

# **IP 350 LED BSW Moving Head Light**



## **User Manual**

## 1.PACKAGE CONTENTS

1× IP 350 led bsw moving head light

1×Mounting bracket

1×AC power cord

1×User's manual

1× 3-pin Signal cord

## 2. Menu

| Menu               | Sublevel menu                        | Tertiary menu / parameters                              |
|--------------------|--------------------------------------|---------------------------------------------------------|
| System Settings    | running mode                         | DMX / voice control / self walk 1 / self walk 2         |
|                    | channel pattern                      | 31 CH                                                   |
|                    | Horizontal reversal                  | Open / close                                            |
|                    | Vertical reversal                    | Open / close                                            |
|                    | Hall error correction                | Open / close                                            |
|                    | Optical coupling error correction    | Open / close                                            |
|                    | The signal to keep                   | Open / close                                            |
|                    | Screen protection                    | Open / close                                            |
|                    | Screen flip                          | Open / close / automatic                                |
|                    | Synchronous update                   | On / off (for this function, please remove DMX offline) |
|                    | language                             | centre /EN                                              |
|                    | Screen lock                          | Open / close                                            |
|                    | factory data reset                   | Confirm / cancel                                        |
| manual mode        | Manual control of the channel values | 000-255                                                 |
| system calibration | enter password                       | Lighting calibration                                    |
| system reset       | Effect motor reset                   | Effect disc reset other than XY                         |
|                    | Scan the motor for reset             | The XY axis was reset only                              |
|                    | Full motor reset                     | Lamps reset                                             |
| system info        | Reset information                    | Display the specific information and content            |
|                    | And DMX data detection               | Display the specific DMX detection content              |
|                    | sensor information                   | Display the optical coupling, Hall specific information |
|                    | Hardware version                     | Displays the hardware version number                    |
|                    | software release                     | Displays the software version number                    |

| Option                            | Explain                                                                                      |                                                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| work pattern                      | Lighting operating mode: DMX / voice control / walk 1 / walk 2                               |                                                                                                                                                |
|                                   | DMX pattern                                                                                  | Console mode, receiving the DMX signal                                                                                                         |
|                                   | Self-walking mode 1                                                                          | The lamp shall be run automatically according to the built-in self-walk program 1                                                              |
|                                   | Self-walking mode 2                                                                          | The lamp shall be run automatically according to the built-in self-walk program 2                                                              |
|                                   | Sound control mode                                                                           | When the lamp detects a strong sound, the lamp automatically runs a scene according to the built-in program, otherwise maintain the last scene |
| channel pattern                   | 31 CH                                                                                        |                                                                                                                                                |
| Horizontal reversal               | Set the X-axis rotation direction                                                            |                                                                                                                                                |
|                                   | close                                                                                        | Dont reverse                                                                                                                                   |
|                                   | open                                                                                         | opposite direction                                                                                                                             |
| Vertical reversal                 | Set the Y-axis rotation direction                                                            |                                                                                                                                                |
|                                   | close                                                                                        | Dont reverse                                                                                                                                   |
|                                   | open                                                                                         | opposite direction                                                                                                                             |
| Hall error correction             | Check whether the pattern plate, color plate and other functions are out of step and correct |                                                                                                                                                |
|                                   | close                                                                                        | Position is not corrected after the misstep                                                                                                    |
|                                   | open                                                                                         | Position is automatically corrected after loss of step                                                                                         |
| Optical coupling error correction | XY was tested for loss of step and corrected                                                 |                                                                                                                                                |
|                                   | close                                                                                        | Position is not corrected after the misstep                                                                                                    |
|                                   | open                                                                                         | Position is automatically corrected after loss of step                                                                                         |
| The signal to keep                | Output status of the lamp with no DMX signal                                                 |                                                                                                                                                |
|                                   | close                                                                                        | No signal, so the motor and the light source return to the position and state when the reset is complete                                       |
|                                   | open                                                                                         | No signal, keeping the last frame of the DMX data output                                                                                       |
| Screen protection                 | close                                                                                        | The screen doesnt have a breath screen                                                                                                         |
|                                   | open                                                                                         | The screen will stop after arriving at the specified time                                                                                      |
| Screen flip                       | close                                                                                        | The screen is positive                                                                                                                         |

