Do not mount a projector directly on inflammable surface.
- •Do not project the beam straightly on combustible items and the minimum distance between a projector and illuminated items is 5m.
- A projector should be installed with good ventilation and the minimum distance between a projector and a wall is 50cm. At the same time, please ensure the fans and air inlets and outlets are workable.
- •Do not let the front lens under sunlight or other strong light sources at any angle, otherwise the danger of fire can be caused by the focused beam by the lens inside a projector.

2. INSTRUCTIONS

.CLEANING AND MAINTENANCE

If a projector can't start. Please check if the fuse is blown up. If it does, replace it with a new fuse with same ratings. And the projector has over-temperature protective device. If the temperature is too high, the protective device will be triggered to shut the projector off. When it happens, please check if the fans run normally or fan shield is blocked by dust. After the issue is solved, restart the projector.

The accumulation of oil, smoke and dust on the lens will compromise the light output. Cleaning a projector is very necessary to ensure a reliable use of it. Cooling fans need to be cleaned every 15days. Internal lens, reflector and hot mirror need to be cleaned periodically to optimize light output.

Cleaning frequency is to be decided by operations and its environment. Use soft cloth and normal detergent for glass for cleaning work. It's advised external optical system be cleaned every 20days and internal optical systems every 30/60days. Keep lens clean and do not touch optical parts with bare hands.



- •Before any maintenance and cleaning, please ensure the project is off the power
- •Only qualified person is allowed to do maintenance
- •During maintenance and before maintenance, the projector must be off power.



- •To avoid internal damage, sun light or other light mustn't penetrate into the projector via front lens whether it runs or not
 - •Do not use alcohol or other organic solvent to clean the housing to avoid damage.
 - •Do not use any solvent with chemical elements to clean color filters or hot mirror.

.LUBRICATION

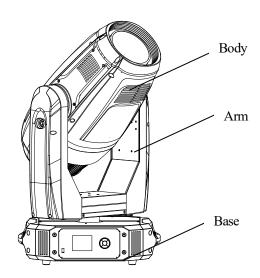
To ensure smooth movement of gobos and zoom and focus lens, it's advised rotators' bearings and 2 sliding bars for zoom and focus

lens be lubricated every 2 months. High quality and high temperature lubricant/grease is advised..

.TROUBLESHOOTING

| PROBLEM | ACTION |
|--|---|
| The majeston de earl't greitele en | Check the fuse on the power socket. |
| The projector doesn't switch on | ➤ Check the lamp. |
| The lamp is on but the projector doesn't respond | ➤ Make sure that the fixture's start address is right |
| to the controller | Replace or repair the XLR signal cable. |
| The projector functions intermittently | Make sure the fan is working well or fans and their shields are not blocked |
| D | Make sure the lamp is within its lifespan |
| Beam appears dim, Low in brightness | Remove dust or grease from the lenses. |
| The project image appears to have a halo | Carefully clean the lamp, optical lenses and other components. |
| Hamila Dafarina Dama | ➤ Check if lens are in good condition(not cracked) |
| Heavily Defective Beam | Clean dust or grease on the lens. |

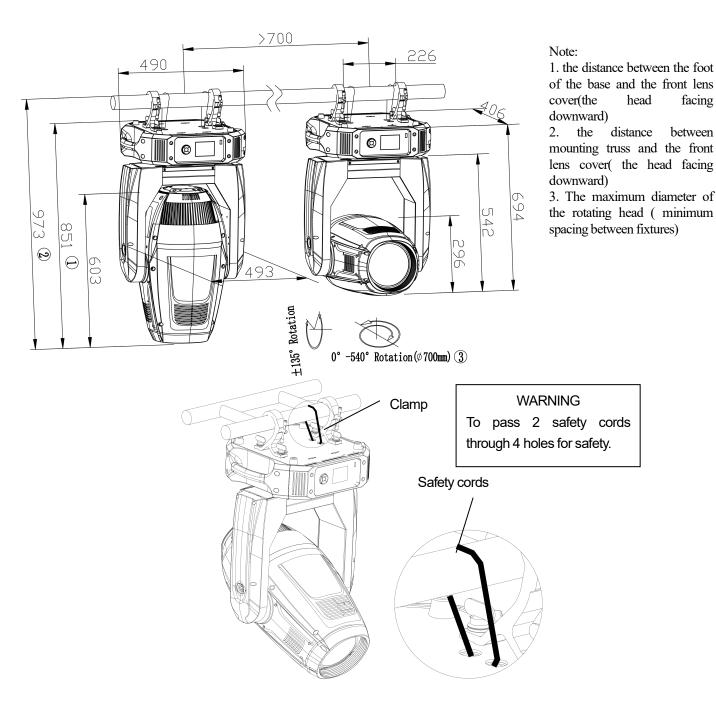
3.APPEARANCE



4.INSTALLATION

.RIGGING

Before moving a projector, Please lock Pan and Tilt. Before its operation, please unlock them. It's forbidden to run a projector with power while it is locked



facing

Take 2 clamps and the safety cord out from the package and mount 2 clamps on the underside of fixture with 2 retainers attached to each clamp. Hang the fixture on the structure and fasten the screws attached to each clamp. (See the WARNING on the underside of the base as shown above) To pass the SAFETY CORD through the HOLES for safety! Always ensure that the projector is firmly anchored to avoid vibration and slipping whilst functioning. Always ensure that the structure that you are going to mount the projector to is secure and strong enough to support the weight of the unit.



WARNING:

- •The projector MUST be lifted or carried by the HANDLES instead of clamps.
- •. For safety the safety cord should afford 10 times the Projector's weight.

POWER CONNECTION

Connect the power cord as follows: L(live)=brown E (earth) = yellow/green

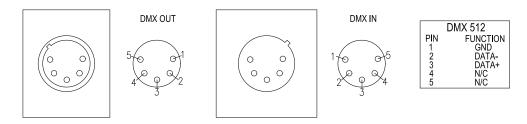
N (neutral) = blue

Before power connection, please ensure the power supplied must match what the nameplate says. It is recommended that each projector be connected with power separately so that they may be individually switched on and off.



- The earth wire(yellow/green) must be connected to the ground. And electrical connection must be in accordance with the standards concerned.
- If any questions about the electrical installation, do not continue but consult a qualified electrician.

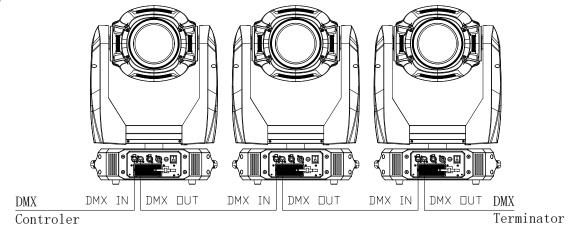
. DMX CONTROL CONNECTION:



Connection between controller and projector and between one projector and another must be made with a twin-screened cable, with each wire having at least a 0.5mm in diameter. Connection to and from the projector is via cannon 5 pin (which are included with the projector) or 5 pin XLR plugs and sockets. The XLR's are connected as shown in the figure above.

Note: care should be taken to ensure that none of the pins touch the metallic body of the plug or each other. XLR plugs and sockets mustn't be connected in any way other than mentioned in the above figure. The Fixture accepts digital control signals in protocol DMX512 (1990).

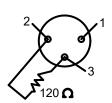
Connect the controller's DMX output to the first fixture's DMX input, and connect the first fixture's DMX output to the second fixture's DMX input and connect the rest fixtures in the same way. Eventually connect the last fixture's DMX output to a DMX terminator as shown in the figure below.



