

# Mini 7x40W RGBW 4in1 Bee Eye Led Moving Head



## Operation Manual

**Parameters:****Voltage: AC100V-240V 50-60Hz****Rated Power: 350W****Light Source: 7x40W RGBW 4in1 LEDs****Color Temperature: 2800K-8500K****Led Lifetime: 50000 hours****Display: Colorful display****Iris Angel: 5.3°-60°****Control: DMX512, Sound Control, Auto Run****Channels: 35CH/23CH/51CH****Pan: 540°****Tilt: 270°****Strobe: 1-25pcs/second, random****Effects: CTO, Wash, Beam , Zoom, RGBW Full Colors Control, Effect Mode(windmill, kaleidoscope), Lens Plate Variable Direction Infinite Rotation****IP: IP20****Carton Packing Size: 40\*25\*34.5CM****Net Weight: 6.2kg****Gross Weight: 7.2kg****Menu Operation:**

| <b>Main Menu</b> | <b>2nd Menu</b> | <b>3rd Menu</b>    | <b>4th Menu</b> |
|------------------|-----------------|--------------------|-----------------|
| DMX Address      | 000 - 512       |                    |                 |
| Fixture          | Dmx Mode        | 35CH/23CH/51CH     |                 |
|                  | Run Mode        | DMX / Host / Sound |                 |
|                  | Pan Invert      | Close / Open       |                 |
|                  | Tilt Invert     | Close / Open       |                 |
|                  | Sound Control   | 1 -- 30            |                 |
| Manual           | Pan             | 000 - 255          |                 |
|                  | Pan Fine        | 000 - 255          |                 |
|                  | Tilt            | 000 - 255          |                 |
|                  | Tilt Fine       | 000 - 255          |                 |
|                  | ⋮               | ⋮                  |                 |

|               |                  |              |              |
|---------------|------------------|--------------|--------------|
|               |                  |              |              |
| Information   | Time             | Current Time | xxxH         |
|               |                  | Total Time   | xxxH         |
|               | Sensor           | Pan          | FALSE / TURE |
|               |                  | Tilt         | FALSE / TURE |
|               |                  | Zoom         | FALSE / TURE |
|               |                  | Temp         | FALSE / TURE |
|               |                  | Fan          | FALSE / TURE |
|               | Temperature      | Head Temp    | xxxC         |
|               | Software Version | Panel        | Vx.xx        |
|               |                  |              | Vx.xx        |
|               |                  | Vx.xx        |              |
| Factory       | Password         | 000 - 255    |              |
|               | Pan              | 000 - 255    |              |
|               | Tilt             | 000 - 255    |              |
|               | Zoom             | 000 - 255    |              |
|               | Zoom Rotation    | 000 - 255    |              |
|               | Red              | 000 - 255    |              |
|               | Green            | 000 - 255    |              |
|               | Blue             | 000 - 255    |              |
|               | White            | 000 - 255    |              |
| Fixture Reset | Motor Reset      | Cance / Run  |              |
|               | Factory          | Cance / Run  |              |

|         |              |                  |  |
|---------|--------------|------------------|--|
| Display | Language     | CH / EN          |  |
|         | Display Flip | Normal / Reverse |  |
|         | Display Mode | 60s / Show       |  |

**35CH Mode**

| Channel | Function     | Dmx Value | Description   |
|---------|--------------|-----------|---|
| 1       | Red          | 0 - 255   | Red dimming   |
| 2       | Red fine     | 0 - 255   | Red fine turning                                      |
| 3       | Green        | 0 - 255   | Green dimming   |
| 4       | Green fine   | 0 - 255   | Green fine turning                                    |
| 5       | Blue         | 0 - 255   | Blue dimming  |
| 6       | Blue fine    | 0 - 255   | Blue fine turning                                     |
| 7       | White        | 0 - 255   | White dimming   |
| 8       | White fine   | 0 - 255   | White fine turning                                    |
| 9       | Linear CTO   | 0 - 255   | Linear color temperature regulation                   |
| 10      | Macro Colour | 0 - 255   | Color macro function                                  |
| 11      | Strobe       | 0 - 3     | Lighting off  |
|         |              | 4 - 103   | Synchronous strobe speed is ranging from slow to fast |
|         |              | 104 - 107 | Light up  |
|         |              | 108 - 207 | Flat-split strobe speed is ranging from slow to fast  |
|         |              | 208 - 212 | Light up  |
|         |              | 213 - 225 | Low speed random flash                                |
|         |              | 226 - 238 | Medium speed random flash                             |
|         |              | 239 - 251 | High speed random flash                               |
|         |              | 252 - 255 | Light up  |

