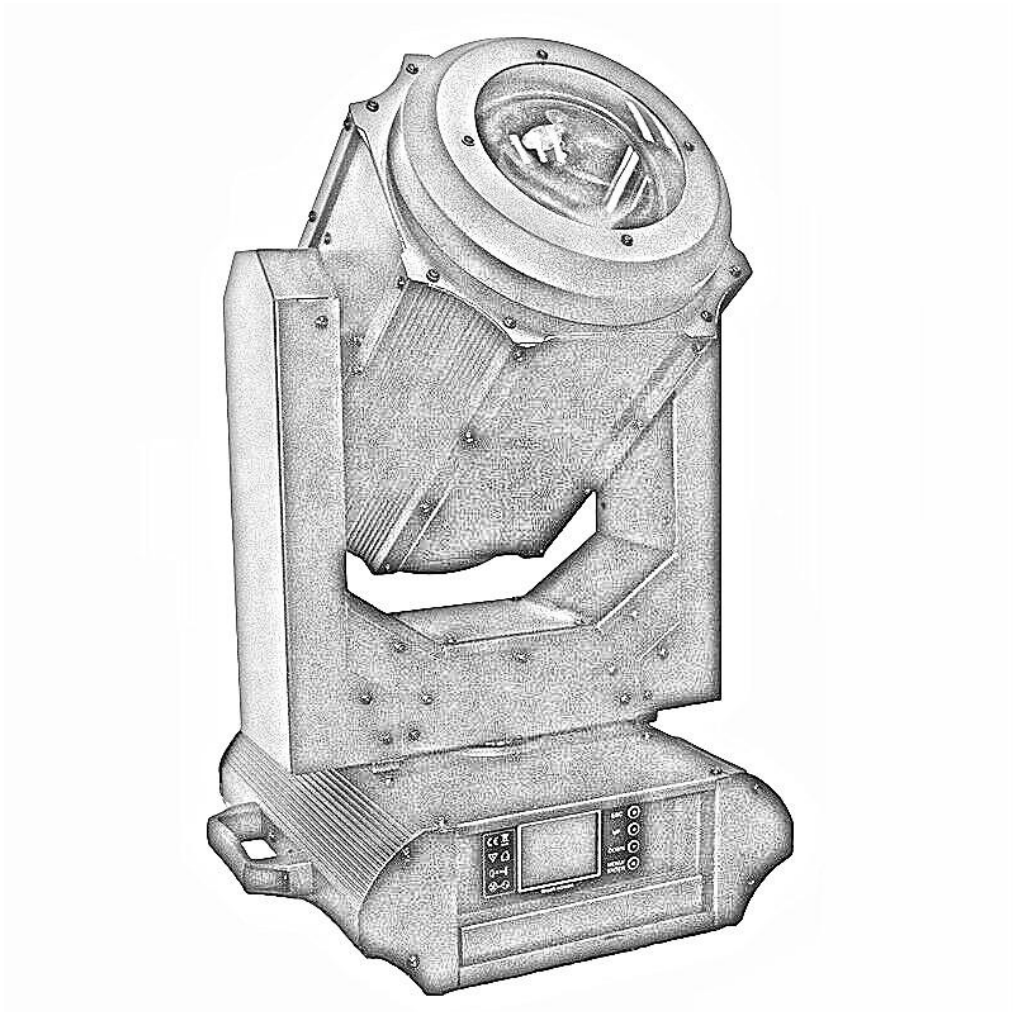


---

# User Manual

**350w warterproof moving head beam light**



## Display screen operation:

| The SM position is corrected by the number of fourth keys on the Internet. |   |                           |                  |                   |   |             |         |            |                           |
|--|---|---------------------------|------------------|-------------------|---|-------------|---------|------------|---------------------------|
| Main screen display  |   | 001 small font +LOGO      |                  |                   |   |             |         |            | Key representation        |
| First layer menu   | Second layer menu                       |                           | Third layer menu |                   |   |             |         |            |                           |
| DMX address (0-512)  | save                                    |                           |                  |                   | Schematic diagram of the main interface |             |         |            |                           |
|  | Back                                    |                           |                  | Features settings | Manual                                  | information | display | light bulb |                           |
| Back   | Return to the LOGO interface            |                           |                  | DMX address       |   |             |         |            | Inverted                  |
| Chinese / English display  | Switch the language of the menu display |                           |                  |                   |   |             |         |            | Chinese / English display |
| Inverted   | Switch the display direction            |                           |                  |                   |   |             |         |            | Back                      |
| Lamp   | default                                 | Open/close                |                  |                   |   |             |         |            |                           |
|  | Manual control                          | Open/close                |                  |                   |   |             |         |            |                           |
|  | Electronic bubble                       | Open/close                |                  |                   |   |             |         |            |                           |
|  | Back                                    | Back to the previous menu |                  |                   |   |             |         |            |                           |
| display setting  | Backlight brightness                    | 1-7 level                 |                  |                   |   |             |         |            |                           |