|                    |                                                                                |                                                                                                                                                                                     |
|--------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | open                                                                           | The screen reverse                                                                                                                                                                  |
|                    | voluntarily                                                                    | Automatically correct the direction according to the current screen                                                                                                                 |
| Synchronous update | Synchronize the setting parameters or calibration parameters of multiple lamps |                                                                                                                                                                                     |
|                    | close                                                                          | The synchronous update function is turned off                                                                                                                                       |
|                    | open                                                                           | Connect multiple lamps with the DMX wire, and the information can be updated synchronously in the calibration interface.(Note: Remove the DMX signal wire connected to the console) |
| language           | the Chinese language /EN                                                       |                                                                                                                                                                                     |
| Screen lock        | close                                                                          | Dont turn on the screen lock                                                                                                                                                        |
|                    | open                                                                           | Open the screen lock, the screen function needs to be unlocked before use                                                                                                           |
| factory data reset | Lighting parameters are returned to the factory settings                       |                                                                                                                                                                                     |
|                    | cancel                                                                         | res sic stantibus                                                                                                                                                                   |
|                    | affirm                                                                         | Light ture to factory settings                                                                                                                                                      |

### 3. DMX Channel

| 31CH | The channel name   | The channel value | Channel function    |
|------|--------------------|-------------------|---------------------|
| 1    | X axle             | 0-255             | 0-540 degrees       |
| 2    | X axis fine-tuning | 0-255             | 0-2 Degrees         |
| 3    | Y axle             | 0-255             | 0-270 degrees       |
| 4    | Y axis fine-tuning | 0-255             | 0-1 degrees         |
| 5    | XY velocity        | 0-255             | From fast to slow   |
| 6    | aiming             | 0-255             | With 0-100% dimming |
| 7    | stroboflash        | 0-3               | light up            |
|      |                    | 4-99              | Synchronous flash   |
|      |                    | 100-149           | Pulse flash         |
|      |                    | 150-199           | Flash               |
|      |                    | 200-249           | Random flash        |
|      |                    | 250-255           | light up            |
| 8    | pigment            | 0-13              | white               |
|      |                    | 14-19             | Color 1             |

|   |              |         |                                                  |
|---|--------------|---------|--------------------------------------------------|
|   |              | 20-25   | Color 2                                          |
|   |              | 26-31   | Color 3                                          |
|   |              | 32-37   | Color 4                                          |
|   |              | 38-43   | Color 5                                          |
|   |              | 44-49   | Color 6                                          |
|   |              | 50-55   | Color 7                                          |
|   |              | 56-61   | Color 8                                          |
|   |              | 62-57   | Color 9                                          |
|   |              | 68-64   | White light + color 1                            |
|   |              | 74-79   | Color 1 + color 2                                |
|   |              | 80-85   | Color 2 + color 3                                |
|   |              | 86-91   | Color 3 + color 4                                |
|   |              | 92-97   | Color 4 + color 5                                |
|   |              | 98-103  | Color 5 + color 6                                |
|   |              | 104-109 | Color 6 + color 7                                |
|   |              | 110-115 | Color 7 + color 8                                |
|   |              | 116-121 | Color 8 + color 9                                |
|   |              | 122-127 | Color 9 + white light                            |
|   |              | 128-189 | From fast to slow<br>counterclockwise flow water |
|   |              | 190-193 | Stop running water                               |
|   |              | 194-255 | From slow to fast clockwise<br>flowing water     |
| 9 | Solid figure | 0-13    | White aperture                                   |
|   |              | 14-24   | Pattern 1                                        |
|   |              | 25-35   | Pattern 2                                        |
|   |              | 36-46   | Pattern 3                                        |
|   |              | 47-57   | Pattern 4                                        |
|   |              | 58-68   | Pattern 5                                        |
|   |              | 69-79   | Pattern 1 shakes from slow to<br>fast            |
|   |              | 80-90   | Pattern 2 shakes from slow to<br>fast            |
|   |              | 91-101  | Pattern 3 shakes from slow to<br>fast            |
|   |              | 102-112 | Pattern 4 shakes from slow to<br>fast            |
|   |              | 113-123 | Pattern 5 shakes from slow to<br>fast            |
|   |              | 124-156 | The Effect pattern has a fixed<br>angle          |
|   |              | 157-189 | The effect pattern shakes from<br>slow to fast   |

