



Starlink18

LH -S1840

This manual contains important information.
Please read before operating fixture.

Guangzhou Leahua Lighting Technology Ltd
[http:// www.leahualighting.com](http://www.leahualighting.com)

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Accessories

| Name | Quantity | Remark |
|------------------|----------|----------|
| User manual | 1pc | |
| Clamp | 1set | |
| Power cable | 1pc | |
| DMX signal cable | 1pc | |
| Safety cord | 1pc | Optional |

1. Safety Instructions

WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- Check before use

Before operation, inspect the fixture for transportation damage. Do not use it if damaged. Unauthorized modification or improper use is not covered by warranty.

- Environment

The fixture is IP65-rated, suitable for indoor/outdoor use, and can operate in humid or dusty areas. Keep it away from excessive heat, fire, vibration, electrical surges, and strong light.

- Personnel & operation

Installation and operation must be performed by qualified personnel. Ensure all covers are securely in place, wear protective gear, and do not open the housing or attempt self-maintenance.

- Optical safety

Do not look directly into the light source. Do not use with dimmer packs. Maintain a minimum distance of 20 m from illuminated surfaces, and replace damaged optical components immediately.

- Electrical safety

Ensure correct voltage, proper grounding, and compliant power cords. Do not use damaged cables, and unplug by holding the plug. Avoid operating under heavy rain or extreme humidity, and avoid frequent on/off switching.

- Installation

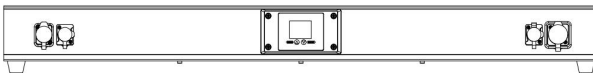
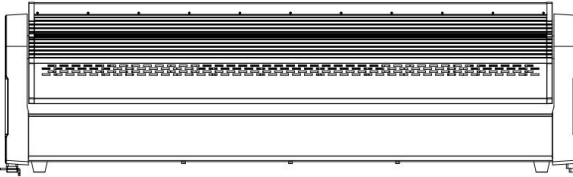
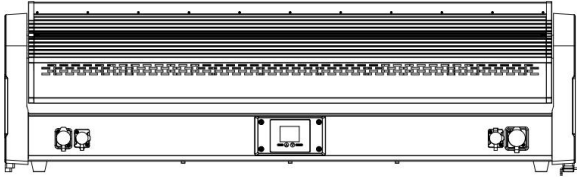
Use the safety cord through the provided safety holes. Keep at least 50 cm ventilation clearance and do not mount on flammable surfaces or aim the beam at combustible objects (minimum 20 m).

- Temperature & normal conditions

Housing temperature may reach 45 – 75° C during operation. Slight smoke or odor may occur at first ignition and is considered normal.

2. Appearance

Front side & back side



1

2

3

Front panel

1. Power in / DMX in
2. Display panel
3. DMX out / Power in

3. Technical Specifications

Power

Input Voltage: AC100-240 V, 50/60 Hz

Power Consumption: 600W

Light source

Light Source: 18 × 40W RGBW LED

Life expectancy: About 20000 hours (factory rated)

LED Feature

Individual control of each RGBW pixel, two zoom zone control, beam and wash effect

