

12x40W LED Wash Zoom Moving Light



User Manual

Professional Entertainment Technology

1. Safety Instructions



Please read carefully the instruction, which includes important information about the installation, usage and maintenance.

WARNING

- 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 $T_a: 40^{\circ}\text{C}$. 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.

If using a 230V 50Hz power supply, DO NOT connect in series more than 11 units; use another main supply for the next 11 fixtures.
If using a 120V 60Hz power supply, DO NOT connect in series more than 5 units; use another main supply for the next 5 fixtures.

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.

2. Technical Specifications

Led Source

Light Source: 12x40W 4in1 RGBW Original Orsam LED

Zoom Range : 2.8°- 55 °

Dimming : 0- 100° smooth dimming

CCT : 2500-8000k (adjustable)

Strobe : 0-20Hz

Luminous : 8212lm / 10m 2.8°

Control

DMX Channel : 11CH / 17CH / 18CH / 58CH

Control Mode : DMX512, Master-Slave , Sound Slave

Pan/Tilt

Pan/Tilt:540°/270°

Pan/Tilt Resolution:16bit

Construction

Data In/Out : 3-pin&5-pin XLP

Power in/Out : Power Con in / out

Protection Rating: IP20

POWER

Power Voltage : AC100-240V,50/60Hz

Power Consumption: 600W

Working temperature: -20 ~ 40°

DIMENSIONS AND WEIGHT

Dimensions : 470x400x270 mm

3. MENU

Primary menu	Second-level menu	Three-level menu /Parameter	Parameter
DmxAddr	001 - 512		
Fix Set	Ch Mode	11CH/17CH/18CH/58CH	
	Run Mode	DMX/Host	
	Pan Inv	Close/Open	
	Tilt Inv	Close/Open	
Manual	Pan	0 - 255	
	Pan Fine	0 - 255	
	Tilt	0 - 255	
	Tilt Fine	0 - 255	
	.	0 - 255	
	.	0 - 255	
	.	0 - 255	
Fix Info	TimeInfo	Cur Time	xxxh
		Show Time	xxxh
		PowerCnt	xxx
	SenSor	Pan	OK/NG
		Tilt	OK/NG
		Zoom	OK/NG
		Temp	OK/NG
		Fan	OK/NG
	TempInfo	Temprat	xxx C
		FanSpeed	xxxx RPM
	Soft Ver	Panel	Vx.xxx
		Motor	Vx.xxx
		Dimmer	Vx.xxx
Home Set	Password	0 - 255	
	Pan	0 - 255	
	Tilt	0 - 255	
	Zoom	0 - 255	
	Red	0 - 255	
	Green	0 - 255	
	Blue	0 - 255	
	White	0 - 255	

FixReset	Reset	Cance/Run	
	Factory	Cance/Run	
Display	Language	EN/CH	
	DispFlip	Open/Close	
	DispMode	Show/60s	

4.

channel thoroughfare passage

Standard	Extended	Graphic	HSImodel	Channelname	Channel value	Channel content
1	1	1	1	Pan	0 - 255	Horizontal rotation
2	2	2	2	PanFine	0 - 255	Horizontal fine-tuning
3	3	3	3	Tilt	0 - 255	Vertical rotation
4	4	4	4	TiltFine	0 - 255	Vertical fine-tuning
5	5	5	5	PTSpeed	0 - 255	Motor speed
6	6	6	/	Dim	0 - 255	Dimming
7	7	/	/	DimFine	0 - 255	Dimming fine
8	8	7	6	Strobe	0 - 3	Close
					4 - 103	Regular strobe, speed from slow to fast
					104 - 107	Open
					108 - 207	Pulse strobe, the speed changes from slow to fast
					208 - 212	Open
					213 - 225	Random slow strobe
					226 - 238	Randon medium-speedstrobe
					239 - 251	Random fast strobe
252 - 255	Open					
9	/	8	/	Red	0 - 255	Red
10	/	9	/	Green	0 - 255	Green
11	/	10	/	Blue	0 - 255	Blue
12	/	11	/	White	0 - 255	White
/	/	/	7	Hue	0 - 255	Chromaticity
/	/	/	8	Saturation	0 - 255	Saturation
/	/	/	9	Intensiyt	0 - 255	Brightness
/	9	/	/	R1	0 - 255	Red lamp beads1
/	10	/	/	G1	0 - 255	Green lamp beads1
/	11	/	/	B1	0 - 255	Blue lamp beads1
/	12	/	/	W1	0 - 255	White lamp beads1
/	13	/	/	R2	0 - 255	Red lamp beads2
/	14	/	/	G2	0 - 255	Green lamp beads2
/	15	/	/	B2	0 - 255	Blue lamp beads2
/	16	/	/	W2	0 - 255	White lamp beads2
/	17	/	/	R3	0 - 255	Red lamp beads3
/	18	/	/	G3	0 - 255	Green lamp beads3
/	19	/	/	B3	0 - 255	Blue lamp beads3
/	20	/	/	W3	0 - 255	White lamp beads3

