

# CUBIX 600 PR-6602

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 |
|-------------|----------|------|--------|
| Safety cord | 1        | Pc   |        |
| User manual | 1        | Pc   |        |

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 units 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 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. SAFETYAND 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



Manual



Electrical shock







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 unit can be used indoors and outdoors and for its IP rating .please refer to Technical Data section of this user manual.



- 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.
- It's forbidden to make the unit with lower protection level directly or indirectly contact water or 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 1.5m
- •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.



- •Under normal temperature, after being stable, the unit's surface temperature will be 55°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.
- While operated, do not touch the metallic housing. It is very hot during operation.



•Do not mount the projector directly on inflammable surface.



- •Do not project the beam straightly on combustible 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

For the units with optical lens, because of the accumulation of the smoke, oil and dust on lens, the light output will be compromised. For the reliable use of the unit, it is very necessary to keep it clean. The unit is IP65 rating waterproof device. Unless approval by some professional technician for necessary internal component replacement, it's forbidden to dismantle the unit.

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. Keep lens clean and do not touch optical parts with bare hands.

#### **SPECIAL NOTE**

While water-proof projectors are in use, it's normal there will be some minor mist on the front lens.



- •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
- •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.

#### •TROUBLESHOOTING

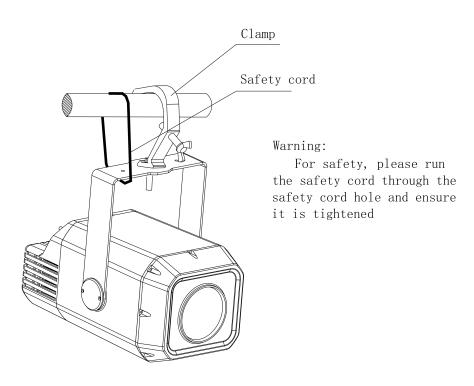
| PROBLEM   | ACTION  |  |  |
|---|---|--|--|
| The projector doesn't switch on                             | <ul> <li>Check the power cord connection</li> <li>Power Switch fails or is not connected well, call a professional technician for repairing and checking</li> <li>Control board is not connected normally, call a professional technician for repairing and checking ,</li> </ul> |  |  |
| The project can be turned on, but the LED lamps can't be on | <ul> <li>LED lamp board is not connected well, call a professional technician for<br/>repairing and checking</li> </ul>   |  |  |
| The LED lamps can be on, but not controlled by DMX          | <ul> <li>Check if DMX Start Address is properly set</li> <li>Check if XLR cable fails or not</li> </ul>   |  |  |

Ambient temperature is too hot which makes the projector too hot, please take appropriate ventilation measures

#### 3. INSTALLATION

#### •RIGGING (with an optional clamp)

Take 1 clamp and 1 safety cord out from the package and tighten the clamp with the arm, and then mount the whole unit on the truss, tighten the clamp's retainers to keep the unit stable. (See the <u>WARNING</u> on the underside of the base as shown above) <u>To pass the SAFETY CORD through the ARM for safety!</u> Always ensure that the unit is firmly anchored to avoid vibration and slipping whilst functioning. Always ensure that the structure that you are going to mount the unit to is secure and strong enough to support the weight of the unit Loosen the big knob and adjust the head's angle for the effect desired and the tighten it. The installation is completed. (If the unit is wit wireless control, while being hung, the antenna should face down)



#### •PLACE A UNIT ON A FLAT SURFACE

Before placing a unit on a flat surface, loosen the small knob with the support and make the angle between the arm and the support 60degrees. Tighten the small knob. Loosen he big knob and adjust the angle between the arm and unit as desired and then tighten it. (If the unit is with wireless control, after the unit is placed on a flat surface the antenna should face up)

#### TRANSPORTATION

Before transportation, tighten both knobs after the arm and support are overlapped.

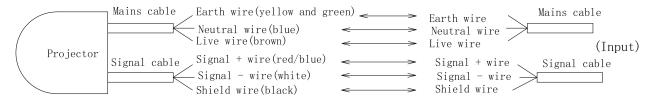


#### **WARNING:**

- •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 1<sup>st</sup> projector with the Power Mains, then connect its POWER OUT with POWER IN of the 2<sup>nd</sup> 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 2.5mm<sup>2</sup>.