Zoom range

Zoom range: 4°-60°

Motorized Zoom: 2 independent zoom zones

Control

Display: LCD display

Control mode: DMX512, master-slave, auto, sound, RDM

Channel: 16/ 27/ 76/ 88CH

Dimming/Strobe

Dimming: 0-100% linear dimming system

Strobe: 0-20 F.P.S, speed adjustable

Head movement

Tilt : 205°; 16 bit movement resolution

Housing

Housing: Aluminum alloy

Protection rate: IP65

Working temperature

Working temperature: -10°C-45°C

Connection

Power Connection: Powercon in/ out

Signal Connection: DMX 3-pin in/ out

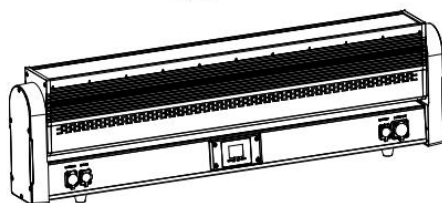
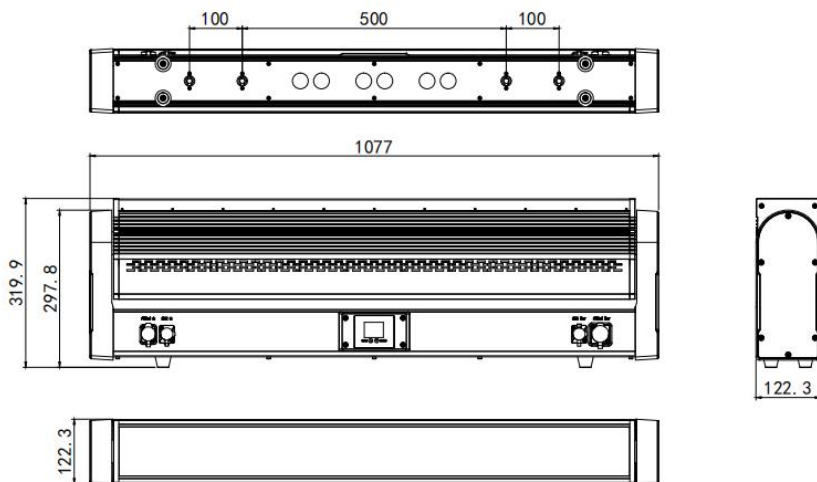
Product dimensions

1077×122.3×319.9mm

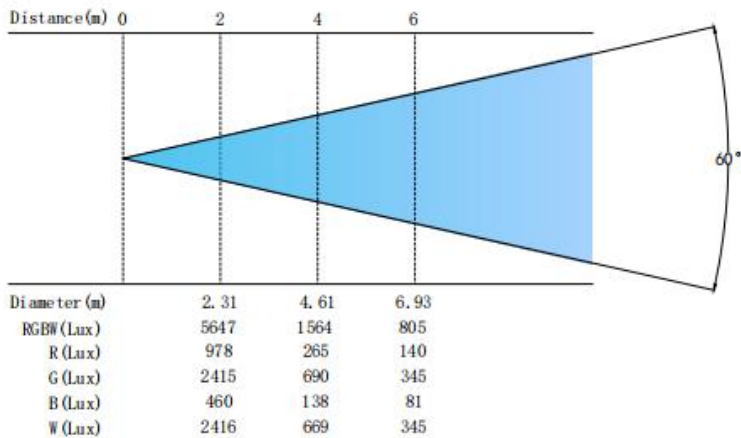
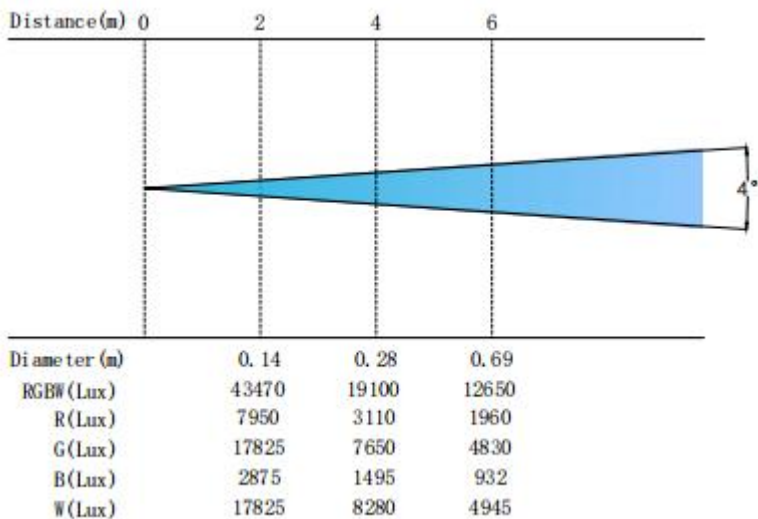
Net weight

24KG

Dimensions:

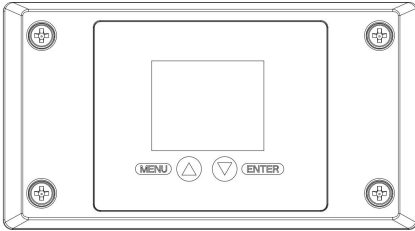


Light output:



4. Operation

4.1 Front panel operation:



| | |
|-------|---|
| MENU | To enter into move backward or leave the menu |
| UP | To go backward to move up in the menu |
| DOWN | To go forward to move down in the menu |
| ENTER | To perform the desired functions |

Pressing any button from the home screen will show the selectable menu items from the menu map. When a menu function is selected, the display will immediately show the first available option for the selected menu function. To select a menu item, press <ENTER>.

