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# LED Moving Head 19\*40W

## Bee-Eyes IP65



### ***USER MANUAL***

Thank you very much for choosing our product. For safety purpose, please read this manual carefully before your operation. This manual included installation and using information. Please install and operate it according to this manual.

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# **Part 1 PRDUCT**

## **1.1 Product introduction**

This product is designed for indoor/outdoor use. Suitable applications include wash or effect lighting for architectural, stage or nightclub applications. This product can also be installed for use in signage and advertising using the dynamic functions available with DMX512 control. Direct input of DMX512 signal allows the units to be controlled from any DMX512 controller. This product can be operated as a single unit or in multiple units for large applications.

## **1.2 Technical Specifications**

Voltage : AC100V-240V/50-60Hz

Power: 850W

Light source: 19 × 40W RGBW LED

Average lifespan: 50000h

Control methods: DMX512, RDM, master-slave mode, USB, ARTNET protocol (according to requirements)

Channel mode: 21CH/35CH/78CH/111CH

X : 540 ° Y : 220 °

Optical system: high-precision integrated structure lens, high transmittance quartz glass rod+PMMA lens

Zoom angle: adjustable from 7 ° to 45 °

Beam beam: Outstanding small angle beam effect

Color: RGBW color mixing system, uniform color mixing without flicker, fast color rainbow effect

Adjustable color temperature: 2500-10000K

Effect macros: static effect macro function and dynamic effect macro function

Strobe: 1K-25Hz

Dimming: Electronic dimming, four dimming curves, two dimming modes

Zoom system: linear electric zoom

Lens rotation: Optical lens with 360 ° infinite rotation, automatic error correction function for rotation, variable kaleidoscope, small waist and other effects

Single point control: The light source supports individual independent control and color transformation

Display screen: 1.77-inch LCD screen, bilingual menu in Chinese and English, available in Fahrenheit and Celsius degrees, waterproof intelligent touch key

Intelligent control: Equipment usage and lighting time, equipment temperature, and equipment humidity can be queried through the lighting menu

Channel data and software version failure information

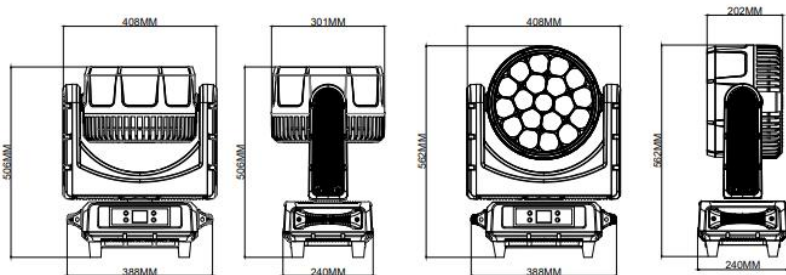
Temperature control: Intelligent temperature control, capable of automatically adjusting the speed of the cooling fan and overheating protection, with three fan modes

Software upgrade: Upload upgrade files through the CX interface

Shell material: Latest second-generation structural waterproof design, metal die-casting aluminum shell and fire-resistant engineering plastic

Protection level: IP65

Net weight: 22.5kg Gross weight: 26kg



### 3 :MENU FUNCTION

| Main Menu   | Second             | Third   | Fourth |
|-------------|--------------------|---|--------|
| Dmx Address | 000 - 512          |   |        |
| set         | Run Mode           | Artnet<br>DMX<br>Sound<br>Auto2<br>Auto1<br>D+A |        |
|             | Channel            | 21CH/35CH/78CH/111<br>CH                        |        |
|             | Network<br>Setting | Ethernet<br>Universe                            |        |
|             | Invert Pan         | OFF/ON  |        |
|             | Invert Tilt        | OFF/ON  |        |
|             | Hall Crct          | OFF/ON  |        |
|             | Encoder Crct       | OFF/ON  |        |
|             | Signal Keep        | OFF/ON  |        |
|             | Screen Saver       | OFF/ON  |        |
|             | Invert Screen      | Auto<br>OFF<br>ON                               |        |
|             | Update slave       | OFF/ON  |        |
|             | Language           | EN/中文   |        |
|             | Dimmer Speed       | Fast<br>Normal                                  |        |
|             | Screen Lock        | OFF/ON  |        |
|             | Load Default       | [OK] [Cancel]                                   |        |