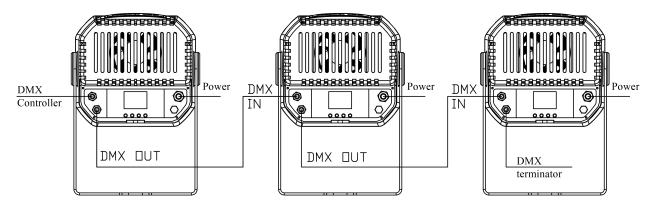
- •The earth wire(yellow/green) must be connected to the ground. And electrical connection must be in accordance with the standards concerned.
- If any questions about the electrical installation, do not continue but consult a qualified electrician.

#### •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 unit accepts digital control signals in protocol DMX512 (1990).

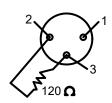
Connect the controller's DMX output to the first fixture's DMX input, and connect the first fixture's DMX output to the second fixture's DMX input and connect the rest fixtures in the same way. Eventually connect the last fixture's DMX output to a DMX terminator as shown in the figure below.



#### •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  $120\Omega$  (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.

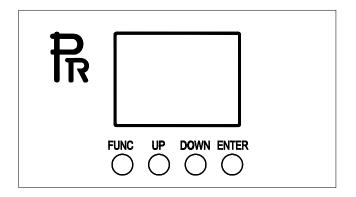


## **DMX TERMINATOR** CONNECTION

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.



#### 4. SETUPAND CONFIGURATION



#### •FRONT PANEL OPERATION

To browse through or modify the projector's functions, press key ENTER for more than 3 seconds to unlock the control panel and enter the menus. To set or browse through the projector's functions, press key UP or DOWN. Press the key ENTER to enter the submenus and the current parameters will be displayed while flashing. Press key UP or DOWN to change values(plus or minus) Press key ENTER to save your changes and enter into the upper level menu while flashings stop; Press key FUNO, it will return to the upper menu(parameters not saved) or browse through 1st level menus;

Press key FUNG for 1 second or none key is pushed for 1 minute, the menu will be escaped and current operation mode displayed.

If DMX signal is available, LED indication is on. Otherwise it is off.

#### •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 Unit has 2 DMX modes of short, and standard. For standard mode .it has 19 channels, so set the No. 1 projector's address 001, No. 2 projector's address 020, No. 3 projector's address 039, No. 4 projector's address058, and so on.

Launch the projector. Press button ENTER more than 3 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

#### •STAND-ALONE MODE

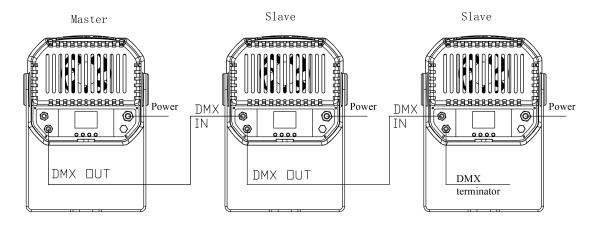
Operate the projector without connecting with a controller, enable the master mode through the operation panel, the projector will run in Stand-Alone mode automatically.

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



## 5. OPERATION MENU

| 1st LEVEL       | 2nd LEVEL             | 3rd LEVEL          | 4th LEVEL             | 5th LEVEL |
|-----------------|-----------------------|--------------------|-----------------------|-----------|
| Address         | DMX Address           | 1-XXX              |                       |           |
|                 | Total Reset           | Really Reset?      | Confirm or Cancel     |           |
|                 | Color System Reset    | Really Reset?      | Confirm or Cancel     |           |
| Reset           | Gobo Reset            | Really Reset?      | Confirm or Cancel     |           |
|                 | Zo. Fo. Fr. Pr. Reset | Really Reset?      | Confirm or Cancel     |           |
|                 | Effect reset          | Really Reset?      | Confirm or Cancel     |           |
|                 |                       | Short Mode         |                       |           |
|                 | DMX Channel Mode      | Standard Mode      |                       |           |
|                 |                       | Extended Mode      |                       |           |
|                 |                       | View Selected Mode | Strobe(starting with) |           |
|                 | Loss of DMX           | Normal time out    |                       |           |
| Config Settings | LOSS OF DIVER         | Hold Last Value    |                       |           |
|                 |                       | Dimlor Mode        | Off After Delay       |           |
|                 | Display Config        | Display Mode       | On Always             |           |
|                 |                       | Display Invert     | Invert OFF            |           |
|                 |                       | Display iliveit    | Invert ON             |           |

