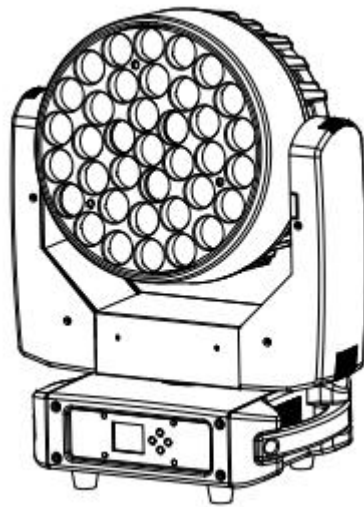


# LED Moving Head 37\*15W ZOOM WASH



## USER MANUAL



KEEP THIS MANUAL FOR FUTURE NEEDS

Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



rain and moisture!

**CAUTION!** Keep this device away from



Unplug mains lead before opening the housing.

**CAUTION!**

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow carefully the instructions of this manual

## **1. INTRODUCTION**

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

1. One XLR power cable
2. One user manual
3. One pcs omega

Please check carefully that there is no damage caused by transportation. Should there be any, please consult your dealer and don't install this device.

## **2 Mounting and installation**

**2.1 Cautions:** for added protection mount the fixtures in areas outside walking paths ,seating areas,or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface ,make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment ,such as an appropriate safety cable.

Never stand directly below the device when mounting ,removing ,or servicing the fixture, from a ceiling,or set on a flat level surface (see illustration below).Be sure this fixture is kept at least 0.5m (1.5ft) away from any flammable (decoration etc.)

Always use and install the supplied safety cable as a safe cable as safety measure to prevent accidental damage and /or injury in the event the clamp fails.

### **2.2 Mounting points:**

Overhead mounting requires extensive experience , including others calculating working load limits, a fine knowledge of the installation

material being used ,and periodic safety inspection of all installation material and the fixture. If you lack these qualifications ,

Do not attempt the installation yourself ,improper installation can result in bodily injury.

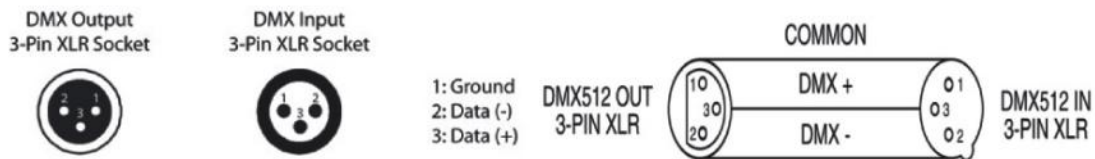
Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

### **2.3 Clamp mounting :**

The LED moving head provides a unique mounting bracket assembly that integrates the bottom of the base, the included 'omega bracket' and the safety cable rigging point in one unit (see the illustration below).When mounting this fixture to truss be sure to sere to secure an rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the 'omega bracket'.As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly.

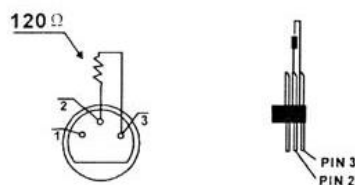
### **2.4 DMX-512 control connection**

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.



## 2.4 DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



## 3 TECHNICAL PARAMETERS

### POWER SUPPLIE

Input power: AC100-240V 50/60 Hz

Power consumption :500 W

LED:37 PCS 15W high power RGBW LED

DMX channel: 24CH ,48CH

Movement: Pan/Tilt: X axis 540degree, Y axis 190degree

Control mode:DMX512/Master-Slave/Auto run

Strobe macro control available

Zoom angle:3-50 degree

Display:LCD display

IP level :IP20

WEIGHT&SIZE

N.W:12.7KG

G.W:15KG

Packing size: 56\*49\*44cm

#### 4 :MENU FUNCTION

<b>DMX Setting</b>	<b>DMX Address</b>	001
		512
	<b>Channel Mode</b>	24CH
		48CH
<b>Run Mode</b>	<b>DMX 512</b>	YES/NO
	<b>Slow Auto</b>	YES/NO
	<b>Fast Auto</b>	YES/NO
	<b>Sound</b>	YES/NO
	Manual	YES/NO
<b>Positive and negative setting</b>	<b>Pan Inverse</b>	YES/NO
	<b>Tilt Inverse</b>	YES/NO
<b>Display Setting</b>	<b>Display Inverse</b>	YES/NO
	<b>Language</b>	CH./EN.
	<b>Backlight</b>	on/off
<b>Manual Mode</b>	<b>Pan</b>	0-255
	<b>Pan Fine</b>	0-255
	<b>Tilt</b>	0-255
	<b>Tilt Fine</b>	0-255
	<b>Zoom</b>	0-255
	<b>Dimmer</b>	0-255