|               |              |            |  |
|---------------|--------------|------------|--|
| <b>Manual</b> | Red          | 000 - 255  |  |
|               | Red Fine     | 000 - 255  |  |
|               | Green        | 000 - 255  |  |
|               | Green Fine   | 000 - 255  |  |
|               | ⋮            | ⋮          |  |
| <b>Calib</b>  | Password     | xxxx       |  |
| <b>Reset</b>  | Reset Effect |            |  |
|               | Reset Scan   |            |  |
|               | Reset All    |            |  |
| <b>Note</b>   | Reset Info   |            |  |
|               | DMX Data     |            |  |
|               | Sensor Info  |            |  |
|               | Hardware     | 03.11.01.0 |  |
|               | Software     | 06.11.20.0 |  |

## 4: DMX CHANNELS

### 21/78CH

| 21CH | 78CH | Name       | Value   | Function   |
|------|------|------------|---------|------------|
| 1    | 1    | Red        | 0 - 255 | Red        |
| 2    | 2    | Red Fine   | 0 - 255 | Red Fine   |
| 3    | 3    | Green      | 0 - 255 | Green      |
| 4    | 4    | Green Fine | 0 - 255 | Green Fine |
| 5    | 5    | Blue       | 0 - 255 | Blue       |
| 6    | 6    | Blue Fine  | 0 - 255 | Blue Fine  |
| 7    | 7    | White      | 0 - 255 | White      |

|    |    |            |           |                             |
|----|----|------------|-----------|-----------------------------|
| 8  | 8  | White Fine | 0 - 255   | White Fine                  |
| 9  | 9  | CCT        |           | CCT                         |
|    |    |            | 0         | Empty                       |
|    |    |            | 10 ~ 27   | 8500K                       |
|    |    |            | 28 - 55   | 7500K                       |
|    |    |            | 56 - 83   | 6800K                       |
|    |    |            | 84 - 111  | 6200K                       |
|    |    |            | 112 - 139 | 5600K                       |
|    |    |            | 140 - 167 | 5000K                       |
|    |    |            | 168 - 195 | 4500K                       |
|    |    |            | 196 - 223 | 3600K                       |
|    |    |            | 224 - 251 | 3200K                       |
|    |    |            | 252 - 255 | 2800K                       |
| 10 | 10 | Macro      | 0 - 255   | Macro                       |
| 11 | 11 | Strobe     |           | Strobe                      |
|    |    |            | 0 - 3     | Close                       |
|    |    |            | 4 - 103   | Rule Strobe, slow to fast   |
|    |    |            | 104 - 107 | Open                        |
|    |    |            | 108 - 207 | pulse Strobe, slow to fast  |
|    |    |            | 208 - 212 | Open                        |
|    |    |            | 213 - 225 | Random strobe ,Slow speed   |
|    |    |            | 226 - 238 | Random strobe ,Middle speed |
|    |    |            | 239 - 251 | Random strobe ,Fast speed   |
|    |    |            | 252 - 255 | Open                        |
| 12 | 12 | Dim        | 0 - 255   | Dim                         |
| 13 | 13 | Dim Fine   | 0 - 255   | Dim Fine                    |
| 14 | 14 | Pan        | 0 - 255   | Pan                         |