.DMX TERMINATOR

In the Controller mode, at the last fixture in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

The DMX terminator is simply an XLR connector with a 120Ω (ohm) resistor connected across pins 2 and 3, which is then plugged into the output socket on the last projector in the chain. The connections are illustrated below.



DMX TERMINATOR CONNECTION

Connect a 120 Ω(OHM) resistor across pins 2 and 3 in an XLR plug and insert into the DMX out socket on the last unit in the chain.



.ALIGNMENT/INSTALLATION/REPLACEMENT OF A LAMP

Before installation/replacement/alignment of a lamp, disconnect the unit from the power and let it cool first.

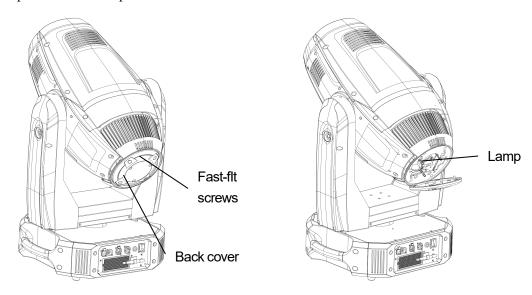
Lock Tilt in the figure below and open the lamp cover after its 4 screws are loosened.

After removal of the lamp cover, take out the lamp while the 2 screws at both ends of the lamp are loosened.

Insert a new lamp. Note: while placing a new lamp, do not touch the burner of the lamp with bare hands, otherwise the light output will be compromised.

Fasten the 4 fast-fit screws after the lamp cover is on

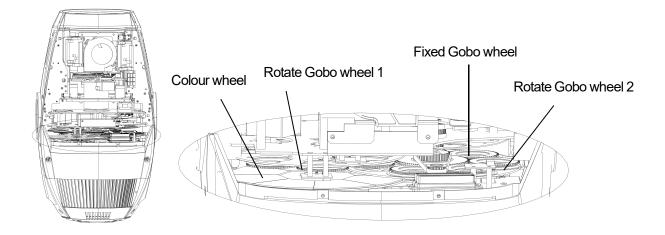
Important: The unit uses high voltage discharge lamp with external igniter(). While using the lamp, please carefully read "INSTRUCTIONS" packed with the lamp.





- •Don't touch the internal surface of the reflector and the burner of the lamp with bare hands so as not to impair the beam output. While lamp's installation, do not damage the metal wire around the burner.
- •Please read "Instructions" enclosed with the lamp
- •Do operate the projector while adjusting the lamp

.GOBO REPLACEMENT



Lock the tilt and loosen the 6 fast-fit screws on the upper cover, After removing the cover, you will see the structures as the figure below. Before replacing a gobo on the fixed gobo wheel, use your finger to remove the spring tightening it and take the old one out with due care. At last put the new into the wheel.

To replace a gobo on the rotating gobo wheel: take the rotator from the wheel, take the gobo out from the rotator by removing the tightening spring. Put the new gobo back to the rotator, then tighten it with the spring. Please ensure the spring is in the narrow location of the rotator, which is the internal ring of it and flatten it. At last, pull up the spring strip using proper tool and put the rotator back to the wheel with the assistance by another hand.

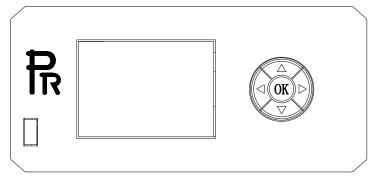
Note: Do not touch the glass gobo with bare hand. Place clean and soft paper or cloth between hand and glass gobos. Tighten 6 fast-fit screws after the cover is on. Unlock the tilt.



DANGER!

BEFORE REPLACEMENT OF GOBOS, THE PROJECTOR MUST BE OFF THE POWER!

5.SETUP AND CONFIGURATION .FRONT PANEL OPERATION



Projector configuration can be set conveniently via push button and LCD display.

Launch the projector and press button ENTER for more than 5 seconds to unlock the panel, the LCD will show the function menu of the projector, each main menu has its submenus and each submenu has a specific function. For details, please see the "OPERATION MENU" section.

Press button ENTER to save your settings or enter the submenu.

Press button UP or DOWN to change values(plus or minus)

Press button FUNC, it will return to the upper menu. If button FUNC not pressed, the default will show display status automatically.

Shortcut key: Press UP and DOWN buttons together to invert the screen; Press DOWN and ENTER together to change between English and Chinese menus.

.DMX START ADDRESS

Each unit must be given a DMX start address so that the correct projector responds to the correct control signals. This DMX start address is the channel number from which the projector starts to "listen" to the digital control information being sent out from the controller. The unit

has 3 DMX modes. There are standard mode ,short mode and extended mode. For example standard mode has 32 channels, so set the No.

 $1\ projector's\ address\ 001, No.\ 2\ projector's\ address\ 033, No.\ 3\ projector's\ address\ 065, and\ so\ on.$

Launch the projector. Press button ENTER more than 5 seconds to unlock panel.

Press button ENTER to display DMX address;

Press button UP and DOWN, you can set the address;

Press button ENTER to confirm; after powered on next time, the default will be last value saved

Press button FUNC, it will return to the upper menu

.

•DMX WIRELESS CONTROL (If the projector has the function)

The projector has wireless control function with wireless receiver module and antenna for remote control.

The setup of it is below:

- 1. Enter into the projector's menu. Select the menu "Config Settigns" via the bottoms of UP and DOWN
- 2. Select **DMX control Mode---- Wireless First** (Note: do not select **XLR ONLY**), then wireless indication in the front panel will be on, meaning wireless control function is activated.

Only after the projector is linked with a transmitter, can it receive wireless signal sent by the transmitter. If unlinking it, Press "Enter" for the menu of Unlink Wireless under the upper level menu of Config Settigns.

STAND-ALONE MODE

Operate the projector without connecting with a controller, enable the master mode through the operation panel, the projector will run in Stand-Alone mode automatically.

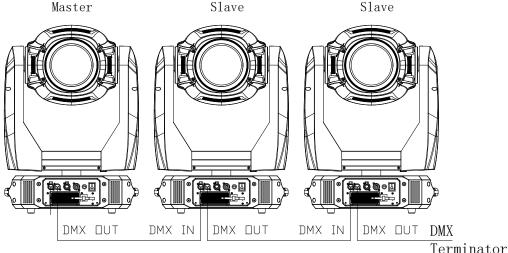
DMX address can be set at any number within 512.

.MASTER/SLAVE MODE

Many projectors can run synchronously in the Master/Slave mode by linking them with each other. First, connect the first fixture's DMX output to the second fixture's DMX input using XLR-XLR control cable and then connect the second fixture's DMX output to the third fixture's DMX input, and so on until all projector are connected in this way. Eventually connect the last fixture's DMX output to a DMX terminator. Set 1st projector as the master and others are Slaves.

Start Addresses of all Slaves are 001; Operation mode of the Master can be set any mode for a Master' and Slaves' operation mode can be set accordingly.

