



LED 800W BEAM SPOT WASH FRAMING USER MANUAL



COMET 800W 4 IN 1

Version 1.0

PLEASE READ OVER THIS MANUAL BEFORE OPERATING THE LIGHT FIXTURE

1. SAFETY INSTRUCTION

The fixture is designed and manufactured to meet the requirements of People's Republic of China and international safety regulations. Modifications to the product could affect safety and render the product non-compliant to relevant safety standards.

Instructions pertaining to continued protection against fire, electric shock, and injury to persons are found throughout this manual. Please read all instructions prior to assembling, mounting, and operating this equipment.

IMPORTANT

ALWAYS READ THE USER MANUAL BEFORE OPERATION. PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 1m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting and maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.

ATTENTION



This product left the place of manufacturer in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.

- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that all parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact us immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is not conformable.

2. SPECIFICATION

Input Voltage:100-240V 50/60 Hz Light Source:800W white LED, 8000K

LED lifetime: 10000 hours

CRI: 73-90

Movement: Pan 540°; Tilt 270°; auto X/Y repositioning, fast, quiet and smooth

Framing:4 groups and eight directions of blade, multiple design

Gobos: one static gobo wheel: 8 gobos + open

one rotating gobo wheel: 6 gobos + open, interchangeable, indexable

one animation wheel: dynamic effect like flame or water, etc.

Color: one color wheel, 7 colors+ Open;

CTO: Independent CTO, color temperature can be linear adjusted CMY: Independent CMY, with linear color change, limitless color mixing

Prism: 3 facet linear prism, 6 facet linear prism

Focus: Automatic focus Zoom: $5^{\circ} \sim 55^{\circ}$ linear zoom

Iris: 5%-100% motorized linear iris adjustment

Dimming: 0~100% linear dimming

Strobe: 0-20Hz, With strobe effect, 1-25 times/second

Frost: 35°-65° With frost effect, with 3 frost lever-heavy, medium and light

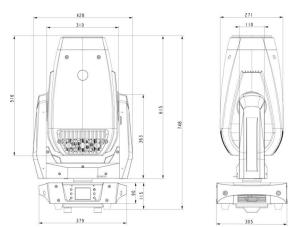
Display: LCD display

Control Mode: DMX 512, RDM, Artnet (Optional), Auto-running, Master/salve, Sound active,

Built-in program Channel: 36CH Gross weight: 42KG Net Weight: 38KG

Packing size: 90.5x56x45.5CM

3. DIMENSION (MM)



3.1 Color wheel



СМҮ+СТО



3.2 Gobo



Fix gobo



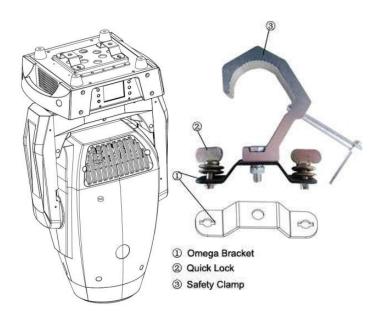
Rotation gobo



Effect wheel

4. MOUNTING AND INSTALLATION

- The fixture can be mounted in any position.
- Always ensure that mounting surface can withstand 10 times the weight of the fixture.
- Always use a safety cable when mounting the fixture in any elevated position.



IMPORTANT SAFETY NOTE!!

Always use a safety cable when installing this unit!

Be sure that the safety cable is connected to a solid load-bearing structure!

5 Menu operation

1) Summary

Like picture 3 (its 4 keys in this picture), left is TFT display that support touch operation; right is 4 keys or 5 keys or encoder knob, you can control light directly or setup system parameter by them.

Display and operation likes Android system. You can operate item by fingers if you choose the item with touch screen.

Note: Don't use sharp thins to touch display.



Operation

Control item by touch screen or console

- The left is TFT display and touch area. You can setup the parameter or check status by touching menu contents.
- The right is rotary encoder. Please swirl encoder to setup or check menu if you don't use TFT touch screen.

Value input

When the chosen parameter needs value input, the windows will be opened like picture4:



Picture 1 Value setup

- Set value: can move slider to set needed value fast, also can click UP or DOWN rightside or swirl the encoder to set value.
- Use value: After setup, please press "apply" key at left bottom, then the value is sent to light without saving.
- Save value: Press "Enter" at right bottom to save setup anytime.