/	21	/	/	R4	0 - 255	Red lamp beads4
/	22	/	/	G4	0 - 255	Green lamp beads4
/	23	/	/	B4	0 - 255	Blue lamp beads4
/	24	/	/	W4	0 - 255	White lamp beads4
/	25	/	/	R5	0 - 255	Red lamp beads5
/	26	/	/	G5	0 - 255	Green lamp beads5
/	27	/	/	B5	0 - 255	Blue lamp beads5
/	28	/	/	W5	0 - 255	White lamp beads5
/	29	/	/	R6	0 - 255	Red lamp beads6
/	30	/	/	G6	0 - 255	Green lamp beads6
/	31	/	/	B6	0 - 255	Blue lamp beads6
/	32	/	/	W6	0 - 255	White lamp beads6
/	33	/	/	R7	0 - 255	Red lamp beads7
/	34	/	/	G7	0 - 255	Green lamp beads7
/	35	/	/	B7	0 - 255	Blue lamp beads7
/	36	/	/	W7	0 - 255	White lamp beads7
/	37	/	/	R8	0 - 255	Red lamp beads8
/	38	/	/	G8	0 - 255	Green lamp beads8
/	39	/	/	B8	0 - 255	Blue lamp beads8
/	40	/	/	W8	0 - 255	White lamp beads8
/	41	/	/	R9	0 - 255	Red lamp beads9
/	42	/	/	G9	0 - 255	Green lamp beads9
/	43	/	/	B9	0 - 255	Blue lamp beads9
/	44	/	/	W9	0 - 255	White lamp beads9
/	45	/	/	R10	0 - 255	Red lamp beads10
/	46	/	/	G10	0 - 255	Green lamp beads10
/	47	/	/	B10	0 - 255	Blue lamp beads10
/	48	/	/	W10	0 - 255	White lamp beads10
/	49	/	/	R11	0 - 255	Red lamp beads11
/	50	/	/	G11	0 - 255	Green lamp beads11
/	51	/	/	B11	0 - 255	Blue lamp beads11
/	52	/	/	W11	0 - 255	White lamp beads11
/	53	/	/	R12	0 - 255	Red lamp beads12
/	54	/	/	G12	0 - 255	Green lamp beads12
/	55	/	/	B12	0 - 255	Blue lamp beads12
/	56	/	/	W12	0 - 255	White lamp beads12
13	/	/	/	CCT	0 - 255	Color temperature adjustment
14	/	12	/	Macro	0 - 255	Color macro
/	/	13	/	Shape	0	Close
/	/	13	/	Shape	1 - 6	The lamp bead 1 is on
/	/	13	/	Shape	7 -- 13	Lamp beads 2 are on
/	/	13	/	Shape	14 - 20	The lamp beads are 3 on
/	/	13	/	Shape	21 -27	The lamp beads are on 4
/	/	13	/	Shape	28 - 34	The lamp beads are 5 bright.
/	/	13	/	Shape	35 - 41	The lamp beads are 6 on
/	/	13	/	Shape	42 - 48	The lamp beads are 7 on
/	/	13	/	Shape	49 - 55	The lamp beads are 8 on
/	/	13	/	Shape	56 -62	The lamp beads are 9 on
/	/	13	/	Shape	63 - 69	The lamp beads are 10 on
/	/	13	/	Shape	70 - 76	The lamp beads are 11 on

					77 - 83	The lamp beads are 12 on
					84 - 90	3 pendulum static shapes1
					91 - 97	3 pendulum static shapes2
					98 - 104	3 pendulum static shapes3
					105 - 111	4 pendulum static shapes1
					112 - 118	4 pendulum static shapes2
					119 - 125	4 pendulum static shapes3
					126 - 132	3 inverted pendulum static shapes 1
					133 - 139	3 inverted pendulum static shapes 2
					140- 146	3 inverted pendulum static shapes 3
					147 -153	3 static patterns in the middle
					154 -160	9 static patterns in the outer ring
					161 - 167	Static pattern of windmill
					168 -174	Single flowing water dynamic effect
					175 - 181	2 flowing water dynamic effects
					182- 188	3 flowing water dynamic effects
					189 - 195	3 inverted pendulum flowing water dynamic effect
					196 -202	Dynamic effect of 4 pendulum flowing water
					203 - 209	Dynamic effect of 3 pendulum flowing water
					210 - 216	Wavy dynamic running water effect
					217 -223	Windmill rotation effect
					224 - 230	Dynamic effect of petals blooming
					231 - 237	Colorful petal blooming effect
					238 - 244	Colorful petal wave effect
					245 - 251	Colored petal rotation effect
					252 - 255	Colorful rotation effect
/	/	14	/	Speed	0 - 255	Graphic effect speed selection
15	/	/	/	Effect	0	Close
					1 - 100	Dreamy effect
					101 - 200	Wave effect
					201 - 255	No effect
/	/	15	/	ShapeBack	0 - 255	Graphic background color selection

/	/	16	/	BackDim	0 - 255	The brightness of the background color is from light to dark
16	57	17	10	Zoom	0 - 255	Focusing
17	58	18	11	Reset/Prog	0 - 59	No effect
					60 - 99	All motor resets
					100 - 255	No effect

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.

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.

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.