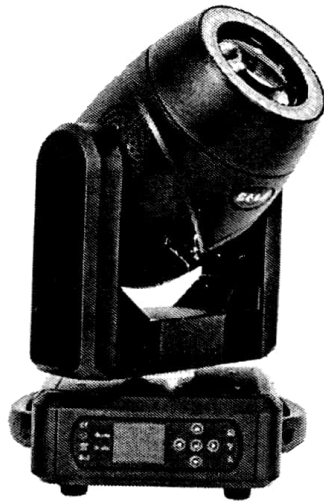# 80W LED beam light
# **Manual**

Please read the instructions carefully before using the product

Thanks for choosing to use our 80WLED beam lamp. For proper and safe use of the appliance, read the instructions carefully before installing and using this product. This manual contains important installation and application information, and please strictly observe the instructions when installing and operating the product. At the same time, please keep this manual safely.

Our 80W beam lamp uses a new beautiful high temperature metal body. This product strictly follows CE standards for design and production, in line with international standards DMX512 signal protocol, can be used alone control, can also be used online, with fast rotation, low noise, powerful features, suitable for small and medium-sized concerts, theatres, studios, nightclubs and bars and other places,

This product uses bright and stable 80W LED beads. Please remove the package carefully, check that the product is damaged during transport after the packaging is removed, and check that the following is complete.

1 -------- beam lamp

2-------- Hanger                          1 -------- the instruction manual

1 -------- power cord                     1 -------- signal line

**This product is in good condition before it is shipped from the factory. To keep the appliance in good condition and to ensure safe operation, the user should follow the safety concerns and the warnings in this instruction manual.**

**Important:** Damage caused by non-compliance with this instruction is not covered by the warranty. The supplier is not responsible for the resulting product problems.

If the appliance has been exposed to extremely unstable temperature conditions (e.g. after transport), do not immediately power the appliance, as water droplets due to temperature changes may damage the product. Use the appliance until it has returned to normal temperature.

This product can be used in the 90-240V voltage range and is used indoors. Make sure that the ground voltage used is not higher than the product can withstand!! The power plug must be plugged into a protective Class I socket. Green or tea-cyan conductors must be grounded.

Check this product-grade power cord frequently. Make sure that the power cord does not fold or damage scratches and is not connected to other wires! Special care needs to be taken when connecting power cords or related connections. Always unplug the appliance when not using it or before cleaning.

Before using the product, familiarize yourself with the operating functions of the product. Do not expose children or non-professionals to the product. Do not shake the appliance. Do not use brute force when installing or operating the product. Do not

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allow unso professionals to operate the product. Most of the damage is caused by unprofessional operation.

The appliance is not equipped with the relevant service accessories. Product maintenance and repair can only be carried out by professionals!

Do not alter the appliance without authorization, as it may damage the product and the damage is not covered by the warranty. Also, unprofessional operation can cause short circuits, burns or electric shocks, and so on.

# DMX512 signal connection:

This luminaire is using the DMX512 signal control mode, each luminaire control signal is in parallel, when connecting multiple lamp signals, it is best to use a two-core shielded cable. When connected, each luminaire is connected by the DMX signal jack (Cannon seat) INPUT (input) and OUTPUT (output) on the lamp, and the 3-cell XLR plug terminals connecting the lamp signal lines must correspond to each other, and the DMX signal terminal is recommended when connecting the luminaire signal. Avoidable, due to the damage to the control signal caused by the noise of electricity, the DMX signal terminal is an XLR plug connecting between the 2nd and 3nd feet of a 120 ohm 1W resistor and connecting it to the OUTPUT (output) jack of the last luminaire.

How to calculate the starting address code of the luminaire:

The starting address code of the current luminaire is equal to (the starting address code of the previous luminaire) and (the number of channels for the lamp) indicates:

1: The starting address code value of the first lamp is A001.

2: The basic number of channels of the controller should be greater than or equal to the total number of channels used for lamps.

