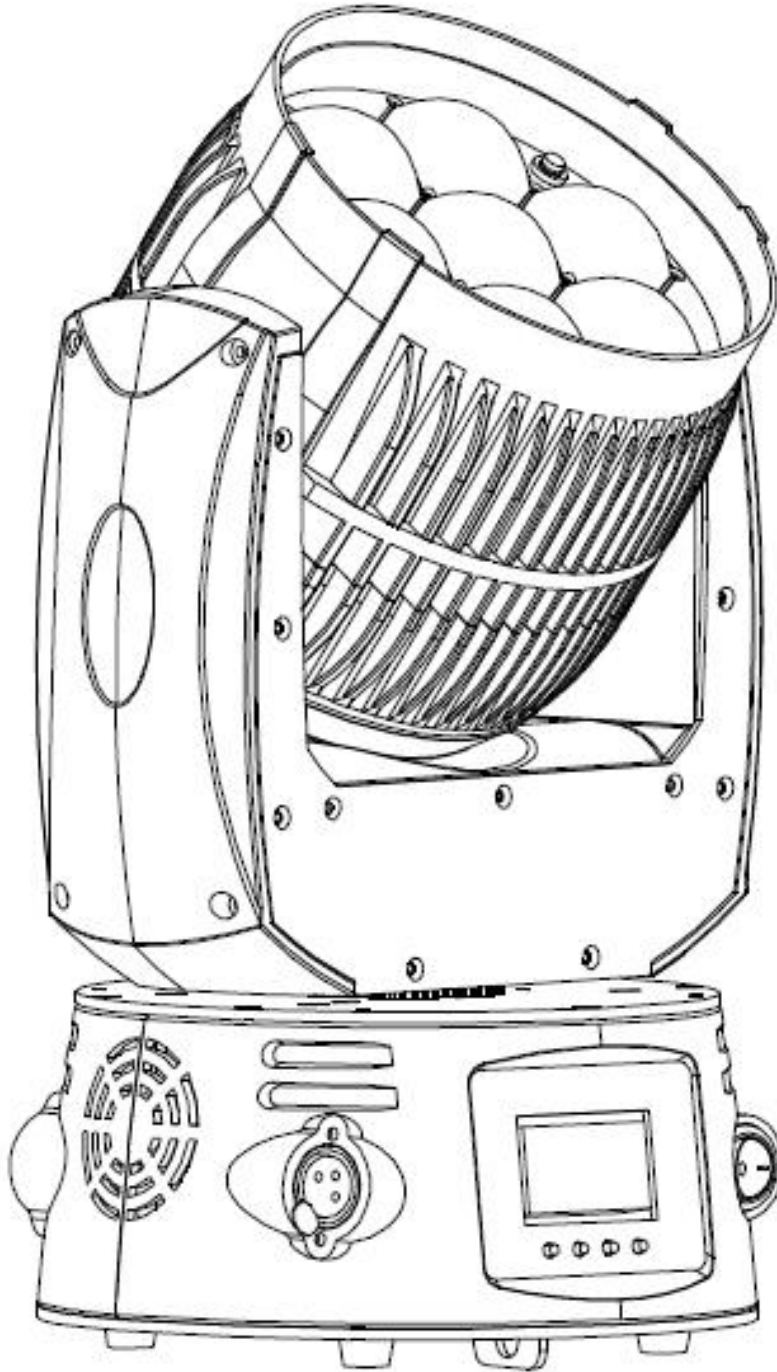

JLLighting - Mini Pixel Wash Manual



User manual

Please read the instructions carefully before use

TABLE OF CONTENTS

1. Safety Instructions.....	2
2. Technical Specifications.....	4
3. How To Control The Unit.....	6
4. Trouble shooting.....	10
5. Fixture Cleaning.....	11

1. Safety Instructions

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.
- ☒ It's important to ground the yellow/green conductor to earth in order

to avoid electric shock.

- ⚠ The unit is for indoor use only. Use only in a dry location.
- ⚠ 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 : 40 °C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85 °C. 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 unit's 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 and has no one pass by or under it.

2. Technical Specifications

Light source:

Lamp: Led 7*4in1 12.8w

Power Consumption: 100W

Average life: over 60,000 hours

Features:

voltage:AC110-260V,50/ 60HZ

Packing size:47*43*35(2pc/ctn), Gw:5kg

Effect:

Pan/Tilt:540/270 ,speed adjustable, 8/16 bit adjustable.

Build in program, fade, smooth linear dimming 0-10%

Electronic strobe with pulse and random effects.

zoom:8-60 degree

Control:

Dmx512/Auto run/Master Slave/Sound activated

Dmx channels:14 chs

LCD DISPLAY

Construction:

Material: The head of light is made by die-casting aluminum

Body color: black

Protection rate: IP20

The lumen details like below:

Lamp Color



Photometric Beam Angle Data

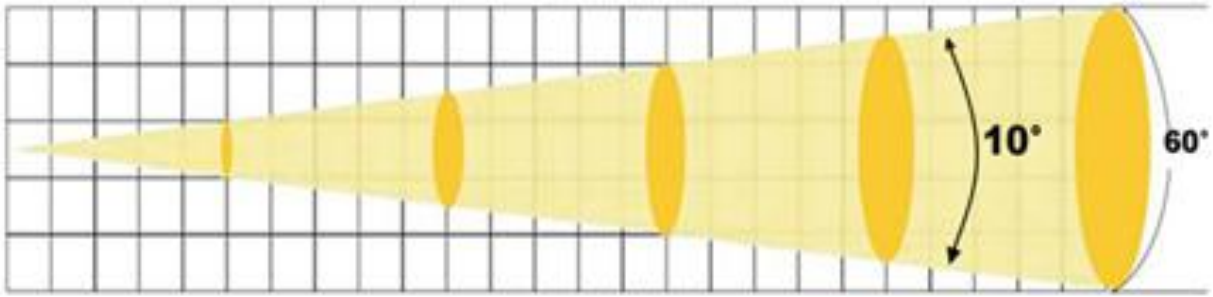
10° beam angle lumen(lux)

