7x40W LED BEAM ZOOM WASH

Professional Stage Lighting Manufacturer

User Manual

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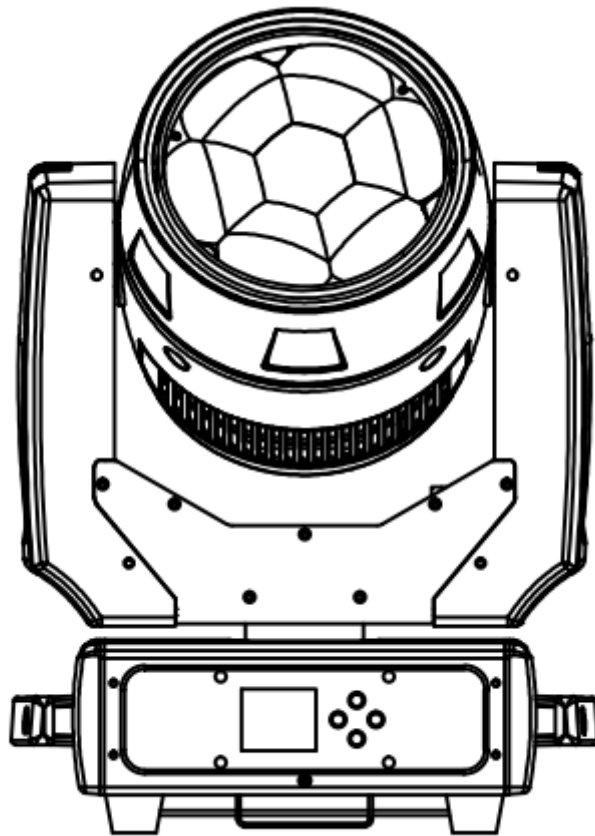
Operational Manual

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

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!

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 shot 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℃.Don't use this unit at higher ambient temperatures.
- 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 led the power-cord come into contact with other cables!
- Don't connect the unit to any dimer pack.
- In order to prevent electric shot,do not open the cover.There are no user serviceable parts inside.
- The housing and lenses must be replaced if they are invisibly 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,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 an 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 safe cable as 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!
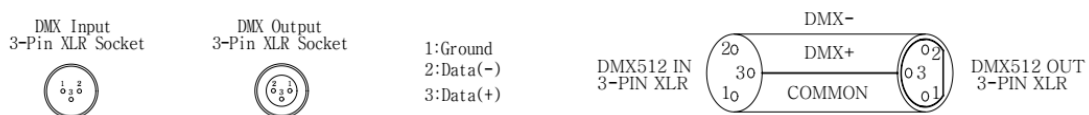
Clamp Mounting :

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 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.

(1)Omega-holders
(2)Clamp
(3)Safety-rope
(4)Quick-lock fastene
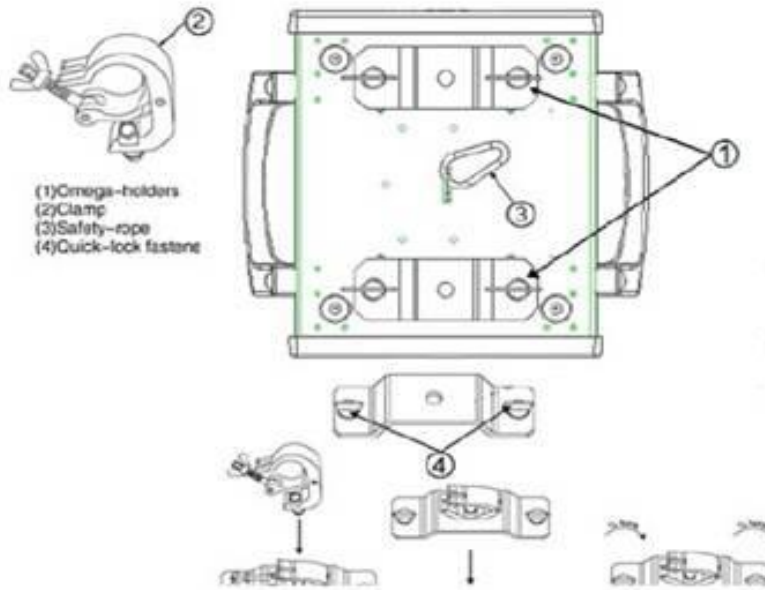
DMX-512 Control Connection

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 Input
3-Pin XLR Socket

DMX Output
3-Pin XLR Socket

1:Ground
2:Data(-)
3:Data(+)

DMX512 IN
3-PIN XLR

DMX-
DMX+
COMMON

DMX512 OUT
3-PIN XLR

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.

