

XR 1700 WASH/FRAMING

PR-2886

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>

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ACCESSORIES

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

| Name | Quantity | Unit | Remark |
|---------------|----------|------|-----------------|
| G clamps | 2 | Pcs | |
| XLR connector | 1 | Set | Male and female |
| Safety cord | 2 | Pcs | |
| Spare gobos | 4 | Pcs | |
| User manual | 1 | Pc | |
| Ω clamps | 2 | Pcs | Optional |

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 is 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 changes in the user manual won't be with any further 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 the projector. Should there be any damage caused by transportation, consult your dealer and do not use it.

•The manufacture is not responsible for loss caused by the user not following the manual or changing the projector as he/she likes.

•Please be noted that the damage caused by changing the projector at will is not warranted.

•Do not hesitate to contact the dealer or the manufacturer if any questions or advice.



•The projector is for indoor use only, IP20.

•Use only in dry locations. Keep this unit away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids.

•The projector should be kept away from high temperature, fire, electrical surge, vibration and strong light while being operated.

•The projector is only intended for installation, operation and maintenance by qualified personnel. And the operation must strictly follow the procedures in the manual.

•No repairable parts in the projector and do not open covers for maintenance by yourself.



•Don't look straightly into the light sources especially for epileptics, otherwise eyes will be burned..

•Do not connect this device to any type of dimmer pack.

•After lamp switched on, the minimum distance between the projector and illuminated surface is 10m.

•lens and other optical parts shall be replaced immediately if they have deformed or been damaged, otherwise the light output will be compromised.



•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.



•Any electrical connection must be carried out by a qualified person .

•Before installation, please confirm the voltage supplied matches what is required for the 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 the 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.

•While being operated, the projector should not be under rains or in humidity.

•Do not switch on and off the 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 the projector is disconnected from power mains.



- After running for 30minutes, the temperature of the housing of the projector is 45°C.After stable operation , its temperature is 80°C.
- While the lamp is stricken for the first time, there will be smoke and strange smell. It's normal and does not mean the projector has some defects.



- Do not mount the projector directly on inflammable surface.
- Do not project the beam straightly on combustibile items and the minimum distance between the projector and illuminated items is 10m.
- A projector should be installed with good ventilation and the minimum distance between the projector and walls is 50cm. At the same time, please ensure the fans and air inlets and outlets are workable.



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

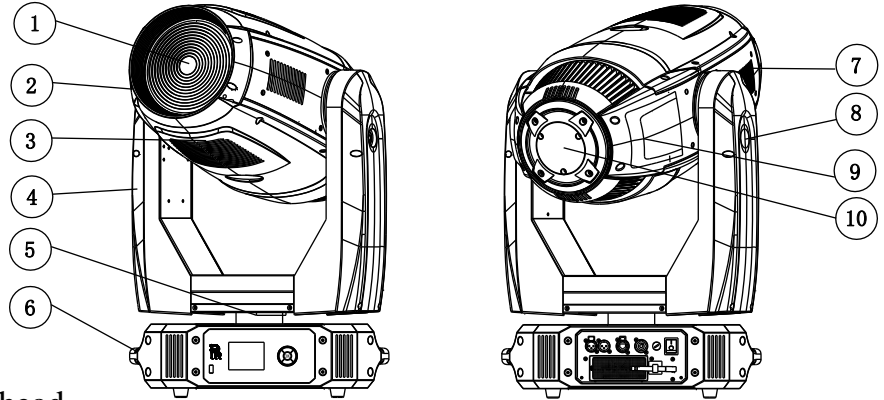
To ensure smooth movement of gobos and zoom and focus lens, it's advised rotators' bearings and 2 sliding bars for zoom and focus lens be lubricated every 2 months. High quality and high temperature lubricant/grease is advised..

•TROUBLESHOOTING(Details vary with different projectors)

| PROBLEM | ACTION |
|--|--|
| The projector doesn't switch on | <ul style="list-style-type: none"> ➢ Check the fuse on the power socket. ➢ Check the lamp. |
| The lamp is on but the projector doesn't respond to the controller | <ul style="list-style-type: none"> ➢ Make sure that the fixture's start address is right ➢ Replace or repair the XLR signal cable. |
| The projector functions intermittently | <ul style="list-style-type: none"> ➢ Make sure the fan is working well or fans and their shields are not blocked |
| Beam appears dim, Low in brightness | <ul style="list-style-type: none"> ➢ Make sure the lamp is within its lifespan ➢ Remove dust or grease from the lenses. |
| The project image appears to have a halo | <ul style="list-style-type: none"> ➢ Carefully clean the lamp, optical lenses and other components. |
| Heavily Defective Beam | <ul style="list-style-type: none"> ➢ Check if lens are in good condition(not cracked) ➢ Clean dust or grease on the lens. |

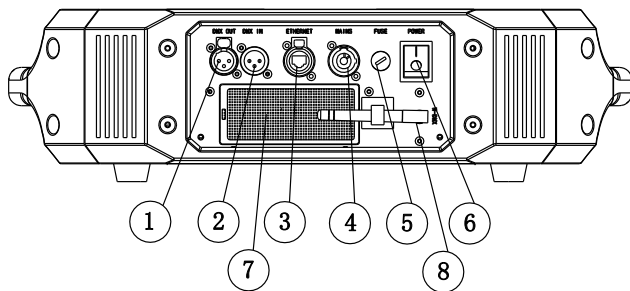
3. APPEARANCE

- ① Fresnel lens
- ② Front Cover of the head
- ③ front and back covers of the head
- ④ U arm cover
- ⑤ Pan Lock
- ⑥ handle in the base
- ⑦ Front side cover of the head
- ⑧ Tilt lock
- ⑨ Back side cover of the head
- ⑩ lamp cove



During transportation, the head should be locked-Pan lock (5) and Tilt Lock(6) should be in LOCK position. Before operation, both need to be unlocked.

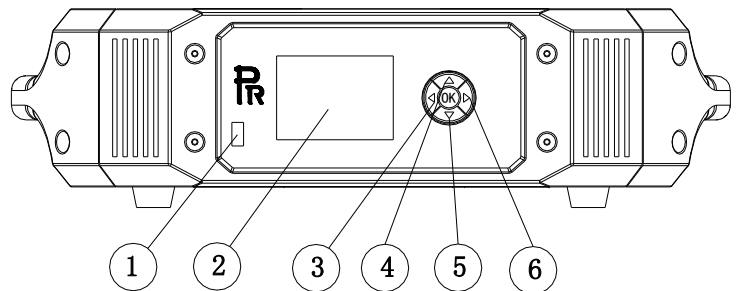
Back panel of the base



- ① 3-pin XLR socket(Female)
- ② 3-pin XLR socket(Male)
- ③ Ethernet Port
- ④ Power socket
- ⑤ Fuse holder
- ⑥ Power switch
- ⑦ Air inlet
- ⑧ Wireless Receiver(Only for the lighting fixture with wireless control function)

