

WASH ZOOM 37X15W

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MH000039



User Manual

Please read the instructions carefully before use.

1. Safety Instruction
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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: 550W

Light Sources: High power Osram 4in1 rgbw
15w x 37pcs LEDs

Light source life: 50000 hours

Color Mxing: RGBW color mixing

Zoom angle: 8°-45°linear zoom

Dimming system: 0-100% linear adjustment

Pixel control: 6 groups of LEDs are
individually controlled

Control

DMX Channel: 16/36 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

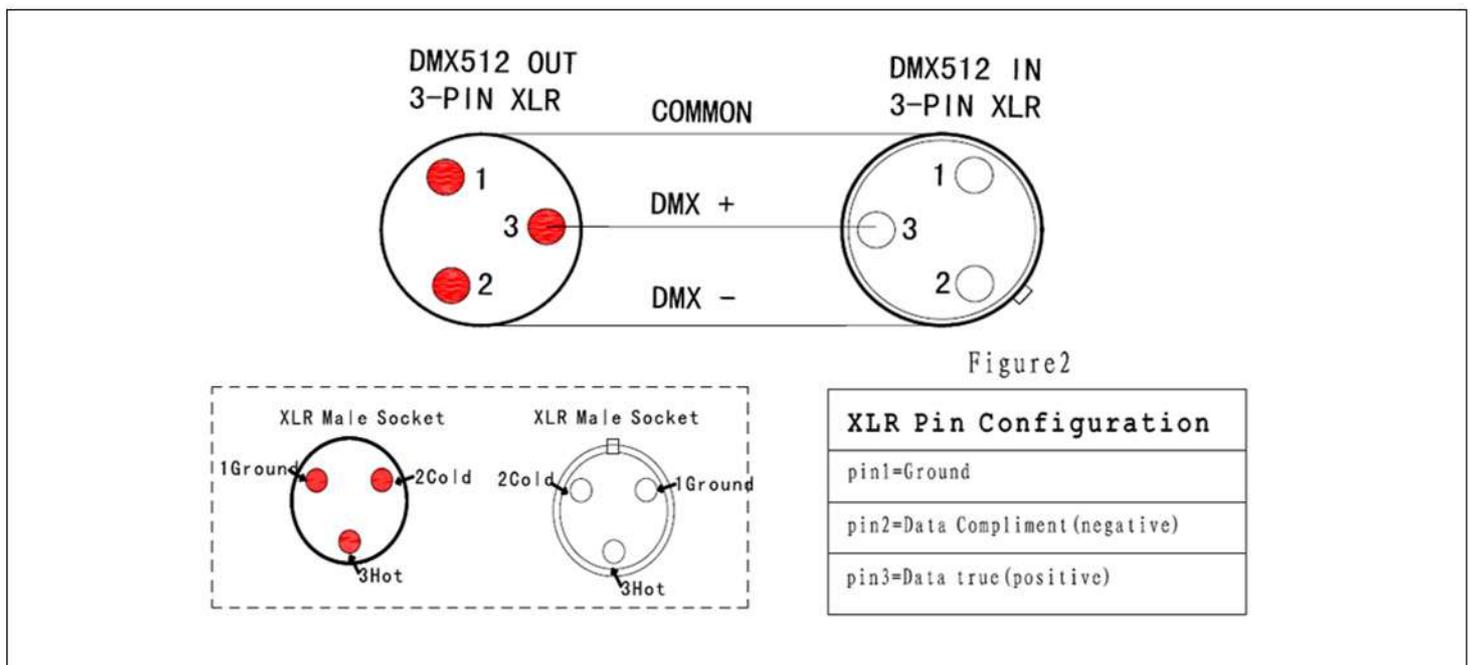
Weight

Net Weight: 13Kgs



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:

No	Display	Function Description
1	System settings	DMA address 001-512 slave state: Receive a DMA signal from the control console or host, press the "OK" button to enter the editing state. At this time, select the hundreds, press the "Up" and "Down" buttons to change the address code. Press the "OK" button again to select the ten digit edit. Press the "OK" button again to select the one digit edit. Press the "OK" button again to exit the editing state
		Turn on the encoder and use the encoder (optocoupler) to determine the out of step and automatically correct the position. Turn off and do not use the encoder (optocoupler) to correct the position
		Reverse X to close. Confirm the modification with the confirmation key, then select Close/Open up and down, confirm again, and return to exit
		Y reversal is closed by confirming the modification with the confirmation key, then selecting close/open up and down, and then confirming to return to exit.
2	Operating mode	The operating mode of the DMXs is confirmed by the confirmation button, and the up and down keys are used to select the operating mode. Then, confirm and return to exit. Channel selection 16CH
3	Display settings	Language selection: Chinese. Confirm the modification with the confirm button, select the language with the up and down buttons, confirm again, and return to exit. Turn off the reverse display setting by confirming the modification with the confirm button, select on with the up and down keys, confirm again, and return to exit.
		Confirm the modification of X calibration 128 through the confirmation key, then select the appropriate channel value up and down, confirm again, and return to exit
		Y calibration 128, confirm the modification with the confirmation key, then select the appropriate channel value up and down, confirm again, and return to exit
		Focus 128, confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
		Red 220: Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
		Green 220: Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit

