

# 12X40W LED POINT CONTROL WASH MOVING HEAD LIGHT



## USER'S MANUAL



|                                      |            |
|--------------------------------------|------------|
| <b>Directory</b>                     | <b>1</b>   |
| <b>1. Operating Procedure</b>        | <b>2</b>   |
| <b>(1) Unpacking Inspection</b>      |            |
| <b>(2) Precaution</b>                |            |
| <b>(3) Installation</b>              |            |
| <b>(4) Warning</b>                   |            |
| <b>2. Maintenance</b>                | <b>3</b>   |
| <b>3. Functional Characteristics</b> | <b>3</b>   |
| <b>4. Technical Parameter</b>        | <b>3</b>   |
| <b>5. Schematic Diagram</b>          | <b>4</b>   |
| <b>6. Interface Settings</b>         | <b>4-5</b> |
| <b>7. DMX Channel Table</b>          | <b>6</b>   |

## ➤ Operating Procedure

### 1. Unpacking Inspection

Thank you for purchasing our products. First of all, for your safe and reasonable use of this product, please read the user manual before use and strictly follow the rules to avoid personal safety or damage to the lamps caused by misuse. Please check the product for damage caused by transportation when receiving the product; and check all the following accessories in the carton: 1. Main lamp one piece 2. User Manual 4, Hanging Bracket 5, Signal Cable and Power Cable

### 2. Precautions

1. Operate in strict accordance with the procedures described in these operating instructions. Do not disassemble the lamps without authorization. If a malfunction occurs, please ask a professional to repair it.
2. This product is used indoors.
3. Fixed installation, pay attention to prevent the lamp from being strongly impacted, and do not use it when shaking. Pay attention to whether the plug is inserted firmly, please ensure that the power is good. Connecting ground wire to avoid electric shock.
4. When working with this unit, do not watch directly at the light source to avoid injury to the eyes.
5. In order to prolong the service life of your lamps, do not operate at full load for a long time. Effectively reduce lamp body temperature and extend service life.

### 3. Installation

1. Before installation, please confirm that the power supply voltage you are using is the same as the voltage indicated by the luminaire.
- 2, need to ask the professional to install, the lamp is safely and reliably fixed, and adjusted to the appropriate angle of illumination.
3. When installing this equipment, please ensure that there are no extremely explosive and flammable items within a range of at least 15 meters. Please use a safety rope that can withstand 10 times the weight of the lamps for auxiliary hanging.
- 4, The lamps can be placed on the ground or on the platform, can also be fixed hanging installation.

### 4. Warning

1. When performing any installation and maintenance work, please confirm that the power has been cut off.
2. Do not look directly at the light source of the luminaire to avoid injury to the eyes.
3. Please keep the distance between the lamps and combustible materials above 15 meters.

## ➤ Maintenance

Please regularly wipe the surface of the chassis with a clean towel, especially the front Lens to optimize the light output. The number of cleaning depends on the operation of the lamp and the surrounding environment.

It is recommended to clean it every 20 days. Check the cable regularly for damage and leakage, poor contact, etc.

## ➤ Functional Characteristics

LED1240point-controlled moving head light hardcover version OSRAM 40WLED; unique optical system design, uniform color spot effect, ultra-high speed X\Y axis rotation technology, double hay cutter type high-speed strobe; Seiko kit shell, scientific and artistic perfect design, temperature protection, safe and reliable, excellent heat dissipation performance, support placing on the ground and hanging, using switching power supply wide voltage technology, greatly improving product stability; Currently this product widely uses in places such as stage performances.