After Powered on, the group will run in Master/Slave Mode



6.OPERATION MENU

| 1st LEVEL | 2nd LEVEL | 3rd LEVEL | 4th LEVEL | 5th LEVEL |
|-----------|-----------------------|--|------------------|-----------|
| Address | DMX 地址 DMX Address | Short mode 1-489 Standard mode 1-480 Extend mode 1-473 | | |
| | IP Address | Default IP Address | 2.X.X.X/10.X.X.X | |

| | | Custom IP Address | X.X.X.X | |
|-----------------|---------------------|---------------------------------------|-------------------|--|
| | SubNet Mask | X.X.X.X | | |
| | ArtNet Universe | 0-255 | | |
| | sACN Universe | 1-63999 | | |
| | Total Reset | Really Reset? | | |
| | Pan&Tilt Reset | Really Reset? | | |
| | Colour System Reset | Really Reset? | | |
| Reset | Gobo Reset | Really Reset? | | |
| | Dimmer/Strobe reset | Really Reset? | | |
| | Zo.Fo.Fr.Pr. Reset | Really Reset? | | |
| | Other Reset | Really Reset? | | |
| | Digital 114.1 | Short Mode 28CH | | |
| | DMX Channel Mode | Standard Mode 32CH | | |
| | | Extended Mode 39CH View Selected Mode | | |
| | | Lamp Control | OFF/ON | |
| | T C . 1 | On By Power On | OFF/ON | |
| | Lamp Control | Control By DMX | OFF/ON | |
| | | Lamp Power | 1200/1400 | |
| | | XLR Only | | |
| | | XLR First | | |
| | | Wireless Only | | |
| | | Wireless First | | |
| | Signal Select | Wireless In/XLR Out | | |
| | | ARTNET Only | | |
| | | ARTNET/XLR Out | | |
| | | sACN Only | | |
| | | sACN In/XLR Out | | |
| | Loss of DMX | Normal time out | | |
| | LOSS OF DIVIZ | Hold Last Value | | |
| Config Settings | | Display Mode | Off After Delay | |
| | | | On Always | |
| | | Display Invert | Invert OFF | |
| | Display Config | | Invert ON | |
| | | | Invert Auto | |
| | | Language Setting | English | |
| | | Language Seuring | Chinese | |
| | | Touch Calibration | Input Password123 | |
| | Tonnomtono I Luit | Celsius Degree | | |
| | Temperature Unit | Fahrenheit Degree | | |
| | Un-Link Wireless | Really Un-Link? | | |
| | Factory Defaults | Restore Defaults? | | |
| | | Pan DMX Invert | OFF/ON | |
| | | Tilt DMX Invert | OFF/ON | |
| | Pan/Tilt Settings | Pan Tilt Swap | OFF/ON | |
| Option Settings | | XY Feedback | OFF/ON | |
| | | Pan/Tilt mode | Speed/Time | |
| | | Dimmer Invert | OFF/ON | |
| | Invert Settings | Zoom Invert | OFF/ON | |
| | | Iris Invert | OFF/ON | |

| | | CYM Invert | OFF/ON | |
|-------------|------------------|--|----------------------|--|
| | | CTO Invert | OFF/ON | |
| | Dimmer Curve | Linear/ Square Law | | |
| | Defaults | Restore Defaults? | | |
| Information | View DMX Values | Channel Value Strobe XXX Dimmer XXX Dimmer Fine XXX CYM Macro XXX CYM Macro XXX Cyan XXX Yellow XXX Magenta XXX CTO XXX Colour Wheel XXX Colour Wheel Fine XXX Iris XXX Iris Macro XXX Iris Macro XXX Rot. Gobo Wheel XXX Rot. Gobo Rotation XXX Rot. Gobo Rotation F XXX Rot. Gobo Potation F XXX Rot. Gobo 2 Rotation F XXX Rot. Gobo 2 Rotation F XXX Rot. Gobo 2 Rotation F XXX Frism XXX Prism Rotation XXX Frism XXX Frism XXX Frism XXX Frist XXX Frost XXX Frost XXX Focus XXX Focus XXX Focus XXX Pan Fine XXX Tilt XXX Tilt XXX Tilt Speed & Time XXX Pan/Tilt Speed & Time XXX Power/Special Fun. XXX | | |
| momadon | Lamp Hours | Lamp Hours=××××h | | |
| | Total Hours | Reset Lamp Hours Total Hours=××××h | | |
| | 10mi 110mi | Display Board XX°C/F | | |
| | | Driver Board 1 XX°C/F | | |
| | | Driver Board 2 XX°C/F | | |
| | Temperature | Driver Board 3 XX°C/F | | |
| | p | Driver Board 4XX°C/F | | |
| | | Pan and Tilt XX°C/F | | |
| | | Head Sensor XX°C/F | | |
| | | Display Board | Sys= XXX Boot=XXX | |
| | | Driver Board 1 | Sys=XXX Boot=XXX | |
| | Software Version | Driver Board 2 | Sys=XXX Boot=XXX | |
| | Solivare version | Driver Board 3 | Sys=XXX Boot=XXX | |
| | | Driver Board 4 | Sys=XXX Boot=XXX | |
| | | Pan and Tilt | Sys=XXX Boot=XXX | |
| | Electronic SN | Electronic SN= ******** | | |
| | RDM Device Label | PR-6000 Spot 1400W updated ANSI E1.20 RDM Version XXX | | |
| | | 12 | l | |

| | | Fon Smood Stat | | |
|-----------|------------------------|--|------------------------|--|
| | | Fan Speed Status | | |
| | | Base Fan XXX XXX | | |
| | | Ballsat Fan XXX XXX | | |
| | | Lamp T Fan 1 XXX XXX | | |
| | | Lamp T Fan2 XXX XXX | | |
| | Fan Status | Head Fan1 XXX XXX | | |
| | | Strobe Fan XXX XXX | | |
| | | CYM Fan XXX XXX | | |
| | | Head Fan2 XXX XXX | | |
| | | Lamp R Fan1 XXX XXX | | |
| | | Lamp R Fan2 XXX XXX | | |
| | 3/3/E 1 | X Encoder XXXX | | |
| | XY Encoder | Y Encoder XXXX | | |
| | | Fan Error Count | | |
| | | Base Fan XXX | | |
| | | Ballsat Fan XXX | | |
| | | Lamp T Fan 1 XXX | | |
| | | Lamp T Fan2 XXX | | |
| | Lamp Fan Error | Head Fan 1 XXX | | |
| | Emily I mi Entor | Strobe Fan XXX | | |
| | | CYM Fan XXX | | |
| | | | | |
| | | Head Fan 2 XXX | | |
| | | Lamp R Fan1 XXX | | |
| | | Lamp R Fan2 XXX Strobe XXX | | |
| | | Dimmer XXX | | |
| | | Dimmer Fine XXX | | |
| | | CYM Macro XXX | | |
| | | Cyan XXX | | |
| | | Cyan Fine XXX | | |
| | | Yellow XXX | | |
| | | Yellow Fine XXX Magenta XXX | | |
| | | Magenta XXX Magenta Fine XXX | | |
| | | CTO XXX | | |
| | | CTO Fine XXX | | |
| | | Colour Wheel XXX | | |
| | | Colour Wheel Fine XXX | | |
| | | Iris XXX | | |
| | | Iris Fine XXX | | |
| | | Iris Macro XXX | | |
| | | FGobo Wheel XXX | | |
| | Manual Effect Control | Rot. Gobo Wheel XXX | | |
| Service | Triangai Enoce Control | Rot. Gobo Rotation XXX Rot. Gobo Rotation F. XXX | | |
| | | Rot. Gobo Wheel 2 XXX | | |
| | | Rot. Gobo 2 Rotation XXX | | |
| | | Rot. Gobo 2 Rotation F. XXX | | |
| | | Prism XXX | | |
| | | Prism Rotation XXX | | |
| | | Effect Wheel XXX | | |
| | | Effect Wheel R XXX Frost XXX | | |
| | | Focus XXX | | |
| | | Focus Fine XXX | | |
| | | Zoom XXX | | |
| | | Zoom Fine XXX | | |
| | | Pan XXX | | |
| | | Pan Fine XXX | | |
| | | Tilt XXX Tilt Fine XXX | | |
| | | Pan/Tilt Speed & Time XXX | | |
| | | 1 | | |
| | Factory Test | | | |
| Operation | DMX Mode | Change Operation Mode? | | |
| Mode | Master Mode | Preset Memory | Change Operation Mode? | |
| L | 1410001 141000 | , | | |