|                 |                               |   | Invert Auto       |  |
|-----------------|-------------------------------|---|-------------------|--|
|                 |                               | I Gui                                   | English           |  |
|                 |                               | Language Setting                        | Chinese           |  |
|                 |                               | Celsius Degree                          |                   |  |
|                 | Temperature Unit              | Fahrenheit Degree                       |                   |  |
|                 | Factory Defaults              | Restore Defaults?                       | Confirm or Cancel |  |
|                 | Invert Settings               | Zoom Invert                             | OFF/ON            |  |
| Option Settings |                               | Dimmer Curve 1                          |                   |  |
|                 | D. M.I.                       | Dimmer Curve 2                          |                   |  |
|                 | Dimmer curve Mode             | Dimmer Curve 3                          |                   |  |
|                 |                               | Dimmer Curve 4                          |                   |  |
|                 | View DMX Values               |   |                   |  |
|                 | Total Hours                   | Reset total hours                       |                   |  |
|                 | Temperature  Software Version | Display Board=×××C                      |                   |  |
|                 |                               | Driver Board 1=×××C                     |                   |  |
|                 |                               | Driver Board 2=×××C                     |                   |  |
|                 |                               | LED Sensor=×××C                         |                   |  |
|                 |                               | PCB board Sys Boot                      |                   |  |
| Information     |                               | Display Board xxx xxx                   |                   |  |
|                 |                               | Driver Board1 xxx xxx                   |                   |  |
|                 |                               | Driver Board 2 xxx xxx                  |                   |  |
|                 | Electronic SN                 | XXXXXX                                  |                   |  |
|                 | RDM Device Label              | ANSI E1.20 RDM                          |                   |  |
|                 | Fan Status                    | Fan Speed Status<br>Head Fan xxx on/off |                   |  |
| Service         | Manual Effect Control         | Strobe XXX<br>Dimmer XXX                |                   |  |

|                   | Factory Mode     |   |                            |                       |
|-------------------|------------------|---|----------------------------|-----------------------|
|                   | DMX Mode         | Change Operation Mode?<br>Confirm or Cancel |                            |                       |
|                   |                  | Preset Memory                               | Change Operation Mode?     | Confirm or Cancel     |
|                   | Master Mode      | User Memory 1                               | Change Operation Mode?     | Confirm or Cancel     |
|                   |                  | User Memory 2                               | Change Operation Mode?     | Confirm or Cancel     |
|                   |                  | Preset Memory                               | Change Operation Mode?     | Confirm or Cancel     |
| Operation<br>Mode | Stand-Alone Mode | User Memory 1                               | Change Operation Mode?     | Confirm or Cancel     |
|                   |                  | User Memory 2                               | Change Operation Mode?     | Confirm or Cancel     |
|                   | Static Scene     | Change Operation Mode?<br>Confirm or Cancel |                            |                       |
|                   | Edit User Memory |   |                            | Strobe XXX            |
|                   |                  |   |                            | Dimmer XXX            |
|                   |                  |   |                            |                       |
|                   |                  | Edit User Memory 1                          | (1~200Scenes)              | Fade Time XXX         |
|                   |                  | Edit User Memory 2                          | Scene XX<br>(1~200 Scenes) | Hold Time XXX         |
|                   |                  |   |                            | Delay Time XXX        |
| User<br>Memories  |                  |   |                            | Delay Unit XXX ms/s/m |
|                   |                  |   |                            | Link to Step XXX      |
|                   |                  |   | Strobe XXX                 |                       |
|                   |                  | Edit Static Scene                           | Dimmer XXX                 |                       |
|                   |                  |   |                            |                       |
|                   |                  | Reset User Memory 1                         | Reset User Memory?         | Input Password 123    |
|                   | Init User Memory | Reset User Memory 2                         | Reset User Memory?         | Input Password 123    |
|                   |                  | Reset Static Scene                          | Reset Static Scene?        | Input Password 123    |