|     |     |               |           |   |
|-----|-----|---------------|-----------|---|
| 15  | 15  | PanFine       | 0 - 255   | PanFine   |
| 16  | 16  | Tilt          | 0 - 255   | Tilt  |
| 17  | 17  | TiltFine      | 0 - 255   | TiltFine  |
| 18  | 18  | Function      | 0 - 255   | Function  |
| 19  | 19  | Reset         | 0 - 250   | Empty   |
|     |     |               | 251 - 255 | Motor reset (value remains unchanged for 5 seconds) |
| 20  | 20  | Zoom          | 0 - 255   | Zoom  |
| 21  | 21  | Zoom Rotation |           | Zoom Rotation                                       |
|     |     |               | 0 - 127   | Manual rotation                                     |
|     |     |               | 128 - 190 | clockwise rotation, fast to slow                    |
|     |     |               | 191 - 192 | Stop  |
|     |     |               | 193 - 255 | Counterclockwise rotation, Slow to fast             |
| /   | 22  | Red1          | 0 - 255   | Red1  |
| /   | 23  | Green1        | 0 - 255   | Green1  |
| /   | 24  | Blue1         | 0 - 255   | Blue1   |
| /   | 25  | Red2          | 0 - 255   | Red2  |
| /   | 26  | Green2        | 0 - 255   | Green2  |
| /   | 27  | Blue2         | 0 - 255   | Blue2   |
| /   | 28  | Red3          | 0 - 255   | Red3  |
| /   | 29  | Green3        | 0 - 255   | Green3  |
| /   | 30  | Blue3         | 0 - 255   | Blue3   |
| /   | 31  | Red4          | 0 - 255   | Red4  |
| /   | 32  | Green4        | 0 - 255   | Green4  |
| /   | 33  | Blue4         | 0 - 255   | Blue4   |
| ... | ... | ...           | ...       | ...   |

|     |     |         |         |         |
|-----|-----|---------|---------|---------|
| ... | ... | ...     | ...     | ...     |
| /   | 76  | Red19   | 0 - 255 | Red19   |
| /   | 77  | Green19 | 0 - 255 | Green19 |
| /   | 78  | Blue19  | 0 - 255 | Blue19  |

## 35/111CH

| 35CH      | 111CH | Name       | Value     | Function   |
|-----------|-------|------------|-----------|------------|
| 1         | 1     | Red        | 0 - 255   | Red        |
| 2         | 2     | Red Fine   | 0 - 255   | Red Fine   |
| 3         | 3     | Green      | 0 - 255   | Green      |
| 4         | 4     | Green Fine | 0 - 255   | Green Fine |
| 5         | 5     | Blue       | 0 - 255   | Blue       |
| 6         | 6     | Blue Fine  | 0 - 255   | Blue Fine  |
| 7         | 7     | White      | 0 - 255   | White      |
| 8         | 8     | White Fine | 0 - 255   | White Fine |
| 9         | 9     | CCT        |           | CCT        |
|           |       |            | 0         | Empty      |
|           |       |            | 10 ~ 27   | 8500K      |
|           |       |            | 28 - 55   | 7500K      |
|           |       |            | 56 - 83   | 6800K      |
|           |       |            | 84 - 111  | 6200K      |
|           |       |            | 112 - 139 | 5600K      |
|           |       |            | 140 - 167 | 5000K      |
|           |       |            | 168 - 195 | 4500K      |
|           |       |            | 196 - 223 | 3600K      |
|           |       |            | 224 - 251 | 3200K      |
| 252 - 255 | 2800K |            |           |            |
| 10        | 10    | Macro      | 0 - 255   | Macro      |
| 11        | 11    | Strobe     |           | Strobe     |