| | | User Memory 1 | Change Operation Mode? | |
|------------------|------------------|---------------------------------------|--------------------------------|---|
| | | User Memory 2 | Change Operation Mode? | |
| | | Preset Memory | Change Operation Mode? | |
| | Stand-Alone Mode | User Memory 1 | Change Operation Mode? | |
| | | User Memory 2 | Change Operation Mode? | |
| | Static Scene | Change Operation Mode? | | |
| User Memories | Edit User Memory | Edit User Memory 1 Edit User Memory 2 | Scene XX (1~200 Confirm Cancel | Strobe XXX Dimmer XXX Dimmer Fine XXX Cym Fine XXX Cyan XXX Cyan Fine XXX Yellow XXX Yellow Fine XXX Magenta XXX Magenta Fine XXX CTO XXX CTO Fine XXX CTO Fine XXX Colour Wheel Fine XXX Iris XXX Iris Fine XXX Iris Fine XXX Iris Macro XXX Iris Macro XXX F Gobo Wheel XXX Rot. Gobo Rotation XXX Rot. Gobo Rotation F. XXX Rot. Gobo Rotation F. XXX Rot. Gobo 2 Rotation F. XXX Rot. Gobo 2 Rotation F. XXX Rot. Gobo 2 Rotation XXX Frism XXX Frism XXX Frism XXX Frism Cobo 2 Rotation F. XXX Frism XXX Frism XXX Frism Rotation XXX Frism Rotation XXX Frost XXX Frost XXX Frocus Fine XXX Frocus Fine XXX Frocus Fine XXX Frocus Fine XXX Fron |
| | | Edit Static Scene | Paste ? Confirm Cancel | Dimmer XXX Dimmer Fine XXX CYM Macro XXX Cyan XXX Cyan Fine XXX Yellow XXX Yellow Fine XXX Magenta XXX Magenta Fine XXX CTO XXX CTO Fine XXX Colour Wheel Fine XXX |

| | | | Iris XXX |
|------------------|---------------------|---------------------|-----------------------------|
| | | | Iris Fine XXX |
| | | | Iris Macro XXX |
| | | | F Gobo Wheel XXX |
| | | | Rot. Gobo Wheel |
| | | | XXX |
| | | | Rot. Gobo Rotation |
| | | | XXX |
| | | | Rot. Gobo Rotation F. |
| | | | XXX |
| | | | Rot. Gobo Wheel 2 |
| | | | XXX |
| | | | Rot. Gobo 2 Rotation |
| | | | XXX |
| | | | Rot. Gobo 2 Rotation F. XXX |
| | | | Prism XXX |
| | | | Prism Rotation XXX |
| | | | Effect Wheel XXX |
| | | | Effect Wheel R XXX |
| | | | Frost XXX |
| | | | Focus XXX |
| | | | Focus Fine XXX |
| | | | Zoom XXX |
| | | | Zoom Fine XXX |
| | | | Pan XXX |
| | | | Pan Fine XXX |
| | | | Tilt XXX |
| | | | Tilt Fine XXX |
| | | | Pan/Tilt Speed & Time |
| | D. H. M. | D III M | XXX |
| | Reset User Memory 1 | Reset User Memory? | Input Password123 |
| Init User Memory | Reset User Memory 2 | Reset User Memory? | Input Password123 |
| | Reset Static Scene | Reset Static Scene? | Input Password123 |

Note:

- 1. The parameters transmitted from the mater if multiple units are synchronized include: DMX channel mode ,Display setting, operation mode including user memory
- 2. The unit which receives the parameters sent is automatically set as the Slave

7.DMX PROTOCOL

| Short mode | Standard mode | Extended mode | Description | Decimal low | Decimal High |
|------------|------------------|---------------|--|-------------|--------------|
| | | | Strobe | | |
| | | | Close (The lamp's power changes into 1000W after strobe blades close.) | 0 | 10 |
| 1 | 1 | 1 | Open | 11 | 25 |
| | | | Strobe from slow to fast | 26 | 225 |
| | | | Strobe macros (Strobe at random from fast to slow) | 226 | 246 |
| | | | Open | 247 | 255 |
| | | | Dimmer | | |
| 2 | 2 | 2 | Close | 0 | 0 |
| | | | Linear dimmer (0-100%) | 1 | 255 |
| | 2 | 2 | Dimmer in 16 bit | | |
| | 3 | 3 | Dimmer in 16 bit adjustment | 0 | 255 |

| 3 | 4 | 4 | CYM macros | | |
|---|---|---|---|----|----|
| | | | The following functions will disable CMY,CTO, color wheel | | |
| | | | No function | 0 | 7 |
| | | | Color macro1 | 8 | 9 |
| | | | Color macro2 | 10 | 11 |
| | | | Color macro3 | 12 | 13 |
| | | | Color macro4 | 14 | 15 |
| | | | Color macro5 | 16 | 17 |
| | | | Color macro6 | 18 | 19 |
| | | | Color macro7 | 20 | 21 |
| | | | Color macro8 | 22 | 23 |
| | | | Color macro9 | 24 | 25 |
| | | | Color macro10 | 26 | 27 |
| | | | Color macro11 | 28 | 29 |
| | | | Color macro12 | 30 | 31 |
| | | | Color macro13 | 32 | 33 |
| | | | Color macro14 | 34 | 35 |
| | | | Color macro15 | 36 | 37 |
| | | | Color macro16 | 38 | 39 |
| | | | Color macro17 | 40 | 41 |
| | | | Color macro18 | 42 | 43 |
| | | | Color macro19 | 44 | 45 |
| | | | Color macro20 | 46 | 47 |
| | | | Color macro21 | 48 | 49 |
| | | | Color macro22 | 50 | 51 |
| | | | Color macro23 | 52 | 53 |
| | | | Color macro24 | 54 | 55 |
| | | | Color macro25 | 56 | 57 |
| | | | Color macro26 | 58 | 59 |
| | | | Color macro27 | 60 | 61 |
| | | | Color macro28 | 62 | 63 |
| | | | Color macro29 | 64 | 65 |
| | | | Color macro30 | 66 | 67 |
| | | | Color macro31 | 68 | 69 |
| | | | Color macro32 | 70 | 71 |
| | | | Color macro33 | 72 | 73 |
| | | | Color macro34 | 74 | 75 |
| | | | Color macro35 | 76 | 77 |
| | | | Color macro36 | 78 | 79 |
| | | | Color macro37 | 80 | 81 |
| | | | Color macro38 | 82 | 83 |
| | | | Color macro39 | 84 | 85 |
| | | | Color macro40 | 86 | 87 |
| | | | Color macro41 | 88 | 89 |