## 6. DMX PROTOCOL

| Short | Standard         | Function            | DMX Value                      | Description                                |
|-------|------------------|---------------------|--------------------------------|--|
| mode  | mode             |                     | 000                            |  |
| 1     | 1                | C4 1                | 000                            | Close                                      |
| 1     | 1 Strobe 001-127 |                     | Pulse strobe from slow to fast |  |
|       |                  |                     | 128-255                        | Strobe from slow to fast                   |
| 2     | 2                | Dimmer              | 000-255                        | Linear dimmer form dark to bright (0-100%) |
|       | 3                | Dimmer Low          | 000-255                        | Dimmer in 16 bit                           |
|       |                  |                     | 000-063                        | positioning(0-360 degrees)                 |
|       |                  |                     | 064-067                        | Open/Color1                                |
|       |                  |                     | 068-071                        | Color 1                                    |
|       |                  |                     | 072-075                        | Color 1/Color 2                            |
|       |                  |                     | 076-079                        | Color 2                                    |
|       |                  |                     | 080-083                        | Color 2/ Color 3                           |
|       |                  |                     | 084-087                        | Color 3                                    |
|       |                  |                     | 088-091                        | Color 3/ Color 4                           |
|       |                  |                     | 092-095                        | Color 4                                    |
| 3     | 4                | Color wheel         | 096-099                        | Color 4/ Color 5                           |
|       |                  |                     | 100-103                        | Color 5                                    |
|       |                  |                     | 104-107                        | Color 5/ Color 6                           |
|       |                  |                     | 108-111                        | Color 6                                    |
|       |                  |                     | 112-115                        | Color 6/ Color 7                           |
|       |                  |                     | 116-119                        | Color 7                                    |
|       |                  |                     | 120-123                        | Color 7/Open                               |
|       |                  |                     | 124-127                        | Open                                       |
|       |                  |                     | 128-191                        | Clockwise rotation from slow to fast       |
|       |                  |                     | 192-255                        | Anti-clockwise rotation from fast to slow  |
|       | 5                | Color wheel Low     | 000-255                        | Color wheel in 16 bit                      |
|       |                  |                     | 000-019                        | Open                                       |
|       |                  |                     | 020-037                        | Gobo1                                      |
|       |                  |                     | 038-055                        | Gobo 2                                     |
|       |                  |                     | 056-073                        | Gobo 3                                     |
|       |                  |                     | 074-091                        | Gobo 4                                     |
|       |                  |                     | 092-109                        | Gobo 5                                     |
| 4     | 6                | Rotating gobo wheel | 110-127                        | Gobo 6                                     |
|       |                  |                     | 128-161                        | Clockwise rotation from slow to fast       |
|       |                  |                     | 162-195                        | Anti-clockwise rotation from slow to fast  |
|       |                  |                     | 196-205                        | Gobo1shake from slow to fast               |
|       |                  |                     | 206-215                        | Gobo2shake from slow to fast               |
|       |                  |                     | 216-225                        | Gobo3shake from slow to fast               |
|       |                  |                     | 226-235                        | Gobo4shake from slow to fast               |

|               |                                | 236-245<br>246-255   | Gobo5shake from slow to fast  Gobo6shake from slow to fast                                   |
|---------------|--------------------------------|--|--|
|               |                                | 246-255  | GODOOSNAKE Irom slow to fast   |
|               |                                | 000 120  | G 1 T 1 ' (0.2(0.1   |
|               |                                | 000-128  | Gobo Indexing(0-360degrees)  |
| 7             | Gobo Rotation                  | 129-188  | Clockwise rotation from slow to fast   |
|               |                                |  | Stop rotation  |
| $\rightarrow$ |                                |  | Anti-clockwise rotation from slow to fast  |
| 8             | Gobo Rotation Low              |  | Gobo rotation in 16 bit  |
| 9             | Effect Wheel                   |  | No   |
|               |                                |  | Effect Wheel In  |
|               |                                | 000-127  | Clockwise rotation from slow to fas  |
| 10            | Effect Wheel Rotation          | 128  | Stop rotation  |
|               |                                | 129-255  | Anti-clockwise rotation from slow to fast  |
| 11            | Driem                          | 000-016  | White  |
| 11            | FIISIII                        | 017-255  | Prism in   |
|               |                                | 000-128  | Prism Rotation Indexing  |
| 12            | D.: D -4-4:                    | 129-191  | Clockwise rotation from slow to fast   |
| 12            | PTISM KOIAHON                  | 192  | Stop   |
|               |                                | 193-255  | Anti-clockwise rotation from slow to fast  |
| 12            | Г                              | 000-009  | No   |
| 13            | Frost                          | 010-255  | Frost in   |
| 14            | Focus                          | 000-255  | Linear focus   |
| 15            | Focus Low                      | 000-255  | Focus in 16 bit  |
| 16            | Zoom                           | 000-255  | Linear Zoom  |
| 17            | Zoom Low                       | 000-255  | Zoom in 16 bit   |
|               |                                | 000-029  | Dimmer Curve 1   |
|               |                                | 030-059  | Dimmer Curve 2   |
| 18            | Dimmer Curve Mode              | 060-089  | Dimmer Curve 3   |
|               |                                | 090-119  | Dimmer Curve 4   |
|               |                                | 120-255  | Default to Unit Setting  |
|               |                                | 000-019  | Reserved   |
|               |                                | between for more that  | on to be activated after it stays in DMX valuen 5s. And after power off, the set-up won't be |
|               |                                | 020-024  | Graphic display On   |
| 025-029       |                                | Graphic display Off  |  |
|               |                                | 030-149  | Reserved   |
| 19            | Control function               | 150-159  | Colour system reset  |
|               |                                | 160-169  | Gobo wheels reset  |
|               |                                | 170-179  | Dimmer/Strobe reset  |
|               |                                |  | Zoom/focus/prism reset   |
|               |                                | 190-199  | Effect wheel reset   |
|               |                                |  |  |
|               |                                | 200-209  | Total reset  |
| 1 1 1 1 1 1 1 | 8 9 10 11 12 13 14 15 16 17 18 | 8 Gobo Rotation Low 9 Effect Wheel 10 Effect Wheel Rotation 11 Prism 12 Prism Rotation 13 Frost 14 Focus 15 Focus Low 16 Zoom 17 Zoom Low 18 Dimmer Curve Mode | 189-195   196-255   196-255   196-255     196-255  |

