

MINI WASH BEE EYE + ZOOM 7X40W

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MH000052



User Manual

Please read the instructions carefully before use.

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This product manual contains important information about the safe installation and use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction and problem owing to ignore the manual.

1. SAFETY INSTRUCTION

Please keep this user guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Unpack and check carefully there is no transportation damage before using the unit.

Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit. Its important to ground the yellow/green conductor to earth in order to avoid electric shock.

The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.

Disconnect main power before replacement or servicing. Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

Use safety cable when fixes this unit. Do not handle the unit by taking its head only, but always by taking its base.

Maximum ambient temperature is t_a : 40c. Do not operate it where the temperature is higher than this unit surface temperature may reach up to 85c. Do not touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

Do not touch any wire during operation as high voltage might be causing electric shock.

WARNING:

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture. Do not open the unit within five minutes after switching off. The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

⚠ CAUTION:

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

⚙ INSTALLATION:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the units weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture. The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. TECHNICAL SPECIFICATION

Power Voltage: AC 100-240V, 50/60Hz

Power Consumption: 350W

Light Sources: High power 4in1 rgbw 40w x 7pcs LEDs

Light source life: 50000 hours

Color Mxing: RGBW color mixing

Color: Each color and led can be individual control

FX Effect: Front lens can be 360° rotation in both directions

Zoom angle: 4°-45°linear zoom

CTO: 3200k-6500K adjustable

Control

DMX Channel: 23/35/51 Channels

Control Modes: DMX512, Auto, Master-Slave, Music

Construction

Display: LCD Display

DMX In/Out socket: 3-pin XLR sockets

Power Socket: Powercon in/out

Protection Rating: IP20

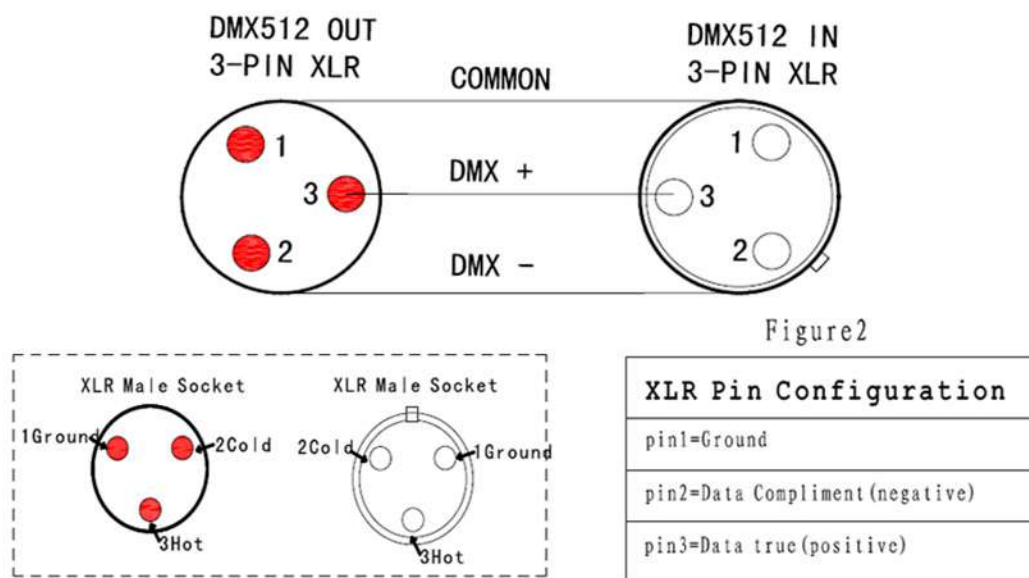
Weight & Size

Net Weight: 7Kgs Product size: 270*185*345 mm



3. HOW TO CONTROL THE DEVICE

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. connect several lights together, dmx in and dmx out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)



Display:

- MENU To select the programming functions
- DOWN To go backward in the selected functions
- UP To go forward in the selected functions
- ENTER To confirm the selected functions

Set DMX Address Code:

1. Press **"Menu"** to "Set DMX Address", and press **"ENTER"** keys to enter into
2. Show "Set DMX Address DMX Address:001", Press the **"UP"** and **"DOWN"** keys to amended
3. Press **"ENTER"** keys to save and Exit, Press the **"MENU"** Keys does not save and Exit
4. Functions setting via LED display panel as below:

	Change Password	输入新密码
System Reset	Effect motor reset	Effect reset except for XY
	Scanning motor reset	Only XY reset
	All motor reset	Light reset
System information	Reset info	Display specific information content
	DMX Data detection	Display specific testing content for DMA
	Sensor information	Display specific information of optocoupler and Hall
	Hardware version	Display hardware version number
	Software version	Display software version number

Screen automatic rotation function

The system can automatically rotate the screen according to the direction of gravity, without the need for manual rotation. The automatic rotation function can also be turned off.

Manual control

This interface is used to control the current lighting fixture. Press the "OK" button to enter the editing status. Press the "Up" and "Down" keys to change the channel value. Press' OK 'again to save the modified values and exit editing. Press' Exit' to exit editing without saving the modified values.

System calibration

Set up a layer of passwords here to prevent unprofessional personnel from misoperating. Press the "OK" button to verify the password.

Option	Description
Initial position calibration	After the initial position calibration enters the sub interface, the reset positions of the X-axis, Y-axis, and other motors can be adjusted to compensate for hardware installation errors. The adjustment range of 0-255127 indicates no adjustment

White balance calibration	Adjustable light bead white balance, with an adjustment range of 0-255, 255 indicating no adjustment
Power Calibration	Adjustable lamp bead power, with an adjustment range of 0-255, 255 indicating no adjustment

Reset

Press the "Up" and "Down" keys to switch the reset mode, and press "OK" to directly reset.