3: Note: When using any controller, each lamp should have its own starting address code, if the first

The starting address code of a lamp is set to A001, and the pass number of lamps is 18CH; Then the starting address code for the second lamp
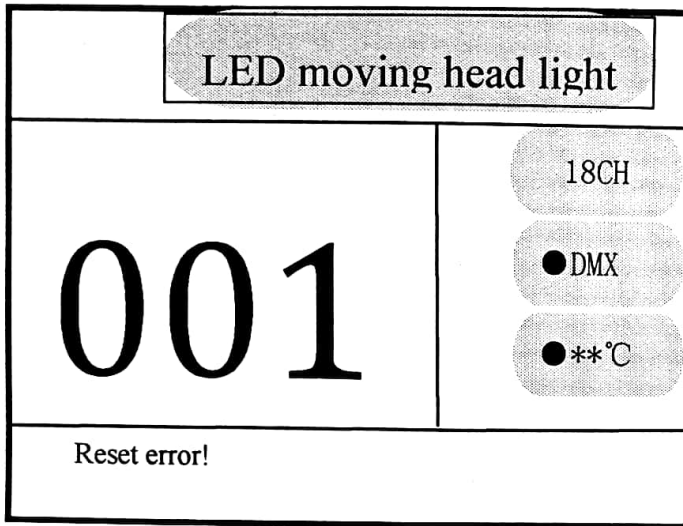
Set to A019; The starting address code of the third lamp is set to A033; Such an analogy, (this setting also requires a different consoles to determine)

Installation instructions for lamps:

This lamp can be placed horizontally, diagonally and upside down, diagonally and upside down must pay attention to the installation method. Lamp fixed installation: before positioning the lamp, to ensure the stability of the installation site, in reverse hanging installation, must ensure that the lamp does not fall on the support frame, to use safety ropes through the support frame and lamp handle, to carry out auxiliary hanging; To ensure safety. Prevent lamps from falling and sliding, lamps in the

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installation and commissioning, pedestrians are prohibited below, regularly check whether the safety rope is wear, hook screws are loose, if because of the suspension installation is not stable, resulting in the lamp fall and all consequences, the manufacturer does not assume any responsibility.

● Menu desktop

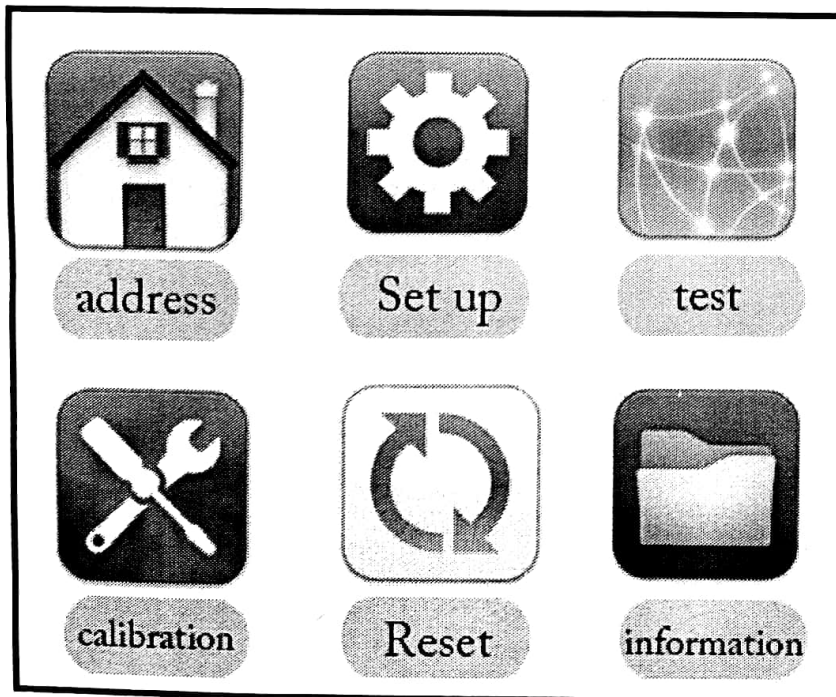| LED moving head light | |
|---|---|
| 001 | 18CH |
| | ●DMX |
| | ●**°C |
| Reset error! | |