4	Factory settings (password 138)	Green 220: Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
		Blue 220: Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
		White 220: Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
		LOGO 000 Confirm with the left function key first, then select the appropriate LOGO up and down, confirm again, and return to exit
		Confirm the modification of current 004 through the confirmation key, then select the appropriate channel value up and down, confirm again, and return to exit
		Turn off the fan and confirm the modification with the confirmation button. Then select the appropriate channel value up and down, confirm again, and return to exit
		Turn off the fan and confirm the modification with the confirmation button. Then select the appropriate channel value up and down, confirm again, and return to exit
		Temperature 65. Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
5	Manual Settings	X 000
		Y 000
		XY Speed 000
		Dimmer 000
		Red 000
		Green 000
		Blue 000
		White 000
		Strobe 000
		Zoom 000

4	Factory settings (password 138)	Green 220: Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
		Blue 220: Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
		White 220: Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
		LOGO 000 Confirm with the left function key first, then select the appropriate LOGO up and down, confirm again, and return to exit
		Confirm the modification of current 004 through the confirmation key, then select the appropriate channel value up and down, confirm again, and return to exit
		Turn off the fan and confirm the modification with the confirmation button. Then select the appropriate channel value up and down, confirm again, and return to exit
		Turn off the fan and confirm the modification with the confirmation button. Then select the appropriate channel value up and down, confirm again, and return to exit
		Temperature 65. Confirm the modification with the confirm button, then select the appropriate channel value up and down, confirm again, and return to exit
5	Manual Settings	X 000
		Y 000
		XY Speed 000
		Dimmer 000
		Red 000
		Green 000
		Blue 000
		White 000
		Strobe 000
		Zoom 000

4. DMX CHANNEL TABLE

DMX 512 16 CHs

Channel	Function	Value	Effect
1	Pan	0-255	0-540
2	Tilt	0-255	0-232
3	Pan/Tilt Speed	0-255	Pan/Tilt Speed
4	Dimmer	0-255	100% linear dimmer
5	Red	0-255	From slow to fast
6	Green	0 - 255	0-100%
7	Blue	0 - 255	0-100%
8	White	0 - 255	0-100%
9	Strobe	0-255	From slow to fast
10	Zoom	0-255	Zoom
11	Built-in Effect	0 - 29	None
		30-39	Red
		40-49	Green
		50-59	Blue
		60-69	White
		70-79	Red-Blue
		80-89	Green-Blue
		90-99	RGBW
		100-149	Color gradual change
		150-199	Color pulse change

		150-199	Color pulse change
		200-255	Color jump change
12	Speed	0-255	From fast to slow
13	Pan Fine	0-255	Pan Fine
14	Tilt Fine	0-255	Tilt Fine
15	Reset	0-249	None
		250-255	Reset
16	CTO	250-255	2800-7000k

DMX 512 36CHs

Channel	Function	Value	Effect
1	Pan	0-255	0-540
2	Tilt	0-255	0-232
3	Pan/Tilt Speed	0-255	Pan/Tilt Speed
4	Dimmer	0-255	100% linear dimmer
5	Red 1	0-255	From slow to fast
6	Green 1	0 - 255	0-100%
7	Blue 1	0 - 255	0-100%
8	White 1	0 - 255	0-100%
9	Red 2	0-255	0-100%
10	Green 2	0 - 255	0-100%
11	Blue 2	0 - 255	0-100%
12	White 2	0 - 255	0-100%
13	Red 3	0-255	0-100%

14	Green 3	0 - 255	0-100%
15	Blue 3	0 - 255	0-100%
16	White 3	0 - 255	0-100%
17	Red 4	0-255	0-100%
18	Green 4	0 - 255	0-100%
19	Blue 4	0 - 255	0-100%
20	White 4	0 - 255	0-100%
21	Red 5	0-255	0-100%
22	Green 5	0 - 255	0-100%
23	Blue 5	0 - 255	0-100%
24	White 5	0 - 255	0-100%
25	Red 6	0-255	0-100%
26	Green 6	0 - 255	0-100%
27	Blue 6	0 - 255	0-100%
28	White 6	0 - 255	0-100%
29	Strobe	0-255	From slow to fast
30	Zoom	0-255	Zoom
31	Built-in Effect	0 - 29	None
		30-39	Red
		40-49	Green
		50-59	Blue
		60-69	White
		70-79	Red-Blue
		80-89	Green-Blue
		90-99	RGBW

		100-149	Color gradual change
		150-199	Color pulse change
		200-255	Color jump change
32	Speed	0-255	From fast to slow
33	Pan Fine	0-255	Pan Fine
34	Tilt Fine	0-255	Tilt Fine
35	Reset	0-249	None
		250-255	Reset
36	CTO	250-255	2800-7000k

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.**