|    |    |               |           |   |
|----|----|---------------|-----------|---|
|    |    |               | 0 - 3     | Close   |
|    |    |               | 4 - 103   | Rule Strobe, slow to fast                           |
|    |    |               | 104 - 107 | Open  |
|    |    |               | 108 - 207 | pulse Strobe, slow to fast                          |
|    |    |               | 208 - 212 | Open  |
|    |    |               | 213 - 225 | Random strobe ,Slow speed                           |
|    |    |               | 226 - 238 | Random strobe ,Middle speed                         |
|    |    |               | 239 - 251 | Random strobe ,Fast speed                           |
|    |    |               | 252 - 255 | Open  |
| 12 | 12 | Dim           | 0 - 255   | Dim   |
| 13 | 13 | Dim Fine      | 0 - 255   | Dim Fine  |
| 14 | 14 | Pan           | 0 - 255   | Pan   |
| 15 | 15 | PanFine       | 0 - 255   | PanFine   |
| 16 | 16 | Tilt          | 0 - 255   | Tilt  |
| 17 | 17 | TiltFine      | 0 - 255   | TiltFine  |
| 18 | 18 | Function      | 0 - 255   | Reserve   |
| 19 | 19 | Reset         | 0 - 250   | Empty   |
|    |    |               | 251 - 255 | Motor reset (value remains unchanged for 5 seconds) |
| 20 | 20 | Zoom          | 0 - 255   | Zoom  |
| 21 | 21 | Zoom Rotation |           | Zoom Rotation                                       |
|    |    |               | 0 - 127   | Manual rotation                                     |
|    |    |               | 128 - 190 | clockwise rotation, fast                            |

|    |    |                   |           |   |
|----|----|-------------------|-----------|---|
|    |    |                   |           | to slow                                 |
|    |    |                   | 191 - 192 | Stop                                    |
|    |    |                   | 193 - 255 | Counterclockwise rotation, Slow to fast |
| 22 | 22 | Shape Selection   | 0 - 255   | Shape Selection                         |
| 23 | 23 | Shape Speed       | 0 - 255   | Shape Speed                             |
| 24 | 24 | Shape Fade        | 0 - 255   | Shape Fade                              |
| 25 | 25 | Shape Red         | 0 - 255   | Shape Red                               |
| 26 | 26 | Shape Green       | 0 - 255   | Shape Green                             |
| 27 | 27 | Shape Blue        | 0 - 255   | Shape Blue                              |
| 28 | 28 | Shape White       | 0 - 255   | Shape White                             |
| 29 | 29 | Shape Dimmer      | 0 - 255   | Shape Dimmer                            |
| 30 | 30 | Background Dimmer | 0 - 255   | Background Dimmer                       |
| 31 | 31 | Shape Transition  | 0 - 255   | Shape Transition                        |
| 32 | 32 | Shape Offset      | 0 - 255   | Shape Offset                            |
| 33 | 33 | Foreground Strobe | 0 - 255   | Foreground Strobe                       |
| 34 | 34 | Background Strobe | 0 - 255   | Background Strobe                       |
| 35 | 35 | Background Select | 0 - 255   | Background Select                       |
| /  | 36 | Red1              | 0 - 255   | Red1                                    |
| /  | 37 | Green1            | 0 - 255   | Green1                                  |
| /  | 38 | Blue1             | 0 - 255   | Blue1                                   |
|    | 39 | White1            | 0 - 255   | White1                                  |
| /  | 40 | Red2              | 0 - 255   | Red2                                    |
| /  | 41 | Green2            | 0 - 255   | Green2                                  |
| /  | 42 | Blue2             | 0 - 255   | Blue2                                   |

|     |     |         |         |         |
|-----|-----|---------|---------|---------|
|     | 43  | White2  | 0 - 255 | White2  |
| /   | 44  | Red3    | 0 - 255 | Red3    |
| /   | 45  | Green3  | 0 - 255 | Green3  |
| /   | 46  | Blue3   | 0 - 255 | Blue3   |
| /   | 47  | White3  | 0 - 255 | White3  |
| /   | 48  | Red4    | 0 - 255 | Red4    |
| /   | 49  | Green4  | 0 - 255 | Green4  |
| /   | 50  | Blue4   | 0 - 255 | Blue4   |
| /   | 51  | White4  | 0 - 255 | White4  |
| ... | ... | ...     | ...     | ...     |
| ... | ... | ...     | ...     | ...     |
| /   | 108 | Red19   | 0 - 255 | Red19   |
| /   | 109 | Green19 | 0 - 255 | Green19 |
| /   | 110 | Blue19  | 0 - 255 | Blue19  |
| /   | 111 | White19 | 0 - 255 | White19 |