**User Manual**



ORiON 3740

Please read over this manual before operation the light

**Menu Operation:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Main Menu** | **Second** | **Third** | **Fourth** |
| **Dmx Address** | 000 - 512 |  |  |
| **Fixture** | Dmx Mode | 21CH/22CH/35CH/36CH |  |
| Extended mode | 111CH/148CH |  |
| Run Mode | DMX / Host / Sound |  |
| Pan Invert | Close / Open |  |
| Tilt Invert | Close / Open |  |
| No Dmx Signal | Clear / Hold |  |
| Fan Control | Auto / Client / High |  |
| Sound Sensitivity | 00 -- 99 |  |
| **Manual** | Pan | 000 - 255 |  |
| Pan Fine | 000 - 255 |  |
| Tilt | 000 - 255 |  |
| Tilt Fine | 000 - 255 |  |
| ⁞ | ⁞ |  |
|  |
|  |
|  |
| **Information** | Time | Current Time | xxxH |
| Total Time | xxxH |
| Power Count | xxxx |
| Sensor | All Sensors are ok! / Pan、Tilt、Zoom..... |  |
| Temperature | Head Temp | xxxC |
| Software Version | Panel | Vx.xx |
| Motor | Vx.xx |
| Dimmer1 | 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 |  |
| **Tuning frequency** |  | 1K/10K/15K/20K/25K |  |

**Channels：**

|  |  |  |  |
| --- | --- | --- | --- |
| 21CH | | | |
| **DMX** | **Function** | **Bit Value** | **Function Detailed Description** |
| 1 | Red | 0-255 | Red 0-100% brightness adjustment, from dark to bright. |
| 2 | Red fine | 0-255 | Red fine tuning |
| 3 | Green | 0-255 | Green 0-100% brightness adjustment, from dark to bright. |
| 4 | Green fine | 0-255 | Green fine tuning |
| 5 | Blue | 0-255 | Blue 0-100% brightness adjustment, from dark to bright. |
| 6 | Blue fine | 0-255 | Blue fine tuning |
| 7 | White | 0-255 | White 0-100% brightness adjustment, from dark to bright. |
| 8 | White fine | 0-255 | White fine tuning |
| 9 | CTO | 0-255 | Linear control of color temperature |
| 10 | Macro color | 0-255 | Macro change of color |
| 11 | Strobe | 0 - 3 | Lights go out |
| 4 - 103 | Regulation strobe from slow to fast. |
| 104 - 107 | Light up |
| 108 - 207 | Pulse strobe from slow to fast. |
| 208 - 212 | Light up |
| 213 - 225 | Low speed random strobe |
| 226 - 238 | Medium speed random strobe |
| 239 - 251 | High speed random strobe |
| 252 - 255 | Lights go out |
| 12 | Dimmer | 0-255 | 0-100 Linear brightness adjustment |
| 13 | Dimmer fine | 0-255 | Fine adjustment of dimmer |
| 14 | Pan | 0-255 | X axis control |
| 15 | Pan fine | 0-255 | X-axis fine tuning |
| 16 | Tilt | 0-255 | Y axis control |
| 17 | Tilt fine | 0-255 | Y axis fine tuning |
| 18 | Function | 0-102 | No function |
| 103-105 | Extended mode |
| 106-255 | No function |
| 19 | Reset | 0-199 | No function |
| 200-205 | Wait 5 seconds for automatic reset. |
| 206-255 | No function |
| 20 | Zoom | 0-255 | Focusing control |
| 21 | Zoom Rotation | 0-255 | Zoom rotation control |
| 22CH | | | |
| **DMX** | **Function** | **Bit Value** | **Function Detailed Description** |
| 1 | Red | 0-255 | Red 0-100% brightness adjustment, from dark to bright. |
| 2 | Red fine | 0-255 | Red fine tuning |
| 3 | Green | 0-255 | Green 0-100% brightness adjustment, from dark to bright. |
| 4 | Green fine | 0-255 | Green fine tuning |
| 5 | Blue | 0-255 | Blue 0-100% brightness adjustment, from dark to bright. |
| 6 | Blue fine | 0-255 | Blue fine tuning |
| 7 | White | 0-255 | White 0-100% brightness adjustment, from dark to bright. |
| 8 | White fine | 0-255 | White fine tuning |
| 9 | CTO | 0-255 | Linear control of color temperature |
| 10 | Macro color | 0-255 | Macro change of color |
| 11 | Strobe | 0 - 3 | Lights go out |
| 4 - 103 | Regulation strobe from slow to fast. |
| 104 - 107 | Light up |
| 108 - 207 | Pulse strobe from slow to fast. |
| 208 - 212 | Light up |
| 213 - 225 | Low speed random strobe |
| 226 - 238 | Medium speed random strobe |
| 239 - 251 | High speed random strobe |
| 252 - 255 | Lights go out |
| 12 | Dimmer | 0-255 | 0-100 Linear brightness adjustment |
| 13 | Dimmer fine | 0-255 | Fine adjustment of dimmer |
| 14 | Pan | 0-255 | X axis control |
| 15 | Pan fine | 0-255 | X-axis fine tuning |
| 16 | Tilt | 0-255 | Y axis control |
| 17 | Tilt fine | 0-255 | Y axis fine tuning |
| 18 | Function | 0-102 | No function |
| 103-105 | Extended mode |
| 106-255 | No function |
| 19 | Reset | 0-199 | No function |
| 200-205 | Wait 5 seconds for automatic reset. |
| 206-255 | No function |
| 20 | Zoom | 0-255 | Focusing control |
| 21 | Zoom Rotation | 0-255 | Zoom rotation control |
| 22 | Frequency | 0-255 | frequency selection |