Front panel of the base

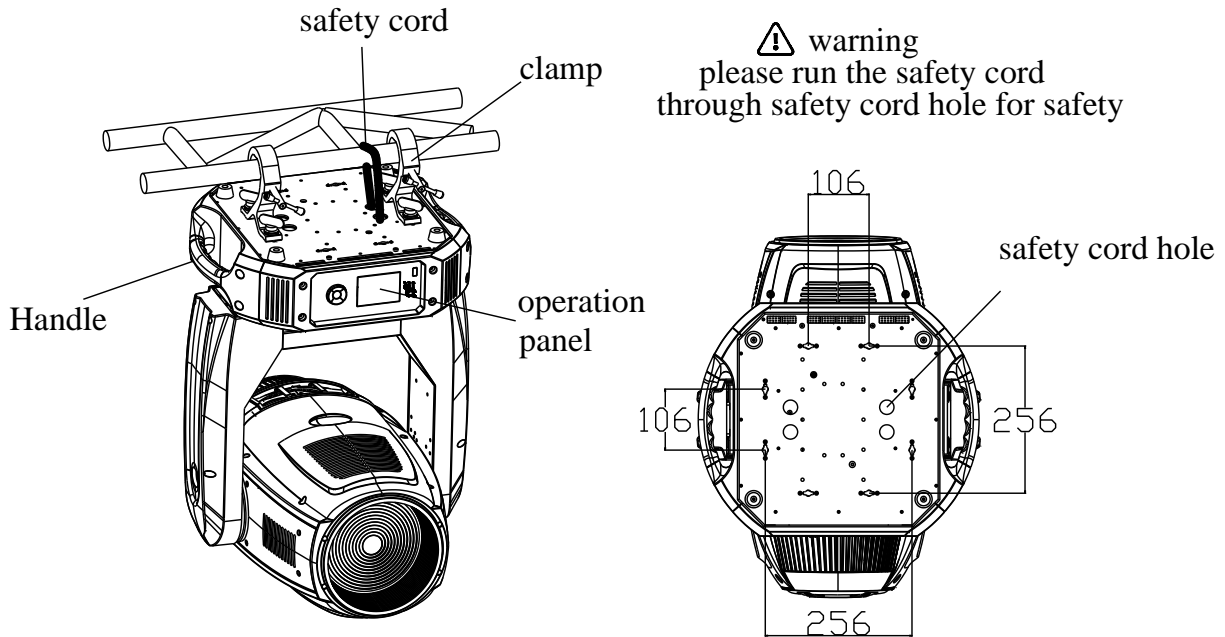
- ① USB interface
- ② Touch screen
- ③ Escape key/ left key
- ④ up key
- ⑤ down key
- ⑥ right key



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.



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 a XR 1000 Framing.



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

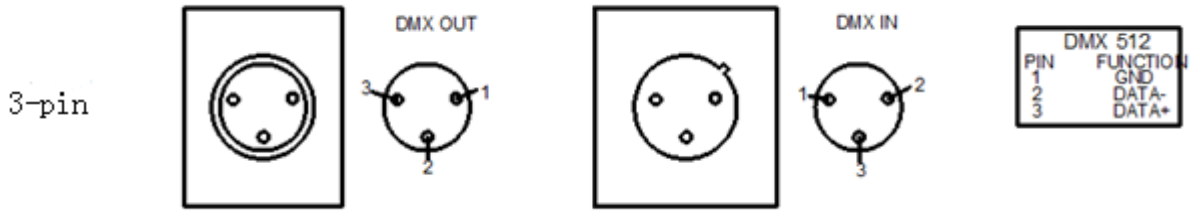
Before power connection, please ensure the power supplied must match what the nameplate says. It is recommended that each projector be connected with power separately so that they may be individually switched on and off.

Note: If projectors are connected in series, please connect POWERIN port of the 1st projector with the Power Mains, then connect its POWER OUT with POWER IN of the 2nd projector, and so on till all fixtures are connected. If the voltage supplied is 200V-240V, the maximum projectors connected is 8pcs, if it is 100V-120V, the maximum is 4pcs. The diameter of the cores of the wires for the Power in/out cables must be equal or bigger than 2.5mm².



- 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.

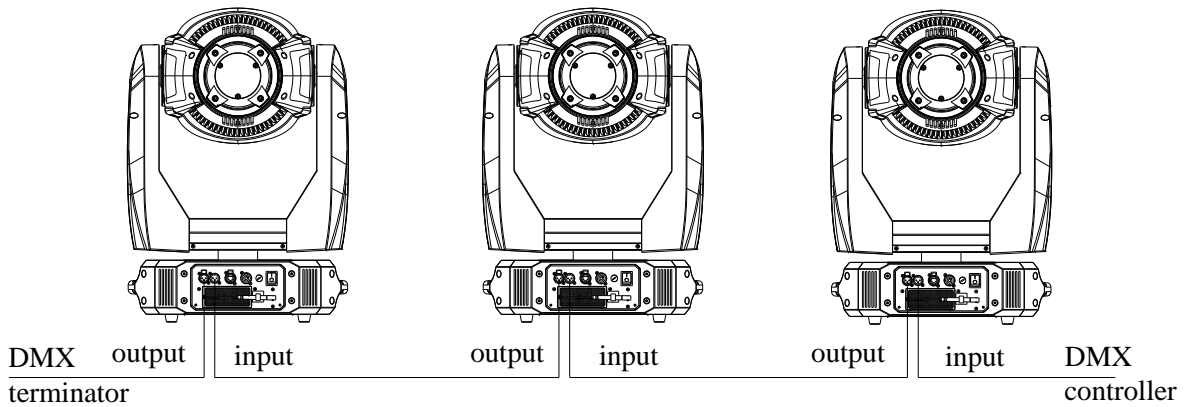
.DMX CONTROL CONNECTION:



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 3 pin (which are included with the projector) or 3 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 projector accepts digital control signals in protocol DMX512 (1990).

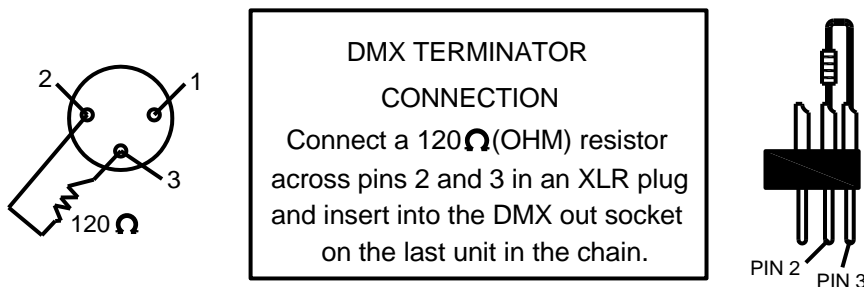
Connect the controller's DMX output to the first fixture's DMX input, and connect the first fixture's DMX output to the second fixture's DMX input and connect the rest fixtures in the same way. Eventually connect the last fixture's DMX output to a DMX terminator as shown in the figure below.



.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.



.ALIGNMENT/INSTALLATION/REPLACEMENT OF A LAMP

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

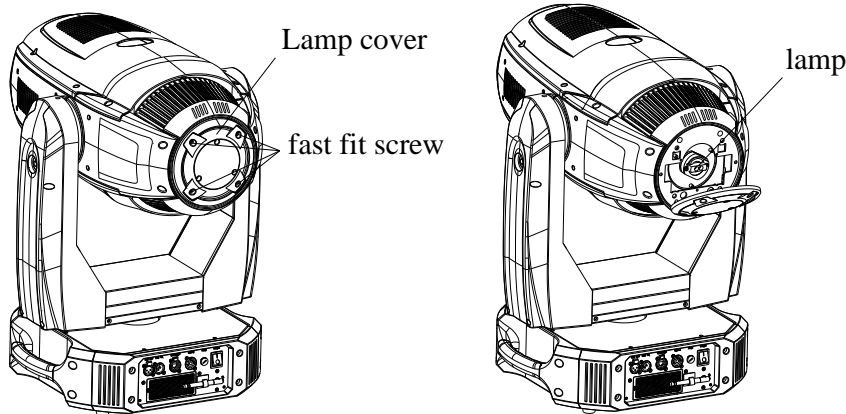
Lock Tilt in the figure below and open the lamp cover after its 4 screws are loosened.

After removal of the lamp cover, turn the lamp anti-clockwise and take it out of the ceramic stand..

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

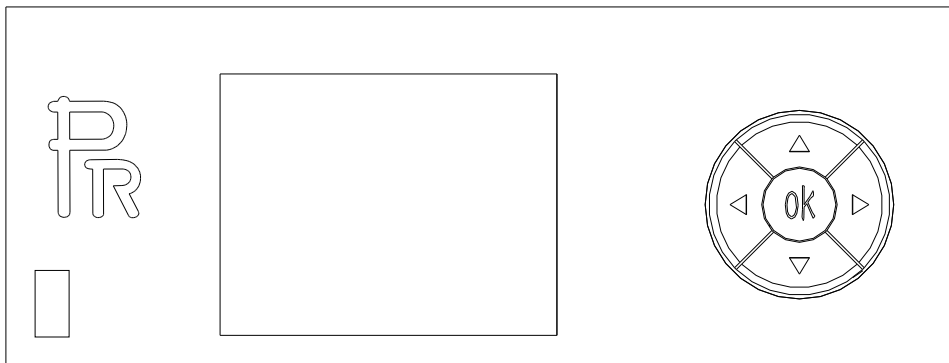
Important: The unit uses high voltage discharge lamp with external igniter(△). While using the lamp, please carefully read "INSTRUCTIONS" packed with the lamp.