◆ Luminaire
current number of channels
◆DMX : The current mode of operation
◆**°C : The current temperature

◆The system error times the wrong area

● The menu's first interface



address     Set up     test

calibration     Reset     information

◆Address: Click to enter the address code settings
◆Settings: Click to enter the system settings

◆Test: Click to enter manual mode
◆Calibration: Click on the input password to enter the system calibration mode
◆Reset: Click to enter system reset mode
◆Info: Click to view system information

# ● DMX channel mode

## 18 DMX channels

| Serial number | Channel function | numeric value | description |
|---|---|---|---|
| 1 | X | 0-255 | 0—540° |
| 2 | X fine-tuning | 0-255 | X-axis16bit |
| 3 | Y | 0-255 | 0—270° |
| 4 | Y fine-tuning | 0-255 | Y-axis16bit |
| 5 | XY speed adjustment | 0-255 | Fast --- slow |
| 6 | Dimming | 0-255 | 0%-100%Dimming |
| 7 | strobe | 0-3 | Turn off the lights |
| | | 4-103 | Synchronized strobe |
| | | 104-107 | Turn on the lights |
| | | 108-207 | Pulse strobe |
| | | 208-212 | Turn on the lights |
| | | 213-225 | Low-speed random strobe |
| | | 226-238 | Medium-speed random strobe |
| | | 239-251 | High-speed random strobe |
| | | 251-255 | Turn on the lights |
| 8 | color | 0-6 | white |
| | | 7-11 | Color 1 |
| | | 12-16 | Color 2 |
| | | 17-21 | Color 3 |
| | | 22-26 | Color 4 |
| | | 27-31 | Color 5 |
| | | 32-36 | Color 6 |
| | | 37-41 | Color 7 |
| | | 42-46 | Color 8 |
| | | 47-51 | Color 9 |
| | | 52-56 | Color 10 |
| | | 57-61 | Color 11 |
| | | 62-66 | Color 12 |
| | | 67-71 | Color 13 |
| | | 72-75 | White light and color 1 |
| | | 76-79 | Color 1 plus color 2 |

| | | | |
|---|---|---|---|
| | | 80-83 | Color 2 plus Color 3 |
| | | 84-87 | Color 3 plus color 4 |
| | | 88-91 | Color 4 plus color 5 |
| | | 92-95 | Color 5 plus color 6 |
| | | 96-99 | Color 6 plus color 7 |
| | | 100-103 | Color 7 plus Color 8 |
| | | 104-107 | Color 8 plus color 9 |
| | | 108-111 | Color 9 plus color 10 |
| | | 112-115 | Color 10 plus color 11 |
| | | 116-119 | Color 11 plus color 12 |
| | | 120-123 | Color 12 plus color 13 |
| | | 124-127 | Color 13 plus white light |
| | | 128-189 | Flow from fast to slow counterclockwise |
| | | 190-193 | Stop running water |
| | | 194-255 | Flow from slow to fast clockwise |
| 9 | pattern | 0-7 | White light hole |
| | | 8-11 | Pattern 1 |
| | | 12-15 | Pattern 2 |
| | | 16-19 | Pattern 3 |
| | | 20-23 | Pattern 4 |
| | | 24-27 | Pattern 5 |
| | | 28-31 | Pattern 6 |
| | | 32-35 | Pattern 7 |
| | | 36-39 | Pattern 8 |
| | | 40-43 | Pattern 9 |
| | | 44-47 | Pattern 10 |
| | | 48-51 | Pattern 11 |
| | | 52-55 | Pattern 12 |
| | | 56-59 | Pattern 13 |
| | | 60-69 | Pattern 1 is slow to fast jitter |
| | | 70-79 | Pattern 2 is slow to fast jitter |
| | | 80-89 | Pattern 3 is slow to fast jitter |
| | | 90-99 | Pattern 4 is slow to fast jitter |
| | | 100-109 | Pattern 5 is slow to fast jitter |
| | | 110-119 | Pattern 6 is slow to fast jitter |
| | | 120-129 | Pattern 7 is slow to fast jitter |
| | | 130-139 | Pattern 8 is slow to fast jitter |
| | | 140-149 | Pattern 9 is slow to fast jitter |
| | | 150-159 | Pattern 10 is slow to fast jitter |