Value setup

- When the value is ON or OFF, please click the corresponding item to change parameter values, and it will be saved inside storage directly. Press parameter options on right, the corresponding item will become to gray. Once release it, the item will be changed and saved. If you don't want to change parameter, please move fingers to other place on screen.
- The important bole parameter will be changed by windows like Picture 5 as following:

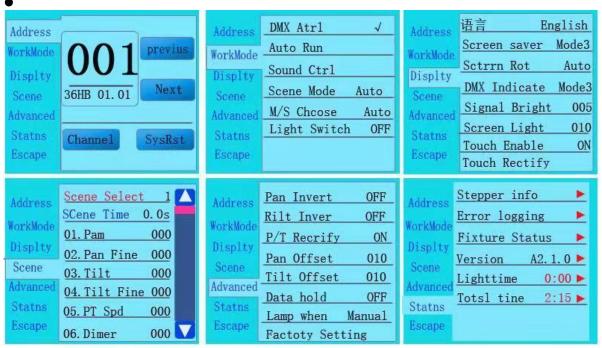


Picture 2 Sure input windows

Subpage parameter

Press primary menu to get into submenu. There are 6PCS subpage with different parameter or status as picture 6:

- ADDRESS: set the DMX add;
- WORKMODE: set the work mode, master/slave mode;
- DISPLAY: Set the parameter on display, like language, screen protection;
- TEST: For lighting test, simulate the value of corresponding DMX channel;
- ADVANCE: set operating parameter;
- STATUS: check current status.



Picture 3 Submenu

Function operation and parameter setup

Get into menu like picture 6:

- In primary menu, can get into corresponding submenu by touching 6 different button.
- Press left blue option can change to other interface fast.

1. Set DMX address code

Press and choose "ADDR" to get into the set page. The range of address code is 1-512, the code can't be bigger than 512, otherwise, the light can't be controlled. The detail is as following:

Get into the DMX interface like picture 7, click the right white area, then the parameter set windows is opened like picture 4. Please pull the red blocks of progress bar to set DMX address code, or set code by touch "UP" and "DOWN" keys; then press ENTER to save code.

The unit support RDM, can setup the address code by RDM

Set work mode

Please set the work mode, control lamp and channel mode like picture . The light has four mode-DMX mode, auto run mode, sound active mode and master/slave mode. The detail parameter is as following:

| DMX Mode | Console | e mode, receive DMX signal, RDM signal | | |
|----------------------------|--|--|--|--|
| Autorun Mode | Automa | tically run according to the built-in program | | |
| Voice control mode | When the lamp detects a strong sound, the lamp automatically runs a scene according to the built-in program, otherwise the last scene is maintained | | | |
| Scene Mode 01 | editing | he set scene mode, support up to 10 scenes of custom | | |
| | 1~10 | Output the specified scene | | |
| | Autom Automatically output scenes in sequence with the stime (non-zero), and scenes with time 0 are autom skipped and ignored | | | |
| Master- slave choice | Effective in non-DMX mode, select the data output mode, the lamp automatically detects the DMX state and automatically switches the output to prevent data conflicts | | | |
| | Host | The lamps and lanterns operate as built-in, if DMX has no signal, output data (synchronization), otherwise do not output | | |
| | Slave | Fixtures run as built-in and do not output data (do not synchronize other fixtures) | | |
| | Autom atic | If the DMX has no signal, the lamp operates as built-in, otherwise, the lamp operates according to the DMX signal | | |

Set menu display

There are two language-Chinese and English like picture 9.

| Language | Set the dis | play language | | | |
|-----------|---|--|--|--|--|
| | English | English display | | | |
| | Chinese | Chinese display | | | |
| screen | | he screen display content or method after no operation within 30 | | | |
| protector | seconds | | | | |
| | shut | Keep the last operation page, screen on | | | |
| | down | | | | |
| | Mode 1 | Screen off | | | |
| | Mode 2 | Screen off, Show the address code of the current fixture | | | |
| | | in the lower left corner | | | |
| | Mode 3 | Display trademark information, address code and | | | |
| | | operating mode | | | |
| Screen | Set the display orientation of the screen | | | | |
| rotation | shut | Non-inverted display | | | |
| | down | | | | |
| | Open | Reverse display | | | |
| | Automati | Automatically detect the hanging direction of lamps and | | | |
| | С | automatically switch the display direction | | | |
| DMX | Set the ind | ication method of DMX signal indicator | | | |