- 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

5. SETUP AND CONFIGURATION

•FRONT PANEL OPERATION



The projector configuration can be set conveniently via push buttons and color touch screen.

To browse through or change the projector 's settings, touch the white area of the touch screen or press OK button for more than 3s(Only powered by the battery, pressing the OK button) to unlock the screen , then press key to enter the projector 's function menus. Each main menu has its sub-menus. And each menu stands for special function. For the details, please see the following 6th point "Operation Menu":.

1. At the page to set the fixture's functions, press , , , keys or their respective icons to select the functions desired.
2. While at 2nd, 3rd and 4th level of menus, the key is for ESCAPE, but key won't work, and key is used for ENTER. Press key to save the changes or enter into the sub menus. Press or keys to change the numbers(minus or plus). Or touch the option needed for change.

Shortcut keys: After the Function Menu is entered into, there are all options for the functions on the top of the screen. On the right there are 4 shortcut keys like , Lamp Control and English/Chinese.

•DMX START ADDRESS

Each projector 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 projector has 3DMX modes. There are standard mode ,short mode and extended mode. For example standard mode has 30 channels, so set the No. 1 projector's address 001, No. 2 projector's address 031, No. 3 projector's address 061, No. 4 projector's address 091, and so on.

Switch on the Projector . Press **OK** key more than 3 seconds to unlock panel, then press **▶** key to enter into the fixture's operation menus.

Select DMX Address icon and press OK key or touch the icon directly on the display and select DMX address at the 2nd level menu for the address setting.

Press **▲** or **▼** keys or touch < , > displayed for the DMX address desired.

Press OK key to confirm.

Press the **◀** key to go back to the upper level menu.

•DMX WIRELESS CONTROL

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

The setup of it is below:

1. Press **OK** for more than 3s to unlock the control panel, then press **▶** key to enter into the operation menu and select "Config Settings".
2. Select "Wireless First" or "Wireless Only" from the menu of "Signal Select".

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 Un-link Wireless under the upper level menu of Config Settings , then the fixture is unlinked with the wireless transmitter.

•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.

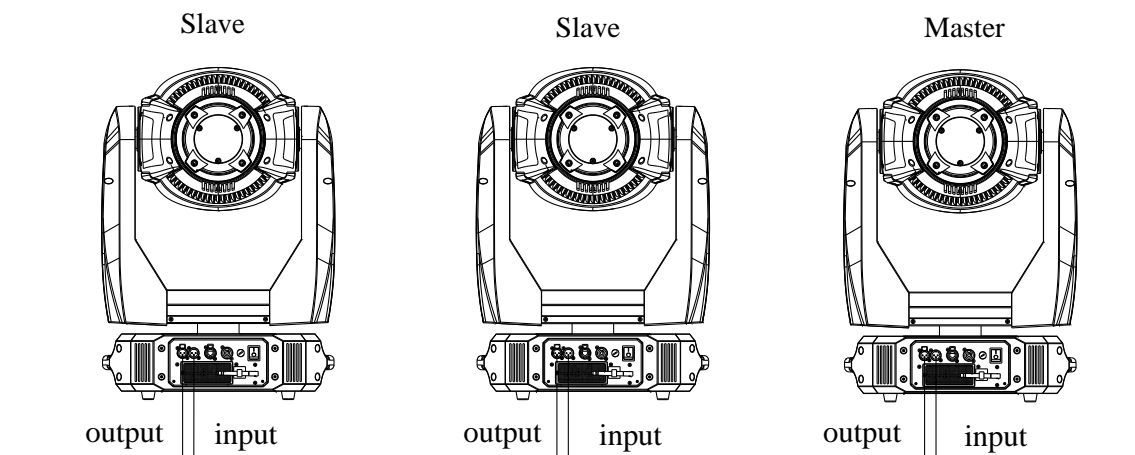
DMX address can be set at any number within 512.

•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 projectors 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



•FIRMWARE UPGRADE VIA USB DISK

Copy the upgrade .PRS file to USB disk and plug it into USB disk interface. Under the menu of service\USB update software, you can see the upgrade file, or select the upgrade PRS file under the folder ,at last press update menu. Then the system will display *Please waiting.....* , which means the file is been copying to the system. After that, enter into Bootloader interface and countdown 10 seconds. Within 10 seconds, press UP and DOWN keys together, Software update interface will be entered into. During the update, the power mustn't be interrupted. Otherwise, it won't enter into the interface.

6. OPERATION MENU

| 1st LEVEL | 2nd LEVEL | 3rd LEVEL | 4th LEVEL | 5th LEVEL | |
|-----------------|---------------------|---------------------|-----------------|-----------------|--|
| Address | DMX Address | 1-482 | | | |
| | IP Address | Default IP Address | 2.X.XX /10.X.XX | | |
| | | Custom IP Address | X.X.XX | | |
| | SubNet Mask | X.X.XX | | | |
| | ArtNet Universe | 0-255 | | | |
| Reset | Total Reset | Really Reset? | | | |
| | Pan&Tilt Reset | Really Reset? | | | |
| | Colour System Reset | Really Reset? | | | |
| | Dimmer/Strobe reset | Really Reset? | | | |
| | Zoom & focus reset | Really Reset? | | | |
| | Other reset | Really Reset? | | | |
| Config Settings | DMX Channel Mode | Short Mode | | | |
| | | Standard Mode | | | |
| | | Extended Mode | | | |
| | | View Selected Mode | | | |
| | Lamp Control | Lamp Control | | OFF/ ON | |
| | | On By Power On | | OFF/ ON | |
| | | Control By DMX | | OFF/ ON | |
| | | Lamp Power(W) | | 1500/ 1700 | |
| | Signal Select | XLR Only | | | |
| | | XLR First | | | |
| | | Wireless Only | | | |
| | | Wireless First | | | |
| | | Wireless In/XLR Out | | | |
| | | ArtNet Only | | | |
| | | ArtNet In/ XLR Out | | | |
| | Loss of DMX | Normal time out | | | |
| | | Hold Last Value | | | |
| | Display Config | Display Mode | | Off After Delay | |
| | | | | On Always | |
| | | Display Invert | | Invert OFF | |
| | | | | Invert ON | |
| | | | | Invert Auto | |
| | | Language Setting | | English | |
| | | | | Chinese | |
| | | Touch Calibration | | | |
| | Temperature Unit | Celsius Degree | | | |
| | | Fahrenheit Degree | | | |
| | Un-Link Wireless | Really Un-Link? | | | |
| | Defaults | Restore Defaults? | | | |
| | Option Settings | Pan/Tilt Settings | Pan DMX Invert | OFF/ ON | |
| | | | Tilt DMX Invert | OFF/ ON | |
| | | | Pan Tilt Swap | OFF/ ON | |
| | | | XY Feedback | OFF/ ON | |
| Pan/Tilt mode | | | Speed/Time | | |