| | | 160-169 | Pattern 11 is slow to fast jitter |
|---|---|---|---|
| | | 170-179 | Pattern 12 is slow to fast jitter |
| | | 180-189 | Pattern 13 is slow to fast jitter |
| | | 190-221 | Flow from fast to slow counterclockwise |
| | | 222-223 | Stop running water |
| | | 224-255 | Flow from slow to fast clockwise |
| 10 | prism | 0-31 | The prism is cut out |
| | | 32-63 | Prism cut in |
| | | 128-255 | Prism spins |
| 11 | Focusing | 0-255 | Linear focus |
| 12 | reposition | 0-240 | Invalid zone |
| | | 241-255 | Reset all |
| 13 | The light circle is red | 0-255 | 0%-100% dimming |
| 14 | The light circle is green | 0-255 | 0%-100% dimming |
| 15 | The light circle is blue | 0-255 | 0%-100% dimming |
| 16 | The light ring strobes | 0-3 | Turn off the lights |
| | | 4-255 | Synchronized strobe |
| 17 | Auxiliary light effect | 0-4 | No effect |
| | | 5-9 | Effect 1 |
| | | 10-14 | Effect 2 |
| | | ... | Count one effect for every 5 |
| | | 251-255 | Effect 51 |
| 18 | Effect speed | 0-255 | From slow to fast |

# ● The menu structure

| Main menu | Submenu menu | Three-level menu / parameter |
|---|---|---|
| address | 001 – 512 | (Add the number of channels per time, minus normal) |
| System settings | Address code | 001-512 |
| | Run mode | DMX/self-walk/voice control |
| | Channel mode | 18CH |
| | The default position of the X-axis | 000-255 |
| | The default position of the Y-axis | 000-255 |

| | X-axis inversion | On/off |
|---|---|---|
| | Y-axis inversion | On/off |
| | XY axis exchange | On/off |
| | Signal hold | On/off |
| | Color linear change | On/off |
| | Optocoupling error correction | On/off |
| | Hall corrected the error | On/off |
| | Backlight time | 15 sec. / 30 sec . / 60 sec. / Ryo Tokoro |
| | The screen is reversed | Normal/Reverse/Automatic |
| | language | Chinese/EN |
| | Synchronize updates | above |
| | | Perform the update |
| | Restore factory settings | Confirm |
| | | Cancel |
| Manual mode | The current channel mode channel | 0-255 |
| System calibration | Enter your password | Lamp calibration |
| The system resets | head | Confirm |
| | XY | Confirm |
| | all | Confirm |
| System information | Reset the error message | Displays a reset error message |
| | DMX data monitoring | The channel value of the receiving console |
| | Sensor information | Hall information |
| | | X-ray coupling information |
| | | Y optocoupling information |
| | The hardware version | Displays the hardware version |
| | The software version | Displays the software version |
| | The time of use | Displays the usage time |

➤ **The screen rotates automatically**

The system automatically rotates the screen according to the direction of gravity, eliminating the need for manual rotation. You can also turn off the auto-rotation function.

➤ **Manual control**

This interface is used to control the current luminaire.

Press OK to enter the editing state. Press the "up" and "down" key to change the channel value. Press OK again to save the modified value, exit the edit, press "exit" not to save the modified value, directly exit the edit.