| Color macro42 | 90 | 91 |
|---------------|-----|-----|
| Color macro43 | 92 | 93 |
| Color macro44 | 94 | 95 |
| Color macro45 | 96 | 97 |
| Color macro46 | 98 | 99 |
| Color macro47 | 100 | 101 |
| Color macro48 | 102 | 103 |
| Color macro49 | 104 | 105 |
| Color macro50 | 106 | 107 |
| Color macro51 | 108 | 109 |
| Color macro52 | 110 | 111 |
| Color macro53 | 112 | 113 |
| Color macro54 | 114 | 115 |
| Color macro55 | 116 | 117 |
| Color macro56 | 118 | 119 |
| Color macro57 | 120 | 121 |
| Color macro58 | 122 | 123 |
| Color macro59 | 124 | 125 |
| Color macro60 | 126 | 127 |
| Color macro61 | 128 | 129 |
| Color macro62 | 130 | 131 |
| Color macro63 | 132 | 133 |
| Color macro64 | 134 | 135 |
| Color macro65 | 136 | 137 |
| Color macro66 | 138 | 139 |
| Color macro67 | 140 | 141 |
| Color macro68 | 142 | 143 |
| Color macro69 | 144 | 145 |
| Color macro70 | 146 | 147 |
| Color macro71 | 148 | 149 |
| Color macro72 | 150 | 151 |
| Color macro73 | 152 | 153 |
| Color macro74 | 154 | 155 |
| Color macro75 | 156 | 157 |
| Color macro76 | 158 | 159 |
| Color macro77 | 160 | 161 |
| Color macro78 | 162 | 163 |
| Color macro79 | 164 | 165 |
| Color macro80 | 166 | 167 |
| Color macro81 | 168 | 169 |
| Color macro82 | 170 | 171 |
| Color macro83 | 172 | 173 |
| Color macro84 | 174 | 175 |
| Color macro85 | 176 | 177 |

| | | T | G.1 06 | 170 | 170 |
|---|---|----|---------------------------------------|-----|-----|
| | | | Color macro86 | 178 | 179 |
| | | | Color macro87 | 180 | 181 |
| | | | Color macro88 | 182 | 183 |
| | | | Color macro89 | 184 | 185 |
| | | | Color macro90 | 186 | 187 |
| | | | Color macro91 | 188 | 189 |
| | | | Color macro92 | 190 | 191 |
| | | | Color macro93 | 192 | 193 |
| | | | Color macro94 | 194 | 195 |
| | | | Color macro95 | 196 | 197 |
| | | | Color macro96 | 198 | 199 |
| | | | CMY color mixing fade from slow toast | 200 | 255 |
| 4 | 5 | 5 | Cyan | | |
| 4 | 3 | 3 | Cyan (Linear 0-100%) | 0 | 255 |
| | | | Cyan in 16 bit | | |
| | | 6 | Cyan 16 bit adjustment | 0 | 255 |
| _ | | _ | Yellow | | |
| 5 | 6 | 7 | Yellow (Linear 0-100%) | 0 | 255 |
| | | | Yellow in 16 bit | | |
| | | 8 | Yellow 16bit adjustment | 0 | 255 |
| | | | Magenta | | |
| 6 | 7 | 9 | Magenta (Linear 0-100%) | 0 | 255 |
| | | | Magenta in 16bit | | |
| | | 10 | Magenta 16 bit adjustment | 0 | 255 |
| | | | СТО | | |
| 7 | 8 | 11 | Linear CTO from high t low | 0 | 255 |
| | | | CTO in 16 bit | | |
| | | 12 | CTO 16 bit adjustment | 0 | 255 |
| | | | Color wheel | | |
| | | | Continuous positioning | | |
| | | | Indexing 0-360° | 0 | 63 |
| | | | Positioning | 0 | 03 |
| | | | White /Color1(X color) | 64 | 67 |
| | | | | | |
| | | | Color 1(X color) | 68 | 71 |
| | | | Color1(X color)/Color2(X color) | 72 | 75 |
| 8 | 9 | 13 | Color2(X color) | 76 | 79 |
| | | | Color2(X color)/Color3(X color) | 80 | 83 |
| | | | Color3(X color) | 84 | 87 |
| | | | Color3(X color)/Color4(X color) | 88 | 91 |
| | | | Color4(X color) | 92 | 95 |
| | | | Color4(X color)/Color5(X color) | 96 | 99 |
| | | | Color5(X color) | 100 | 103 |
| | | | Color5(X color)/Color6(X color) | 104 | 107 |
| | | | Color6(X color) | 108 | 111 |

| | | | Color6(X color)/ Color7(X color) | 112 | 115 |
|----|----|----|---|-----|-----|
| | | | Color7(X color) | 116 | 119 |
| | | | Color7(X color)/White | 120 | 123 |
| | | | Clockwise rainbow effect from slow to fast | 124 | 191 |
| | | | Anti-clockwise rainbow effect from slow to fast | 192 | 255 |
| | | | Color wheel in 16bit | | |
| | 10 | 14 | Color wheel continuous positioning ,16bit adjustment | 0 | 255 |
| | | | Iris | | |
| 9 | 11 | 15 | Linear iris from big to small | 0 | 255 |
| | | | Iris in 16bit | | |
| | | 16 | Iris 16 bit adjustment | 0 | 255 |
| | | | Iris macros | | |
| | | | Disable iris macro | 0 | 10 |
| | | | Iris macro1: Iris from big to small (speed from slow to fast) | 11 | 74 |
| | | | Iris macro2: Iris from small to big (speed from slow to fast) | 75 | 138 |
| 10 | 12 | 17 | Iris macro3: Iris contracts from slow to fast | 139 | 202 |
| 10 | 12 | 17 | Iris macro4(Macro1 at random) (from slow to fast) | 203 | 202 |
| | | | Iris macro5(Macro2 at random) (from slow to fast) | 203 | 218 |
| | | | | | 226 |
| | | | Iris macro 6(Macro3 at random) (from slow to fast) | 219 | |
| | | | Open | 227 | 255 |
| | | | Fixed gobo wheel | 0 | 1.5 |
| | | | White | 0 | 15 |
| | | | Gobol Colonia | 16 | 31 |
| | | | Gobo2 | 32 | 47 |
| | | | Gobo3 | 48 | 63 |
| | | | Gobo4 | 64 | 79 |
| | | | Gobo5 | 80 | 95 |
| | | | Gobo6 | 96 | 111 |
| 11 | 13 | 18 | Gobo7 | 112 | 127 |
| | | | Clockwise rotation from slow to fast | 128 | 149 |
| | | | Anti-clockwise rotation from slow to fast | 150 | 171 |
| | | | Gobol shakes from slow to fast | 172 | 183 |
| | | | Gobo2 shakes from slow to fast | 184 | 195 |
| | | | Gobo3 shakes from slow to fast | 196 | 207 |
| | | | Gobo4shakes from slow to fast | 208 | 219 |
| | | | Gobo5shakes from slow to fast | 220 | 231 |
| | | | Gobo6shakes from slow to fast | 232 | 243 |
| | | | Gobo7shakes from slow to fast | 244 | 255 |
| | | | Rotating gobo wheel 1 | | |
| | | | White | 0 | 31 |
| 12 | 14 | 19 | Gobo1 | 32 | 47 |
| 12 | | | Gobo2 | 48 | 63 |
| | | | Gobo3 | 64 | 79 |
| | | | Gobo4 | 80 | 95 |