| | | | | |
|------------------|------------------------|---|----------------------------|------------|
| | Invert Settings | Dimmer Invert | OFF/ ON | |
| | | Zoom Invert | OFF/ ON | |
| | | CYM Invert | OFF/ ON | |
| | | CTO Invert | | |
| | Dimmer Curve | Linear/ Square Law | | |
| Defaults | Restore Defaults? | Conirm/Candle | | |
| Information | View DMX Values | | | |
| | Lamp Hours | Reset Lamp Hours | | |
| | Total Hours | | | |
| | Temperature | Display Board XX°C/F | | |
| | | Pan and Tilt Board XX°C/F | | |
| | | Driver Board 1 XX°C/F | | |
| | | Driver Board 2 XX°C/F | | |
| | | Driver Board 3 XX°C/F | | |
| | | Head Sensor XX°C/F | | |
| | Software Version | Display Board | Sys= XXX Boot =XXX | |
| | | Pan and Tilt Board | Sys= XXX Boot =XXX | |
| | | Driver Board 1 | Sys= XXX Boot =XXX | |
| | | Driver Board 2 | Sy= XXX Boot =XXX | |
| Driver Board 3 | | Sy= XXX Boot =XXX | | |
| Electronic SN | | | | |
| RDM Device Label | | | | |
| Fan Status | | | | |
| Service | Manual Effect Control | Strobe XXX | | |
| | | Dimmer XXX | | |
| | | ... | Tilt XXX | |
| | USB Update Software | | | |
| | Factory Test | | | |
| Operation Mode | DMX Mode | Change Operation Mode? | | |
| | Master Mode | Preset Memory | Change Operation Mode? | |
| | | User Memory 1 | Change Operation Mode? | |
| | | User Memory 2 | Change Operation Mode? | |
| | Stand-Alone Mode | Preset Memory | Change Operation 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 Scenes) | Strobe XXX |
| | | | | Dimmer XXX |
| | | | | ... |
| | | Delay Time XXX | | |
| | | Delay Unit | | |
| | | Link To Step XXX | | |
| | Init User Memory | Edit Static Scene | Strobe XXX | |
| | | | Dimmer XXX | |
| | | | ... | |
| Init User Memory | Reset User Memory 1 | Reset User Memory? | | |
| | Reset User Memory 2 | Reset User Memory? | | |
| | Reset Static Scene | Reset Static Scene? | | |

Remarks:

1. "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.

2.While *Normal Time Out* and with DMX signal, if the signal doesn't exist for more than 10 minutes, the lighting fixture will be automatically turned of with lamp-off, dead motors and fans.

7.DMX PROTOCOL

| Basic mode | Standard mode | Extended mode | Function Description | Decimal Low | Decimal High |
|-----------------|---------------|---------------|--|-------------|--------------|
| 1 | 1 | 1 | Strobe | | |
| | | | Close(Lamp Switches to 1200 watt mode after shutter is closed for 5 seconds) | 0 | 10 |
| | | | Open | 11 | 25 |
| | | | Strobe speed from slow to fast | 26 | 225 |
| | | | Macro(Random strobe speed slow to fast) | 226 | 246 |
| | | | Open | 247 | 255 |
| 2 | 2 | 2 | Dimmer | | |
| | | | Close | 0 | 0 |
| | | | Dimmer from dark to light (0-100%) | 1 | 255 |
| | 3 | 3 | Dimmer Fine | | |
| | | | Fine dimmer | 0 | 255 |
| 3 | 4 | 4 | CYM Macro | | |
| | | | The following functions can be used after CMY,CTO, Color Wheel1 and Color Wheel2 channels are disabled | | |
| | | | No Function | 0 | 7 |
| | | | Colour Macro 1 | 8 | 9 |
| | | | Colour Macro 2 | 10 | 11 |
| | | | Colour Macro 3 | 12 | 13 |
| | | | Colour Macro 4 | 14 | 15 |
| | | | Colour Macro 5 | 16 | 17 |
| | | | Colour Macro 6 | 18 | 19 |
| | | | Colour Macro 7 | 20 | 21 |
| | | | Colour Macro 8 | 22 | 23 |
| | | | Colour Macro 9 | 24 | 25 |
| | | | Colour Macro 10 | 26 | 27 |
| | | | Colour Macro 11 | 28 | 29 |
| | | | Colour Macro 12 | 30 | 31 |
| | | | Colour Macro 13 | 32 | 33 |
| | | | Colour Macro 14 | 34 | 35 |
| | | | Colour Macro 15 | 36 | 37 |
| | | | Colour Macro 16 | 38 | 39 |
| | | | Colour Macro 17 | 40 | 41 |
| | | | Colour Macro 18 | 42 | 43 |
| | | | Colour Macro 19 | 44 | 45 |
| | | | Colour Macro 20 | 46 | 47 |
| Colour Macro 21 | 48 | 49 | | | |
| Colour Macro 22 | 50 | 51 | | | |

| | | |
|--------------------------------|-----|-----|
| Colour Macro 23 | 52 | 53 |
| Colour Macro 24 | 54 | 55 |
| Colour Macro 25 | 56 | 57 |
| Colour Macro 26 | 58 | 59 |
| Colour Macro 27 | 60 | 61 |
| Colour Macro 28 | 62 | 63 |
| Colour Macro 29 | 64 | 65 |
| Colour Macro 30 | 66 | 67 |
| LEE colour swatches LEE | | |
| LEE 4 (Medium Bastard Amber) | 68 | 69 |
| LEE 10 (Medium Yellow) | 70 | 71 |
| LEE 19 (Fire) | 72 | 73 |
| LEE 26 (Bright Red) | 74 | 75 |
| LEE 58 (Lavender) | 76 | 77 |
| LEE 68 (Sky Blue) | 78 | 79 |
| LEE 71 (Tokyo Blue) | 80 | 81 |
| LEE 79 (Just Blue) | 82 | 83 |
| LEE 88 (Lime Green) | 84 | 85 |
| LEE 90 (Dark Yellow Green) | 86 | 87 |
| LEE 100 (Spring Yellow) | 88 | 89 |
| LEE 101 (Yellow) | 90 | 91 |
| LEE 102 (Light Amber) | 92 | 93 |
| LEE 103 (Straw) | 94 | 95 |
| Lee 104 (Deep Amber) | 96 | 97 |
| LEE 105 (Orange) | 98 | 99 |
| LEE 106 (Primary Red) | 100 | 101 |
| LEE 111 (Dark Pink) | 102 | 103 |
| LEE 115 (Peacock Blue) | 104 | 105 |
| LEE 116 (Medium Blue-Green) | 106 | 107 |
| LEE 117 (Steel Blue) | 108 | 109 |
| LEE 118 (Light Blue) | 110 | 111 |
| LEE 119 (Dark Blue) | 112 | 113 |
| LEE 120 (Deep Blue) | 114 | 115 |
| LEE 121 (LEE Green) | 116 | 117 |
| LEE 128 (Bright Pink) | 118 | 119 |
| LEE 131 (Marine Blue) | 120 | 121 |
| LEE 132 (Medium Blue) | 122 | 123 |
| LEE 134 (Golden Amber) | 124 | 125 |
| LEE 135 (Deep Golden Amber) | 126 | 127 |
| LEE 136 (Pale Lavender) | 128 | 129 |
| LEE 137 (Special Lavender) | 130 | 131 |
| LEE 138 (Pale Green) | 132 | 133 |
| LEE 139 (Primary Green) | 134 | 135 |
| LEE 141 (Bright Blue) | 136 | 137 |

| | | | | | |
|---|---|----|-------------------------------------|-----|-----|
| | | | LEE 147 (Apricot) | 138 | 139 |
| | | | LEE 148 (Bright Rose) | 140 | 141 |
| | | | LEE 152 (Pale Gold) | 142 | 143 |
| | | | LEE 154 (Pale Rose) | 144 | 145 |
| | | | LEE 157 (Pink) | 146 | 147 |
| | | | LEE 158 (Deep Orange) | 148 | 149 |
| | | | LEE 162 (Bastard Amber) | 150 | 151 |
| | | | LEE 164 (Flame Red) | 152 | 153 |
| | | | LEE 165 (Daylight Blue) | 154 | 155 |
| | | | LEE 169 (Lilac Tint) | 156 | 157 |
| | | | LEE 170 (Deep Lavender) | 158 | 159 |
| | | | LEE 172 (Lagoon Blue) | 160 | 161 |
| | | | LEE 179 (Chrome Orange) | 162 | 163 |
| | | | LEE 180 (Dark Lavender) | 164 | 165 |
| | | | LEE 181 (Congo Blue) | 166 | 167 |
| | | | LEE 197 (Alice Blue) | 168 | 169 |
| | | | LEE 201 (Full C.T. Blue) | 170 | 171 |
| | | | LEE 202 (Half C.T. Blue) | 172 | 173 |
| | | | LEE 203 (Quarter C.T. Blue) | 174 | 175 |
| | | | LEE 204 (Full C.T. Orange) | 176 | 177 |
| | | | LEE 205 (Half C.T. Orange) | 178 | 179 |
| | | | LEE 206 (Quarter C.T. Orange) | 180 | 181 |
| | | | LEE 247 (LEE Minus Green) | 182 | 183 |
| | | | LEE 248 (Half Minus Green) | 184 | 185 |
| | | | LEE 281 (Three Quarter C.T. Blue) | 186 | 187 |
| | | | LEE 285 (Three Quarter C.T. Orange) | 188 | 189 |
| | | | LEE 352 (Glacier Blue) | 190 | 191 |
| | | | LEE 353 (Lighter Blue) | 192 | 193 |
| | | | LEE 715 (Cabana Blue) | 194 | 195 |
| | | | LEE 778 (Millennium Gold) | 196 | 197 |
| | | | LEE 793 (Vanity Fair) | 198 | 199 |
| | | | CMY colour mixing from slow to fast | 200 | 255 |
| 4 | 5 | 5 | Cyan | | |
| | | | Cyan (Linear 0-100%) | 0 | 255 |
| | | 6 | Cyan Fine | | |
| | | | Cyan in 16 Bit precision | 0 | 255 |
| 5 | 6 | 7 | Yellow | | |
| | | | Yellow (Linear 0-100%) | 0 | 255 |
| | | 8 | Yellow Fine | | |
| | | | Yellow in 16 Bit precision | 0 | 255 |
| 6 | 7 | 9 | Magenta | | |
| | | | Magenta (Linear 0-100%) | 0 | 255 |
| | | 10 | Magenta Fine | | |
| | | | Magenta in 16 Bit precision | 0 | 255 |