|                    |                      |   |                          |  |  |  |  |  |
|--------------------|----------------------|---|--------------------------|--|--|--|--|--|
|                    | Backlight delay      | 10S/20S/30S/Always light                              |                          |  |  |  |  |  |
|                    | The menu is returned | 10/20/31S/Do not return                               |                          |  |  |  |  |  |
|                    | Backlight flashes    | Open/close  |                          |  |  |  |  |  |
|                    | Save                 | Save the setting data and return to the previous menu |                          |  |  |  |  |  |
|                    | Back                 | Return to the previous menu without saving the data   |                          |  |  |  |  |  |
| <b>information</b> | Channel level        |   | CH1-CH18 (0-255)         | Description: When inquiring about this level, it indicates that the corresponding address is started when connected to the MDX console 的 18 个通道的 DMX 值 |  |  |  |  |
|                    |                      |   | back                     |  |  |  |  |  |
|                    | Other information    |   | operation hours (0-9999) | Machine power up time  |  |  |  |  |
|                    |                      |   | Number of runs (0-9999)  | Machine boot number  |  |  |  |  |
|                    |                      |   | Time left (0-9999)       | When the run time is set, this is the set time - run time  |  |  |  |  |
|                    |                      |   | remaining times (0-9999) | When set the number of runs, this number is the number of settings - the number of runs  |  |  |  |  |
|                    |                      |   | Fan 1 (0-9999)           | Fan 1 speed (reserved)   |  |  |  |  |
|                    |                      |   | Fan 2 (0-9999)           | Fan 2 speed (reserved)   |  |  |  |  |
|                    |                      |   | Temperature 1 (0-100)    | Temperature 1 Display (Reserved)   |  |  |  |  |
|                    |                      |   | Temperature 2 (0-100)    | Temperature 2 Display (Reserved)   |  |  |  |  |
|                    |                      |   | Motherboard 1 software   |  |  |  |  |  |
|                    |                      |   | Motherboard 2 software   |  |  |  |  |  |
|                    |                      |   | Motherboard 3 software   |  |  |  |  |  |
|                    |                      |   | back                     | Return to the previous menu  |  |  |  |  |

|                   |                  |                             |                         |   |
|-------------------|------------------|-----------------------------|-------------------------|---|
|                   | Error message    |                             | Color film error        | The error message appears on the display when it appears  |
|                   |                  |                             | Rotation pattern error  |   |
|                   |                  |                             | Fixed pattern error     |   |
|                   |                  |                             | X error                 |   |
|                   |                  |                             | Y error                 |   |
|                   |                  |                             | Figure rotation error   |   |
|                   |                  |                             | Prism error             |   |
|                   |                  |                             | Gradient error          |   |
|                   |                  |                             | Prism rotation error    |   |
|                   |                  |                             | Gradient rotation error |   |
|                   |                  |                             | Enlarge error           |   |
|                   |                  |                             | Focal length error      |   |
|                   |                  |                             | Back                    |   |
| Manual            | Light reset      |                             | All motors              | Control motor reset, first select the motor you want to reset, and then click Yes, the motor can be reset, and the interface shows the corresponding motor is reset; if you click on or return to the previous menu |
|                   |                  |                             | Local motor             |   |
|                   |                  |                             | XY motor                |   |
|                   |                  |                             | Yes                     |   |
|                   |                  |                             | no                      |   |
|                   | Test run         |                             | automatic               | When you click the Auto or Voice menu, the XX mode will pop up, and the light will run automatically or voice-activated (reserved). When the point is returned, the running mode will be exited                     |
|                   |                  |                             | Voice control           |   |
|                   |                  |                             | return                  |   |
|                   | Analog console   |                             | CH1-CH32 (0-255)        | This mode is manual control of the lamp, and the signal priority DMX console  |
|                   |                  |                             | return                  |   |
| Features settings | Operating mode   | Wireless / Auto / DMX       |                         |   |
|                   | Channel mode     | Standard / Compact / Custom |                         |   |
|                   | Reverse level    | Open close                  |                         |   |
|                   | Vertical reverse | Open close                  |                         |   |
|                   | XY speed         | Normal / slow / fast        |                         |   |
|                   | X-axis angle     | 360/540/                    |                         |   |