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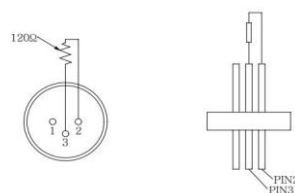
How to Set up this Unit

1. [MIC]: micro phone for sound mode
2. [MENU]: press this button to go back to the main menu or to leave sub menus
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:300watt(max)
Connection:3pin-XLR male/female
Extremely Long Life:50,000 Hr and low power consumption
LED:7 PCS 40W high power RGBW LED
DMX channel:12/18 channels
ZOOM angel:6-55 °
Movement:Pan/Tilt:X axis 540°, Y axis 270°
High speed of pan/tilt movement, speed of pan/tilt movement is adjustable
Control mode:DMX512/Master-Slave/Auto run/sound
Display: LCD display
IP-Rating:IP20
N.W: 6 KG
G.W: 7 KG
Packing size :40*24*32cm

Menu Function

Main Menu	Second	Third	Fourth
Dmx Address	000 - 512		

Fixture	Dmx Mode	STD / HSI	
	Run Mode	DMX / Host / Sound	
	Pan Invert	Close / Open	
	Tilt Invert	Close / Open	
	No signal	Clear / Hold	
	Sensitivity	0-99	
Manual	Pan	000 - 255	
	Pan Fine	000 - 255	
	Tilt	000 - 255	
	Tilt Fine	000 - 255	
	⋮	⋮	
Information	Time	Current Time	xxxH
		Total Time	xxxH
	Sensor	Pan	FALSE / TURE
		Tilt	FALSE / TURE
		Zoom	FALSE / TURE
		Temp	FALSE / TURE
		Fan	FALSE / TURE
	Temperature	Head Temp	xxxC
	Software Version	Panel	Vx.xx
			Vx.xx
			Vx.xx
Factory	Password	000 - 255	
	Pan	000 - 255	
	Tilt	000 - 255	
	Zoom	000 - 255	
	Zoom Rotation	000 - 255	
	Red	000 - 255	
	Green	000 - 255	
	Blue	000 - 255	

	White	000 - 255	
Reset	All Reset	Cancel / Run	
	Factory	Cancel/ Run	
Display	Language	CH / EN	
	Display Flip	Normal / Reverse	
	Display Mode	60s / Show	

DMX- Configuration

12/18 CH mode

18CH	12CH	Name	Value	Function
1	1	Pan	0 - 255	Pan
2	2	Pan Fine	0 - 255	Pan Fine
3	3	Tilt	0 - 255	Tilt
4	4	Tilt Fine	0 - 255	Tilt Fine
5	5	PT Speed	0 - 255	PT Speed
6	6	Dimmer	0 - 255	Dimmer
7	7	Strobe		Strobe
			0 - 3	close
			4 - 103	Regular strobe, from slow to fast
			104 - 107	open
			108 - 207	Pulse strobe, from slow to fast
			208 - 212	open
			213 - 225	Random strobe , slow speed
			226 - 238	Random strobe ,middle speed
			239 - 251	Random strobe ,fast speed
			252 - 255	open
8	/	Red	0 - 255	Red
9	/	Green	0 - 255	Green
10	/	Blue	0 - 255	Blue
11	/	White	0 - 255	White
/	8	Hue	0 - 255	Hue
/	9	Saturation	0 - 255	Saturation
12	/	CCT		CCT
			0	Empty
			1 ~ 27	8500K
			28 - 55	7500K
			56 - 83	6800K
			84 - 111	6200K

			112 - 139	5600K
			140 - 167	5000K
			168 - 195	4500K
			196 - 223	3600K
			224 - 251	3200K
			252 - 255	2800K
13	/	Macro	0 - 255	Macro
14	10	Zoom	0 - 255	Zoom
15	11	Zoom Rotation		Zoom Rotation
			0 - 127	Manual rotation
			128 - 190	Rotate clockwise, fast to slow
			191 - 192	stop
			193 - 255	Rotate counterclockwise, slow to fast
16	/	Effect		Effect
			0	Empty
			1 - 25	Gradient change effect
			26 - 51	Jump effect
			52 - 77	Color chase
			78 - 103	Red gradient change
			104 - 129	Green gradient change
			130 - 155	Blue gradient change
			156 - 181	Yellow gradient change
			182 - 207	Magenta gradient change
			208 - 233	Cyan gradient change
			234 - 255	White gradient change
17	/	Effect Speed	0 - 255	Effect Speed
18	12	Reset	0 - 239	Empty
			240 - 249	Reset (5 second later)
			250 - 255	Auto run

Maintenance

DANGER !
Disconnect from the mains before starting any maintenance work.

- Make sure the are 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 installations 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 overheat 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 in 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!