Note: Fan errors can cause LED lamps off.

#### 7. LOGOS ON THE TOUCH SCREEN

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

#### 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 Timeout Check if wiring, positioning parts and motors are normal Color wheel Rot. Gobo Wheel Timeout Check if wiring, positioning parts and motors are normal Rot. Gobo Rotation Timeout Check if wiring, positioning parts and motors are normal Timeout Check if wiring, positioning parts and motors are normal Prism Rotation Prism 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 Effect Wheel Timeout Check if wiring, positioning parts and motors are normal Effect wheel Timeout Check if wiring, positioning parts and motors are normal rotation Driver Board 1 Error Check signal wire Driver Board2 Error Check signal wire Lapsed Time Timeout Time IC Error Lapsed time X days Use hours Setting successfully

#### 9. TECHNICAL DATA

#### **ELECTRIC SPECIFICATIONS**

Input voltage: 100V~240V AC, 50/60Hz

Input power: 400W @ 230V Current at maximum:4.7A Power factor: PF>0.9

#### LIGHT SOURCE SPECIFICATIONS

LED 300W, White

Power Consumption 300W

Manufacturers Rated Lamp Life 20000hours

Color temperature: 8000K

#### **COLORS**

1pc color wheel(6colors+CTO+Open),
Half color, bi-directional rainbow effect with variable speeds
Stepping /linear color selection

#### **DIMMER**

Linear Dimmer from 0-100%

#### **STROBE**

Electronic Strobe 0-25FP.S. with pulse macors

#### **PRISM**

1pc 4-facet circular prism

#### **EFFECT WHEEL**

1 fire effect wheel(bi-directional rotation with variable speeds)

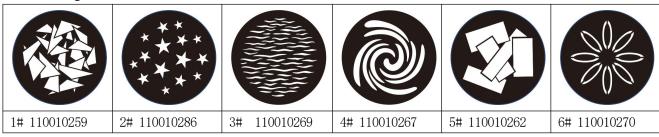
Fire gobo exchangeable

#### **ROTATING GOBO WHEEL**

1pc of rotating gobo wheel:6 gobos +open

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

Gobo exchangeable



#### **FOCUS**

DMX linear focus

#### **ZOOM**

DMX linear zoom

#### **BEAM ANGLE**

Beam angle (1/2 $\theta$ peak): linear focus 7 $^{\circ}$  45 $^{\circ}$ (open hole)

#### **FROST**

1 frost filter

#### CONTROL

International standard DMX512 signal control protocol

DMX512 5pin interfaces

14channels in short mode and 19channels in standard mode

Master/Slave synchronized Mode

Stand alone mode, preset mode, user memory

#### **OTHER FUNCTIONS**

Color touch screen and its brightness adjustable

DMX 512 port for firmware upgrade, a convenient and quick way for firmware upgrade via DMX cable