| | | | | | |
|--|-----|-----|--|-----|-----|
| 7 | 8 | 11 | CTO | | |
| | | | Linear adjust from high to low | 0 | 255 |
| | | 12 | CTO Fine | | |
| | | | CTO in 16 Bit precision | 0 | 255 |
| 8 | 9 | 13 | Colour Wheel 1 | | |
| | | | Continual positioning | | |
| | | | index 0-360 ° | 0 | 63 |
| | | | positioning | | |
| | | | White | 64 | 67 |
| | | | White/colour 1(Red) | 68 | 71 |
| | | | Colour 1(Red) | 72 | 75 |
| | | | Colour 1(Red)/colour 2(Yellow) | 76 | 79 |
| | | | Colour 2(Yellow) | 80 | 83 |
| | | | Colour 2(Yellow)/colour 3(Blue) | 84 | 87 |
| | | | Colour 3(Blue) | 88 | 91 |
| | | | Colour 3(Blue)/colour 4(Green) | 92 | 95 |
| | | | Colour 4(Green) | 96 | 99 |
| | | | Colour 4(Green)/colour 5(Pink) | 100 | 103 |
| | | | Colour 5(Pink) | 104 | 107 |
| | | | Colour 5 (Pink)) /colour 6 (Orange) | 108 | 111 |
| | | | Colour 6(Orange) | 112 | 115 |
| | | | Colour 6(Orange)/ Colour 7(UV) | 116 | 119 |
| | | | Colour 7(UV) | 120 | 123 |
| | | | Colour 7(UV)/white | 124 | 127 |
| Rainbow rotation speed from slow to fast | 128 | 191 | | | |
| Rainbow reverse rotation speed from slow to fast | 192 | 255 | | | |
| | 10 | 14 | Colour Wheel 1 Fine | | |
| | | | Colour Continual positioning in 16 Bit precision | 0 | 255 |
| 9 | 11 | 15 | Colour Wheel 2 | | |
| | | | Continual positioning | | |
| | | | index 0-360 ° | | |
| | | | positioning | | |
| | | | White | 64 | 67 |
| | | | White/colour 1(Depp Red) | 68 | 71 |
| | | | Colour 1(Deep Red) | 72 | 75 |
| | | | Colour 1(Depp Red)/colour 2(Deep Magenta) | 76 | 79 |
| Colour 2(Deep Magenta) | 80 | 83 | | | |

| | | | | | |
|----|-----------|-----------|--|-----|-----|
| | | | Colour 2(Deep Magenta)/colour 3(Light Magenta) | 84 | 87 |
| | | | Colour 3(Light Magenta) | 88 | 91 |
| | | | Colour 3(Light Magenta)/colour 4(Light Yellow) | 92 | 95 |
| | | | Colour 4(Light Yellow) | 96 | 99 |
| | | | Colour 4(Light Yellow)/colour 5(Light Green) | 100 | 103 |
| | | | Colour 5(Light Green) | 104 | 107 |
| | | | Colour 5 (Light Green)) /colour 6 (Deep Cyan) | 108 | 111 |
| | | | Colour 6(Deep Cyan) | 112 | 115 |
| | | | Colour 6(Deep Cyan)/ Colour 7(Light Cyan) | 116 | 119 |
| | | | Colour 7(Light Cyan) | 120 | 123 |
| | | | Colour 7 Light Cyan/white | 124 | 127 |
| | | | Rainbow rotation speed from slow to fast | 128 | 191 |
| | | | Rainbow reverse rotation speed from slow to fast | 192 | 255 |
| | 12 | 16 | Colour Wheel 1 Fine | | |
| | | | Colour Continual positioning in 16 Bit precision | 0 | 255 |
| | | | Open | 0 | 10 |
| 10 | 13 | 17 | Framing blade 1 left | | |
| | | | Framing blade 1 left linearly closing from big to small | 0 | 255 |
| | | 18 | Framing blade 1 left in 16 bit | | |
| | | | Framing blade 1 left fine adjustment | 0 | 255 |
| 11 | 14 | 19 | Framing blade 1 right | | |
| | | | Framing blade 1 right linearly closing from big to small | 0 | 255 |
| | | 20 | Framing blade 1 right in 16 bit | | |
| | | | Framing blade 1 right fine adjustment | 0 | 255 |
| 12 | 15 | 21 | Framing blade 2 left | | |
| | | | Framing blade2 left linearly closing from big to small | 0 | 255 |
| | | 22 | Framing blade 2 left in 16 bit | | |
| | | | Framing blade 2 left fine adjustment | 0 | 255 |
| 13 | 16 | 23 | Framing blade 2 right | | |
| | | | Framing blade 2 right linearly closing from big to small | 0 | 255 |
| | | 24 | Framing blade 2 right in 16 bit | | |
| | | | Framing blade 2 right fine adjustment | 0 | 255 |
| 14 | 17 | 25 | Framing blade 3 left | | |












| | | | | | |
|----|----|----|--|---|-----|
| | | | Framing blade 3left linearly closing from big to small | 0 | 255 |
| | | 26 | Framing blade 3 left in 16 bit | | |
| | | | Framing blade 3 left fine adjustment | 0 | 255 |
| 15 | 18 | 27 | Framing blade 3 right | | |
| | | | Framing blade 3 right linearly closing from big to small | 0 | 255 |
| | | 28 | Framing blade 3right in 16 bit | | |
| | | | Framing blade 3right fine adjustment | 0 | 255 |
| 16 | 19 | 29 | Framing blade 4 left | | |
| | | | Framing blade 4left linearly closing from big to small | 0 | 255 |
| | | 30 | Framing blade 4left in 16 bit | | |
| | | | Framing blade 4 left fine adjustment | 0 | 255 |
| 17 | 20 | 31 | Framing blade 4 right | | |
| | | | Framing blade 4 right linearly closing from big to small | 0 | 255 |
| | | 32 | Framing blade 4right in 16 bit | | |
| | | | Framing blade 4right fine adjustment | 0 | 255 |
| 18 | 21 | 33 | Framing module rotation | | |
| | | | Framing module indexing(0-360degrees) | | |
| | | | Stop | | |
| | | | Framing module clockwise rotation from slow to fast | | |
| | | | Stop | | |
| | | | Framing module anti-clockwise rotation from slow to fast | | |
| | | 34 | Framing module rotation in 16 bit | | |
| | | | Framing module fine rotation | | |
| 19 | 22 | 35 | Frost | | |
| | | | Light Frost from 0% to 100% | 0 | 255 |
| 20 | 23 | 36 | Focus | | |
| | | | Linearly focusing | 0 | 255 |
| | | 37 | Focus Fine | | |
| | | | Focus in 16 precision | 0 | 255 |
| 21 | 24 | 38 | Zoom | | |
| | | | Linearly zooming | 0 | 255 |
| | | 39 | Zoom Fine | | |
| | | | Zoom in 16 Bit precision | 0 | 255 |
| 22 | 25 | 40 | Pan | | |
| | | | Pan movement | 0 | 255 |
| | 26 | 41 | Pan Fine | | |
| | | | Pan movement in 16 bit precision | 0 | 255 |
| 23 | 27 | 42 | Tilt | | |
| | | | Tilt movement | 0 | 255 |
| | 28 | 43 | Tilt fine | | |
| | | | Tilt movement 16 bit precision | 0 | 255 |
| 24 | 29 | 44 | Pan/Tilt speed | | |
| | | | fast Speed Mode | 0 | 1 |
| | | | Pan &Tilt speed from fast to slow | 2 | 255 |