|  |                       |  |                 |                             |  |
|--|-----------------------|--|-----------------|-----------------------------|--|
|  |                       | 630  |                 |                             |  |
|  | Optocoupler detection | Open<br>close  |                 |                             |  |
|  | No DMX signal         | Keep /<br>clear  |                 |                             |  |
|  | Color function        | Half-color<br>/ full-color   |                 |                             |  |
|  | Shortest distance     | Open<br>close  |                 |                             |  |
|  |                       |  |                 |                             |  |
|  | Reset                 | This reset is mainly for the property settings and in / English, inversion, light bulb and display settings related to reset; click directly back to the main interface. |                 |                             |  |
|  | save                  | Saves the character setting data changes and returns to the previous level   |                 |                             |  |
|  | back                  | After the change is not saved and return to the previous level   |                 |                             |  |
|  | advanced              |  | Zero adjustment | Rotate horizontally (0-255) | This menu operation can pull the slider to quickly change the point << change the minimum, the point >> change the maximum, point <decrease one, point> plus one |
|  |                       |  |                 | Rotate vertically (0-255)   |  |
|  |                       |  |                 | Fixed pattern (0-255)       |  |
|  |                       |  |                 | Rotate the pattern (0-255)  |  |
|  |                       |  |                 | Color plate (0-255)         |  |
|  |                       |  |                 | focusing (0-255)            |  |
|  |                       |  |                 | enlarge (0-255)             |  |
|  |                       |  |                 | Strobe (0-255)              |  |
|  |                       |  |                 | Prism (0-255)               |  |
|  |                       |  |                 | Prism 二 (0-255)             |  |
|  |                       |  |                 | Pattern rotation (0-255)    |  |
|  |                       |  |                 | Atomization                 |  |

|  |  |  |                    |                                      |  |
|--|--|--|--------------------|--------------------------------------|--|
|  |  |  |                    | (0-255)                              |  |
|  |  |  |                    | Gradient rotation (0-255)            |  |
|  |  |  |                    | Atomization two (0-255)              |  |
|  |  |  |                    | save                                 |  |
|  |  |  |                    | return                               |  |
|  |  |  |                    |                                      |  |
|  |  |  | Channel definition | Color wheel rotatio                  | <p>This function is customized for the channel. You must set the channel mode in the feature setting to be customized. The default is 1-14. If the corresponding channel is set to 0, the related function is not used. Click to change the channel number sequentially.</p> |
|  |  |  |                    | Flash control                        |  |
|  |  |  |                    | Dimming control                      |  |
|  |  |  |                    | Fixed pattern                        |  |
|  |  |  |                    | Prism insert                         |  |
|  |  |  |                    | Prism rotation                       |  |
|  |  |  |                    | Atomization effect                   |  |
|  |  |  |                    | Focus control                        |  |
|  |  |  |                    | Rotate horizontally                  |  |
|  |  |  |                    | Fine-tuning                          |  |
|  |  |  |                    | Rotate vertically                    |  |
|  |  |  |                    | Fine-tuning vertically               |  |
|  |  |  |                    | Reset control                        |  |
|  |  |  |                    | XY speed                             |  |
|  |  |  |                    | save                                 |  |
|  |  |  |                    | return                               |  |
|  |  |  |                    |                                      |  |
|  |  |  | Factory setting    | X drive wheel (0-255)                | <p>This menu operation can pull the slider to quickly change the point &lt;&lt; change the minimum, the point &gt;&gt; change the maximum, point &lt;decrease one, point&gt; plus one</p>  |
|  |  |  |                    | X driven wheel (0-255)               |  |
|  |  |  |                    | Y drive wheel (0-255)                |  |
|  |  |  |                    | Y driven wheel (0-255)               |  |
|  |  |  |                    | Rectifier (total 5V / common ground) |  |
|  |  |  |                    | Y-axis angle (0-255)                 |  |
|  |  |  |                    | Boot image (neutral /                |  |

