



SILENT LED Matrix Light (Model: YR-B36Q)



User Manual

Please read these instructions carefully before use

Note: The ideal working environment of this device is between 0-35 degrees, and the surface temperature of the lamp body is 40-70 degrees. In order to protect safe operation, it is absolutely necessary for users to follow the safety instructions and warnings in this manual.

Technical indicators:

Light source parameters:

Light source: 36 (15W 4in1 RGBW)

Light source life: 50000 hours

Light effect: beam matrix 6x6

Control parameters:

Strobe: 0-30Hz, standard strobe

Dimming: 0~100% standard linear dimming, no flicker

Control signal: DMX512 (Digital MultipleX 512) + RDM, in line with international standard lighting control transmission protocol, support console setting address code, support DMX interface upgrade software

Control channel: 4 channels, 12 channels, 144 channels

Built-in effects: strobe + flash + static color mixing + self-propelled + background light

Cooling method: natural heat dissipation by fins

Noise: silent, no fan

Over-temperature protection: Power reduction protection for high temperature above 80 degrees, effectively protecting the light source and prolonging the life

Real-time monitoring: light source temperature, signal display.

Working parameters:

Working voltage: AC100V-240V (50/60HZ)

Rated total power: 500W

Power factor: 0.56

Rated current: 2.27A

Use ambient temperature: <40 degrees

Lighting parameters:

Chassis material: engineering aluminum alloy (high temperature resistance), fine sand paint (high-end wear resistance)

Display: LED bright red digital tube + 4 mechanical buttons, support 30s off-screen and continuous on-screen dual modes

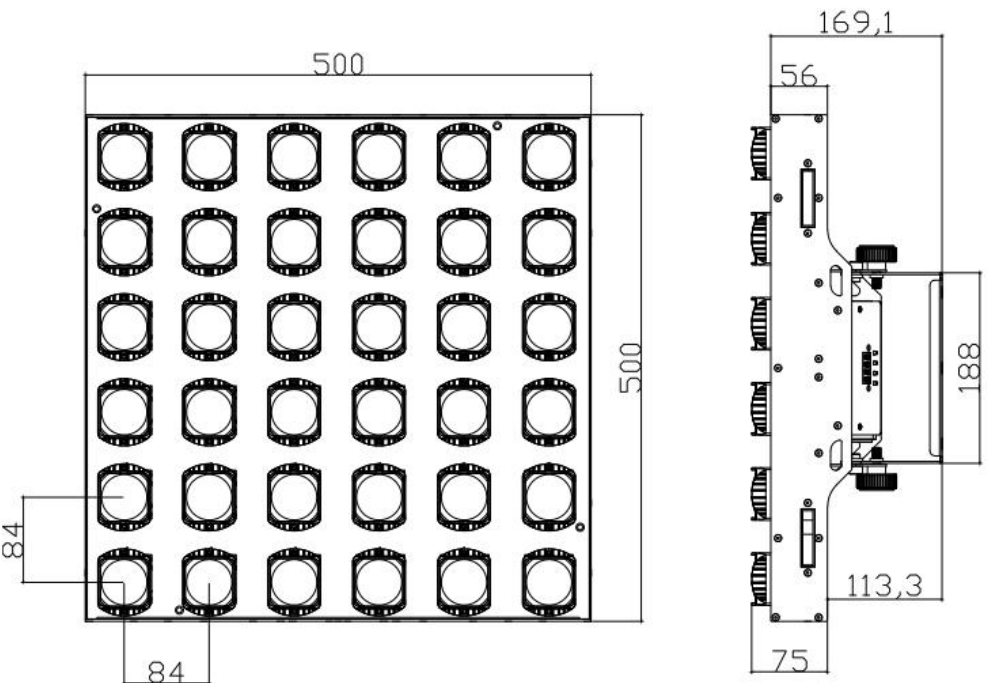
Power interface: Twist crisp head, one blue (in) and one white (out)

Signal interface: signal socket 3-core male + female, can be plugged into DMX512 wireless signal receiver

Waterproof grade: IP20

Net weight: 7.2KG

1. Lamp size:



合格证

Certification

产品名称: _____
Item Name

产品型号: _____
Item NO.