Use the <UP> and <DOWN> buttons to navigate the menu options. Press the <ENTER> button to select the menu function currently displayed, or to enable a menu option. To return to the previous option or menu without changing the value, press the <MENU> button.

4.2 Board instruction:

| | |
|----------|---------|
| ADDRESS | 001-512 |
| RUN | DMX512 |
| | Auto |
| | Sound |
| DMX MODE | 16CH |
| | 27CH |
| | 76CH |

| | | |
|---------|-------------|---------|
| | 88CH | |
| TEST | ALL | |
| SET | Display | Yes |
| | | No |
| | Signal Keep | Yes |
| | | No |
| | Slave | Yes |
| | | No |
| English | Yes | |
| | 否 | |
| INFO | Version | V1.11 |
| MANUAL | Tilt | 000-255 |
| | Zoom1 | 000-255 |
| | Zoom2 | 000-255 |
| | Red | 000-255 |
| | Green | 000-255 |
| | Blue | 000-255 |
| | White | 000-255 |
| | Strobe | 000-020 |
| RESET | Yes | |
| | No | |

4.3 DMX address setting:

Each fixture must be assigned a unique DMX start address within the 001 - 512 range. The start address represents the first channel the fixture occupies. This product provides four DMX modes(16/ 27/ 76/ 88CH channels); therefore, the next fixture's start address must be calculated according to the number of channels used in the selected mode to avoid overlapping addresses.

For example, when operating in 16-channel mode, set Fixture 1 to 001, Fixture 2 to 17, Fixture 3 to 33, Fixture 4 to 49, etc.

| DMX Mode | Fixture1 | Fixture2 | Fixture3 | Fixture4 | ... |
|----------|----------|----------|----------|----------|-----|
| 16CH | 001 | 17 | 33 | 49 | ... |
| 27CH | 001 | 28 | 55 | 52 | ... |
| 76CH | 001 | 77 | 153 | 229 | ... |
| 88CH | 001 | 89 | 177 | 265 | ... |

5. DMX Protocol

| 16CH | 77CH | 88CH | DMX value | Function |
|------|------|------|-----------|---|
| 1 | 1 | 1 | 0-255 | Tilt movement 205° |
| 2 | 2 | 2 | 0-255 | Tilt Fine |
| 3 | 3 | 3 | 0-255 | Zoom1 |
| 4 | 4 | 4 | 0-255 | Zoom2 |
| 5 | * | 5 | 0-255 | Total Dimmer 0-100% |
| 6 | * | 6 | 0-19 | No Effect |
| | | | 20-255 | Shutter effect from slow to fast |
| 7 | * | 7 | 0-255 | Red color 0-100% |
| 8 | * | 8 | 0-255 | Green color 0-100% |
| 9 | * | 9 | 0-255 | Blue color 0-100% |
| 10 | * | 10 | 0-255 | White color 0-100% |
| 11 | * | 11 | 0-10 | No function |
| | | | 11-30 | Red color 100%,Green color 0-100%,Blue color 0 |
| | | | 31-50 | Red color 100%-0,Green color 100%,Blue color 0 |
| | | | 51-70 | Red color 0,Green color 100%,Blue color 0-100% |
| | | | 71-90 | Red color 0,Green color 100%-0,Blue color 100% |
| | | | 91-110 | Red color 0-100%,Green color 0,Blue color 100% |
| | | | 111-130 | Red color 100%,Green color 0,Blue color 100%-0 |
| | | | 131-150 | Red color 100%,Green color 0-100%,Blue color 0-100% |
| | | | 151-170 | Red color 100%-0,Green color 100%-0,Blue color 100% |
| | | | 171-200 | Red color 100%,Green color |