## ➤ Technical Parameter

Light Source: LED 12X40W (RGBW)

Current: 2.5A

Max Power: 600W

Voltage: Wide voltage input switching power supply 100V-240V 50-60Hz

Colour Temperature: 2800K-8500K

LED Lifespan: 50000 hours

Beam Angle: 4.5°-45°

Control Mode: DMX512、Master/Slave ,

Overall Control Channel Mode:12CH/17CH

Point Control Channel Mode:11CH/17/18CH/58CH

RDM function support, DMX software upgrade function

Optional network function support: Artnet, Klingnet, sACN, Network protocol

Pan/Tilt Scan: Pan 540°, Tilt: 270°

Zoom: High-quiet motor precision focusing spot without jitter

Display: Color LCD display, Chinese and English display, reverse display

Strobe: 1-20Hz

Dimmer: 0-100% (16bit)

Work Environment Temp.: 0°C-45°C

Efficient cooling system, the whole process temperature monitoring, over temperature automatic adjustment protection, no lamp damage risk. Intelligent speed control fan, real-time display speed

Product Dimensions: 400 (Length) ×420 (Width) ×510 (Height) mm

N.W: 16KG

## ➤ DMX CHANNEL MODE

| Standard | Extend | Pattern | HSI | CH Name  | Value   | CH Content    |
|----------|--------|---------|-----|----------|---------|---------------|
| 1        | 1      | 1       | 1   | Pan      | 0 - 255 | Pan Rotation  |
| 2        | 2      | 2       | 2   | PanFine  | 0 - 255 | Pan Fine      |
| 3        | 3      | 3       | 3   | Tilt     | 0 - 255 | Tilt Rotation |
| 4        | 4      | 4       | 4   | TiltFine | 0 - 255 | Tilt Fine     |
| 5        | 5      | 5       | 5   | PTSpeed  | 0 - 255 | Pan/Tilt Time |

|    |    |    |   |            |           |   |
|----|----|----|---|------------|-----------|---|
| 6  | 6  | 6  | / | Dim        | 0 - 255   | Dimmer                                  |
| 7  | 7  | /  | / | DimFine    | 0 - 255   | Dimmer Fine                             |
| 8  | 8  | 7  | 6 | Strobe     | 0 - 3     | Off                                     |
|    |    |    |   |            | 4 - 103   | Regular Strobe, speed from slow to fast |
|    |    |    |   |            | 104 - 107 | On                                      |
|    |    |    |   |            | 108 - 207 | Pulse strobe, speed from slow to fast   |
|    |    |    |   |            | 208 - 212 | On                                      |
|    |    |    |   |            | 213 - 225 | Random slow strobe                      |
|    |    |    |   |            | 226 - 238 | Random medium speed strobe              |
|    |    |    |   |            | 239 - 251 | Random fast strobe                      |
|    |    |    |   |            | 252 - 255 | On                                      |
| 9  | /  | 8  | / | Red        | 0 - 255   | Red                                     |
| 10 | /  | 9  | / | Green      | 0 - 255   | Green                                   |
| 11 | /  | 10 | / | Blue       | 0 - 255   | Blue                                    |
| 12 | /  | 11 | / | White      | 0 - 255   | White                                   |
| /  | /  | /  | 7 | Hue        | 0 - 255   | Chroma                                  |
| /  | /  | /  | 8 | Saturation | 0 - 255   | Saturation                              |
| /  | /  | /  | 9 | Intensiyt  | 0 - 255   | Brightness                              |
| /  | 9  | /  | / | R1         | 0 - 255   | Red LED 1                               |
| /  | 10 | /  | / | G1         | 0 - 255   | Green LED 1                             |
| /  | 11 | /  | / | B1         | 0 - 255   | Blue LED 1                              |
| /  | 12 | /  | / | W1         | 0 - 255   | White LED 1                             |
| /  | 13 | /  | / | R2         | 0 - 255   | Red LED 2                               |
| /  | 14 | /  | / | G2         | 0 - 255   | Green LED 2                             |
| /  | 15 | /  | / | B2         | 0 - 255   | Blue LED 2                              |
| /  | 16 | /  | / | W2         | 0 - 255   | White LED 2                             |
| /  | 17 | /  | / | R3         | 0 - 255   | Red LED 3                               |
| /  | 18 | /  | / | G3         | 0 - 255   | Green LED 3                             |
| /  | 19 | /  | / | B3         | 0 - 255   | Blue LED 3                              |
| /  | 20 | /  | / | W3         | 0 - 255   | White LED 3                             |
| /  | 21 | /  | / | R4         | 0 - 255   | Red LED 4                               |