检验员: _____
Inspector

检验日期: _____
Inspection Date

执行标准: GB7000 · 217-2008
Implementation Standards

本产品经检验合格，准予出厂！

This product passed the inspection

广东雅格莱灯光音响有限公司
Guangdong YaGe Lai Lighting & Audio Limited

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保修卡

Protection to Fix Card

非常感谢您使用我们的产品

1. 本产品从购买日起，正常操作使用并未经拆修，经维修人员确认属产品
大质量问题，一年内享受保修服务(其中光源为易耗品只享受三个月保修)，
在作保正常情况下均提供免费维修。

2. 保修卡应在购买时填写，保修卡无本公司保修章无效，产品维修时请带保修卡。

Very thank you for using our products

1. From the date of purchase, if the product is operated correctly without disassembling
and fixing at the same time, the quality problem was confirmed by our after-sale
service department, we will offer maintenance services at any time under any normal
situation within one year.

2. The warranty card should be filled in at the time of purchase. The warranty card is
invalid without our company's warranty seal. Please bring the warranty card when
maintaining the product.

| 顾客姓名 Customer Name | 购买日期 Purchase Date | 产品型号 Product Model | 购买商 Purchase |
|------------------------------|-----------------------|-----------------------|-----------------|
| 保修记录: Maintenance Record: | | | |

广东雅格莱灯光音响有限公司

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Address: C10 Building, Zhongchengwanwan, No. 41, Dajiang Avenue, Daxiang, High-tech Zone,
Zhaoqing City, Guangdong Province

2. Operating Instructions:



MENU UP DOWN ENTER

Press the MENU (menu) key to cycle through 9 different menus. Press ENTER (confirm) key to enter the corresponding menu, press UP (plus key) or DOWN (minus key) to modify the current value. Press ENTER to save the current value.

3. Menu function reference table:

| No. | Menu | Menu function |
|-----|------|---|
| 1 | A001 | Address code (A001-A512) |
| 2 | C004 | Channel selection C004, C12, C144 |
| 3 | M000 | Built-in effects (M000-M062) |
| 4 | S000 | Built-in effect running speed (S000-S255) |
| 5 | R255 | Red brightness adjustment: R000-R255 |
| 6 | G255 | Green brightness adjustment: G000-G255 |
| 7 | B255 | Blue brightness adjustment: B000-B255 |
| 8 | W255 | White brightness adjustment: W000-W255 |
| 9 | T000 | Display temperature, such as T045 means the current lamp temperature is 45 °C; if 10K thermistor doesn't be installed, it will display T000 |

4. Factory settings: (press the menu key for 5 seconds to enter, press the menu key for 5 seconds to exit after setting)

| No | Menu | Menu function |
|----|------|--|
| 1 | R255 | Red lamp bead current (R032-R255), save by confirm key, default R220 |

- The distance between the direction of the light outlet of the lamp and the object to be illuminated is at least 0.5 meters.
- The light output direction of the lamp is the optical lens. During use, no external force can hit the glass. If the lens is damaged, you need to find a professional to replace the lens with the same specification before using it.
- When the sheath of the power cord is damaged, you must find a professional to replace it with a new power cord of the same specification before using it.
- When the product is hung and installed, the load of the hanging part must be at least 3 times the weight of the product, and a safety rope should be buckled on the auxiliary suspension device of the lamp. The load of the safety rope should be greater than 3 times the weight of the product above.
- When the lamp is in use, it must be controlled within the use time indicated by the light source. After the use time is reached, please replace the light source in time before using it, otherwise the light source is easily deformed or weakened, which will affect the use.

The company reserves the right to modify this manual without prior notice.

1. Check whether the power supply and voltage are normal before use. If the voltage fluctuates greatly, it is recommended to use a voltage stabilizer or voltage regulator for power supply.
2. This equipment is IP20 grade, it is strictly forbidden to use dry ice machine smoke screen to cover lamps.
3. This equipment belongs to the first-class protection lamps, so the yellow and green double-color wires must be grounded, and it must be taken care of by professionals.
4. Do not touch the shell of the device with your hands when it is working.
5. The internal components of this equipment must be purchased from the manufacturer.
6. The power cord of the product must be grounded and well grounded.
7. When using the console, try to avoid the left and right neighbors when controlling, and whether there is any source of interference. (Example: wireless walkie-talkie, high-frequency transmission source, etc.)
8. When using this product, the same line can control up to 20 sets of the same product. If it exceeds this range, additional signal amplification equipment must be used to amplify the signal, and a terminator should be installed on the DMX output port of the last light, and a 120 ohm (The error is within 5 ohms) The 1/4W resistor is between Pin2 and Pin3.
9. The input power cord of this product is equipped with a specification of 1.0 square meters. When connecting by hand, no more than 4 lamps can be connected. The company shall not be responsible for the use of burnt lamps and other accidents that do not follow this requirement.
10. If the display screen and lens are visibly damaged, that is, damaged to the point of failure, such as cracks or deep marks, they should be replaced;