➤ **System calibration**

Here is a layer of passwords to prevent non-professionals from mishandling. Press OK for password verification.

| Options | illustrate |
|---|---|
| Initial position calibration | After entering the sub-interface, the reset position of the X-axis,Y-axis and other motors can be adjusted to make up for the error in the hardware installation, the adjustment range is 0 to 255,127 indicates that there is no adjustment. |
| Travel calibration | After entering the sub-interface, the travel of motors such as X-axis andY-axis can be adjusted, with adjustment ranges from 0 to 255,and 127 indicating no adjustment. |
| Force calibration | After entering the sub-interface, you can adjust the strength of the X-axis,Y-axis and other motors, adjusting the range from 0 to 255,127 indicates that there is no adjustment. |
| Speed calibration | After entering the sub-interface, you can adjust the speed of the X-axis,Y-axis and other motors, adjust the range 0 to 255,127 indicates that there is no adjustment. |
| Fan control | Set the control fan mode |
| Other calibrations | Voice sensitivity calibration, and password modification |
| Advanced calibration | Reserved features |
| Synchronize updates | Select the above modifications to update to another luminaire synchronously, and "on" means to update the content |

➤ **reposition**

Press the "up" and "down" key to switch reset mode, press OK and reset directly.

| Options | illustrate |
|---|---|
| head | Effect disk reset except XY |
| XY | Only the XY axis resets |
| all | The lamp is reset |

➤ **System information**

| Options | illustrate |
|---|---|
| Reset the error message | If the red ERR light comes on, the luminaire is running incorrectly and the details can be viewed through the sub-interface. |
| DMX data monitoring | This enters the sub-interface to display channel values numerically for viewing |
| Sensor information | Real-time monitoring of the lamp on a variety of photoelectric switches, Hall and other sensor status |
| Hardware version number | Luminaire hardware information |
| Software version number | The software version of the luminaire |
| Total usage time | Cumulative usage time (accurate to minutes) |

➢ **The screen rotates automatically**

The system automatically rotates the screen according to the direction of gravity, eliminating the need for manual rotation. You can also turn off the auto-rotation function.

➢ **Enter your password**

Here is a layer of passwords to prevent non-professionals from mishandling. The default password for power-on is"0000"and the default is to press OK directly to enter.

# Technical parameters:

Light source:1    80W white LED    module

Lens peripheral auxiliary light:32    0.5WRGB 3-in-1 LEDs

Light lifetime:20,000 hours

13 colors plus white, color flowing, macro effect

1 fixed pattern disc with 13 fixed patterns and white light

1 rotating 8 prisms

Electronic strobe

Electrons 0-100% linear dimming

Level 540degrees

Vertical 240degrees

An electro-optical reset system with automatic error correction is used horizontally and vertically

Control channels: 18 DMX channels

Protocol:DMX512

Menu display: LCD screen, Chinese and English language at will switch, font can be reversed 180degrees display

power supply

AC100-240V,50/60Hz

Switch the power supply

Input power:250W,power factor PF≥0.98

Operating temperature

- 10°~45°

Weight and size

Net weight of lamp body:7.5kg

Size:250×180×405mm

How to pack it

Cartons: one pack and two

Protection level

IP20

# Maintenance and maintenance:

Shutdown operation: Turn off the light bulb for 10 minutes before each shutdown. Let the heat dissipation fan use the heat

generated in the lamp, quickly discharge, which can extend the lamp accessories, especially the life of the bulb! In order to ensure that the lamp can run steadily, should keep it clean, open the lamp for repair or start maintenance work before confirming whether the power supply is disconnected, keep the lamp clean, clean is very important, please clean regularly, not only to maintain maximum brightness output, but also to extend the life of the lamp, it is recommended to use high-quality glass cleaning agent and use clean soft cloth to clean, lamp internal vacuum cleaner at least once half a year cleaning.