|    |                   |           |  |
|----|-------------------|-----------|--|
| 12 | Dimmer            | 0 - 255   | Linear dimming occurs from dark to light |
| 13 | Dimmer fine       | 0 - 255   | Tuning fine-tuning control               |
| 14 | Pan               | 0 - 255   | Horizontal control                       |
| 15 | Pan fine          | 0 - 255   | Horizontal fine-tuning control           |
| 16 | Tilt              | 0 - 255   | Vertical control                         |
| 17 | Tilt fine         | 0 - 255   | Vertical fine-tuning control             |
| 18 | Function          | 0 - 255   | Obligate                                 |
| 19 | Reset             | 0 - 250   | NF                                       |
|    |                   | 251 - 255 | The lamp body reset was valid for 5s     |
| 20 | Zoom              | 0 - 255   | Focus                                    |
| 21 | Zoom rotation     | 0 - 127   | 0 ~ 60 degrees                           |
|    |                   | 128 - 190 | Clockwise polar rotation                 |
|    |                   | 191 - 192 | Stop                                     |
|    |                   | 193 - 255 | Counterclockwise and infinite rotation   |
| 22 | Shape selection   | 0 - 255   | Shape rotation                           |
| 23 | Shape speed       | 0 - 255   | Shape effect speed control               |
| 24 | Shape fade        | 0 - 255   | Shape effect is downplayed               |
| 25 | Shape R           | 0 - 255   | The shape effect is red                  |
| 26 | Shape G           | 0 - 255   | The shape effect is green                |
| 27 | Shape B           | 0 - 255   | The shape effect is blue                 |
| 28 | Shape W           | 0 - 255   | The shape effect is white                |
| 29 | Shape dimmer      | 0 - 255   | The effect with 0-100% dimming           |
| 30 | Background dimmer | 0 - 255   | Background for 0-100% dimming            |
| 31 | Shape transition  | 0 - 255   | The shape effect change control          |
| 32 | Shape offset      | 0 - 255   | The effect angle adjustment              |

|    |                   |         |                      |
|----|-------------------|---------|----------------------|
| 33 | Foreground strobe | 0 - 255 | Foreground strobe    |
| 34 | Background strobe | 0 - 255 | Background strobe    |
| 35 | Background select | 0 - 255 | Background selection |

### 23CH Mode

| Channel | Function      | Dmx Value | Description   |
|---------|---------------|-----------|---|
| 1       | Pan           | 0 - 255   | Horizontal control                                    |
| 2       | Pan fine      | 0 - 255   | Horizontal fine-tuning control                        |
| 3       | Tilt          | 0 - 255   | Vertical control                                      |
| 4       | Tilt fine     | 0 - 255   | Vertical fine-tuning control                          |
| 5       | P&T speed     | 0 - 255   | P&T speed from fast to slow                           |
| 6       | Zoom          | 0 - 255   | Zoom  |
| 7       | Zoom rotation | 0 - 127   | 0 ~ 60 degrees  |
|         |               | 128 - 190 | Clockwise polar rotation                              |
|         |               | 191 - 192 | Stop  |
|         |               | 193 - 255 | Counterclockwise and infinite rotation                |
| 8       | Dimmer        | 0 - 255   | Linear dimming occurs from dark to light              |
| 9       | Strobe        | 0 - 3     | Lighting off  |
|         |               | 4 - 103   | Synchronous strobe speed is ranging from slow to fast |
|         |               | 104 - 107 | Light up  |
|         |               | 108 - 207 | Flat-split strobe speed is ranging from slow to fast  |
|         |               | 208 - 212 | Light up  |
|         |               | 213 - 225 | Low speed random flash                                |