|  |  |  |  |
| --- | --- | --- | --- |
| 35CH | | | |
| **DMX** | **Function** | **Bit Value** | **Function Detailed Description** |
| 1 | Red | 0-255 | Red 0-100% brightness adjustment, from dark to bright. |
| 2 | Red fine | 0-255 | Red fine tuning |
| 3 | Green | 0-255 | Green 0-100% brightness adjustment, from dark to bright. |
| 4 | Green fine | 0-255 | Green fine tuning |
| 5 | Blue | 0-255 | Blue 0-100% brightness adjustment, from dark to bright. |
| 6 | Blue fine | 0-255 | Blue fine tuning |
| 7 | White | 0-255 | White 0-100% brightness adjustment, from dark to bright. |
| 8 | White fine | 0-255 | White fine tuning |
| 9 | CTO | 0-255 | Linear control of color temperature |
| 10 | Macro color | 0-255 | Macro change of color |
| 11 | Strobe | 0 - 3 | Lights go out |
| 4 - 103 | Regulation strobe from slow to fast. |
| 104 - 107 | Light up |
| 108 - 207 | Pulse strobe from slow to fast. |
| 208 - 212 | Light up |
| 213 - 225 | Low speed random strobe |
| 226 - 238 | Medium speed random strobe |
| 239 - 251 | High speed random strobe |
| 252 - 255 | Lights go out |
| 12 | Dimmer | 0-255 | 0-100 Linear brightness adjustment |
| 13 | Dimmer fine | 0-255 | Fine adjustment of dimmer |
| 14 | Pan | 0-255 | X axis control |
| 15 | Pan fine | 0-255 | X-axis fine tuning |
| 16 | Tilt | 0-255 | Y axis control |
| 17 | Tilt fine | 0-255 | Y axis fine tuning |
| 18 | Function | 0-102 | No function |
| 103-105 | Extended mode |
| 106-255 | No function |
| 19 | Reset | 0-199 | No function |
| 200-205 | Wait 5 seconds for automatic reset. |
| 206-255 | No function |
| 20 | Zoom | 0-255 | Focusing control |
| 21 | Zoom Rotation | 0-255 | Zoom rotation control |
| 22 | Shape Selection | 0-255 | Graphic selection |
| 23 | Shape Fade | 0-255 | Smooth gradient control |
| 24 | Shape Speed | 0-255 | Graphics Speed Control |
| 25 | Shape Red | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 26 | Shape Green | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 27 | Shape Blue | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 28 | Shape White | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 29 | Shape Dimmer | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 30 | Background Dimmer | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 31 | Shape Transition | 0-255 | Graphic transition |
| 32 | Shape Offset | 0-255 | Graphic offset |
| 33 | Foreground Strobe | 0-4 | Lights go out |
| 5-103 | Regulation strobe from slow to fast. |
| 104-107 | Light up |
| 108-207 | Pulse strobe from slow to fast. |
| 208-255 | Light up |
| 34 | Background Strobe | 0-4 | Lights go out |
| 5-103 | Regulation strobe from slow to fast. |
| 104-107 | Light up |
| 108-207 | Pulse strobe from slow to fast. |
| 208-255 | Light up |
| 35 | Background Select | 0-255 | spin control |
| 36CH | | | |
| **DMX** | **Function** | **Bit Value** | **Function Detailed Description** |
