IP65 19X40W Bee Eye

Please read the instructions carefully before use.

Statement

The products have good performance and good packaging when they leave the factory. All users should abide by the warnings and manuals. Any damage caused by misuse is not covered by our warranty, and we are not responsible for any faults and problems caused by ignoring the manuals.

Safety instructions

Please keep this user guide for future reference. If you sell this equipment to other users, please ensure that they also receive this manual.

- Before using the equipment, open the package and carefully check whether there is any damage during transportation.
- Before operation, ensure that the voltage and frequency of the power supply match the power requirements of the device.
- To avoid electric shock, it is important to ground the yellow/green conductor.
- The device is only for indoor use. Use only in dry places.
- The device must be installed in a well-ventilated place, at least 50 cm away from the adjacent surface. Make sure that no ventilation slots are blocked.
- Disconnect the main power supply before replacement or maintenance.
- When operating, make sure that there is no flammable material near the equipment, because it is a fire hazard.
- Please use the safety cable when fixing this equipment. Don't just hold its head, but its bottom.
- Maximum ambient temperature Ta: 40℃. Do not operate in a place with high temperature. Compared with this unit surface temperature may reach 85℃. Do not touch the shell with your hands during operation. Before replacement or maintenance, please turn off the power and let the equipment cool for about 15 minutes.
- If there is a serious operation problem, please stop using the device immediately. Never try to repair the equipment yourself. Repairing by unskilled personnel may cause damage or malfunction. P Please contact the nearest authorized technical support center. Always use the same type of spare parts.
- Do not touch any wires during operation, because high voltage may cause electric shock.

Warning:

- To prevent or reduce the risk of electric shock or fire, do not expose the equipment to rain or moisture.
- If the housing, lens or ultraviolet filter is obviously damaged, it must be replaced.

Note:

- There are no user-serviceable parts inside the equipment. Please don't open the shell by yourself or try any maintenance. In case your equipment needs maintenance, please contact your nearest dealer.

Installation:

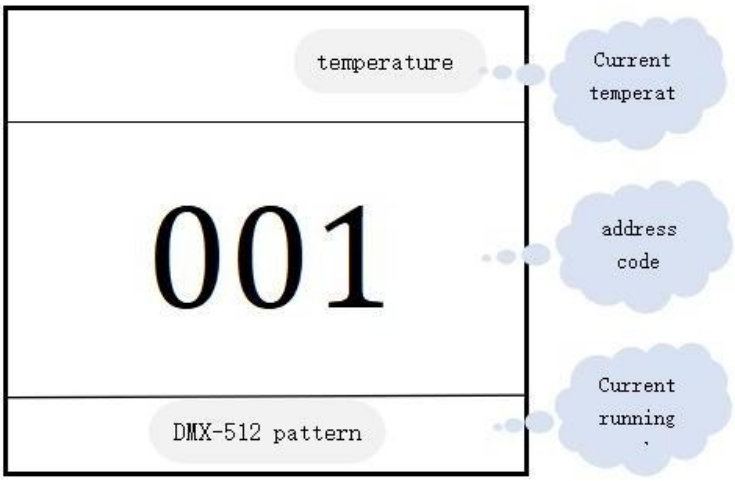
The device should be installed on the bracket through its screw holes. Always ensure that the device is firm and fixed to avoid vibration and sliding during operation. And ensure that the structure connecting the device is safe and can support 10 times the weight of the device. In addition, when installing lamps, be sure to use a safety cable that can withstand 12 times the weight of the equipment.

• The equipment must be repaired by professionals.

Technical condition

Voltage: AC100V~ 240V 50-60HZ
Rated power: 760W
LED light source: 19x40W high power RGBW 4-in-1 lamp bead
Focusing: 8.5—45℃
Strobe: 0-20Hz
Control mode: DMX512, master control
Channel: 21/22/35/36/37 channel
Pixel channels: 57/76 channels
Dimmer: 0-100% linear dimmer
Horizontal: 540 +16-bit fine adjustment
Vertical: 270 +16-bit fine adjustment
Display screen: Color display +touch button
Dimming curves: four types of dimming curves (exponential dimming, logarithmic dimming, S-dimming, linear dimming)
Features: Micro brightness dimming effect is good, with a refresh rate selection of light beads (1K -43.7K), strong beam sense, built-in multiple dynamic effects, intelligent temperature control, ultra quiet focusing and rotation, no lagging, and automatic defogging function
Control protocol: DMX512, RDM (ArtNet, sACN, and KlingNet network protocols optional), self-propelled, master-slave mode
Heat dissipation: air-cooled cooling system
Shell: Die cast aluminum
Net weight: 23.7kg
Carton size: 64*36*53cm
Gross weight: 26.4kg
IP: IP65

Control menu



Menu operation

Address: Click to enter the address code setting.