|    |                |           |                                      |
|----|----------------|-----------|--------------------------------------|
|    |                | 226 - 238 | Medium speed random flash            |
|    |                | 239 - 251 | High speed random flash              |
|    |                | 252 - 255 | Light up                             |
| 10 | Red            | 0 - 255   | Red dimming                          |
| 11 | Green          | 0 - 255   | Green dimming                        |
| 12 | Blue           | 0 - 255   | Blue dimming                         |
| 13 | White          | 0 - 255   | White dimming                        |
| 14 | Linear CTO     | 0 - 255   | Linear color temperature regulation  |
| 15 | Macro Color    | 0 - 255   | Color macro function                 |
| 16 | Static effect  | 0 - 255   | Static effect                        |
| 17 | Dynamic effect | 0 - 255   | Dynamic effect                       |
| 18 | Effect speed   | 0 - 255   | Effect speed                         |
| 19 | Background R   | 0 - 255   | The background is red                |
| 20 | Background G   | 0 - 255   | The background is green              |
| 21 | Background B   | 0 - 255   | The background is blue               |
| 22 | Background W   | 0 - 255   | The background is white              |
| 23 | Reset          | 0 - 250   | NF                                   |
|    |                | 251 - 255 | The lamp body reset was valid for 5s |

### 51CH Mode

| Channel | Function | Dmx Value | Description                    |
|---------|----------|-----------|--------------------------------|
| 1       | Pan      | 0 - 255   | Horizontal control             |
| 2       | Pan fine | 0 - 255   | Horizontal fine-tuning control |
| 3       | Tilt     | 0 - 255   | Vertical control               |

|           |               |           |   |
|-----------|---------------|-----------|---|
| 4         | Tilt fine     | 0 - 255   | Vertical fine-tuning control                          |
| 5         | P&T speed     | 0 - 255   | P&T speed from fast to slow                           |
| 6         | Zoom          | 0 - 255   | Zoom  |
| 7         | Zoom rotation | 0 - 127   | 0 ~ 60 degrees  |
|           |               | 128 - 190 | Clockwise polar rotation                              |
|           |               | 191 - 192 | Stop  |
|           |               | 193 - 255 | Counterclockwise and infinite rotation                |
| 8         | Dimmer        | 0 - 255   | Linear dimming occurs from dark to light              |
| 9         | Strobe        | 0 - 3     | Lighting off  |
|           |               | 4 - 103   | Synchronous strobe speed is ranging from slow to fast |
|           |               | 104 - 107 | Light up  |
|           |               | 108 - 207 | Flat-split strobe speed is ranging from slow to fast  |
|           |               | 208 - 212 | Light up  |
|           |               | 213 - 225 | Low speed random flash                                |
|           |               | 226 - 238 | Medium speed random flash                             |
|           |               | 239 - 251 | High speed random flash                               |
| 252 - 255 | Light up      |           |   |
| 10        | Red           | 0 - 255   | Red dimming   |
| 11        | Green         | 0 - 255   | Green dimming   |
| 12        | Blue          | 0 - 255   | Blue dimming  |
| 13        | White         | 0 - 255   | White dimming   |
| 14        | Linear CTO    | 0 - 255   | Linear color temperature regulation                   |
| 15        | Macro Color   | 0 - 255   | Color macro function                                  |
| 16        | Static effect | 0 - 255   | Static effect   |



|       |                |           |                                      |
|-------|----------------|-----------|--------------------------------------|
| 17    | Dynamic effect | 0 - 255   | Dynamic effect                       |
| 18    | Effect speed   | 0 - 255   | Effect speed                         |
| 19    | Background R   | 0 - 255   | The background is red                |
| 20    | Background G   | 0 - 255   | The background is green              |
| 21    | Background B   | 0 - 255   | The background is blue               |
| 22    | Background W   | 0 - 255   | The background is white              |
| 23    | Reset          | 0 - 250   | NF                                   |
|       |                | 251 - 255 | The lamp body reset was valid for 5s |
| 24    | R1 led dimming | 0 - 255   | R1 led dimming                       |
| 25    | G1 led dimming | 0 - 256   | G1 led dimming                       |
| 26    | B1 led dimming | 0 - 257   | B1 led dimming                       |
| 27    | W1 led dimming | 0 - 258   | W1 led dimming                       |
| ..... | .....          | .....     | .....                                |
| ..... | .....          | .....     | .....                                |
| 48    | R7 led dimming | 0 - 255   | R7 led dimming                       |
| 49    | G7 led dimming | 0 - 256   | G7 led dimming                       |
| 50    | B7 led dimming | 0 - 257   | B7 led dimming                       |
| 51    | W7 led dimming | 0 - 258   | W7 led dimming                       |

## Maintenance and Cleaning

The following points have to be considered during the inspection:

1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
2. There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
3. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
4. The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

**CAUTION!**

Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents. There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions". Should you need any spare parts, please order genuine parts from your local dealer