| | | | | |
|-------|--------------|----|---------|---|
| | | | | 100%,Blue color 100% |
| | | | 201-205 | Macro color 1 |
| | | | 206-210 | Macro color 2 |
| | | | 211-215 | Macro color 3 |
| | | | 216-220 | Macro color 4 |
| | | | 221-225 | Macro color 5 |
| | | | 226-230 | Macro color 6 |
| | | | 231-235 | Macro color 7 |
| | | | 236-240 | Macro color 8 |
| | | | 241-245 | Macro color 9 |
| | | | 246-250 | Macro color 10 |
| | | | 251-255 | Macro color 11 |
| 12 | * | 12 | 0-255 | Foreground Dimmer 0-100%(is only active when 15CH is at value 131-255) |
| 13 | * | 13 | 0-10 | No Function |
| | | | 11-255 | Background Color select(is active when 12CH and 15CH at value) |
| 14 | * | 14 | 0-255 | Background Dimmer 0-100% |
| 15 | * | 15 | 0-10 | No Function |
| | | | 11-15 | Programme 1 |
| | | | 16-20 | Programme 2 |
| | | | 21-25 | Programme 3 |
| | | | 26-30 | Programme 4 |
| | | | 31-35 | Programme 5 |
| | | | 36-40 | Programme 6 |
| | | | 41-45 | Programme 7 |
| | | | 46-50 | Programme 8 |
| | | | 51-55 | Programme 9 |
| | | | 56-60 | Programme 10 |
| | | | 61-65 | Programme 11 |
| | | | 66-70 | Programme 12 |
| | | | 71-75 | Programme 13 |
| 76-80 | Programme 14 | | | |

| | | | | |
|----|---|----|---------|--------------------|
| | | | 81-85 | Programme 15 |
| | | | 86-90 | Programme 16 |
| | | | 91-95 | Programme 17 |
| | | | 96-100 | Programme 18 |
| | | | 101-105 | Programme 19 |
| | | | 106-110 | Programme 20 |
| | | | 111-115 | Programme 21 |
| | | | 116-120 | Programme 22 |
| | | | 121-125 | Programme 23 |
| | | | 126-130 | Programme 24 |
| | | | 131-135 | Programme 25 |
| | | | 136-140 | Programme 26 |
| | | | 141-145 | Programme 27 |
| | | | 146-150 | Programme 28 |
| | | | 151-155 | Programme 29 |
| | | | 156-160 | Programme 30 |
| | | | 161-165 | Programme 31 |
| | | | 166-170 | Programme 32 |
| | | | 171-175 | Programme 33 |
| | | | 176-180 | Programme 34 |
| | | | 181-185 | Programme 35 |
| | | | 186-190 | Programme 36 |
| | | | 191-195 | Programme 37 |
| | | | 196-200 | Programme 38 |
| | | | 201-205 | Programme 39 |
| | | | 206-210 | Programme 40 |
| | | | 211-215 | Programme 41 |
| | | | 216-220 | Programme 42 |
| | | | 221-235 | Programme 43 |
| | | | 236-245 | Sound1 |
| | | | 246-255 | Sound2 |
| 16 | * | 16 | 0-127 | Speed Slow to Fast |

| | | | | |
|---|----|----|---------|--|
| | | | | (When Channel 15's show work, the fixture's tilt will move.) |
| | | | 128-254 | Speed Slow to Fast |
| | | | | (When Channel 15's show work, the fixture's tilt will not move, the tilt's position still controlled by channel 1) |
| | | | 255 | Reset |
| * | 5 | 17 | 0-255 | Red color 1 |
| | 6 | 18 | 0-255 | Green color 1 |
| | 7 | 19 | 0-255 | Blue color 1 |
| | 8 | 20 | 0-255 | White color 1 |
| | 9 | 21 | 0-255 | Red color 2 |
| | 10 | 22 | 0-255 | Green color 2 |
| | 11 | 23 | 0-255 | Blue color 2 |
| | 12 | 24 | 0-255 | White color 2 |
| | 13 | 25 | 0-255 | Red color 3 |
| | 14 | 26 | 0-255 | Green color 3 |
| | 15 | 27 | 0-255 | Blue color 3 |
| | 16 | 28 | 0-255 | White color 3 |
| | 17 | 29 | 0-255 | Red color 4 |
| | 18 | 30 | 0-255 | Green color 4 |
| | 19 | 31 | 0-255 | Blue color 4 |
| | 20 | 32 | 0-255 | White color 4 |
| | 21 | 33 | 0-255 | Red color 5 |
| | 22 | 34 | 0-255 | Green color 5 |
| | 23 | 35 | 0-255 | Blue color 5 |
| | 24 | 36 | 0-255 | White color 5 |
| | 25 | 37 | 0-255 | Red color 6 |
| | 26 | 38 | 0-255 | Green color 6 |
| | 27 | 39 | 0-255 | Blue color 6 |
| | 28 | 40 | 0-255 | White color 6 |
| | 29 | 41 | 0-255 | Red color 7 |
| | 30 | 42 | 0-255 | Green color 7 |