| Gobo5 96 Gobo6 112 Clockwise rotation from slow to fast 128 Anti-clockwise rotation from slow to fast 144 Gobo1 shakes from slow to fast 160 Gobo2 shakes from slow to fast 176 Gobo3 shakes from slow to fast 192 Gobo4shakes from slow to fast 208 Gobo5shakes from slow to fast 224 Gobo6shakes from slow to fast 240 Gobo rotation 1 Indexing 0-360° 0 Stop 128 Arti-Clockwise rotation from slow to fast 120 Arti-Clockwise rotation from slow to fast 120 | 143 159 175 191 207 |
|---|---------------------------------|
| Clockwise rotation from slow to fast 128 | 143 159 175 191 207 |
| Anti-clockwise rotation from slow to fast Gobo1 shakes from slow to fast Gobo2 shakes from slow to fast 176 Gobo3 shakes from slow to fast 192 Gobo4shakes from slow to fast 208 Gobo5shakes from slow to fast 224 Gobo6shakes from slow to fast 224 Gobo rotation 1 Indexing 0-360° Stop 128 | 159 175 191 207 |
| Gobo1 shakes from slow to fast 160 | 175 191 207 |
| Gobo2 shakes from slow to fast 176 | 191 207 |
| Gobo3 shakes from slow to fast 192 | 207 |
| Gobo4shakes from slow to fast 208 | |
| Gobo5shakes from slow to fast 224 | 223 |
| Gobo6shakes from slow to fast 240 | |
| Gobo rotation 1 Indexing 0-360° 0 Stop 128 | |
| Indexing 0-360° 0 Stop 128 | 255 |
| Stop 128 | |
| 13 15 20 | 127 |
| A4: C1-1 | 128 |
| Anti-Clockwise rotation from slow to fast 129 | 188 |
| Stop 189 | 195 |
| clockwise rotation from slow to fast 196 | 255 |
| Gobo rotation 1 in 16bit | |
| Gobo rotation 1 16 bit adjustment 0 | 255 |
| Rotating gobo wheel 2 | |
| White 0 | 31 |
| Gobo1 32 | 47 |
| Gobo2 48 | 63 |
| Gobo3 64 | 79 |
| Gobo4 80 | 95 |
| Gobo 5 96 | 111 |
| Gobo6 112 | 127 |
| 14 17 22 Clockwise rotation from slow to fast 128 | 143 |
| Anti-clockwise rotation from slow to fast 144 | 159 |
| Gobo 1 shakes from slow to fast 160 | 175 |
| Gobo2 shakes from slow to fast 176 | 191 |
| Gobo3 shakes from slow to fast 192 | 207 |
| Gobo4shakes from slow to fast 208 | 223 |
| Gobo5shakes from slow to fast 224 | 239 |
| Gobo6shakes from slow to fast 240 | 255 |
| Gobo rotation 2 | |
| Indexing 0-360° 0 | 127 |
| Stop 128 | 128 |
| 15 18 23 Clockwise rotation from slow to fast 129 | 188 |
| Stop 189 | 195 |
| Anti-clockwise rotation from slow to fast 196 | 255 |
| Gobo rotation 2 in 16bit | |
| Gobo rotation 216 bit adjustment 0 | 255 |
| 16 20 25 Prism | |

| | | | No | 0 | 16 |
|----|----|----|---|-----|-----|
| | | | Prism in | 17 | 255 |
| | | | Prism rotation | | |
| | | | Prism indexing | 0 | 127 |
| | | | Stop | 128 | 128 |
| 17 | 21 | 26 | Clockwise rotation from slow to fast | 129 | 191 |
| | | | Stop | 192 | 192 |
| | | | Anti-clockwise rotation from slow to fast | 193 | 255 |
| | | | Effect wheel | | |
| 18 | 22 | 27 | No | 0 | 19 |
| | | | Effect wheel in | 20 | 255 |
| | | | Effect wheel rotation | | |
| 19 | 23 | 28 | Clockwise rotation from fast to slow | 0 | 127 |
| | | | Anti-clockwise rotation from slow to fast | 128 | 255 |
| | | | Frost | | |
| 20 | 24 | 29 | Linear frost 0% - 100% | 0 | 255 |
| | | | Focus | | |
| 21 | 25 | 30 | Linear focus | 0 | 255 |
| | | | Focus in 16 bit | | |
| | | 31 | Focus 16 bit adjustment | 0 | 255 |
| | | | Zoom | | |
| 22 | 26 | 32 | Linear Zoom | 0 | 255 |
| | | | Zoom in 16 bit | | |
| | | 33 | Zoom 16 bit adjustment | 0 | 255 |
| | | | Pan | | |
| 23 | 27 | 34 | Pan movement | 0 | 255 |
| | | | Pan in 16 bit | | |
| 24 | 28 | 35 | Pan movement in 16 bit | 0 | 255 |
| | | | Tilt | | |
| 25 | 29 | 36 | Tilt movement | 0 | 255 |
| | | | Tilt in 16 bit | | |
| 26 | 30 | 37 | Tilt movement in 16 bit | 0 | 255 |
| | | | Pan & Tilt speed | | |
| 27 | 31 | 38 | Time mode | 0 | 1 |
| | | | Speed mode (speed from fast to slow) | 2 | 255 |
| | | | Special function | | |
| | | | No function | 0 | 4 |
| | | | Reserved | 5 | 19 |
| | | | The following function must stay in the DMX range for more | | |
| 28 | 32 | 39 | than 5s to activate it | | |
| | | | 2. The lamp can be turned off 5 minutes after it is on, And the | | |
| | | | lamp can be turned on 5 minutes after it is off. | | |
| | | | 3.to turn on or turn off the lamp, keep lamp control-DMX | | |
| | | | control signal as ON | | |

| | Display on | 20 | 24 |
|--|------------------------------|-----|-----|
| | Display off | 25 | 29 |
| | Reserved | 30 | 34 |
| | Lamp power 1200W | 35 | 39 |
| | Lamp power 1400W | 40 | 44 |
| | Reserved | 45 | 89 |
| | Pan and tilt speed mode | 90 | 94 |
| | Pan and tilt time mode | 95 | 99 |
| | Reserved | 100 | 129 |
| | Lamp on | 130 | 139 |
| | Pan and tilt reset | 140 | 149 |
| | Color system reset | 150 | 159 |
| | Gobo wheel reset | 160 | 169 |
| | Dimmer/strobe reset | 170 | 179 |
| | Zoom/Focus/Frost/Prism reset | 180 | 189 |
| | Other (Iris) reset | 190 | 199 |
| | Total reset | 200 | 209 |
| | Reserved | 210 | 229 |
| | Lamp off | 230 | 239 |
| | Reserved | 240 | 255 |
| | | | |

Remark:

- 1. The projector can't be turned on within 5 minutes after the lamp-off.
- 2. Fan error can cause lamp-off.
- 3. "Speed Mode" means Pan and Tilt will move from Point A to Point B at their respective maximum speeds."Time Mode" means both Pan and Tilt will arrive at designated point at the same time. It's advised Time Mode be used if the projector runs circles or in oblique lines.

8.SIGNS ON THE TOUCH SCREEN

| | Lamp Control | | Option Settings |
|----------|-----------------|----|-----------------|
| F | Chinese/English | | Information |
| <u> </u> | Error Messages | 5 | Service |
| | Address | 8= | Operation Mode |
| 5 | Reset | | User Memories |
| Ę Ś | Config Settings | | |