| | | | | | |
|----------|-----|-----|---|-----|-----|
| 25 | 30 | 45 | Power/Special functions | | |
| | | | No function: | 0 | 4 |
| | | | Reserved | 5 | 19 |
| | | | 1.To activate following functions, stay in DMX value for at least 5 s | | |
| | | | 2.The lamp is allowed to be turned off 5 minutes after the lamp is on. And the lamp is allowed to be turned on 5 minutes after the lamp is off. | | |
| | | | 3. Before the lamp on or lamp off, set “control by DMX”/Lamp Control/Config Setting s as ON via control panel. | | |
| | | | Graphic display On | 20 | 24 |
| | | | Graphic display Off | 25 | 29 |
| | | | Reserved | 30 | 34 |
| | | | Lamp power 1500W | 35 | 39 |
| | | | Lamp power 1700W | 40 | 44 |
| | | | Reserved | 45 | 89 |
| | | | Pan/Tilt speed mode | 90 | 94 |
| | | | Pan/Tilt time mode | 95 | 99 |
| | | | Reserved | 100 | 129 |
| | | | Lamp On | 130 | 139 |
| | | | Pan/Tilt reset | 140 | 149 |
| | | | Colour system reset | 150 | 159 |
| | | | Reserved | 160 | 169 |
| | | | Dimmer/Strobe reset | 170 | 179 |
| | | | Zoom/focus/frost reset | 180 | 189 |
| | | | Framing module reset | 190 | 199 |
| | | | Total reset | 200 | 209 |
| | | | Reserved | 210 | 229 |
| | | | Lamp Off | 230 | 239 |
| Reserved | 240 | 255 | | | |



Note:

1. If you intend to turn on/off the lamp via the last channel of the controller, don't attempt to push the channel to value 224-255 immediately after turning it off, or push the slide bar to value 224-255 to wait it cooling. Under these 2 circumstances, the lamp can not be turned on. The right operation is: turn it off---cool down---push the slide bar to turn it on.
2. Fan error can cause lamp-off.

8. ICONS OF THE TROUGH SCREEN

| | | | |
|---|-----------------|---|-----------------|
|  | Lamp Control |  | Option Settings |
|  | Chinese/English |  | Information |
|  | Error Messages |  | Service |
|  | Address |  | Operation Mode |
|  | Reset |  | User Memories |
|  | Config Settings | | |

9.ERROR MESSAGES

The system can detect some errors during the reset, if  displayed, touch  to view the error.
The error messages are as follows:

| Name | Type | 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 |
| CTO | Timeout | Check if wiring, positioning parts and motors are normal |
| Color Wheel1 | Timeout | Check if wiring, positioning parts and motors are normal |
| Color Wheel12 | Timeout | Check if wiring, positioning parts and motors are normal |
| Dimmer | Timeout | Check if wiring, positioning parts and motors are normal |
| Focus 1 | Timeout | Check if wiring, positioning parts and motors are normal |
| Focus 2 | Timeout | Check if wiring, positioning parts and motors are normal |
| Zoom | Timeout | Check if wiring, positioning parts and motors are normal |
| Lamp Fan1 | Error | Check if fan and its wiring are normal |
| Lamp Fan2 | Error | Check if fan and its wiring are normal |
| Framing Module Fan | Error | Check if fan and its wiring are normal |
| Head Fan | Error | Check if fan and its wiring are normal |
| Base Fan1 | Error | Check if fan and its wiring are normal |
| Base Fan2 | Error | Check if fan and its wiring are normal |
| Pan and Tilt Board | Error | Check signal wire |
| Motor Driver Board 1 | Error | Check signal wire |
| Motor Driver Board2 | Error | Check signal wire |
| Motor Driver Board3 | Error | Check signal wire |
| Lamp on | Timeout | Check if he lamp is damaged |

| | | |
|---------------------|-----------------|------------------------------|
| Lamp Life | Timeout Warning | |
| Lamp Off[Fan Error] | Error | Check if all fans are normal |
| Time IC | Error | |

10. TECHNICAL DATA

INPUT VOLTAGES

Input voltage 200V~240V AC, 50/60Hz

Input power 2100W @ 220V

Current at maximum AC10A

Power factor PF>90%

LAMP SPECIFICATIONS

| | |
|-------------------------------|-----------------|
| Lamp | lok-it 1700W/PS |
| Color Temperature | 5600K |
| Ceramic Stand | Single-ended |
| Manufacturers Rated Lamp Life | 750hours |

COLORS

CMY linear color mixing system with macros

2Color wheels: 7colors+ Open, half-color effect, bi-directional rainbow effect with variable speeds,

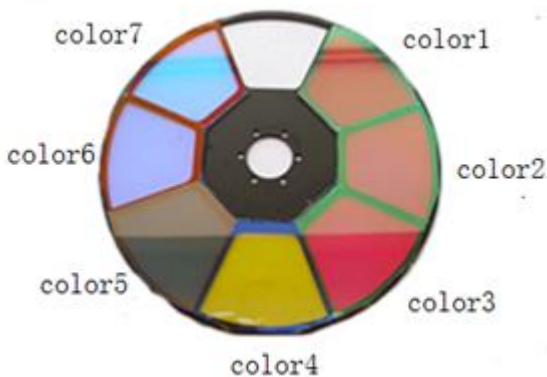
Stepping/linear color changing

Color Wheel 1



| No. | Code No. | Colors | Wave Length |
|-----|------------|----------|---------------------------------|
| 1 | 090070041A | Red | $\lambda=620\pm 5\text{nm}$ |
| 2 | 090070044A | Yellow | $\lambda=510/545\pm 5\text{nm}$ |
| 3 | 090070043A | Blue | $\lambda=500\pm 5\text{nm}$ |
| 4 | 090070042A | Green | $\lambda=540\pm 5\text{nm}$ |
| 5 | 090070045A | Pink | $\lambda=490/585\pm 5\text{nm}$ |
| 6 | 090070046A | Orange | $\lambda=600\pm 5\text{nm}$ |
| 7 | 090070047A | UV light | $\lambda=460/690\pm 5\text{nm}$ |

Color Wheel2



| No. | Code No. | Colors | Wave Length |
|-----|------------|---------------|---------------------------------|
| 1 | 090070034A | Deep Red | $\lambda=645\pm 5\text{nm}$ |
| 2 | 090070037A | Deep Magenta | $\lambda=450/630\pm 5\text{nm}$ |
| 3 | 090070040A | Light Magenta | $\lambda=445/620\pm 5\text{nm}$ |
| 4 | 090070039A | Light Yellow | $\lambda=520\pm 5\text{nm}$ |
| 5 | 090070035A | Light Green | $\lambda=485/525\pm 5\text{nm}$ |
| 6 | 090070036A | Deep Cyan | $\lambda=575\pm 5\text{nm}$ |
| 7 | 090070038A | Light Cyan | $\lambda=590\pm 5\text{nm}$ |

CTO

0-100% Linear CTO system

1 FRAMING MODULE

4 framing blades

Continual framing module rotation, to make graphics of different sizes and shapes

4 framing blade to make full curtain effect

FROST WHEEL

1Pc linear frost filter

FOCUS

DMX linear zoom

ZOOM

DMX linear zoom

DIMMER

0-100% Linearly adjustable

STROBE

Double blade strobe, 0.3-25 F.P.S .

