

# **19\*15W LED ZOOM Moving Head**



## **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.



from rain and moisture!

**CAUTION!** Keep this device away



**CAUTION!**

Unplug mains lead before opening the housing.

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 where 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:**

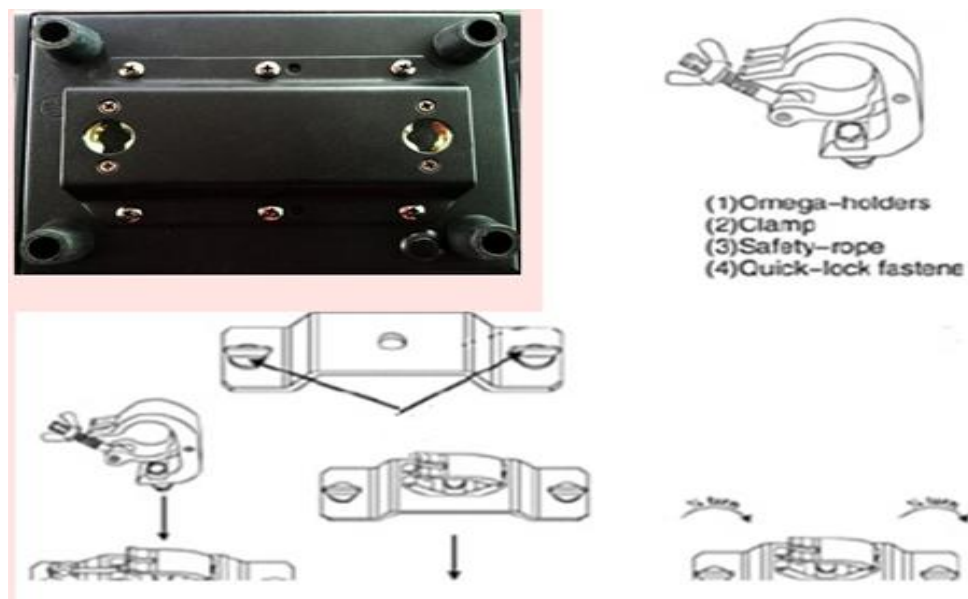
Overhead mounting requires extensive experience , including among others calculating working load limits, a fine knowledge of the installation material being used ,and periodic safety inspection of all

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 appropriately  
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.



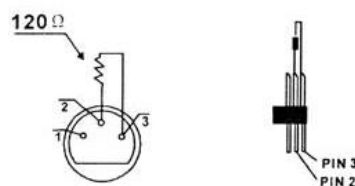
## 2.4 DMX-512 control connection

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 :260W

LED:19\*12W RGBW LED

DMX channel:20/36 channels

Control mode:DMX512/Master-Slave/Auto run

Display:LCD display

#### WEIGHT&SIZE

N.W: 8KG

G.W: 9KG

Packing size: 44\*39\*31cm

### 4 :MENU FUNCTION

menu (Color Display 2.4'TFT )			
DMX Address	001~512		
Run Mode	DMX 20 Ch		
	DMX 36 Ch		
	Auto	Perform Mode 1	
		Perform Mode 2	
		Perform Mode 3	
		Perform Mode 4	
		Perform Mode 5	
		Perform Mode 6	
		Perform Mode 7	
		Perform Mode 8	
	Sound		
Test Mode	PAN		
	TILT		
	Focus		

	Red1		
	Green1		
	Blue1		
	White1		
	Red2		
	Green2		
	Blue2		
	White2		
	Red3		
	Green3		
	Blue3		
	White3		
<b>Language</b>	Chinese		
	English		
<b>Set up</b>	Pan Reverse		
	Tilt Reverse		
	Fade Delay		
	Signal Link		
	Code Wheel		
	Temp Switch Set		
	Temperature Set		
	Sound Sensitive	= 000	
	Screen Saver		
	Display Reverse		
	Factory Reset		
	Reset Motor		
	Home Position	Password	Code =018
		PAN	PAN =000
		TILT	TILT =000
		Red	
		Green	
		Blue	
		White	
		Focus	
<b>Sys Info</b>	on Time		
	Total Time		

	Firmware Version		
	Running Mode		
	Address		
	Temperature		

## **5:Function Mode**

### **5.1 DMX address setting**

With this function, you can adjust the desired DMX-address via the Control Board.