Settings: Click to enter system settings.

Test: Click to enter manual mode.

Calibration: Click and enter the password to enter the system calibration mode.

Reset: Click to enter the system reset mode.

Information: Click to view system information.

Menu	Secondary menu	Three menus/parameters	Four-level menu
Address	001 - 512		
Control manually	Red	000-255	
	Red fine tuning	000-255	
	Green	000-255	
	Green fine tuning	000-255	
	Blue	000-255	
	Blue fine tuning	000-255	
	White	000-255	
	White fine tuning	000-255	
	Colour temperature	000-255	
	Color macro	000-255	
	Stroboscopic	000-255	
	Aiming	000-255	
	Dimming and fine tuning	000-255	
	Level	000-255	
	Horizontal fine adjustment	000-255	
	Perpendicular/vertical	000-255	
	Vertical fine tuning	000-255	
	Function control	000-255	
	Reset	000-255	

Control manually	Focus	000-255	
	Focusing rotation	000-255	
	Graphic selection	000-255	
	Graphic speed	000-255	
	Graphic gradient	000-255	
	Graphic red	000-255	
	Graphic green	000-255	
	Graphic blue	000-255	
	Graphic white	000-255	
	Graphic dimming	000-255	
	Background dimming	000-255	
	Graphic conversion	000-255	
	Graphic offset	000-255	
	Foreground stroboscopic	000-255	
	Background stroboscopic	000-255	
	Background selection	000-255	
Set up	Channel mode	21/22/35/36/37	
	Pixel mode	Turn off /RGB/RGBW	
	Control model	DMX/master control	
	Horizontal inversion	Close/open	
	Vertical inversion	Close/open	
	Color correction	Close/open	
	Signal processing	Clear/hold	
	Fan control	Auto/High Speed/Silent	
	Dimming curve	Exponent 1.5/ Exponent 2.0/ Line/Curve	
	Dimming frequency	1500Hz/1000Hz/43700Hz/31000Hz/21400Hz/ 15100Hz/9600Hz/5600Hz/3700Hz/2400Hz	
	Language settings	Chinese/English	
	Display inversion	Normal/reverse	
	Display mode	60 seconds/always on	
	Touch calibration	000-255	
Test	Motor reset	Cancel/execute	
	Factory settings	Cancel/execute	
Factory	Password input	000 - 255	
	Horizontal correction	000 - 255	
	Vertical correction	000 - 255	
	Focusing correction	000 - 255	
	Rotation correction	000 - 255	
	Red correction	000 - 255	
	Green correction	000 - 255	
	Blue correction	000 - 255	
	White correction	000 - 255	

Information	Time information	Available machine time	xxxH
		Total time	xxxH
		Boot count	xxxH
	Sensing detection	Horizontal sensing	Error/normal
		Vertical sensing	Error/normal
		Focusing sensing	Error/normal
		Temperature sensing	Error/normal
		Fan sensing	Error/normal
	Temperature control information	Lamp holder temperature	xxxC
	Software release	Panel version	Vx.xx
		Motor version	Vx.xx
		Dimming version 1	Vx.xx

DMX channel

CH	*Function*			
	Standard	***Standard+frequency***	***Shape***	***Shape+frequency***
1	Red	Red	Red	Red
2	Red fine tuning	Red fine tuning	Red fine tuning	Red fine tuning
3	Green	Green	Green	Green
4	Green fine tuning	Green fine tuning	Green fine tuning	Green fine tuning
5	Blue	Blue	Blue	Blue
6	Blue fine tuning	Blue fine tuning	Blue fine tuning	Blue fine tuning
7	White	White	White	White
8	White fine tuning	White fine tuning	White fine tuning	White fine tuning
9	Linear CTO	Linear CTO	Linear CTO	Linear CTO
10	Macroscopic color	Macroscopic color	Macroscopic color	Macroscopic color
11	Stroboscopic	Stroboscopic	Stroboscopic	Stroboscopic
12	Light modulator	Light modulator	Light modulator	Light modulator
13	Fine dimming	Fine dimming	Fine dimming	Fine dimming
14	Level	Level	Level	Level
15	Horizontal fine adjustment	Horizontal fine adjustment	Horizontal fine adjustment	Horizontal fine adjustment
16	Perpendicular/vertical	Perpendicular/vertical	Perpendicular/vertical	Perpendicular/vertical
17	Vertical fine tuning	Vertical fine tuning	Vertical fine tuning	Vertical fine tuning
18	Function	Function	Function	Function
19	Reset	Reset	Reset	Reset
20	Focus	Focus	Focus	Focus
21	Focusing rotation	Focusing rotation	Focusing rotation	Focusing rotation
22	-	Frequency	Shape select	Shape select
23	-	-	Forming speed	Forming speed
24	-	-	Shape fading	Shape fading
25	-	-	Shape r	Shape r
26	-	-	Shape g	Shape g
27	-	-	Shape b	Shape b