	<b>Strobe</b>	0-255	
	<b>R</b>	0-255	
	<b>G</b>	0-255	
	<b>B</b>	0-255	
	<b>W</b>	0-255	
<b>Sound Sense</b>	<b>Sound Sense</b>	0-100	
<b>System setting</b>	<b>system information</b>	temperature	
		Version number	
		Pan reset	Nor
			ERR
		Tilt reset	Nor
			ERR
	<b>Factory Defaults</b>	YES/NO	
	<b>advanced setting (Down Down Up Up)</b>	<b>Pan Offset</b>	-127
			127
		<b>Tilt Offset</b>	-127
			127
		<b>Zoom Offset</b>	-127
			127
		<b>R</b>	0-255
<b>G</b>		0-255	
<b>B</b>	0-255		
<b>W</b>	0-255		
<b>System Reset</b>	Yes/No		

## 5: DMX CHANNELS

24	48	Name	value	Function
1	1	X	0-255	Pan movement by 540°
2	2	X fine	0-255	Fine Pan
3	3	Y	0-255	Tilt movement by 270°
4	4	Y fine	0-255	Fine Tilt
5	5	XY speed	0-255	Speed from max. to min. (vector mode)
6	6	Zoom	0-255	Zoom from max. to min. beam angle
7	7	dimmer	0-255	0~100%dimmer
8	8	shutter	0-9	Shutter closed
			10-154	Synchronous strobe from slow to fast (1HZ~25HZ)
			155-204	Random strobe
			205-255	Thunder strobe
9	9	R1	0-255	R1

10	10	G1	0-255	G1
11	11	B1	0-255	B1
12	12	W1	0-255	W1
	13	R2	0-255	R2
	14	G2	0-255	G2
	15	B2	0-255	B2
	16	W2	0-255	W2
	●	●	●	●
	●	●	●	●
	●	●	●	●
	29	R6	0-255	R6
	30	G6	0-255	G6
	31	B6	0-255	B6
	32	W6	0-255	W6
	33	R7	0-255	R7
	34	G7	0-255	G7
	35	B7	0-255	B7
	36	W7	0-255	W7
13	37	CTO	0-9	N/A
			10-255	10000K-2500K
14	38	Colour Macro	0-9	N/A
			10-19	Colour Macro 1
			20-29	Colour Macro 2
			30-39	Colour Macro 3
			40-49	Colour Macro 4
			50-59	Colour Macro 5
			60-69	Colour Macro 6
			70-79	Colour Macro 7
			80-89	Colour Macro 8
			90-99	Colour Macro 9
			100-109	Colour Macro 10
			110-119	Colour Macro 11
			120-129	Colour Macro 12
			130-139	Colour Macro 13
			140-149	Colour Macro 14
			150-159	Colour Macro 15
			160-169	Colour Macro 16
			170-179	Colour Macro 17
			180-189	Colour Macro 18
			190-199	Colour Macro 19
200-209	Colour Macro 20			
210-224	Color jump			
225-239	Color pulse			



			240-255	Color gradient
15	39	Static pattern effect	0-9	N/A
			10-19	Static pattern effect 1
			20-29	Static pattern effect 2
			30-39	Static pattern effect 3
			40-49	Static pattern effect 4
			50-59	Static pattern effect 5
			60-69	Static pattern effect 6
			70-79	Static pattern effect 7
			80-89	Static pattern effect 8
			90-99	Static pattern effect 9
			100-109	Static pattern effect 10
			110-119	Static pattern effect 11
			120-129	Static pattern effect 12
			130-139	Static pattern effect 13
			140-149	Static pattern effect 14
			150-159	Static pattern effect 15
			160-169	Static pattern effect 16
			170-179	Static pattern effect 17
			180-189	Static pattern effect 18
			190-199	Static pattern effect 19
200-209	Static pattern effect 20			
210-255	Static pattern effect			
16	40	Dynamic effect	0-9	N/A
			10-255	12 values, one effect, 20 effects
17	41	Background light R	0-255	Control (39,40) channel backlight
18	42	Background light G	0-255	Control (39,40) channel backlight
19	43	Background light B	0-255	Control (39,40) channel backlight
20	44	Background light W	0-255	Control (39,40) channel backlight
21	45	Effect direction adjustment	0-127	Positive direction of dynamic pattern
			128-255	Reverse direction of dynamic pattern
22	46	Lighting effect speed	0-255	effect from fast to slow
23	47	Macro	0-9	N/A
			10-99	Auto 1
			100-199	Auto 2
			200-255	Sound
24	48	Reset	0-239	N/A
			240-250	reset (3 seconds)
			251-255	N/A