SOLARIS

MINI SHOOTER

Lens Rotate 4pcs 10W LED Beam Light with OLED display



USER MANUAL

CE

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.



CAUTION! Keep this device away from rain and moisture!



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 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

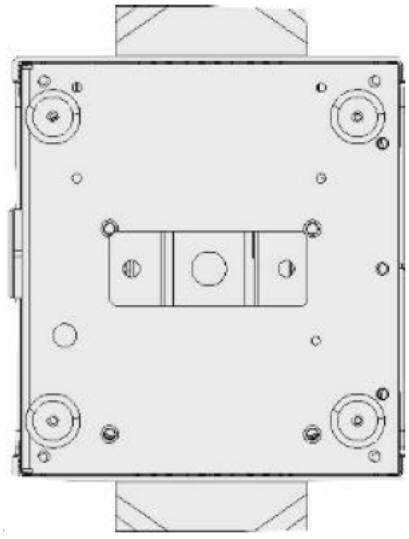
illustration below).Be sure this fixture is kept at least 0.5m (1.5ft) away from any flammable (decoration etc.)
Always use and install the supplied safety cable as a safe cable as safety measure to prevent accident damage and /or injury in the event the clamp fails.

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 appropritely 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.



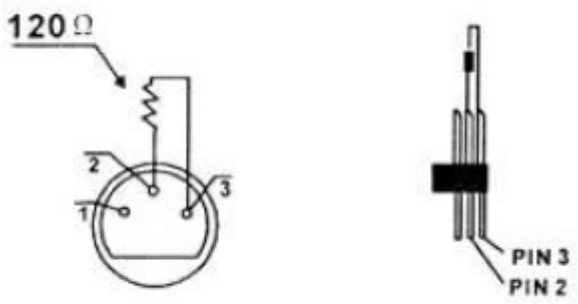
2.4 DMX-512 control connection

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.



2.5 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

Voltage: AC100-240V, 50/60 Hz
Power consumption: 55W
LED: 4pcs *10W White LED
Average life span: 50000 hours and low power consumption
DMX channel: 4 CH / 16 CH
Control mode: DMX512/Master-Slave/Auto run/sound
Movement: Pan 540 degree, Tilt 190 degree, there are High and low speed mode for you choose
Scan position memory, auto re-position after unexpected movement
Display: OLED display
Color Wheel: 3 colors(Red, Yellow, Blue) + open, Half-color, rainbow-flow effect.
Beam angle: 5 degree
LED lense wheel rotates endlessly at both directions to make graphic effect, the beam spot of 4 LED can be overlapped to only one brighter spot
Each LED can be controlled alone
Dimming : 0-100% liner dimmer
Strobe : 0-23HZ .
IP rate :IP20
8 internal program, sound mode can control by DMX 512
Dimension: 245x145x330mm
N.W.: 4.06kgs G.W.: 4.66kgs

4 : DISPLAY MENU

1	DMX Address	001-512		
2	DMX Channel	DMX 16 Ch		
		DMX 04 Ch		
3	Running Mode	DMX		
		Auto		
		Sound		
		Slave		
4	Programs	Program1		
		Program2		
		Program3		
		Program4		
		Program5		
		Program6		
		Program7		
		Program8		
5	Settings	Pan Rev	No	
			Yes	
		Tilt Rev	No	
			Yes	
		Display Rev	No	
			Yes	
		Sensitivity	0-100	
		Speed Mode	OFF	
			Hold	
		Calibration	Password	
			All To Origin	Clear ALL (3s)
			Pan	.=0-120
			Tilt	.=0-120

			Spot Color	.=0-120
			Gobo	.=0-120
		Factory Reset	Yes	
			No	
		Reset Motor	（Reset all Motor）	
6	System Info	Software		
		Mode DMX		
		Address 001		

5:Function Mode

5.1 DMX Address

With this function, you can adjust the address from 001 to 512 , Press the UP or DOWN buttons to find your desired address. Press ENTER to set your desired DMX address.

5.2 DMX Channel

The LED moving head have 4CH and 16CH.

5.3 Running Mode

In the Running Mode, it show 【DMX】, 【Auto】, 【Sound】 and 【Slave】 mode on the display , you can choose the mode to run .

5.4 Programs

With this function, you can run the 8 Inside program with master mode.

5.5 Settings

(1) Pan Rev

With this function you can reverse the Pan-movement.

(2) Tilt Rev

With this function you can reverse the Tilt -movement.

(3) Display Rev

With this function you can reverse the display-movement.

(4)Sensitivity

This function is for sound-controlled, you can adjust the value from 0 to100 , the value is more high , Sensitivity is more better .

(5) Speed Mode

In this function you can check the problem of the DMX , if the DMX meet the problem , it have OFF and Hold for select .

(6) Calibration

Enter into this function , have each items Calibration.

(7) Factory Reset

With this function, you can select Factory Reset for Yes or NO, the default is NO.

(8) Reset Motor

Enter into this function , all Motor will Reset to the original .

5.6 System Info

In this function, you can check the detail for the 【Software】, 【Mode】 in DMX , 【Address】 value 001.

6: DMX CHANNELS

6.1 4 Channel Definition Table

Channel	DMX Value	Function
1	000-255	Pan
2	000-255	Tilt
3	000-007	Empty
	008-047	Auto Play 1
	048-087	Auto Play 2
	088-127	Auto Play 3
	128-167	Auto Play 4
	168-207	Auto Play 5
	208-247	Auto Play 6
	248-255	Color Gobo Sound Control
4	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

6.2 16 Channel Definition Table

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	P/T 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 Dimmer(0-100%)
9	000-255	LED2 Dimmer(0-100%)
10	000-255	LED3 Dimmer(0-100%)
11	000-255	LED4 Dimmer(0-100%)
12	000-017	Open(White)
	018-034	White/Red
	035-052	Red
	053-069	Red/Yellow
	070-087	Yellow
	088-104	Yellow/Blue
	105-122	Blue
	123-139	Blue/White
	140-195	Backward rotation from fast to slow
	196-199	Stop
	200-255	Forward rotation from slow to fast
13	000-133	Effect Lens linear(0~90°)
	134-194	Backward rotation from fast to slow

	195-255	Forward rotation from slow to fast
14	000-007	Empty
	008-047	Auto Play 1
	048-087	Auto Play 2
	088-127	Auto Play 3
	128-167	Auto Play 4
	168-207	Auto Play 5
	208-247	Auto Play 6
	248-255	Color Gobo Sound Control
15	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
16	250-255	RESET(10S)