28	-	-	Shape w	Shape w
29	-	-	Shape dimmer	Shape dimmer
30	-	-	Background dimmer	Background dimmer
31	-	-	Shape transit	Shape transit
32	-	-	Shape deviation	Shape deviation
33	-	-	Front desk flash	Front desk flash
34	-	-	Background flash	Background flash
35	-	-	Background selection	Background selection
36	-	-	-	frequency

CH	***Function***				
	Standard	***Standard+frequency***	***Shape***	***Shape+frequency***	
1	Red	Red	Red	Red	Red
2	Red fine tuning	Red fine tuning	Red fine tuning	Red fine tuning	Red fine tuning
3	Green	Green	Green	Green	Green
4	Green fine tuning	Green fine tuning	Green fine tuning	Green fine tuning	Green fine tuning
5	Blue	Blue	Blue	Blue	Blue
6	Blue fine tuning	Blue fine tuning	Blue fine tuning	Blue fine tuning	Blue fine tuning
7	White	White	White	White	White
8	White fine tuning	White fine tuning	White fine tuning	White fine tuning	White fine tuning
9	Linear CTO	Linear CTO	Linear CTO	Linear CTO	Linear CTO
10	Macroscopic color	Macroscopic color	Macroscopic color	Macroscopic color	Macroscopic color
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18	Function	Function	Function	Function	Function
19	Reset	Reset	Reset	Reset	Reset
20	Focus	Focus	Focus	Focus	Focus
21	Focusing rotation	Focusing rotation	Focusing rotation	Focusing rotation	Focusing rotation
22	-	Frequency	Shape select	Shape select	Shape select
23	-	-	Forming speed	Forming speed	Forming speed
24	-	-	Shape fading	Shape fading	Shape fading
25	-	-	Shape r	Shape r	Shape r
26	-	-	Shape g	Shape g	Shape g
27	-	-	Shape b	Shape b	Shape b
28	-	-	Shape w	Shape w	Shape w
29	-	-	Shape dimmer	Shape dimmer	Shape dimmer
30	-	-	Background dimmer	Background dimmer	Background dimmer

31	-	-	Shape transit	Shape transit	Shape transit
32	-	-	Shape deviation	Shape deviation	Shape deviation
33	-	-	Front desk flash	Front desk flash	Front desk flash
34	-	-	Background flash	Background flash	Background flash
35	-	-	Background selection	Background selection	Background selection
36	-	-	-	frequency	L3 Shutter
37					L3 Dimmer

Channel	***Cunction***
	Pixel engine RGB
1	Red LED 1
2	Green LED 1
3	Blue LED 1
…	…
…	…
…	…
55	Red LED 17
56	Green LED 18
57	Blue LED 19

The pixel engine needs to be enabled through the function channel (bits 103-105).

Channel	***Function***
	Pixel engine RGBW
1	Red LED 1
2	Green LED 1
3	Blue LED 1
4	White LED 1
…	…
…	…
…	…
…	…
73	Red LED 16
74	Green LED 17
75	Blue LED 18
76	White LED 19

Trouble shooting

The following are some common problems that may occur during the operation. Here are some simple troubleshooting suggestions:

A. The unit doesn't work, and the fan doesn't work without light.

1. Check the connection between power supply and main fuse.
2. Measure the power supply voltage on the main connector.
3. Check the power indicator.

B. Not responding to DMX controller

1. The DMX team should be on. If not, check the DMX connector and cable to see if the link is correct.
2. If the DMX LED is on and the channel is not responding, check the address setting and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on the connector or the unit

or previous one on the printed circuit board.

4. Try using another DMX controller.
5. Check whether the DMX cable is close to or near the high voltage cable, which may cause damage or interference to the DMX interface circuit.

C. One of the channels is not working properly.

1. The stepper motor may be damaged or the cable connected to the PCB may be disconnected.
2. The motor drive IC on the PCB may be faulty.

Fixture cleaning

Cleaning of internal and external optical lenses and/or mirrors must be carried out regularly to optimize light output. The cleaning frequency depends on the working environment of the lamp: humid, smoky or particularly dirty environment will lead to more dirt accumulation on the optical components of the equipment.

Use ordinary glass cleaning solution and clean with a soft cloth. Be careful to dry the parts.

Clean external optical elements at least once every 20 days. Clean the internal optical elements at least once every 30/60 days.