8. Installation requirements:

1. When installing this device, please ensure that there are no extreme, flammable and explosive items (decorations), etc. within a distance of 3 meters.

| | | |
|---|------|--|
| 2 | G255 | Green lamp bead current (G032-G255), confirm key to save, default G220 |
| 3 | B255 | Blue lamp bead current (B032-B255), press the confirm key to save, the default is B220 |
| 4 | W255 | White lamp bead current (W032-W255), save with the confirm key, default W220 |
| 5 | Dir0 | Flowing direction (d0-d7), save by confirm key, default d0 |
| 6 | FAN0 | Reserved |
| 7 | T040 | Set temperature protection point (40°C-70°C), default T065 |
| 8 | Send | Send up or down the factory setting parameters of this machine, to all other lamps connected in parallel with three-core signal lines; confirm sending parameters and press the menu key for 5 seconds to exit, deny the parameters and press the confirmation key to cancel sending |

5. DMX512 channel description:

4 channels:

| No. | Function | Description |
|-----------|----------|--|
| Channel 1 | Red | 0-255: Red linear dimming, from the darkest to the brightest |
| Channel 2 | Green | 0-255: Green linear dimming, from the darkest to the brightest |
| Channel 3 | Blue | 0-255: Blue linear dimming, from the darkest to the brightest |
| Channel 4 | White | 0-255: White linear dimming, from the darkest to the brightest |

12 channels:

| No | Function | Description |
|------------|-----------------------------|--|
| Channel 1 | Total Dimming | 0-255: linear dimming, from the darkest to the brightest |
| Channel 2 | Strobe | 0-255: strobe speed adjustment |
| Channel 3 | Red | 0-255: Red linear dimming, from the darkest to the brightest |
| Channel 4 | Green | 0-255: Green linear dimming, from the darkest to the brightest |
| Channel 5 | Blue | 0-255: Blue linear dimming, from the darkest to the brightest |
| Channel 6 | White | 0-255: White linear dimming, from the darkest to the brightest |
| Channel 7 | Macro color | 0-255: macro color selection |
| Channel 8 | Auto mode | 0-255: Auto mode selection |
| Channel 9 | Auto speed | 0-255: Auto speed adjustment |
| Channel 10 | Auto direction | 0-255: Auto direction selection |
| Channel 11 | Background color | 0-255: background color selection |
| Channel 12 | Background color brightness | 0-255: background color brightness adjustment |

144 channels:

| No | Function | Description |
|-----------|-----------|--|
| Channel 1 | 1st red | 0-255: linear dimming of the 1st red lamp bead |
| Channel 2 | 1st green | 0-255: linear dimming of the 1st green lamp bead |
| Channel 3 | 1st blue | 0-255: linear dimming of the 1st blue lamp bead |
| Channel 4 | 1st white | 0-255: linear dimming of the 1st white lamp bead |
| ... | ... | ... |
| | | |

| | | |
|-------------|------------|---|
| Channel 141 | 36th red | 0-255: linear dimming of the 36th red lamp bead |
| Channel 142 | 36th green | 0-255: linear dimming of the 36th green lamp bead |
| Channel 143 | 36th blue | 0-255: Linear dimming of the 36th blue lamp bead |
| Channel 144 | 36th white | 0-255: linear dimming of the 36th white lamp bead |

6. Master-slave mode online instructions:

Master-slave connection: Set one of the machines as the master, select the operating mode of the menu, set the other machines as slaves, and set the slaves to the DMX address code state. Connect the signal line. At this time, the slave is controlled by the master, and its function is synchronized with the current function of the master.

The console controls multiple products: set all products to the same or different address code values (note: before controlling, the controlled products must be uniformly set to the DMX menu to control synchronously, and the address code value is set to 001), connect the signal line, At this point, the slave is controlled by the console, and its functions are synchronized with the current functions of the console.

7. Instructions for use and notes



WARNING, ELECTRIC SHOCK HAZARD

If the light source in this lamp needs to be replaced, it should be replaced by our company or our service agent or a person with similar qualifications.