R	625	85	40
G	5900	813	310
B	10000	1305	450
W	5900	815	310
RGBW	21000	2800	1045

60° beam angle lumen(lux)

R	78	7	1
G	785	85	35
B	1315	152	57
W	805	95	35

RGBW	2780	325	125
------	------	-----	-----



Distance (m) 1 3 5

3. How To Control The Unit

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 (+)

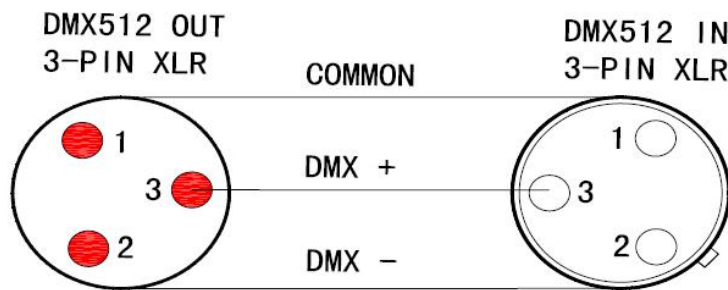
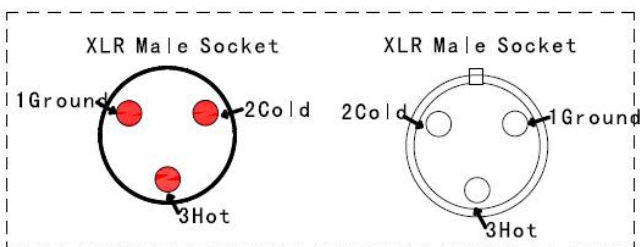


Figure2



XLR Pin Configuration
pin1=Ground
pin2=Data Compliment (negative)
pin3=Data true (positive)

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

Function	Address CH Value Slave Auto Music	Address001~XXX PAN..... Slave Master / Alone Master / Alone		Address CHANGE show each channel Slave receipt position select Run auto-programming Sound-control auto-programming	
	Inform	Temp Inf	Head Tem	XXX°C/°F	the recent temprature
		Soft Inf	V1.0.....		software version
Person	Status	Pan Rev Tilt Rev P-Degree Feedback M Speed Mic Sens	ON/OFF ON/OFF 540/360 ON/OFF Speed 1~ 2 0~99%	Pan reverse Tilt reverse Pan degree select Scan the location plate play a part or not Scanning mode select mic sensitivity	
	Display	Shutoff		show the shut-off delay time	
	Default	ON/OFF		reset the default parameter	
Reset	Reset			all reset	
Adjust	Test CH	PAN TILT ...	PAN=XXX TILT ...	PAN channel data test TILT channel data test ...	

	Stati CH	PAN TILT ...	PAN=XXX TILT ...	Set PAN channel data by hand Set TILT channel data by hand
	CaliT CH	Password PAN TILT	Password= XXX PAN=XXX TILT	the channel adjust code 050 PAN channel adjust TILT channel adjust

DMX channel's functions and values (14 DMX channels):

Channel	Value	Function
1		<u>PAN Movement 8bit :</u>
	0-255	Pan Movement
2		<u>Pan Fine 16bit</u>
	0-255	Fine control of Pan movement
3		<u>TILT Movement 8bit :</u>
	0-255	Tilt Movement
4		<u>Tilt Fine 16bit</u>
	0-255	Fine control of Tilt movement
5		<u>Speed Pan/Tilt movement:</u>
	0-225	max to min speed
	226-255	no function
6		<u>Red LED :</u>
	0-255	Red (0-Black , 255-100% Red)
7		<u>Green LED :</u>
	0-255	Green (0-Black , 255-100% Green)
8		<u>Blue LED :</u>
	0-255	Blue (0-Black , 255-100% Blue)
9		<u>White LED :</u>
	0-255	White (0-Black , 255-100% White)

10	<u>Shutter, strobe:</u>	
	0-31	LED Off
	32-63	LED On
	64-95	Strobe effect slow to fast
	96-127	LED On
	128-159	Pulse Strobe effect slow to fast
	160-191	LED On
	192-223	Random Strobe effect slow to fast
224-255	LED On	
11	<u>Dimmer intensity:</u>	
	0-255	Intensity 0 to 100%
12	<u>Rainbow:</u>	
	0-4	No function
	5-29	R
	30-54	G
	55-79	B
	80-104	W
	105-129	Rainbow colours
	130-154	Rainbow colours
	155-174	Rainbow colours
	175-179	Rainbow colours
	180-184	Rainbow colours
	185-189	Rainbow colours
	190-210	Rainbow colours
211-255	Crossfading colours from slow to fast	
13	<u>ZOOM Movement 8bit :</u>	
	0-255	ZOOM Movement
14	<u>reset, internal programs:</u>	
	0-79	Normal
	80-99	All motor reset
	100-119	Internal program 1 (secne1~8 of EEPROM)

120-139	Internal program 2 (secne9~16 of EEPROM)
140-159	Internal program 3 (secne17~24 of EEPROM)
160-179	Internal program 4 (secne25~32 of EEPROM)
180-199	Internal program 5 (secne33~40 of EEPROM)
200-219	Internal program 6 (secne41~48 of EEPROM)
220-239	Internal program 7 (secne49~56 of EEPROM)
240-255	Music Control (secne of Program 1)

4. 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.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

5. 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.**