9.ERROR MESSAGE

| Name | Туре | Correction |
|---------------------|-------------------------------|--|
| Pan | Timeout/magnet Sensor/Encoder | Check if wiring, positioning parts and motors are normal |
| Tilt | Timeout/magnet Sensor/Encoder | Check if wiring, positioning parts and motors are normal |
| Cyan | Timeout | Check if wiring, positioning parts and motors are normal |
| Yellow | Timeout | Check if wiring, positioning parts and motors are normal |
| Magenta | Timeout | Check if wiring, positioning parts and motors are normal |
| CT | Timeout | Check if wiring, positioning parts and motors are normal |
| Color Wheel | Timeout | Check if wiring, positioning parts and motors are normal |
| Fixed gobo wheel | Timeout | Check if wiring, positioning parts and motors are normal |
| Rot. Gobo Wheel | Timeout | Check if wiring, positioning parts and motors are normal |
| Rot. GoboRotation | Timeout | Check if wiring, positioning parts and motors are normal |
| Dimmer | Timeout | Check if wiring, positioning parts and motors are normal |
| Prism | Timeout | Check if wiring, positioning parts and motors are normal |
| Prism Rotation | Timeout | Check if wiring, positioning parts and motors are normal |
| Focus | Timeout | Check if wiring, positioning parts and motors are normal |
| Zoom | Timeout | Check if wiring, positioning parts and motors are normal |
| Lamp T Point Fan1 | Error | Check if fan and its wiring are normal |
| Lamp T Point Fan2 | Error | Check if fan and its wiring are normal |
| Head Fan 1 | Error | Check if fan and its wiring are normal |
| Head Fan 2 | Error | Check if fan and its wiring are normal |
| Strobe Fan | Error | Check if fan and its wiring are normal |
| CMY Fan | Error | Check if fan and its wiring are normal |
| Lamp R Point Fan1 | Error | Check if fan and its wiring are normal |
| Lamp R Point Fan2 | Error | Check if fan and its wiring are normal |
| Pan and Tilt Board | Error | Check signal wire |
| Driver Board 1 | Error | Check signal wire |
| Driver Board2 | Error | Check signal wire |
| Driver Board 3 | Error | Check signal wire |
| Driver Board4 | Error | Check signal wire |
| Lamp on | Timeout | Check if he lamp is damaged |
| Lamp Life | Timeout Warning | Replacement of a lamp |
| Lamp Off[Fan Error] | Error | Re-strike a lamp and check if all fans are normal |
| Time IC | Error | |

10.TECHNICAL DATA

ELECTRIC PARAMETERS

Input voltage: $200V\sim240V$ AC, 50/60Hz

Input power: 1800W@220V

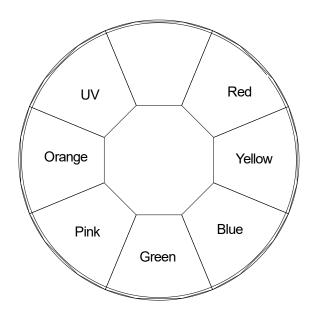
Power factor: PF>0.9

THE SPECIFICATIONS OF THE LIGHT SOURCE(WITH 1400W BALLAST AND IGNITER)

OSRAM: lok-it 1400/PS

Color temperature : 6000K CRI : >95

Lamp stand: single ended Rated life: 750hrs



COLORS

CMY linear mixing system with macros

1 color wheel: 7colors+ Open, Half Color effect,

rainbow effect with bi-directional and variable speeds,

Stepping/linear color changing

CTO

0-100% linear CTO

GOBO

2 Rotating Gobo Wheel: 6 replaceable gobos+ White, Glass or Metal Gobo

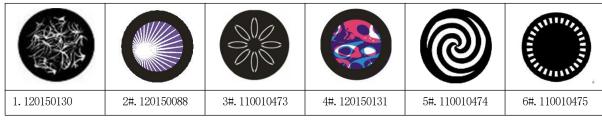
Bi-directional Rotation with variable speeds

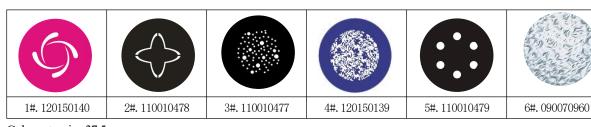
With Indexing Function

Gobo Shake Effect with Variable Speeds

Bi-directional Scrolling with Variable Speeds

Rotating Gobo Wheel 1:

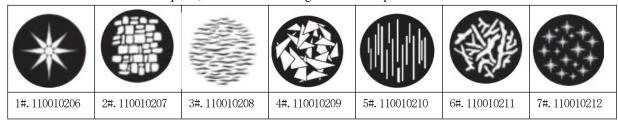




Gobo outer size:37.5mm Gobo image size: 23mm

1 fixed gob wheel: 7 replaceable gobos+ White

Gobo Shake Effect with variable speeds, bi-directional scrolling with variable speeds



Gobo outer size:36.3mm Gobo image size: 23mm

PRISM

1pc of 3 facet prism, Bi-directional rotation with variable speeds and indexing function

FROST

1pc frost filter, linear frost effect

EFFECT WHEEL

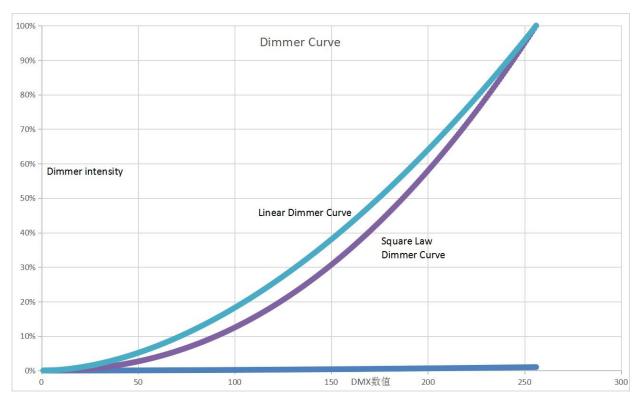
1pc, replaceable, bi-directional rotation with variable speeds

FOCUS

DMX linear Focusing

DIMMER

0-100% Linear adjustment



There are 2 dimming curves: 1. Linear dimming curve; 2. Inverse square law dimming curve. For blackout application, the inverse dimming curve has wider dimming range and is much more smooth.

IRIS

5-100% linear adjustment with macros

STROBE

Double shutter blades, 0.3~25 F.P.S

HEAD MOVEMENT

Pan 540°, Tilt 270° with auto position correction

BEAM ANGLE

linear zoom 6° 55° with 16 bit function

CONTROL

DMX512, 5 pin interfaces

RDM control protocol

28channels in short mode, 32channels in standard mode and 39channels in extended mode

Self-test mode

OTHER FUNCTION

Adjustable Pan & Tilt speed

Lamp and Total hours displayed

Touch screen English and Chinese Display with Contrast and brightness adjustable

Energy saving ballast

Built-in sensor diagnostic system

Input signal isolation

Modular Structure for easy maintenance

Ethernet Interface

DMX512 wireless reciever

DMX512 Transmitter (Optional)

ArtNet and sACN (Optional)

HOUSING

High temperature ABS, IP20

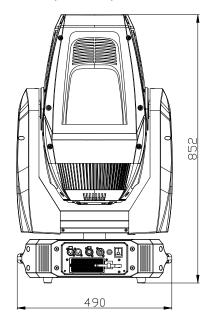
NET WEIGHT

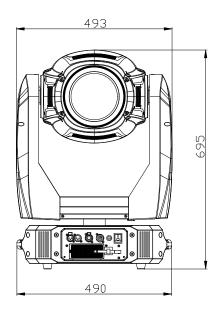
48Kg

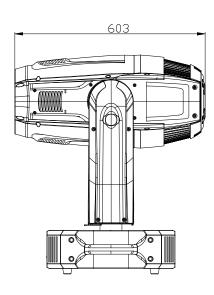
OPERATION TEMPERATURE

Ambient temperature at maximum: 40°C

SIZES: (Unit: m m)