|   |    |   |   |     |         |              |
|---|----|---|---|-----|---------|--------------|
| / | 22 | / | / | G4  | 0 - 255 | Green LED 4  |
| / | 23 | / | / | B4  | 0 - 255 | Blue LED 4   |
| / | 24 | / | / | W4  | 0 - 255 | White LED 4  |
| / | 25 | / | / | R5  | 0 - 255 | Red LED 5    |
| / | 26 | / | / | G5  | 0 - 255 | Green LED 5  |
| / | 27 | / | / | B5  | 0 - 255 | Blue LED 5   |
| / | 28 | / | / | W5  | 0 - 255 | White LED 5  |
| / | 29 | / | / | R6  | 0 - 255 | Red LED 6    |
| / | 30 | / | / | G6  | 0 - 255 | Green LED 6  |
| / | 31 | / | / | B6  | 0 - 255 | Blue LED 6   |
| / | 32 | / | / | W6  | 0 - 255 | White LED 6  |
| / | 33 | / | / | R7  | 0 - 255 | Red LED 7    |
| / | 34 | / | / | G7  | 0 - 255 | Green LED 7  |
| / | 35 | / | / | B7  | 0 - 255 | Blue LED 7   |
| / | 36 | / | / | W7  | 0 - 255 | White LED 7  |
| / | 37 | / | / | R8  | 0 - 255 | Red LED 8    |
| / | 38 | / | / | G8  | 0 - 255 | Green LED 8  |
| / | 39 | / | / | B8  | 0 - 255 | Blue LED 8   |
| / | 40 | / | / | W8  | 0 - 255 | White LED 8  |
| / | 41 | / | / | R9  | 0 - 255 | Red LED 9    |
| / | 42 | / | / | G9  | 0 - 255 | Green LED 9  |
| / | 43 | / | / | B9  | 0 - 255 | Blue LED 9   |
| / | 44 | / | / | W9  | 0 - 255 | White LED 9  |
| / | 45 | / | / | R10 | 0 - 255 | Red LED 10   |
| / | 46 | / | / | G10 | 0 - 255 | Green LED 10 |
| / | 47 | / | / | B10 | 0 - 255 | Blue LED 10  |
| / | 48 | / | / | W10 | 0 - 255 | White LED 10 |
| / | 49 | / | / | R11 | 0 - 255 | Red LED 11   |
| / | 50 | / | / | G11 | 0 - 255 | Green LED 11 |
| / | 51 | / | / | B11 | 0 - 255 | Blue LED 11  |
| / | 52 | / | / | W11 | 0 - 255 | White LED 11 |
| / | 53 | / | / | R12 | 0 - 255 | Red LED 12   |

