

37*15W ZOOM wash moving head light



User manual

Please read the instructions carefully before use

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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 & problem owing to ignore the manual.

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 Sources: 37*15W Osram RGBW LED

Consumption:550 W

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

Packing Dimension: 46*36*49cm

Gross Weight: 18Kgs

Control

DMX Channel: 12/20/32CH

Control Modes: DMX

Pan/Tilt

Pan/Tilt: 540°/ 270°

Pan/Tilt Resolution: 8bit

Construction

Display: LED Display

Data In/Out socket: 3-pin XLR sockets

Protection Rating: IP20

Dimming mode:

Standard, Stage, TV, Architectural, Theatricalb

3. How To Control The Unit

1. Detailed function:

	Menu	1. XY Reverse	Pan	YES--NO
			Tilt	YES--NO
		2. Mic Sense	0--100	
		3. NO Signal Mode	DMX512	
			Auto 1	
			Auto2	
		4. Reset	YES--NO	
		5. Default	YES--NO	
		6. Factory Set		
	Addr	d001-d512		
	Disp	disp - dsip		
	En/CH	English/chinese		
	Mode	DMX512		
		Auto 1		
		Auto 2		
	12CH/20CH/32CH	12 Channels		
		20 Channels		
		32 Channels		

32 Channels mode :

CH1:	Level adjustment	Level adjustment	0----255
CH2:	Horizontal fine-tuning	Horizontal fine-tuning	0----255
CH3:	vertical adjustment	vertical adjustment	0----255
CH4:	Vertical fine-tuning	Vertical fine-tuning	0----255
CH5:	horizontal/vertical speed	from fast to slow	0----255
CH6:	Zoom	From near to far	0----255
CH7:	Total dimmer	From dark to bright	0----255
CH8:	Strobe	No effect	0----15
		Normal strobe (from slow to fast)	16----215
		Random flash	216----255
CH9:	Dimmer	Mode 1	0----49
		mode2	50----99
		mode3	100----149
		mode4	150----199
		Mode5	200----255
CH10:	R1	From dark to bright	0----255
CH11:	G1	From dark to bright	0----255
CH12:	B1	From dark to bright	0----255
CH13:	W1	From dark to bright	0----255
CH14:	R2	From dark to bright	0----255
CH15:	G2	From dark to bright	0----255
CH16:	B2	From dark to bright	0----255
CH17:	W2	From dark to bright	0----255
CH18:	R3	From dark to bright	0----255

CH19:	G3	From dark to bright	0----255
CH20:	B3	From dark to bright	0----255
CH21:	W3	From dark to bright	0----255
CH22:	R4	From dark to bright	0----255
CH23:	G4	From dark to bright	0----255
CH24:	B4	From dark to bright	0----255
CH25:	W4	From dark to bright	0----255
CH26:	Macro color	NO effect	0----9
		R100%, G UP, B0%	10----39
		R DOWM, G100%, B0%	40----69
		R0%, G100%, B UP	70----99
		R0%, G DOWM, B100%	100----129
		R UP, G0%, B100%	130----159
		R100%, G0%, B DOWM	160----189
		R100%, G UP, B UP	190----219
		R DOWM, G DOWM, B100%	220----249
		R 100%, G 100%, B100%, W100%	250----255
CH27:	Light bead effect	No effect	0----9
		Static effect (10 number)	10----169
		Dynamic effect (9 number and one type)	170----149
CH28:	Light bead effect speed	From fast to slow	0----255
CH29:	Graphics effect	Static graphics1	0----9
		Static graphics2	10----19
		Static graphics3	20----29
		7 Static graphics4	30----39
		Static graphics5	40----49

		Static graphics6	50----59
		Static graphics7	60----69
		Dynamic graphics1	70----79
		Dynamic graphics2	80----89
		Dynamic graphics3	90----99
		Dynamic graphics4	100----109
		Dynamic graphics5	110----119
		Dynamic graphics6	120----255
CH30:	Graphics transformation speed		0----255
CH31:	CTO	10000K-2500K	0---255
CH32:	Reset	No effect	0----49
		auto1	50----99
		Auto 2	100----149
		Reset	201----255