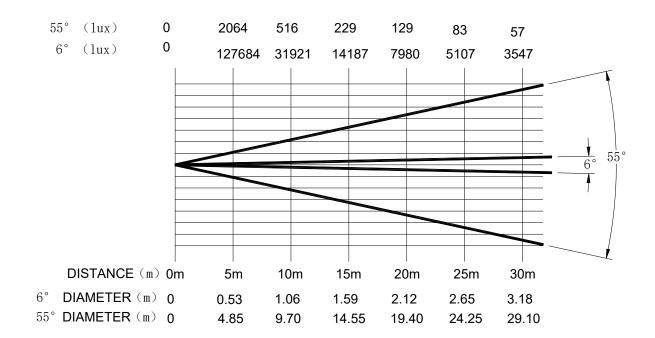




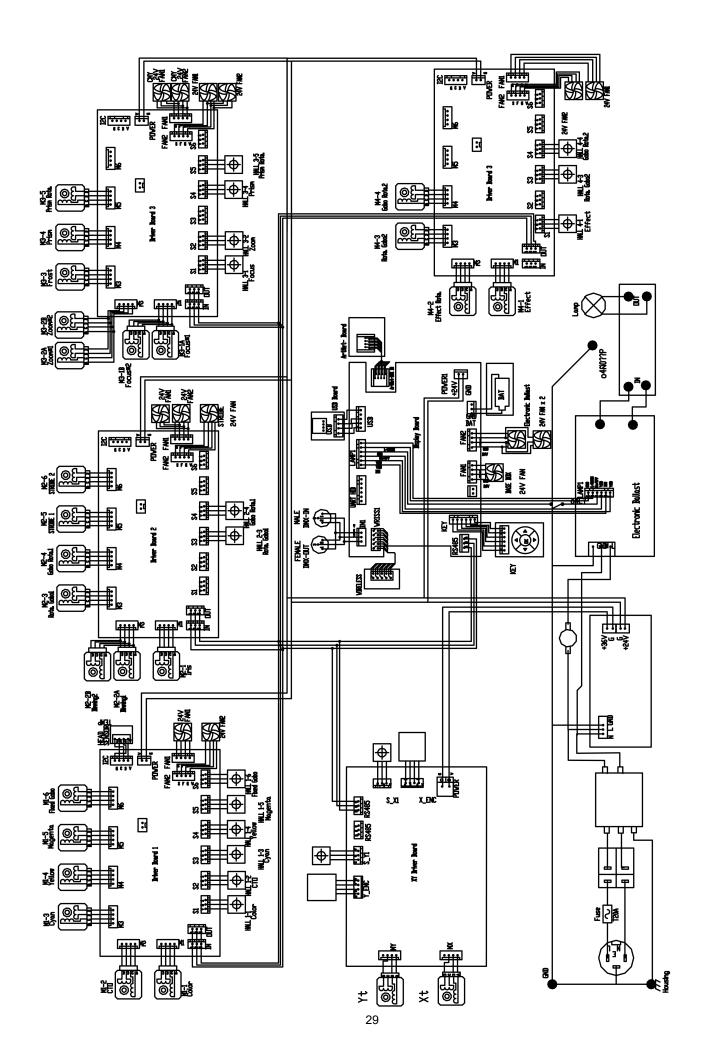


LIGHT OUTPUT:

The light output diagram of 1400W lamp, ballast and igniter



11.CIRCUIT DIAGRAM



12.COMPONENT ORDER CODES

| NAME | CODE NUMBER | QTY | REMARKS |
|-----------------------------|-------------|-----|------------------------|
| POWER SWITCH | 230020689 | 1 | |
| POWER FILTER | 230061131 | 1 | |
| THERMAL SWITCH | 190010206 | 1 | |
| ELECTRONIC BALLAST (1400W) | 040070144 | 1 | |
| IGNITER (1400W) | 100070047 | 1 | LOK-IT! 1400W/PS OSRAM |
| LAMP (OSRAM 1400W) | 040090066A | 1 | |
| TILT BELT | 290151205 | 1 | |
| PAN BELT | 290151207 | 1 | |
| LAMPFAN1 | 030060117 | 2 | |
| LAMPFAN 2 | 030060119 | 2 | |
| HEAD FAN | 030060119 | 2 | |
| STROBE FAN | 030060117 | 1 | |
| CMY FAN | 030060119 | 2 | |
| SIDE FAN | 030060119 | 2 | |
| BASE FAN | 030060121 | 2 | |
| BALLAST FAN | 030069005 | 1 | |
| FOCUS MOTOR | 030040073 | 2 | |
| ZOOM MOTOR | 030040073 | 2 | |
| IRIS MOTOR | 030040088 | 1 | |
| PAN MOTOR | 030040262 | 1 | |
| TILT MOTOR | 030040262 | 1 | |
| STROBE MOTOR | 030040214 | 2 | |
| COLOR WHEEL MOTOR | 030040214 | 1 | |
| PRISM ROTATION MOTOR | 030040220A | 1 | |
| PRISM IN/OUT MOTOR | 030040221 | 1 | |
| ROTATING GOBO WHEEL 1 MOTOR | 030040095 | 1 | |
| GOBO ROTATION 1 MOTOR | 030040220A | 1 | |
| ROTATING GOBO WHEEL 2 MOTOR | 030040095A | 1 | |
| GOBO ROTATION 2 MOTOR | 030040220A | 1 | |
| EFFECT WHEEL IN/OUT MOTOR | 030040221 | 1 | |
| EFFECT WHEEL ROTATION WHEEL | 0300400073D | 1 | |
| FROST MOTOR | 030040221 | 1 | |
| CYM MOTOR | 030040114A | 3 | |
| CTO MOTOR | 030040114A | 1 | |
| DIMMER MOTOR | 030040186 | 2 | |
| FIXED GOBO WHEEL MOTOR | 030040221 | 1 | |

Appendix: SOME ITEMS REQUIRING ATTENTION AS FOR THE USE OF DISCHARGE LAMP

For the effective extension of the lifespan of discharge lamp, some factors impacting its lifespan are specially listed below, based on manufacturing technology and working mechanism of discharge lamps., physical attributions of the lamps including lamp striking theory(ignited by focused high voltage---highly pressurized air broken down and burning---lamp on at high temperature with thermal protection--- stable running) and lamp off theory(lamp off power ---lamp off at high temperature and thermal protection-highly pressurized air vaporizing evenly----completion of lamp off.

- The sequence of lamp striking: Power on→lamp striking by controller(advised not to strike lamp via power on), the sequence of lamp off: lamp off by controller→mains power shut off (advised not to turn off lamp by shutting off mains power)
- 2. Within 1 min after lamp striking, it shouldn't re-strike it frequently. ONLY more than 10 min after the projector is cooled after lamp off, can the lamp be re-stricken again.
- 3. Within 5 min after lamp striking, it can't be turned off. During the lamp striking process, it's forbidden to turn off lamp via shutting off mains power, but via controller. More than 5 min after the projector is cooled after lamp off, can the mains power be shut off.
- 4. The projector is advised not to point to the same point for long time, i.e., it shouldn't be used for long time at a fixed angle.
- 5. The projector is advised not to use double colors for long time, i.e., it shouldn't use 2 or more colors for long time.
- 6. The projector is advised not to keep shutters closed while lamp on for long time, i.e., it should be less than 1 hr after shutters closed after lamp on.
- 7. It is advised not to use lamp half power function for long time.

| 1 | 7 | Э | • | 1 1 | | | т | IN | | 17 | ГΓ | ١. |
|---|---|---|---|-----|------|-----|----|-----|----|----|----|----|
| ı |) | к | | | 1 (1 | r 🗖 | 11 | 117 | ١G | | | , |
| | | | | | | | | | | | | |

1582 Xingye Avenue, Nancun Panyu Guangzhou, 511442 China TEL: +86-20-3995 2888

PR lighting will try its best to offer accurate and overall information about a product's technical data. Any changes won't be notified if necessary. Patented Products. Counterfeiting Will be Prosecuted!

P/N:320020803E Old Version:20230705 New Version:20231116