| instruction s | Mode 1 | Lights when there is a signal, and turns off when there is no signal | | | |
|--------------------------|--|---|--|--|--|
| | Mode 2 | Off when there is a signal, on when there is no signal | | | |
| | Mode 3 | Flashes when there is a signal, and turns off when there is no signal | | | |
| Signal | Set the brig | ghtness of the signal indicator | | | |
| indicating brightness | 1~10 | 10 levels | | | |
| Screen backlight | Set the brightness of the screen backlight after 10 seconds of no operation, all bright during operation | | | | |
| | 1~10 | 10 levels | | | |
| Touch | Choose whether to disable the touch screen, when the screen touch | | | | |
| screen | is accidentally damaged, you can disable the touch function and use | | | | |
| switch | the auxiliary input to set the lamp | | | | |
| Touch | When the screen touch is not accurate, you can enter the correction | | | | |
| correction | page to co | rrect the screen | | | |

For lamps that support touch operation, if there is bad touch, you can enter the calibration page to recalibrate the touch accuracy of the touch screen. Under normal circumstances, please do not enter this page. If the touch is damaged, choose to disable the touch switch.

Enter the page shown in Figure 6-4, the fixture enters the scene editing mode, under this page, the fixture does not receive DMX console data, and the edited data is immediately reflected on the fixture.

The content of the page depends on the currently selected channel, and the displayed channel content and sequence are consistent with the lamp channel table. Through this page, 10 scenes can be edited, as shown in the following table:

Scene mode

| Scene | Select the current operation scene | | | |
|----------------|--|--|--|--|
| selection | 1~10 | 10 scene setting formats | | |
| Scene time | Set the retention time of the current scene in automatic mode, the is 0.1 second | | | |
| | 0 | The current scene does not participate in automatic scene output | | |
| | 1-255 | 0.1 second to 25.5 seconds | | |
| 1. Pan | 0-255 | Set the data of each | | |
| | 0-255 | channel, the display | | |
| | 0-255 | content and sequence correspond to the channel | | |
| N. Function | 0-255 | table of the fixture | | |

If the effective reset data is edited in the reset channel in the scene, the lamp will be reset, but after reset, the corresponding reset channel value will be automatically cleared to prevent multiple consecutive resets.

View this page, you can get the current channel table order of the fixtures. For specific channel data, please refer to the detailed channel description.

Setup work parameter

Get into page like picture 11, can adjust the scene parameter to make easier installation.

| Out into pu | ago into protaro 11, carradjast trio scene parameter to maite sacior instanat | | | |
|-------------|---|----------------|--|--|
| Pan | Set the rotation direction of Pan | | | |
| invert | OFF | clockwise | | |
| | ON | Anti-clockwise | | |
| Tilt invert | Set the rotation direction of Tilt | | | |
| | OFF | clockwise | | |
| | ON | Anti-clockwise | | |
| Hall | Set unit if self-correction of XY | | | |

| correctio | OFF Without self-correction after out of step | | | |
|-------------|---|--|--|--|
| n | ON | Self-correction after out of step and record the default | | |
| Pan | set deviation angle of X motor initial position | | | |
| offset | 4-150 | | | |
| Tilt offset | set deviation | angle of Y motor initial position | | |
| | 4-48 | | | |
| Data | Set the output status without DMX signal | | | |
| keep | OFF | Without FMX signal, all motor and LED lamp will keep | | |
| | the position after reset | | | |
| | ON | N Without DMX signal, keep the last step pf DMX output | | |
| Data | When the fixt | ure has no DMX signal, the output status of the | | |
| retention | fixture | | | |
| | shut down | No signal, so the motor and the light source return | | |
| | | to the position and state when the reset is | | |
| | | completed | | |
| | Open | No signal, keep the last frame of DMX data output | | |

When the power on mode is selected, the lamp will wait for 30 seconds after the power is turned on to allow the light bulb to fully start. After the internal voltage is stable enough, the reset procedure will be started. If the on-site power capacity is stable, it is recommended to turn on the light bulb mode.

When the luminaire cannot calibrate the position, please first check whether the "optocoupler calibration" is turned off.

When the signal is unplugged, if the position of the lamp is not output as expected, please check the "Data Hold" setting first.