|    |                          |         |                                                  |
|----|--------------------------|---------|--------------------------------------------------|
|    |                          | 190-221 | From fast to slow<br>counterclockwise flow water |
|    |                          | 222-223 | Stop running water                               |
|    |                          | 224-255 | From slow to fast clockwise<br>flowing water     |
| 10 | Turn the figure          | 0-14    | White aperture                                   |
|    |                          | 15-29   | Pattern 1                                        |
|    |                          | 30-44   | Pattern 2                                        |
|    |                          | 45-59   | Pattern 3                                        |
|    |                          | 60-74   | Pattern 4                                        |
|    |                          | 75-89   | Pattern 5                                        |
|    |                          | 90-104  | Pattern 6                                        |
|    |                          | 105-119 | Pattern 7                                        |
|    |                          | 120-129 | Pattern 1 shakes from slow to<br>fast            |
|    |                          | 130-139 | Pattern 2 shakes from slow to<br>fast            |
|    |                          | 140-149 | Pattern 3 shakes from slow to<br>fast            |
|    |                          | 150-159 | Pattern 4 shakes from slow to<br>fast            |
|    |                          | 160-169 | Pattern 5 shakes from slow to<br>fast            |
|    |                          | 170-179 | Pattern 6 shakes from slow to<br>fast            |
|    |                          | 180-189 | Pattern 7 shakes from slow to<br>fast            |
|    |                          | 190-221 | From fast to slow<br>counterclockwise flow water |
|    |                          | 222-223 | Stop running water                               |
|    |                          | 224-255 | From slow to fast clockwise<br>flowing water     |
| 11 | Turn diagram<br>rotation | 0-127   | 0-400 degrees                                    |
|    |                          | 128-190 | From fast to slow forward<br>flowing water       |
|    |                          | 191-192 | cease                                            |
|    |                          | 193-255 | From slow to fast, the reverse<br>flow of water  |
| 12 | atomization              | 0-127   | Fog cut out                                      |
|    |                          | 128-255 | Fog cut in                                       |
| 13 | prism                    | 0-127   | The prism cut out                                |
|    |                          | 128-255 | Prism cut in                                     |
| 14 | Prism rotation           | 0-127   | 0-400 degrees                                    |

|    |                      |         |                                               |
|----|----------------------|---------|-----------------------------------------------|
|    |                      | 128-190 | From fast to slow forward flowing water       |
|    |                      | 191-192 | cease                                         |
|    |                      | 193-255 | From slow to fast, the reverse flow of water  |
| 15 | focus                | 0-255   | From far to near                              |
| 16 | amplify              | 0-255   | grow from a small beginning into a mighty     |
| 17 | Light belt dimming 1 | 0-255   | Dimming (from dark to bright)                 |
| 18 | Light belt flash 1   | 0-4     | opening the light                             |
|    |                      | -250    | Synchronous flash                             |
|    |                      | 251-255 | opening the light                             |
| 19 | Light with red 1     | 0-255   | Red (from dark to bright)                     |
| 20 | Light with green 1   | 0-255   | Green (from dark to bright)                   |
| 21 | Light with blue 1    | 0-255   | Blue (from dark to bright)                    |
| 22 | Dynamic effect 1     | 0-255   | Light belt effect                             |
| 23 | Effect speed 1       | 0-127   | Forward from slow to fast                     |
|    |                      | 128-255 | Reverse from slow to fast                     |
| 24 | Light belt dimming 2 | 0-255   | Dimming (from dark to bright)                 |
| 25 | Light belt flash 2   | 0-4     | opening the light                             |
|    |                      | 5-250   | Synchronous flash                             |
|    |                      | 251-255 | opening the light                             |
| 26 | Light with red 2     | 0-255   | Red (from dark to bright)                     |
| 27 | Light with green 2   | 0-255   | Green (from dark to bright)                   |
| 28 | Light with blue 2    | 0-255   | Blue (from dark to bright)                    |
| 29 | Dynamic effect 2     | 0-255   | Light belt effect                             |
| 30 | Effect speed 2       | 0-127   | Forward from slow to fast                     |
|    |                      | 128-255 | Reverse from slow to fast                     |
| 31 | reset                | 26-76   | Effect motor is reset for more than 5 seconds |
|    |                      | 77-127  | The XY motor is reset over 5 seconds          |
|    |                      | 128-255 | All motors are reset over 5 seconds           |

## 4. Specification

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

Power: 360W

Customized high-brightness LED light source: 300W;

Light strip light source: 34 0.2W 5050RGB lamp beads in the inner ring, 39 0.2W 5050RGB lamp beads in the outer ring

Lamp bead life: 50000H

Optical angle: 3°-32°

Channel mode: 31CH

Control mode: DMX512/master-slave/automatic;

Color disk: 9 + white light

Fixed image disk: 6 + white light + fire image

Dynamic image disk: 7 + white light, can be rotated in both directions

Effect disk: atomization

Prism disk: 3 prism effects, can be rotated in both directions

Horizontal: 540°

Vertical: 270°

Cooling: temperature control, overheat protection

Waterproof grade: IP65

Die-casting material: magnesium alloy

Signal connection: XLR 3-pin input/output

Power input: Powercon input/output

Dimensions (mm): L304\*W218\*H529

Net weight: 13.5KG

## 5. Size