HEAD MOVEMENT

Pan 540 °;Tilt 270 °with auto position correction

BEAM ANGLE

Linear zoom 10 °~ 55 °with 16bit adjustment

CONTROL

DMX512, 5 pin interfaces

RDM control protocol

25channels in basic mode, 30channels in standard mode , 45channels in extended mode

Self-test mode

OTHER FUNCTIONS

Adjustable Pan & Tilt speeds

Lamp's and fixture's hours displayed

Color touch screen, Chinese and English menus, brightness and contrast adjustable

Input signal isolated

Modular Structure for easy maintenance

Ethernet interface

DMX512 wireless reciever

Optional DMX512 Wireless Transmitter

HOUSING

High temperature ABS, IP20

WEIGHT

52Kg

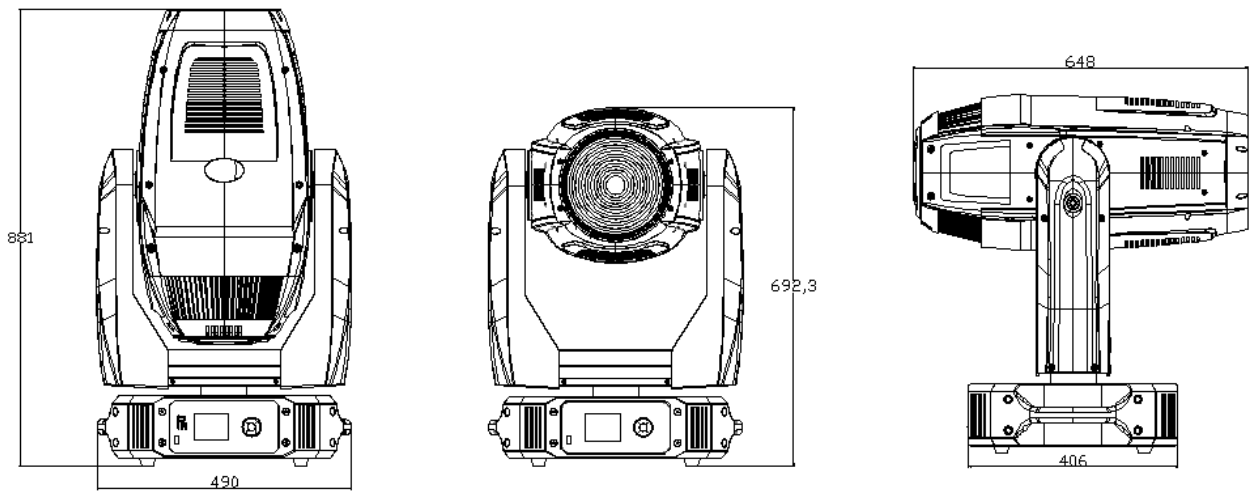
RIGGING

Head up or Head down

OPERATION TEMPERATURE

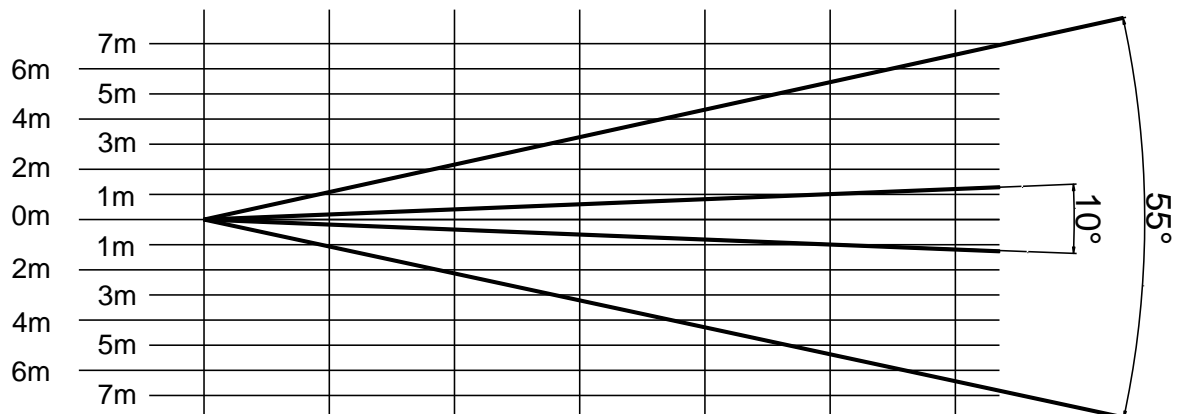
Maximum ambient temperature: 40 °C

1. SIZES:



2. LIGHT OUTPUT:

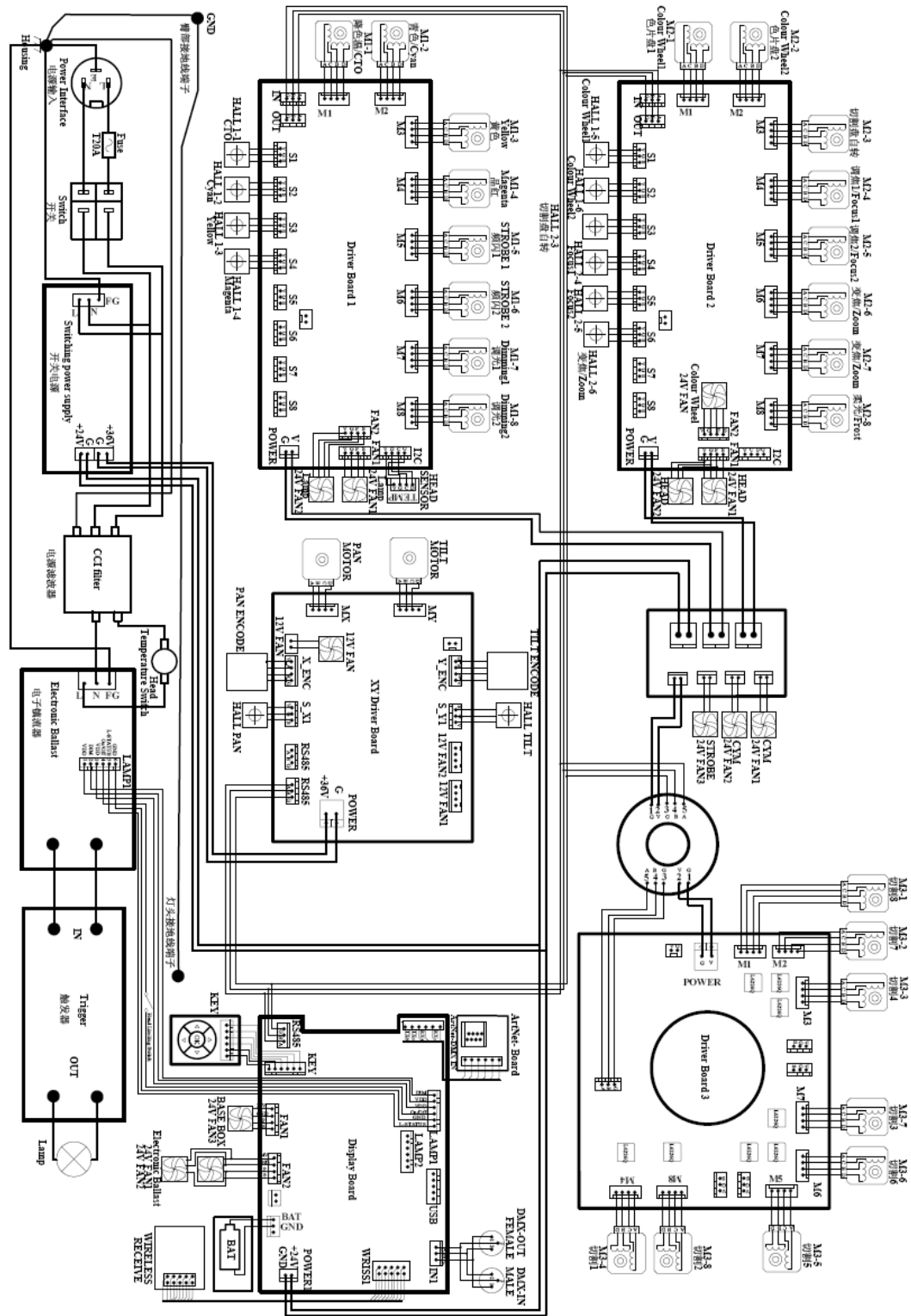
| | | | | | | | |
|---------|---|-------|-------|------|------|------|------|
| 55° lux | 0 | 2598 | 650 | 289 | 162 | 104 | 72 |
| 10° lux | 0 | 85233 | 21308 | 9470 | 5327 | 3409 | 2368 |



| | | | | | | | |
|-------------|------|-------|-------|--------|--------|--------|--------|
| 投射距离(m) | 0 | 5 | 10 | 15 | 20 | 25 | 30 |
| 55° 光斑直径(m) | Φ0.0 | Φ4.78 | Φ9.56 | Φ14.33 | Φ19.11 | Φ23.89 | Φ28.67 |
| 10° 光斑直径(m) | Φ0.0 | Φ0.87 | Φ1.74 | Φ2.61 | Φ3.48 | Φ4.36 | Φ5.23 |