Option	Description
Head	Effect reset except for XY
XY	Only XY reset
All	Whole light reset

System information

Option	Description
Reset error info	If the red ERR indicator light is on, it indicates that the lamp is operating incorrectly. Detailed information can be viewed from this sub interface.
DMX Data detection	From here, enter the sub interface and display the channel values in numerical form for viewing
Sensor information	Real time monitoring of various photoelectric switches, Hall and other sensor states on the lamp
Hardware version	Hardware information of lighting fixtures
Software version	Software information of lighting fixtures

4. DMX CHANNEL TABLE

DMX 512 23 CHs

Channel	Function	Value
CH1	Pan	0-255
CH2	Pan Fine	0-255
CH3	Tilt	0-255
CH4	Tilt Fine	0-255
CH5	Pan/Tile speed	0-255
CH6	Zoom	0-255
CH7	Lens Rotation	0-127 60 degree
		128-191 Clockwise rotation
		1912-255 Anticlockwise rotation
CH8	Dimmer	0-255
CH9	Strobe	0-3 Light on
		4-200 Synchronous strobe slow to fast
		201-215 Low speed strobe
		206-234 Middle speed strobe
		235-255 High speed strobe
CH10	Red	0-255
CH11	Green	0-255
CH12	Blue	0-255
CH13	White	0-255
CH14	CTO	0-255
CH15	Wash color	0-255
CH16	Static Effect	0-255

CH16	Static Effect	0-255
CH17	Dynamic Effect	0-255
CH18	Dynamic Effect Speed	0-255
CH19	Background Red	0-255
CH20	Background Green	0-255
CH21	Background Blue	0-255
CH22	Background White	0-255
CH23	Reset	200-205 Reset after 5s

DMX 512 35 CHs

Channel	Function	Value
CH1	Red	0-255
CH2	Red Fine	0-255
CH3	Green	0-255
CH4	Green Fine	0-255
CH5	Blue	0-255
CH6	Blue Fine	0-255
CH7	White	0-255
CH8	White Fine	0-255
CH9	CTO	0-255
CH10	Macro	0-255
CH11	Strobe	0-3 Light on
		4-200 Synchronous strobe slow to fast
		201-215 Low speed strobe
		206-234 Middle speed strobe
		235-255 High speed strobe
CH12	Dimmer	0-255

CH12	Dimmer	0-255
CH13	Dimmer Fine	0-255
CH14	Pan	0-255
CH15	Pan Fine	0-255
CH16	Tilt	0-255
CH17	Tilt Fine	0-255
CH18	Function	Reverse
CH19	Reset	200-205 After 5s reset
CH20	Zoom	0-255
CH21	Lens Rotation	0-127 60 degree
		128-191 Clockwise rotation
		192-255 Anticlockwise rotation
CH22	Pattern Rotate	0-255
CH23	Pattern Rotate Speed	0-255
CH24	Pattern Effect desaturation	0-255
CH25	Pattern Effect Red	0-255
CH26	Pattern Effect Green	0-255
CH27	Pattern Effect Blue	0-255
CH28	Pattern Effect White	0-255
CH29	Pattern Dimmer	0-255
CH30	Background Dimmer	0-255
CH31	Pattern transition	0-255
CH32	Pattern angle adjustable	0-255
CH33	Foreground strobe	0-255
CH34	Background strobe	0-255
CH35	Background selection	0-255

DMX 512 51CHs

Channel	Function	Value
CH1	Pan	0-255
CH2	Pan Fine	0-255
CH3	Tilt	0-255
CH4	Tilt Fine	0-255
CH5	Pan/Tilt speed	0-255
CH6	Zoom	0-255
CH7	Lens Rotation	0-127 60 degree
CH8	White Fine	128-191 Clockwise rotation
CH9	CTO	1912-255 Anticlockwise rotation
CH8	Dimmer	0-255
CH9	Strobe	0-3 Light on
		4-200 Synchronous strobe slow to fast
		201-215 Low speed strobe
		206-234 Middle speed strobe
CH12	Dimmer	235-255 High speed strobe
CH10	Red	0-255
CH11	Green	0-255
CH12	Blue	0-255
CH13	White	0-255
CH14	CTO	0-255
CH15	Wash color	0-255
CH16	Static Effect	0-255
CH17	Dynamic Effect	0-255
	Dynamic Effect Speed	0-255

CH18 CH19 CH20	Dynamic Effect Speed Background Red Background Green	0-255
		0-255
		0-255
CH21	Background Blue	0-255
CH22	Background White	0-255
CH23	Reset	200-205 Reset after 5s
CH24	Red LED 1	0-255
CH25	Green LED 1	0-255
CH26	Blue LED 1	0-255
CH27	White LED 2	0-255
CH28	Green LED 2	0-255
CH29	Blue LED 2	0-255
CH30	White LED 2	0-255
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CH28	Red LED 6	0-255
CH29	Green LED 6	0-255
Ch46	Blue LED 6	
Ch47	White LED 6	
CH48	Red LED 7	0-255
CH49	Green LED 7	0-255
CH50	Blue LED 7	0-255
CH51	White LED 7	0-255

5. TROUBLE SHOOTING



Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

a. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

b. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

6. FIXTURE CLEANING

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- **Clean with soft cloth using normal glass cleaning fluid.**
- **Always dry the parts carefully.**
- **Clean the external optics at least every 20 days.**
- **Clean the internal optics at least every 30/60 days.**