When setting the XY offset, after completing the setting, please control the XY with the maximum stroke to check the setting, X Y will not hit the positioning rod or the housing. View the current status of the fixture

Enter the page shown in Figure 6-6, you can view the information and real-time status of the lamp to know the status of the lamp. If the lamp needs to be sold, please provide the status information displayed on this page as a basis for judgment.

Check current status

Get into page like picture 12:

• In this page, can check the current status and version information of light;

| | in check the current status and version information or light; | | | | | |
|------------|---|--|--|--|--|--|
| Motor | Show the infor | mation of all motors and signal in unit | | | | |
| informatio | Hall No information, Indicates that the motor has no Hall | | | | | |
| n | | correction, 0 indicates that the motor leaves the | | | | |
| | | correction position, and 1 indicates that the motor is | | | | |
| | | at the correction position | | | | |
| | status | Display the motor reset completion status | | | | |
| | Pan | Display real-time position value of Pan optocoupler feedback | | | | |
| | Tilt | Display real-time position value of Tilt optocoupler feedback | | | | |
| | Hall | Display the level status of the two signals of the Pan and Tilt optocouplers, binary | | | | |
| Fault / | Display the last 8 fault records during lamp reset and operation. The | | | | | |
| status | fault records are not saved after power off, and the current power- | | | | | |
| recording | on cycle is valid | | | | | |
| | Fault data | The total number of faults detected after power on | | | | |
| | 12: :03 | The power-on time when the fault occurs, in minutes | | | | |
| | Hall fault | When the corresponding motor is reset, the motor does not detect a valid Hall signal | | | | |
| | Hall short | Corresponding to the motor reset, the detected Hall | | | | |

| | circuit | signal of the motor is always valid | | | | |
|-----------------------|--|---|--|--|--|--|
| | Optocoupler | No valid optocoupler signal detected when the | | | | |
| | failure | corresponding motor is reset | | | | |
| Out of step Bumper | | Corresponding motor out of step during operation | | | | |
| | | Corresponding to hitting the positioning rod when the motor is reset | | | | |
| | Lamp failure | Bulb unexpectedly extinguished | | | | |
| | Sensor failure | The temperature sensor signal is abnormal, | | | | |
| | Fan failure | The main fan is not working properly | | | | |
| Lamp | Display the ke | y status data of the current fixture for reference | | | | |
| status | Communicat ion | 0 ~ 100%, the communication quality of the internal data link of the lamp | | | | |
| | Error count | The total number of error frames detected after power on, accumulated | | | | |
| | Light source temperature | Display the current light source temperature, "" means no detection | | | | |
| | Display | Display the current temperature of the display panel | | | | |
| | panel | or the surrounding temperature | | | | |
| | temperature | | | | | |
| | Sensor 1 | Display the current motherboard temperature or the | | | | |
| | temperature | ambient temperature of the motherboard installation location | | | | |
| Version Informatio | Display the current lamp information and version, an important reference for after-sales maintenance | | | | | |
| n | device | The name of the lamp, the same as the RDM equipment information | | | | |
| | model | The model number of the lamp is the same as the model information of RDM | | | | |
| | display board | Display board firmware version and serial number | | | | |
| | board 1 | board 1 firmware version and serial number | | | | |
| Light | | otal accumulated time for turning on the light source, | | | | |
| source | in minutes, the user manually clears it as a time reference for | | | | | |
| time | regular maintenance of the light source | | | | | |
| Lamp time | Record the total accumulated time for turning on the lamp, in minutes, which cannot be cleared | | | | | |

6.DMX CHANNEL ASSIGNMENTS

This product has 36 DMX channels as below:

| Chann el | Function | Value | Description |
|-------------|----------|-------|--------------|
| CH1 | X | 0-255 | 0-540 degree |
| CH2 | X fine | 0-255 | 0-2 degree |
| СНЗ | Υ | 0-255 | 0-270 degree |
| CH4 | Y fine | 0-255 | 0-1 degree |

