

6x40W LED BEAM ZOOM WASH

Professional Stage Lighting Manufacturer



User Manual

Version:1.0



Operational Manual

Thank you for purchasing this product. To take full advantage of all possibilities and for your own safety, please read this operating instructions very carefully before you start using this unit.

BEFORE USE

- Before you start using this unit, please check if there is no transportation damage. Should there be any, do not use the device and consult your dealer first.
- This device has left our factory in absolutely perfect condition and well packed. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.
- The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.
- Please consider that damages caused by manual modifications to the device are not subject to warranty.

SAFETY INSTRUCTIONS

DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT!

Caution: To reduce the risk of electric shock, do not remove the top cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



Risk of electric shot!



Keep this device away from rain and moisture!



Read the manual



Unplug the mains power before remove the housing



Indoor use ONLY

Caution: Do not stare at operating lamp. May be harmful to the eye.

- To protect the environment, please try to recycle the packing material as much as possible.
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- This unit is for indoor use only.
- Don't place metal objects or spill liquid inside the unit. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- Locate the fixture in a well ventilated spot, away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- Don't cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum safe ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Allow the device about 10 minutes to cool down before servicing.
- The electrical installation should be carried out by qualified person only, according to the regulations for electric and mechanical safety in your country.
- Check that the available voltage is not higher than the one stated in the unit.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged. It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Never let the power-cord come into contact with other cables!
- Don't connect the unit to any dimer pack.

- In order to prevent electric shock, do not open the cover. There are no user serviceable parts inside.
- The housing and lenses must be replaced if they are visibly damaged.
- Never repair a fuse or bypass the fuse holder. Always replace a damaged fuse with a fuse of the same type and electrical specifications!
- Due to safety reasons, it is prohibited to make unauthorized modifications to the unit.

Important: Never look directly into the light source! Don't use the effect in the presence of persons suffering from epilepsy.

Mounting and Installation

Important: Fixtures must be installed by a Qualified electrician in accordance with all national and local electrical and construction codes and regulations.

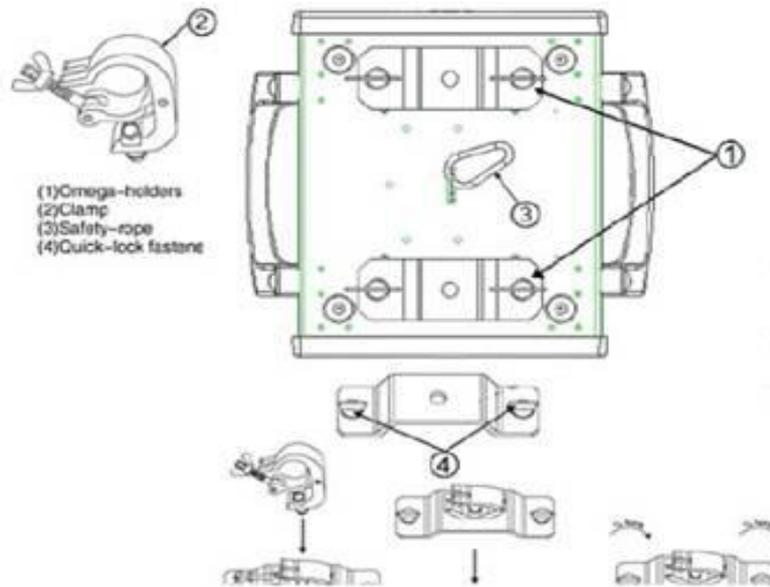
Overhead Rigging

- For overhead installation, the fixture must be always secured with a safety wire that can bear at least 10 times the weight of the fixture.
- Make sure the area below the installation is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- The device must be installed out of reach of people in outside areas where persons may walk by or be seated.
- Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.
- Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.
- The fixture should be well fixed, a free-swinging mounting is dangerous and may not be considered!

Clamp Mounting :

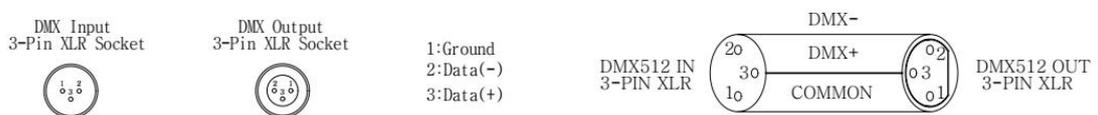
The LED moving head provides a unique mounting bracket assembly that integrates the bottom of the base, the included 'omega bracket' (see the following pic) and the safety cable rigging point in one unit. When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included 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.



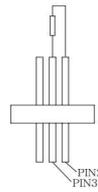
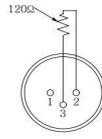
DMX-512 Control Connection

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.



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.



How to Set up this Unit

1. **[MIC]:** micro phone for sound mode
2. **[MENU]:** press this button to go back to the main menu or to leave submenus
3. **[▼]:**press this button to go down in the menu
4. **[▲]:**press this button to go up in the menu
5. **[Enter]:**press this button to confirm the selected function in the menu
6. **[Display]:**shows the information on the different modes and functions
7. **[SOUND SENSITIVITY CONTROL]:**To adjust the sensitivity of the sound mode
8. **[NETWORK INTERFACE]:** DMX512 network interface(Optional)
9. **[DMX IN]:**3p XLR Male connector to receive DMX data from a console or use in Master/slave modes
10. **[DMX OUT]:**3 pin XLR Female connector to connect other projectors or use in Master/slave modes
11. **[POWER IN]:**with IEC socket and integrated fuse holder,connect the supplied mains cable here
12. **[FUSE]:**Protecting the safety operation of circuit
13. **[FAN]:**for cooling the electronic components in the base of the machine