| 1 | Red | 0-255 | Red 0-100% brightness adjustment, from dark to bright. |
| 2 | Red fine | 0-255 | Red fine tuning |
| 3 | Green | 0-255 | Green 0-100% brightness adjustment, from dark to bright. |
| 4 | Green fine | 0-255 | Green fine tuning |
| 5 | Blue | 0-255 | Blue 0-100% brightness adjustment, from dark to bright. |
| 6 | Blue fine | 0-255 | Blue fine tuning |
| 7 | White | 0-255 | White 0-100% brightness adjustment, from dark to bright. |
| 8 | White fine | 0-255 | White fine tuning |
| 9 | CTO | 0-255 | Linear control of color temperature |
| 10 | Macro color | 0-255 | Macro change of color |
| 11 | Strobe | 0 - 3 | Lights go out |
| 4 - 103 | Regulation strobe from slow to fast. |
| 104 - 107 | Light up |
| 108 - 207 | Pulse strobe from slow to fast. |
| 208 - 212 | Light up |
| 213 - 225 | Low speed random strobe |
| 226 - 238 | Medium speed random strobe |
| 239 - 251 | High speed random strobe |
| 252 - 255 | Lights go out |
| 12 | Dimmer | 0-255 | 0-100 Linear brightness adjustment |
| 13 | Dimmer fine | 0-255 | Fine adjustment of dimmer |
| 14 | Pan | 0-255 | X axis control |
| 15 | Pan fine | 0-255 | X-axis fine tuning |
| 16 | Tilt | 0-255 | Y axis control |
| 17 | Tilt fine | 0-255 | Y axis fine tuning |
| 18 | Function | 0-102 | No function |
| 103-105 | Extended mode |
| 106-255 | No function |
| 19 | Reset | 0-199 | No function |
| 200-205 | Wait 5 seconds for automatic reset. |
| 206-255 | No function |
| 20 | Zoom | 0-255 | Focusing control |
| 21 | Zoom Rotation | 0-255 | Zoom rotation control |
| 22 | Shape Selection | 0-255 | Graphic selection |
| 23 | Shape Fade | 0-255 | Smooth gradient control |
| 24 | Shape Speed | 0-255 | Graphics Speed Control |
| 25 | Shape Red | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 26 | Shape Green | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 27 | Shape Blue | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 28 | Shape White | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 29 | Shape Dimmer | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 30 | Background Dimmer | 0-255 | 0-100% brightness adjustment, from dark to bright. |
| 31 | Shape Transition | 0-255 | Graphic transition |
| 32 | Shape Offset | 0-255 | Graphic offset |
| 33 | Foreground Strobe | 0-4 | Lights go out |
| 5-103 | Regulation strobe from slow to fast. |
| 104-107 | Light up |
| 108-207 | Pulse strobe from slow to fast. |
| 208-255 | Light up |
| 34 | Background Strobe | 0-4 | Lights go out |
| 5-103 | Regulation strobe from slow to fast. |
| 104-107 | Light up |
| 108-207 | Pulse strobe from slow to fast. |
| 208-255 | Light up |
| 35 | Background Select | 0-255 | spin control |
| 36 | Frequency | 0-255 | frequency selection |

**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.



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