| | | | |
|----|----|-------|----------------|
| 31 | 43 | 0-255 | Blue color 7 |
| 32 | 44 | 0-255 | White color 7 |
| 33 | 45 | 0-255 | Red color 8 |
| 34 | 46 | 0-255 | Green color 8 |
| 35 | 47 | 0-255 | Blue color 8 |
| 36 | 48 | 0-255 | White color 8 |
| 37 | 49 | 0-255 | Red color 9 |
| 38 | 50 | 0-255 | Green color 9 |
| 39 | 51 | 0-255 | Blue color 9 |
| 40 | 52 | 0-255 | White color 9 |
| 41 | 53 | 0-255 | Red color 10 |
| 42 | 54 | 0-255 | Green color 10 |
| 43 | 55 | 0-255 | Blue color 10 |
| 44 | 56 | 0-255 | White color 10 |
| 45 | 57 | 0-255 | Red color 11 |
| 46 | 58 | 0-255 | Green color 11 |
| 47 | 59 | 0-255 | Blue color 11 |
| 48 | 60 | 0-255 | White color 11 |
| 49 | 61 | 0-255 | Red color 12 |
| 50 | 62 | 0-255 | Green color 12 |
| 51 | 63 | 0-255 | Blue color 12 |
| 52 | 64 | 0-255 | White color 12 |
| 53 | 65 | 0-255 | Red color 13 |
| 54 | 66 | 0-255 | Green color 13 |
| 55 | 67 | 0-255 | Blue color 13 |
| 56 | 68 | 0-255 | White color 13 |
| 57 | 69 | 0-255 | Red color 14 |
| 58 | 70 | 0-255 | Green color 14 |
| 59 | 71 | 0-255 | Blue color 14 |
| 60 | 72 | 0-255 | White color 14 |
| 61 | 73 | 0-255 | Red color 15 |
| 62 | 74 | 0-255 | Green color 15 |

| | | | |
|----|----|-------|----------------|
| 63 | 75 | 0-255 | Blue color 15 |
| 64 | 76 | 0-255 | White color 15 |
| 65 | 77 | 0-255 | Red color 16 |
| 66 | 78 | 0-255 | Green color 16 |
| 67 | 79 | 0-255 | Blue color 16 |
| 68 | 80 | 0-255 | White color 16 |
| 69 | 81 | 0-255 | Red color 17 |
| 70 | 82 | 0-255 | Green color 17 |
| 71 | 83 | 0-255 | Blue color 17 |
| 72 | 84 | 0-255 | White color 17 |
| 73 | 85 | 0-255 | Red color 18 |
| 74 | 86 | 0-255 | Green color 18 |
| 75 | 87 | 0-255 | Blue color 18 |
| 76 | 88 | 0-255 | White color 18 |

27CH

| 27Channel | DMX value | Function |
|------------------|----------------------|----------------------------------|
| 1 | 0-255 | Tilt movement 205° |
| 2 | 0-255 | Tilt Fine |
| 3 | 0-255 | Zoom1 |
| 4 | 0-255 | Zoom2 |
| 5 | 0-255 | Total Dimmer 0-100% |
| 6 | 0-9 | No Effect |
| | 10-255 | Shutter effect from slow to fast |
| 7 | Light 1 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |

| | | |
|---------|--|--|
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| | 206-255 | Red color +Green color +Blue color +White color |
| 8 | Light 2 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| 206-255 | Red color +Green color +Blue color +White color | |
| 9 | Light 3 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |

| | | |
|---------|---|---|
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| | 206-255 | Red color +Green color +Blue color +White color |
| 10 | Light 4 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| 206-255 | Red color +Green color +Blue color +White color | |
| 11 | Light 5 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |

| | | |
|---------|--|--|
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| | 206-255 | Red color +Green color +Blue color +White color |
| 12 | Light 6 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| 191-205 | Green color +Blue color +White color | |
| 206-255 | Red color +Green color +Blue color +White color | |
| 13 | Light 7 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |

| | | |
|---------|--|--|
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| | 206-255 | Red color +Green color +Blue color +White color |
| 14 | Light 8 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| 206-255 | Red color +Green color +Blue color +White color | |
| 15 | Light 9 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |

| | | |
|---------|--|--|
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| | 206-255 | Red color +Green color +Blue color +White color |
| 16 | Light 10 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| 191-205 | Green color +Blue color +White color | |
| 206-255 | Red color +Green color +Blue color +White color | |
| 17 | Light 11 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |