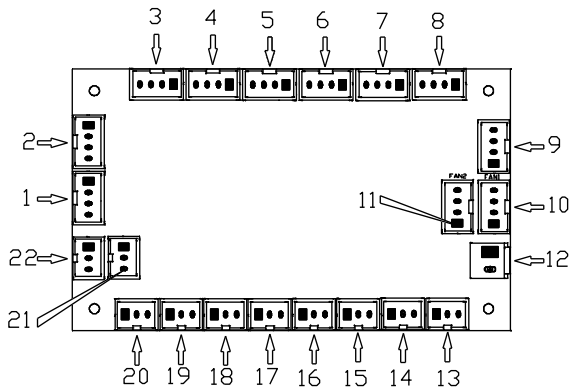
11. CIRCUIT DIAGRAM AND PCB CONNECTIONS

•CIRCUIT DIAGRAM



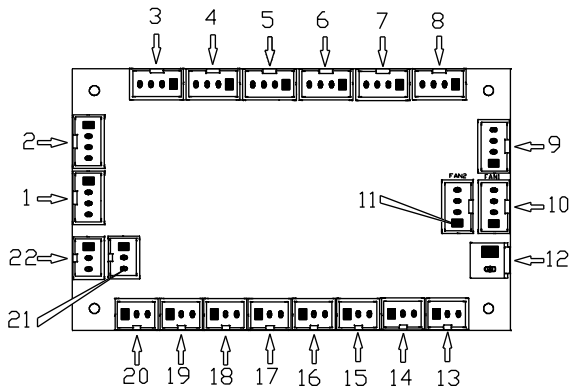
PCB CONNECTION

8 channel motor driver board1: P/N 230060744



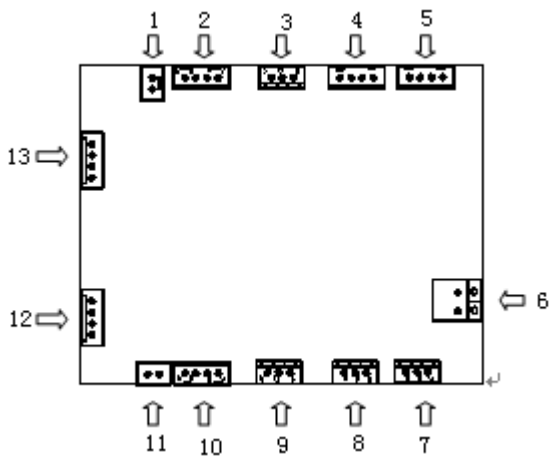
| 8 channel motor driver board | | | |
|------------------------------|----------------|----|-----------------------|
| 1 | M1-1 motor | 12 | 24V power input |
| 2 | M1-2 motor | 13 | Reserved |
| 3 | M1-3 motor | 14 | Reserved |
| 4 | M1-4 motor | 15 | Reserved |
| 5 | M1-5 motor | 16 | Reserved |
| 6 | M1-6 motor | 17 | HALL1-4 magnet sensor |
| 7 | M1-7 motor | 18 | HALL1-3 magnet sensor |
| 8 | M1-8 motor | 19 | HALL1-2 magnet sensor |
| 9 | Thermal sensor | 20 | HALL1-1 magnet sensor |
| 10 | Lamp fan1 | 21 | Signal output |
| 11 | Lamp fan2 | 22 | Signal input |

8 channel motor driver board2: P/N 230060745



| 8 channel motor driver board | | | |
|------------------------------|--------------------|----|------------------------|
| 1 | M2-1 motor | 12 | 24V power input |
| 2 | M2-2 motor | 13 | Reserved |
| 3 | M2-3 motor | 14 | Reserved |
| 4 | M2-4 motor | 15 | HALL2-6 magnet sensor |
| 5 | M2-5 motor | 16 | HALL2-5 magnet sensor |
| 6 | M2-6 motor | 17 | HALL2-4 magnet sensor |
| 7 | M2-7 motor | 18 | HALL2-3 magnet sensor |
| 8 | M2-8 motor | 19 | HALL2-2 magnet sensor |
| 9 | Thermal sensor | 20 | HALL12-1 magnet sensor |
| 10 | CMY FAN | 21 | Signal output |
| 11 | Framing module fan | 22 | Signal input |

XY diver board P/N230060742



| XY driver board | | | |
|-----------------|------------------|----|---------------------|
| 1 | Reserved | 8 | Signal input |
| 2 | TILT ENCODE | 9 | SX magnet sensor |
| 3 | SY magnet sensor | 10 | PAN ENCODE |
| 4 | Reserved | 11 | XY driver board fan |
| 5 | Reserved | 12 | PAN motor |
| 6 | 36V power input | 13 | TILT motor |
| 7 | Signal input | | |

12. COMPONENT ORDER CODES

| NAME | PART NO. | QTY | REMARK |
|-------------------------------|------------|-----|-----------------|
| PAN MOTOR | 030040262 | 1 | |
| TILT MOTOR | 030040262 | 1 | |
| STORE MOTOR | 030040095A | 2 | |
| DIMMER MOTOR | 030040186A | 2 | |
| COLOR WHEEL1 MOTOR | 030040215A | 1 | |
| COLOR WHEEL2 MOTOR | 030040215A | 1 | |
| CMY MOTOR | 030040114A | 4 | |
| FOCUS MOTOR | 030040213A | 2 | |
| ZOOM MOTOR | 030040261 | 2 | |
| FRAMING MODULE MOVE MOTOR | 030040029 | 1 | |
| FRAMING BLADE MOTOR | 030040247 | 8 | |
| FAN | 030060104 | 2 | BASE FAN1 |
| FAN | 030060089A | 1 | BASE FAN2 |
| TURBO FAN | 030060107 | 2 | COOLING LAMP |
| TURBO FAN | 030060094 | 1 | CMY FAN |
| TURBO FAN | 030060106 | 2 | DIMMER FAN |
| TURBO FAN | 030060102 | 2 | PAN & TLT BOARD |
| SMALL FAN | 030060093 | 1 | |
| LAMP BALLAST | 040070133A | 1 | |
| SWITCHING POWER SUPPLY | 230020689 | 1 | |
| POWER FILTER | 193020014 | 1 | |
| IGNITER | 040090066 | 1 | |
| LAMP | 100050085 | 1 | |
| COLOR WHEEL ACCESSORY 1 | 120110917 | 1 | |
| COLOR WHEEL ACCESSORY 1 | 120600041A | 1 | |
| MAIN BOARD | 230060743 | 1 | |
| 8 CHANNEL MOTOR DIVER BOARD 1 | 230060744 | 1 | |
| 8 CHANNEL MOTOR DIVER BOARD2 | 230060745 | 1 | |
| PAN & TILT BOARD | 230060742 | 1 | |
| FUSE | 270041065 | 1 | |
| PAN BELT | 290151205 | 1 | |
| TILT BELT | 290151207 | 1 | |
| FOCUS BELT | 290151423 | 2 | |
| ZOOM BELT | 290151316 | 2 | |
| COLOR WHEEL BELT | 290151361 | 2 | |
| CMY BELT | 290151341 | 4 | |

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Counterfeiting Will be Prosecuted!

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