|  |  |  |                |                                |  |                                   |
|--|--|--|----------------|--------------------------------|--|-----------------------------------|
|  |  |  |                | custom)                        |  |                                   |
|  |  |  |                | Keyboard (four keys / Shuttle) |  |                                   |
|  |  |  |                | Use password 1 (0-255)         |  |                                   |
|  |  |  |                | Use password 2 (0-255)         |  |                                   |
|  |  |  |                | Factory password 1 (0-255)     |  |                                   |
|  |  |  |                | Factory password 1 (0-255)     |  |                                   |
|  |  |  |                | save                           |  |                                   |
|  |  |  |                | return                         |  |                                   |
|  |  |  | Use management | Limit settings                 | limited time   | Set the machine time              |
|  |  |  |                |                                | Limit the number of times  | Set the number of machines to use |
|  |  |  |                |                                | Use password 1 (0-255)   | You can modify the password       |
|  |  |  |                |                                | Use password 2 (0-255)   |                                   |
|  |  |  |                |                                | save   |                                   |
|  |  |  |                |                                | return   |                                   |
|  |  |  |                |                                |  |                                   |
|  |  |  |                | default allocation             | Click to pop up an interface, the election will reset the factory settings, zero adjustment, property settings and the main interface can be set to the relevant data reset; |                                   |
|  |  |  |                |                                |  |                                   |
|  |  |  |                |                                |  |                                   |
|  |  |  |                |                                |  |                                   |
|  |  |  |                |                                |  |                                   |
|  |  |  |                |                                |  |                                   |
|  |  |  |                | return                         |  |                                   |

---

## Technical Parameters:

Channel mode: 18;

Light source: OSRAM SIRIUS HRI 350;

Voltage: 110-240V, 50 / 60Hz;

Power: 600W;

Display: 2.8 inch touch screen, can be reversed 180 °;

Color plate: 14 color film + white light;

Fixed pattern plate: 14 patterns + flow pattern; one can flow pattern effect;

Prism: prism consists of two prism discs;

Prism plate one: one 8+16 prism,

Prism plate two: a straight line 6 prisms,

Light angle: 4 ° or 6 °;

Dimming: 0-100% mechanical dimming, mechanical strobe and support

Speed strobe effect, strobe macro support, lens group optical system

The use of optical reset system, when misoperation occurs automatically

Search reset

Positioning technology: the use of magnetic positioning system using magnetic devices instead of the traditional Hall positioning system, higher accuracy, high performance and reliability.

Level: 540 °, resolution 8 / 16Bit;



Vertical: 270 °, resolution 8 / 16Bit;

IP protection level: IP65;

## Channel table:

| Channel | Name              | Value   | Description                    |
|---------|-------------------|---|--------------------------------|
| CH1     | X axis            | 0-255   | 0-540 degrees                  |
| CH2     | Y axis            | 0-255   | 0-270 degrees                  |
| CH3     | XY speed          | 0-255   | from fast to slow              |
| CH4     | built-in program  | 0-31  | NO                             |
|         |                   | The above built-in program, the amplitude is small, CH3 speed |                                |
|         |                   | 32-63   | round                          |
|         |                   | 64-95   | 8 words                        |
|         |                   | 96-127  | Triangular                     |
|         |                   | 128-159   | Square                         |
|         |                   | 160-191   | X axis                         |
|         |                   | 192-223   | Y axis                         |
| 224-255 | Wavy              |   |                                |
| CH5     | empty             | 0-255   |                                |
| CH6     | atomization       | 0-127   | NO                             |
|         |                   | 128-255   | atomization                    |
| CH7     | strobe            | 0-3   | OFF                            |
|         |                   | 4-103   | Strobe from slow to fast pulse |
|         |                   | 104-107   | Open light                     |
|         |                   | 108-207   | Slow to fast strobe            |
|         |                   | 208-212   | Open light                     |
|         |                   | 213-251   | Slow to fast random strobe     |
| 252-255 | Open light        |   |                                |
| CH8     | Dimming           | 0-255   | 0-100% Dimming                 |
| CH8     | Color             | 0-4   | white light                    |
|         |                   | 5-8   | White + Color 1                |
|         |                   | 9-12  | Color 1                        |
|         |                   | 13-17   | Color 1 + Color 2              |
|         |                   | 18-21   | Color 2                        |
|         |                   | 22-25   | Color 2 + Color 3              |
|         |                   | 26-29   | Color 3                        |
| 30-34   | Color 3 + Color 4 |   |                                |