20 channels mode :

Ch 1:	Level adjustment	Level adjustment	0----255
Ch 2:	Horizontal fine-tuning	Horizontal fine-tuning	0----255
Ch 3:	Vertical adjustment	Vertical adjustment	0----255
Ch 4:	Vertical fine-tuning	Vertical fine-tuning	0----255
Ch 5:	Horizontal / vertical speed	From fast to slow	0----255
Ch 6:	Zoom	From near to far	0----255
Ch 7:	Total dimming	⁸ From dark to bright	0----255
Ch 8:	Strobe	No effect	0----15

		Normal strobe (from slow to fast)	16----215
		Random flash	216----255
Ch 9:	Dimmer mode	Mode 1	0----49
		Mode 2	50----99
		Mode 3	100----149
		Mode 4	150----199
		Mode 5	200----255
Ch 10:	R	From dark to bright	0----255
Ch 11:	G	From dark to bright	0----255
Ch 12:	B	From dark to bright	0----255
Ch 13:	W	From dark to bright	0----255
Ch 14:	Macro color	No effect	0----15
		R100%, G UP, B0%	16----35
		R DOWM, G100%, B0%	36----55
		R0%, G100%, B UP	56----75
		R0%, G DOWM, B100%	76----95
		R UP, G0%, B100%	96----115
		R100%, G0%, B DOWM	116----135
		R100%, G UP, B UP	136----155
		R DOWM, G DOWM, B100%	156----175
		R 100%, G 100%, B100%, W100%	176----195
Ch 15:	Lamps effect	No effect	0----9
		Static effect (10 number)	10----169
		Dynamic effect (9 number and one type)	170----149
Ch 16:	Lamp effet speed	From fast to slow	0----255

Ch 17:	Graphics effect	Static graphics 1	0----9
		Static graphics 2	10----19
		Static graphics 3	20----29
		Static graphics 4	30----39
		Static graphics 5	40----49
		Static graphics 6	50----59
		Static graphics 7	60----69
		Dynamic Graphics 1	70----79
		Dynamic Graphics 2	80----89
		Dynamic Graphics 3	90----99
		Dynamic Graphics 4	100----109
		Dynamic Graphics 5	110----119
		Dynamic Graphics 6	120----255
Ch 18:	Graphics transformation speed		0----255
CH19:	CTO	10000K-2500K	0---255
Ch 20:	Reset	No effect	0----49
		Auto 1	50----99
		Auto 2	100----149
		Reset	201----255

12channels mode :

Ch 1:	Level adjustment	Level adjustment	0----255
Ch 2:	Vertical adjustment	Vertical adjustment	0----255
Ch 3:	Horizontal / vertical speed	From fast to slow	0----255

Ch 4:	Zoom	From near to far	0----255
Ch 5:	Total dimmer	From dark to bright	0----255
Ch 6:	Strobe	No effect	0----15
		Normal strobe (from slow to fast)	16----215
		Random flash	216----255
Ch 7:	Lamps effect	No effect	0----9
		Static effect (10 number)	10----99
		Dynamic effect 1	100----149
		Dynamic effect 2	150----255
Ch 8:	Lamp effect speed	From fast to slow	0----255
Ch 9:	Graphics effect	Static graphics 1	0----9
		Static graphics 2	10----19
		Static graphics 3	20----29
		Static graphics 4	30----39
		Static graphics 5	40----49
		Static graphics 6	50----59
		Static graphics 7	60----69
		Dynamic Graphics 1	70----79
		Dynamic Graphics 2	80----89
		Dynamic Graphics 3	90----99
		Dynamic Graphics 4	100----109
		Dynamic Graphics 5	110----119
		Dynamic Graphics 6	120----255
Ch 10:	Graphics transformation speed		0----255
CH11:	CTO	10000K-2500K	0---255

Ch 12:	Reset	No effect	0----49
		Auto 1	50----99
		Auto 2	100----149
		Reset	201----255

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 well¹²

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.**