|    |    |    |   |       |           |   |
|----|----|----|---|-------|-----------|---|
| /  | 54 | /  | / | G12   | 0 - 255   | Green LED 12                            |
| /  | 55 | /  | / | B12   | 0 - 255   | Blue LED 12                             |
| /  | 56 | /  | / | W12   | 0 - 255   | White LED 12                            |
| 13 | /  | /  | / | CCT   | 0 - 255   | Color Temp. Adjustment                  |
| 14 | /  | 12 | / | Macro | 0 - 255   | Color Macro                             |
|    |    |    |   |       | 0         | Off                                     |
|    |    |    |   |       | 1 - 6     | LED 1 Bright                            |
|    |    |    |   |       | 7 -- 13   | LED 2 Bright                            |
|    |    |    |   |       | 14 - 20   | LED 3 Bright                            |
|    |    |    |   |       | 21 -27    | LED 4 Bright                            |
|    |    |    |   |       | 28 - 34   | LED 5 Bright                            |
|    |    |    |   |       | 35 - 41   | LED 6 Bright                            |
|    |    |    |   |       | 42 - 48   | LED 7 Bright                            |
|    |    |    |   |       | 49 - 55   | 2 Points Bright Static<br>Pattern 1     |
|    |    |    |   |       | 56 -62    | 2 Points Bright Static<br>Pattern 2     |
|    |    |    |   |       | 63 - 69   | 2 Points Bright Static<br>Pattern 3     |
| /  | /  | 13 | / | Shape | 70 - 76   | 3 Points Pendulum static shape<br>1     |
|    |    |    |   |       | 77 - 83   | 3 Points Pendulum static shape<br>2     |
|    |    |    |   |       | 84 - 90   | 3 Points Pendulum static shape<br>3     |
|    |    |    |   |       | 91 - 97   | 2 Points Pendulum Static<br>Pattern     |
|    |    |    |   |       | 98 - 104  | Single Point Diagonal Static<br>Pattern |
|    |    |    |   |       | 105 - 111 | 2 Points Diagonal Static<br>Pattern     |
|    |    |    |   |       | 112 - 118 | — Shape Static Pattern                  |
|    |    |    |   |       | 119 - 125 | Three-point petal Static<br>Pattern     |
|    |    |    |   |       | 126 - 132 | X Shape Static Pattern                  |
|    |    |    |   |       | 133 - 139 | Circle Static Pattern                   |
|    |    |    |   |       | 140- 146  | Single Point Water Dynamic<br>graphics  |

|    |    |    |    |            |           |   |
|----|----|----|----|------------|-----------|---|
|    |    |    |    |            | 147 -153  | 2 Points Water Dynamic graphics                   |
|    |    |    |    |            | 154 -160  | 2 Points Pendulum water Dynamic graphics          |
|    |    |    |    |            | 161 - 167 | 3 Points Pendulum water Dynamic graphics          |
|    |    |    |    |            | 168 -174  | 3 Points Trailing Water Dynamic graphics          |
|    |    |    |    |            | 175 - 181 | 3 Points Pendulum Trailing Water Dynamic graphics |
|    |    |    |    |            | 182- 188  | Single Point Diagonal Water Dynamic graphics      |
|    |    |    |    |            | 189 - 195 | 2 Points Diagonal Water Dynamic graphics          |
|    |    |    |    |            | 196 -202  | — Shape Dynamic Water Effect                      |
|    |    |    |    |            | 203 - 209 | X Shape Dynamic Water Effect                      |
|    |    |    |    |            | 210 - 216 | Wave Shape Pattern Water Effect                   |
|    |    |    |    |            | 217 -223  | Windmill Rotation Effect                          |
|    |    |    |    |            | 224 - 230 | Petal Bloom Dynamic Graphics                      |
|    |    |    |    |            | 231 - 237 | Color Petal Bloom Effect                          |
|    |    |    |    |            | 238 - 244 | Color Petal Wave Effect                           |
|    |    |    |    |            | 245 - 251 | Color Petal Rotation Effect                       |
|    |    |    |    |            | 252 - 255 | Colorful Rotation Effect                          |
| /  | /  | 14 | /  | Speed      | 0 - 255   | Graphic Effect Speed Selection                    |
| 15 | /  | /  | /  | Effect     | 0         | Off   |
|    |    |    |    |            | 1 - 100   | Fantasy Effect                                    |
|    |    |    |    |            | 101 - 200 | Wave Effect                                       |
|    |    |    |    |            | 201 - 255 | Null  |
| /  | /  | 15 | /  | ShapeBack  | 0 - 255   | Graphic Background Color Selection                |
| /  | /  | 16 | /  | BackDim    | 0 - 255   | Background Color Bright From Bright to Dark       |
| 16 | 57 | 17 | 10 | Zoom       | 0 - 255   | Zoom  |
| 17 | 58 | 18 | 11 | Reset/Prog | 0 - 59    | Null  |
|    |    |    |    |            | 60 - 99   | All Motor Reset                                   |
|    |    |    |    |            | 100 - 200 | Start Auto Programs                               |



|  |  |  |  |  |           |      |
|--|--|--|--|--|-----------|------|
|  |  |  |  |  | 201 - 255 | Null |
|--|--|--|--|--|-----------|------|