|            |                               |         |                                 |
|------------|-------------------------------|---------|---------------------------------|
|            |                               | 35-38   | Color 4                         |
|            |                               | 39-42   | Color 4 + Color 5               |
|            |                               | 43-48   | Color 5                         |
|            |                               | 49-51   | Color 5 + Color 6               |
|            |                               | 52-55   | Color 6                         |
|            |                               | 56-59   | Color 6 + Color 7               |
|            |                               | 60-63   | Color 7                         |
|            |                               | 64-68   | Color 7 + Color 8               |
|            |                               | 69-72   | Color 8                         |
|            |                               | 73-76   | Color 8 + Color 9               |
|            |                               | 77-81   | Color 9                         |
|            |                               | 82-85   | Color 9 + Color 10              |
|            |                               | 86-89   | Color 10                        |
|            |                               | 90-93   | Color 10 + Color 11             |
|            |                               | 94-98   | Color 11                        |
|            |                               | 99-102  | Color 11 + Color 12             |
|            |                               | 103-106 | Color 12                        |
|            |                               | 107-110 | Color 12 + Color 13             |
|            |                               | 111-115 | Color 13                        |
|            |                               | 116-119 | Color 13 + Color 14             |
|            |                               | 120-123 | Color 14                        |
|            |                               | 124-127 | Color 14 + White                |
|            |                               | 128-192 | Forward to Slow Forward Flow    |
|            |                               | 193-255 | Flow from slow to fast reverse  |
| <b>CH9</b> | <b>Pattern</b>                | 0-3     | White light                     |
|            |                               | 4-7     | Pattern 1                       |
|            |                               | 8-11    | Pattern 2                       |
|            |                               | 12-16   | Pattern 3                       |
|            |                               | 17-21   | Pattern 4                       |
|            |                               | 22-25   | Pattern 5                       |
|            |                               | 26-29   | Pattern 6                       |
|            |                               | 30-33   | Pattern 7                       |
|            |                               | 34-37   | Pattern 8                       |
|            |                               | 38-42   | Pattern 9                       |
|            |                               | 43-46   | Pattern 10                      |
|            |                               | 47-51   | Pattern 11                      |
|            |                               | 52-55   | Pattern 12                      |
|            |                               | 56-59   | Pattern 13                      |
|            |                               | 60-71   | Effect flow                     |
|            |                               | 72-113  | From fast to slow positive flow |
|            |                               | 114-117 | stop                            |
|            |                               | 118-159 | Flow from slow to fast          |
|            |                               | 160-166 | Slow to fast dither pattern 1   |
|            |                               | 167-173 | Slow to fast dither pattern 2   |
| 174-181    | Slow to fast dither pattern 3 |         |                                 |

|      |                  |         |   |
|------|------------------|---------|---|
|      |                  | 182-188 | Slow to fast dither pattern 4             |
|      |                  | 189-195 | Slow to fast dither pattern 5             |
|      |                  | 196-203 | Slow to fast dither pattern 6             |
|      |                  | 204-210 | Slow to fast dither pattern 7             |
|      |                  | 211-217 | Slow to fast dither pattern 8             |
|      |                  | 218-224 | Slow to fast dither pattern 9             |
|      |                  | 225-232 | Slow to fast dither pattern 10            |
|      |                  | 233-239 | Slow to fast dither pattern 11            |
|      |                  | 240-246 | Slow to fast dither pattern 12            |
|      |                  | 247-255 | Slow to fast dither pattern 13            |
| CH11 | Prism 1          | 0-127   | Remove Prism                              |
|      |                  | 128-255 | Insert Prism 1                            |
| CH12 | Prism rotation   | 0-127   | 0-400degrees                              |
|      |                  | 128-187 | From fast to slow positive flow           |
|      |                  | 188-195 | stop                                      |
|      |                  | 196-255 | From slow to fast reverse flow            |
| CH13 | Prism 2          | 0-127   | Remove Prism                              |
|      |                  | 12-255  | Insert Prism 2                            |
| CH14 | prism 2 rotation | 0-127   | 0-400 degrees                             |
|      |                  | 128-187 | From fast to slow positive flow           |
|      |                  | 188-195 | stop                                      |
|      |                  | 196-255 | From slow to fast reverse flow            |
| CH15 | focusing         | 0-255   | from far to near                          |
| CH16 | light bulb/reset | 100-105 | More than 3 seconds to turn off the light |
|      |                  | 200-205 | More than 3 seconds to open the light     |
|      |                  | 255     | More than 3 seconds reset                 |
| CH17 | X axis trim      | 0-255   | 0-2 degrees                               |
| CH18 | Y axis trim      | 0-255   | 0-1 degrees                               |

**Warm tip: 1, waterproof beam does not support side hanging;**

**2, if the wire is in water, do not touch the water surface during the passage. You should touch the wire after the blackout.**

---