Select via the encoder.

Press the encoder, adjust the DMX address by turning the encoder.

Press the encoder to confirm.

Press the Mode/Esc-button in order return to the main menu.

Set DMX address

Display the DMX 512 value of each channel

With this function you can display the DMX 512 value of each channel.

The display automatically

shows the channel with a value changing.

### **5.2 Run Mode**

The LED moving head have 20CH and 36CH, can receive the

International DMX signal.

In the **【Run】** mode, you can chose **【Master】** mode [ Sound Control ]

[Master Auto Run ] [Master Sound Control ] and **【Slave】** mode.

### **5.3 Language Setting**



With this function, you can choose the Language between English and Chinese.

## **5.4 Advanced Set up**

### **Pan Reverse**

With this function you can reverse the Pan-movement.

### **Tilt Reverse**

With this function you can reverse the Tilt 1-movement.

### **Display Reverse**

With this function you can reverse the Tilt 2-movement.

### **Reset**

With this function, you can reset the device via the Control Board. You can select the different reset function by turning the encoder.

### **Factory Reset**

With this function, you can select restore factory set for ON or OFF, the default is OFF.

## **5.5 System State**

With this function, you can know the On Time ,Accumulative Time, Current Run Mode ,Temperature and Software Version.

## **5.6 Manual Control**

With this function ,you can adjust the pan and tilt and the move speed, also adjust the dimmer ,strobe and color.

## 6: DMX CHANNELS

### 6.1 20 channel definition table

20 channel definition table(LED Moving Head Beam)		
Channel	DMX Value	Function
1	000-255	Pan
2	000-255	Pan Fine
3	000-255	Tilt
4	000-255	Tilt Fine
5	000-255	Move Speed
6	000-255	Focus
7	000-255	Dimmer(0-100%)
8	000-009	Shutter closed
	010-250	Strobe effect slow to fast
	251-255	Shutter open
9	000-255	Red1
10	000-255	Green1
11	000-255	Blue1
12	000-255	White1
13	000-255	Red2
14	000-255	Green2
15	000-255	Blue2
16	000-255	White2
17	000-255	Red3
18	000-255	Green3
19	000-255	Blue3
20	000-255	White3

### 6.2 36 channel definition table

36 channel definition table(LED Moving Head Beam)		
Channel	DMX Value	Function
1	000-255	Pan
2	000-255	Pan Fine
3	000-255	Tilt
4	000-255	Tilt Fine
5	000-255	Move Speed
6	000-255	Focus

7	000-255	Focus Fine
8	000-255	Dimmer(0-100%)
9	000-009	Shutter closed
	010-250	Strobe effect slow to fast
	251-255	Shutter open
10	000-255	Red1
11	000-255	Red1Fine
12	000-255	Green1
13	000-255	Green1Fine
14	000-255	Blue1
15	000-255	Blue1Fine
16	000-255	White1
17	000-255	White1Fine
18	000-255	Red2
19	000-255	Red2Fine
20	000-255	Green2
21	000-255	Green2Fine
22	000-255	Blue2
23	000-255	Blue2Fine
24	000-255	White2
25	000-255	White2Fine
26	000-255	Red3
27	000-255	Red3Fine
28	000-255	Green3
29	000-255	Green3Fine
30	000-255	Blue3
31	000-255	Blue3Fine
32	000-255	White3
33	000-255	White3Fine
34	000-255	3200K-10000K
35	000-255	empty
36	200-209	reset(10s)