| | | |
|---------|--|--|
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| | 206-255 | Red color +Green color +Blue color +White color |
| 18 | Light 12 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| 191-205 | Green color +Blue color +White color | |
| 206-255 | Red color +Green color +Blue color +White color | |
| 19 | Light 13 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |

| | | |
|---------|--|--|
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| | 206-255 | Red color +Green color +Blue color +White color |
| 20 | Light 14 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| 191-205 | Green color +Blue color +White color | |
| 206-255 | Red color +Green color +Blue color +White color | |
| 21 | Light 15 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |

| | | |
|---------|---|---|
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| | 206-255 | Red color +Green color +Blue color +White color |
| 22 | Light 16 Color Select | |
| | 0-10 | No function |
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| 206-255 | Red color +Green color +Blue color +White color | |
| 23 | Light 17 Color Select | |
| | 0-10 | No function |

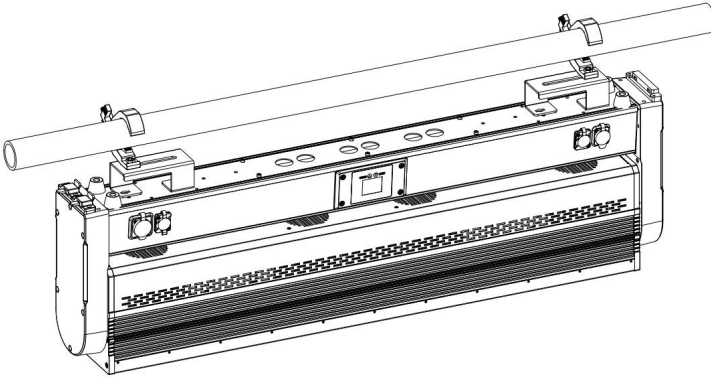
| | | |
|---------|--|--|
| | 11-25 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| | 191-205 | Green color +Blue color +White color |
| | 206-255 | Red color +Green color +Blue color +White color |
| 24 | Light 18 Color Select | |
| | 0-10 | No function |
| | 44160 | Red color |
| | 26-40 | Green color |
| | 41-55 | Blue color |
| | 56-70 | White color |
| | 71-85 | Red color +Green color |
| | 86-100 | Red color +Blue color |
| | 101-115 | Green color +Blue color |
| | 116-130 | Red color +White color |
| | 131-145 | Green color +White color |
| | 146-160 | Blue color +White color |
| | 161-175 | Red color +Green color +White color |
| | 176-190 | Red color +Blue color +White color |
| 191-205 | Green color +Blue color +White color | |
| 206-255 | Red color +Green color +Blue color +White color | |
| 25 | 0-255 | Background Dimmer 0-100% |

| | | |
|---------|--------------|--------------|
| 26 | 0-10 | No Function |
| | 11-15 | Programme 1 |
| | 16-20 | Programme 2 |
| | 21-25 | Programme 3 |
| | 26-30 | Programme 4 |
| | 31-35 | Programme 5 |
| | 36-40 | Programme 6 |
| | 41-45 | Programme 7 |
| | 46-50 | Programme 8 |
| | 51-55 | Programme 9 |
| | 56-60 | Programme 10 |
| | 61-65 | Programme 11 |
| | 66-70 | Programme 12 |
| | 71-75 | Programme 13 |
| | 76-80 | Programme 14 |
| | 81-85 | Programme 15 |
| | 86-90 | Programme 16 |
| | 91-95 | Programme 17 |
| | 96-100 | Programme 18 |
| | 101-105 | Programme 19 |
| | 106-110 | Programme 20 |
| | 111-115 | Programme 21 |
| | 116-120 | Programme 22 |
| | 121-125 | Programme 23 |
| | 126-130 | Programme 24 |
| | 131-135 | Programme 25 |
| | 136-140 | Programme 26 |
| | 141-145 | Programme 27 |
| | 146-150 | Programme 28 |
| | 151-155 | Programme 29 |
| | 156-160 | Programme 30 |
| | 161-165 | Programme 31 |
| 166-170 | Programme 32 | |

| | | |
|----|---------|--|
| | 171-175 | Programme 33 |
| | 176-180 | Programme 34 |
| | 181-185 | Programme 35 |
| | 186-190 | Programme 36 |
| | 191-195 | Programme 37 |
| | 196-200 | Programme 38 |
| | 201-205 | Programme 39 |
| | 206-210 | Programme 40 |
| | 211-215 | Programme 41 |
| | 216-220 | Programme 42 |
| | 221-235 | Programme 43 |
| | 236-245 | Sound1 |
| | 246-255 | Sound2 |
| 27 | 0-127 | Speed Slow to Fast (When Channel 15's show work, the fixture's tilt will move.) |
| | 128-254 | Speed Slow to Fast (When Channel 15's show work, the fixture's tilt will not move, the tilt's position is still controlled by channel 1) |
| | 255 | Reset |