| CH5 | XY speed | 0-255 | From fast to slow |
|------|----------|-------------|---|
| | | 0-3 | OFF |
| | | 4-127 | Pulse strobe from slow to fast |
| CH6 | Strobe | 128- 191 | Gradual strobe from slow to fast |
| | | 192- 251 | Random strobe from slow to fast |
| | | 252- 255 | ON |
| СН7 | Dimmer | 0-255 | 0-100% linear dimmer |
| CH8 | С | 0-255 | |
| СН9 | М | 0-255 | |
| CH10 | Υ | 0-255 | |
| CH11 | СТО | 0-255 | |
| | | 0-127 | Linear color |
| | | 128- 137 | Color 1 |
| | | 138- 146 | Color 2 |
| | | 147- 155 | Color 3 |
| | | 156- 164 | Color 4 |
| CH12 | Color | 165- 173 | Color 5 |
| | | 174- 182 | Color 6 |
| | | 183- 191 | Color 7 |
| | | 192- 222 | Clockwise flowing water effect from fast to slow |
| | | 223- 224 | Stop |
| | | 225- 255 | Anti-clockwise flowing water effect from slow to fast |

| | | 0.407 | Mayor aver |
|------|---------------|-------------|---|
| CH13 | CRI | 0-127 | Mover away |
| 20 | V IXI | 128- 255 | Insert |
| | | 0-9 | White |
| | | 10-19 | Gobo 1 |
| | | 20-29 | Gobo 2 |
| | | 30-39 | Gobo 3 |
| | | 40-49 | Gobo 4 |
| | | 50-59 | Gobo 5 |
| | | 60-69 | Gobo 6 |
| | | 70-79 | Shaking gobo 1 from slow to fast |
| | | 80-89 | Shaking gobo 2 from slow to fast |
| CH14 | Fixed gobo | 90-99 | Shaking gobo 3 from slow to fast |
| | | 100- 109 | Shaking gobo 4 from slow to fast |
| | | 110- 119 | Shaking gobo 5 from slow to fast |
| | | 120- 129 | Shaking gobo 6 from slow to fast |
| | | 130- 190 | Clockwise flowing water effect from fast to slow |
| | | 191- 192 | Stop |
| | | 193- 255 | Anti-clockwise flowing water effect from slow to fast |
| | | 0-9 | White |
| | | 10-19 | Gobo 1 |
| | | 20-29 | Gobo 2 |
| CH15 | Rotation gobo | 30-39 | Gobo 3 |
| | | 40-49 | Gobo 4 |
| | | 50-59 | Gobo 5 |
| | | 60-69 | Gobo 6 |

| | | 70-79 | Shaking gobo 1 from slow to fast |
|------|---------------|-------------|---|
| | | 80-89 | Shaking gobo 2 from slow to fast |
| | | 90-99 | Shaking gobo 3 from slow to fast |
| | | 100- 109 | Shaking gobo 4 from slow to fast |
| | | 110- 119 | Shaking gobo 5 from slow to fast |
| | | 120- 129 | Shaking gobo 6 from slow to fast |
| | | 130- 190 | Clockwise flowing water effect from fast to slow |
| | | 191- 192 | Stop |
| | | 193- 255 | Anti-clockwise flowing water effect from slow to fast |
| | | 0-127 | 0-400 degree |
| | Gobo rotation | 128- 190 | Clockwise flowing water effect from fast to slow |
| CH16 | | 191- 192 | Stop |
| | | 193- 255 | Anti-clockwise flowing water effect from slow to fast |
| | | 0-10 | Mover away |
| CH17 | Effect insert | 11-255 | Linear insert |
| | | 0-2 | Stop |
| CH18 | Gobo wheel | 3-128 | Clockwise flowing water effect from fast to slow |
| | | 129- 255 | Anti-clockwise flowing water effect from slow to fast |
| CH19 | Focus | 0-255 | From far to near |
| CH20 | Focus fine | | |
| CH21 | Zoom | 0-255 | From small to big |
| | Prism 1 | 0-63 | Move prism away |
| CH22 | | 64-127 | Prism 1 |