Over temperature protection

Fixture time, DMX512 channel value and software version will be displayed

Display can be inverted

Quick replacement of gobos

#### HOUSING

Cast Aluminum, high temperature resistant/anti-UV ABS, IP65

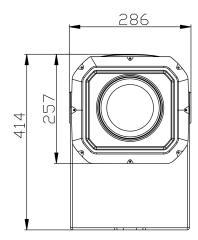
#### **NET WEIGHT**

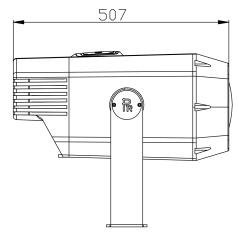
21.4Kg

#### **OPERATION TEMPERATURE:**

Maximum ambient temperature 45 °C

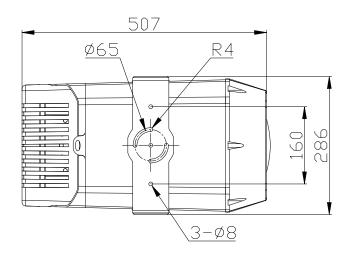
#### **SIZES:**



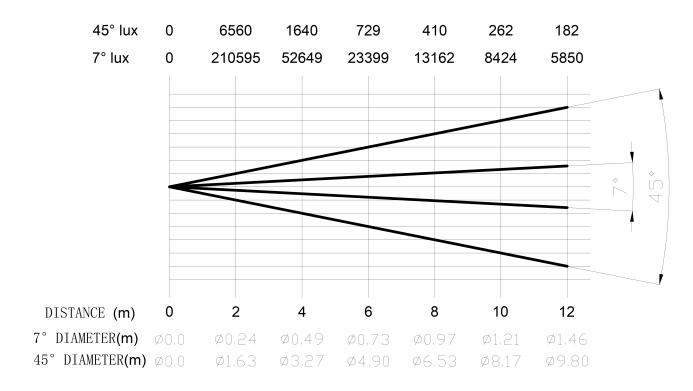




## INSTALLATION DIAGRAM:



#### LIGHT OUTPUT



## 10. COMPONENT ORDER CODES

| NO | NAME                       | CODE NO.    | QTY | REMARKS |
|----|----------------------------|-------------|-----|---------|
| 1  | HEAT SINK FAN              | 030060116   | 1   |         |
| 2  | DRIVER BOARD FAN           | 030060079   | 2   |         |
| 3  | INTERNALAIR RECYCLE BLOWER | 030060119   | 2   |         |
| 4  | LED DRIVER BOARD           | 6230000177  | 1   |         |
| 5  | LED LIGHT SOURCE           | 6150000007  | 1   |         |
| 6  | 8 CHANNEL MOTOR BOARD      | 6230000176  | 1   |         |
| 7  | 6 CHANNEL MOTOR BOARD      | 6230000175  | 1   |         |
| 8  | LCD MASTER BOARD           | 6230000178A | 1   |         |
| 9  | COLOR WHEEL MOTOR          | 030040248   | 1   |         |
| 10 | ROTATING GOBO WHEEL MOTOR  | 030040221   | 1   |         |
| 11 | GOBO ROTATION MOTOR        | 030040221   | 1   |         |
| 12 | EFFECT WHEEL MOTOR         | 030040251   | 1   |         |
| 13 | PRISM IN MOTOR             | 030040221A  | 1   |         |
| 14 | PRISM ROTATION MOTOR       | 030040203   | 1   |         |
| 15 | FROST MOTOR                | 030040257A  | 1   |         |
| 16 | ZOOM/FOCUS MOTOR           | 030040213A  | 2   |         |
| 17 | COLOR WHEEL BELT           | 290151396   | 1   |         |
| 18 | ROTATING GOBO WHEEL BELT   | 290151265   | 1   |         |
| 19 | GOBO ROTATION BELT         | 290151375   | 1   |         |
| 20 | EFFECT WHEEL BELT          | 290151253   | 1   |         |
| 21 | FOCUS BELT                 | 290151386   | 1   |         |
| 22 | ZOOM BELT                  | 290151318   | 1   |         |
| 23 | AIR MEMBERANE              | 290010481   | 1   |         |
| 24 | COVER SEAL                 | 290190115   | 1   |         |
| 25 | ROTATING GOBO WHEEL        | 6120110062  | 1   |         |
|    | ACCESSORY                  |             |     |         |
| 26 | PRISM ACCESSORY            | 120110815   | 1   |         |
| 27 | COLOR WHEEL ACCESSORY      | 6120110061  | 1   |         |
| 28 | EFFECT WHEEL               | 6110000000  | 1   |         |
| 29 | SWITCHING POWER SUPPLY     | 6190000017  | 1   |         |
| 30 | HEAT SINK                  | 6060020001  | 1   |         |
| 31 | HEAD SEAL                  | 6290000033  | 1   |         |

## PR LIGHTING LTD.

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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:

Version: 20240524