6. Installation

6.1 Mounting & Rigging



Mounting & Rigging

- Attach Mounting Hardware

Install the 2 × ¼-turn quick-lock Omega brackets to the base, then secure suitable rated C- or O-clamps to the brackets.

- Position and Rig the Fixture

Mount the fixture onto a stable truss or structure using clamps rated to hold at least 10× the fixture's weight.

Always lift the fixture using the handles—not the clamps.

- Install the Safety Cable

Run the safety cable through the two safety-cable holes on the base and secure it to an independent safety point.

Ensure the safety cable is rated for 10× the fixture's weight.

- Ensure Ventilation

Verify that fans and ventilation openings are unobstructed and that sufficient space is available around the fixture.

- Lock / Unlock Pan & Tilt

Lock Pan and Tilt before moving the fixture.

Unlock them before powering on.

Never operate the fixture while Pan/Tilt is locked.

- Final Stability Check

Ensure all clamps, screws, and safety cable connections are firmly secured, and confirm the mounting structure can support the fixture's weight.

6.2 Power connection

Please checking the power equipment supported.

Please put the plug of power source wire connect with the main power source .

| (EU)Wire | Wire(America) | Direction of wire | General marks |
|--------------|---------------|-------------------|---|
| Brown | Black | Live | L |
| Light blue | White | Neutral | N |
| Yellow/Green | Green | Earth |  |

6.3 DMX Control Connection

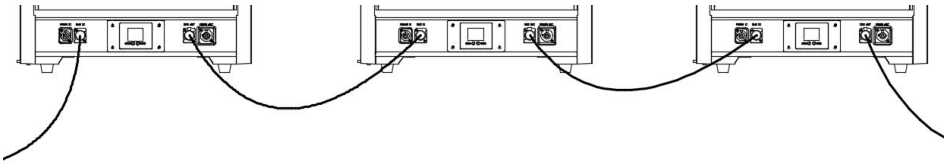
This fixture supports DMX512 (1990) control protocol and is equipped with 3-pin XLR connectors for data input and output. Use a twin-screened DMX cable with conductors of at least 0.5 mm² , ensuring correct wiring for the selected connector type.

Connect the controller's DMX OUT to the first fixture's DMX IN, then link fixtures DMX OUT → DMX IN in a daisy-chain. For optimal signal integrity, install a **DMX terminator** on the DMX OUT of the final fixture.

Ensure no pin makes contact with the connector housing or other pins.

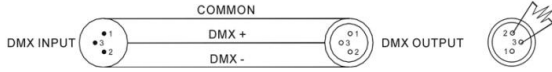
Before use, test cables with an ohm meter to verify correct polarity and to ensure no pins or shield are shorted to ground, as this may result in data errors or unstable operation.

For convenience, connect fixtures in the physical order they are installed, rather than by DMX address sequence.



DMX IN

DMX OUT



7. Maintenance & Cleaning

Regular maintenance is essential to ensure optimal performance and extend the service life of the fixture.

7.1 Cleaning

Disconnect the unit from power before any cleaning work.

Use a soft, lint-free cloth slightly dampened with mild detergent to clean the exterior surfaces.

Gently remove dust from ventilation slots, optical lenses, and cooling components using compressed air or a soft brush.

Avoid using solvents, alcohol, or abrasive materials that may damage the housing or optical elements.

7.2 Lubrication

This fixture is designed with sealed or maintenance-free moving parts. Under normal operating conditions, no additional lubrication is required.

If abnormal noise or movement resistance is observed, contact qualified service personnel before applying any lubricant.

7.3 Troubleshooting

If the fixture does not power on, verify the power supply, cables, and connectors.

For control issues, check DMX addressing, cable integrity, and ensure proper 3-pin/5-pin XLR connections.

Overheating or unexpected shutdown may indicate blocked ventilation; inspect and clean air inlets and outlets.

If problems persist after basic checks, discontinue use and contact authorized service technicians.



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