| I | I | 1 1 | | |
|------|---------------------|-------------|---|--|
| | | 128- 191 | Prism 2 | |
| | | 192- 255 | Prism 1+prism 2 | |
| CH23 | Prism 1 rotation | 0-127 | 0-400 degree | |
| | | 128- 187 | Clockwise flowing water effect from fast to slow | |
| | | 188- 195 | Stop | |
| | | 196- 255 | Anti-clockwise flowing water effect from slow to fast | |
| | Prism 2 rotation | 0-127 | 0-400 degree | |
| CH24 | | 128- 187 | Clockwise flowing water effect from fast to slow | |
| | | 188- 195 | Stop | |
| | | 196- 255 | Anti-clockwise flowing water effect from slow to fast | |
| CH25 | Frost | 0-127 | No | |
| | | 128- 255 | Frost | |
| CH26 | Blade 1 | 0-255 | Linear insert | |
| CH27 | Blade 2 | 0-255 | Linear insert | |
| CH28 | Blade 3 | 0-255 | Linear insert | |
| CH29 | Blade 4 | 0-255 | Linear insert | |
| CH30 | Blade 5 | 0-255 | Linear insert | |
| CH31 | Blade 6 | 0-255 | Linear insert | |
| CH32 | Blade 7 | 0-255 | Linear insert | |
| СН33 | Blade 8 | 0-255 | Linear insert | |
| CH34 | Blade wheel | 0-255 | Blade degree 0-90 | |
| CH35 | Iris | 0-255 | From big to small | |
| СН36 | Function | 210- 215 | Reset XY after 3 seconds | |
| | | 220- | Reset effect motor after 4 seconds | |

| 235 | |
|-------------|----------------------------------|
| 240- 255 | Reset whole unit after 5 seconds |

7. CLEANING

In order to make the fixture in good condition and extend the life time, we suggest a regular cleaning to the fixture.

- Clean the inside and outside lens each week to avoid the weaknesses of the fixture due to accumulation of the dust.
- Clean the fan each week.
- A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents. There are no serviceable parts inside the device. Should you need any spare parts, please order genuine parts from us.

8 Normal faulty and using attention

1) Normal faulty solution

There are professional parts like mainboard, power supply in lights. Non-professionals mustn't disassemble item and parts without authorization.

Beam seems dim

Possible reason: service time of lamp is long or light patch is not clean, the solution is as following:

Check if the lamp is out of life or not, change new lamp;

Check if the optical part and lamp is clean or not. Please clean the lamp and other parts regularly.

2. Gobo is not clear

Check if the channel value of focus is suitable the current projection distance or not.

3. Light works intermittently.

Possible reason: The internal wiring is in protection state. The solution is as following:

Check if the fan works or is dirty:

Check the switch of temperature control is on or off;

Check if the lamp is out of life or not, change new lamp

4. The light can't be controlled after reset.

Possible reason: problem signal line or the value of channel is wrong, the solution is as following:

Check the initial address code and connection state of DMX signal line(the signal line is good or not, the XLR is loose or not);

Add signal amplifier, and 120-ohm terminal resistance;

5. Light can't be started

Possible reason: power circuit is poor, solution is as following:

Check if the fuse is broken or not, change new fuse;

Check if there is the poor connection because of long transportation;

Check the input power supply, mainboard and other parts.

2) Using attention

Check if the local power is suitable for the rated voltage or not, leakage protector and over-current protector is suitable for the electrical load or not;

Don't use the power line with damaged insulating layer, don't connect the power line with other guide wire;

Please clean the fans and parts every month. Otherwise the bad cooling system will cause some problem;

In installation, the fixed screw must be fastening and there is must with safety rope with regular check;

Easily flammable materials, e.g. decoration material and other surfaces and objects, must maintain a minimum distance of 3m to the housing! walls must maintain a minimum distance of 50cm to the housing! The device must be installed on a fireproof surface only (no carpet)! Always ensure a proper circulation of air;

The continuous working hours should not be more than 10 hour and the interval time should be more than 10 minutes before restarting, otherwise the lamp will not be on because of over temperature protection;

If you want the shutter for a long time, please use controller to close lamp;

In order to make many lights follow scene effect, the light shouldn't stay in unfinished scene for more than 3 minutes, then many lights can work on same step.

Please stop it if there is abnormal during usage.

3). The caution of RDM

RDM is the extend version of DMX512-A protocol, and it is Remote Device Management protocol. The traditional DMX512 is the simplex communication that based on RS-485 bus.RS-485 is the time-sharing and half-duplex protocol, it only allows one interface as the unit output at same time. Therefore, please following the next caution::

Please use the controller what support RDM protocol;

Please use the duplexing signal amplifier;

Please set all lights on DMX mode and keep only on master unit with signal line to controller;

Between pin 2 and 3 of terminal plug, please insert one 120ohm resistance. Then signal will be very stable;

When the lights can be controller by DMX, but can't search items by RDM, please check the signal amplifier firstly, then check if there is poor contact between the Pin 2 and 3 of signal line