Technical Specifications

Input power:AC100-240V 50/60 Hz

Power consumption:255watt(max)

Power connection:IEC-10A

Connection:3pin-XLR male/female

Extremely Long Life:50,000 Hr and low power consumption

LED:6 PCS 40W high power RGBW LED

DMX channel:10/17 channels

ZOOM angel:4-36°

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

High speed of pan/tilt movement, speed of pan/tilt movement is adjustable

Control mode:DMX512/Master-Slave/Auto run/sound

Display: 2.4inches LCD display

8 internal program , sound mode can control by DXM 512

IP-Rating:IP20

N.W: 8.5KG
 G.W: 11.5KG
 Packing size :
 44*36*32CM (1pcs/ctn)

Menu Function

menu (Color Display 2.4'TFT--X8)				
DMX Address	001~512			
Operating Mode	DMX 17 Ch			
	DMX 10 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			
	Master 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		
	Master Sound			
Slave				
Advanced Setting	Pan Reverse			
	Tilt Reverse			
	Display Reverse			
	Reset Motor			
	Factory Reset			
	Home Position	Password	Code =018	
		PAN	PAN =000	
		TILT	TILT =000	
		Focus	Focus =000	
	Effect Motor	EFFECT =000		

		Focus	DIMMER =000
		Red	Red =000
		Green	Green =000
		Blue	Blue =000
		White	White =000
		Language Setting	简体中文
			English
	Mic Sensitive	0	
System Info	Current Time		
	Total Time		
	Current Mode		
	Temperature		
	Software Version		
Manual Control	Pan	PAN =000	
	Tilt	TILT =000	
	XY Speed	Move Speed =000	
	Focus	Focus =000	
	Effect Motor	Effect Motor =000	
	Dimmer	Dimmer =000	
	Strobe	Strobe =000	
	Red	Red =000	
	Green	Green =000	
	Blue	Blue =000	
	White	White =000	

DMX-Configuration

10DMX Channel:

10CH	DMX Value	Function
1	000 - 255	X
	000-255	X-Fine
2	000 - 255	Y
	000-255	Y-Fine
	000 - 255	XY SPEED
3	000-255	Dimmer(0-100%)
4	000-004	Shutter closed
	005-250	Strobe effect slow to fast
	251-255	Shutter open
5	000-255	LED1(0-100%)
6	000-255	LED2(0-100%)
7	000-255	LED3(0-100%)
8	000-255	LED4(0-100%)
9	000-255	Focus(0-100%)
10	000-099	Effect Lens linear(0~60°)
	100-133	Shake from Small to Big
	134-194	Backward rotation from fast to slow
	195-255	Forward rotation from slow to fast

17 DMX Channel:

17CH	DMX Value	Function
1	000 - 255	X
2	000-255	X-Fine
3	000 - 255	Y
4	000-255	Y-Fine
5	000 - 255	XY SPEED
6	000-255	Dimmer(0-100%)
7	000-004	Shutter closed
	005-250	Strobe effect slow to fast
	251-255	Shutter open
8	000-255	LED1(0-100%)
9	000-255	LED2(0-100%)
10	000-255	LED3(0-100%)
11	000-255	LED4(0-100%)
12	000-255	Focus(0-100%)

13	000-099	Effect Lens linear(0~60°)
	100-133	Shake from Small to Big
	134-194	Backward rotation from fast to slow
	195-255	Forward rotation from slow to fast
14	000-007	Empty
	008-015	Red
	016-023	Amber
	024-031	Yellow warm
	032-039	Yellow
	040-047	Green
	048-055	Turquoise
	056-063	Cyan
	064-071	Blue
	072-079	Lavender
	080-087	Mauve
	088-095	Magenta
	096-103	Pink
	104-111	White 3200K
	112-119	White 5600K
	120-127	White 7200K
128-191	Jump from slow to fast	
192-255	Fade from slow to fast	
15	000-009	Empty
	010-039	Focus auto run 1
	040-069	Focus auto run 2
	070-099	Focus auto run 3
	100-129	Focus auto run 4
	130-159	Focus auto run 5
	160-189	Focus auto run 6
	190-219	Focus auto run 7
	220-255	Focus auto run 8
16	000-007	Empty
	008-032	X/Y auto run 1
	033-058	X/Y auto run 2
	059-084	X/Y auto run 3
	085-110	X/Y auto run 4
	111-136	X/Y auto run 5
	137-162	X/Y auto run 6
	163-188	X/Y auto run 7

	189-214	X/Y auto run 8
	215-240	X/Y auto run 9
	241-255	X/Y Sound Control
17	250-255	RESET(10S)

Maintenance

DANGER !

Disconnect from the mains before starting any maintenance work.

- Make sure the area below is free from any unwanted persons during servicing.
- Switch off the unit, unplug the mains cable and wait until the unit is cool down.

During inspection the following points should be checked:

- All screws used for installing the device and any of its parts should be tightly fastened and may not be corroded.
- Housing, fixations and installation spots (ceiling, truss, suspensions) should be totally free from any deformation.
- When an optical lens is visibly damaged due to cracks or deep scratches, it must be replaced.
- The mains cables must be in impeccable condition and should be replaced immediately when even a small problem is detected.
- In order to protect the device from overheating the cooling fans (if any) and ventilation opening should be cleaned monthly.
- The interior of the device should be cleaned annually using a vacuum cleaner or air-jet.
- 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 which the fixture operates: damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics.
- Clean with a soft cloth using normal glass cleaning products.
- Always dry the parts carefully.
- Clean the external optics at least every 30 days.
- Clean the internal optics at least every 90 days.

Important: we strongly recommend internal cleaning to be carried out by qualified personnel!

Every information is subject to change without prior notice.