LED 60W SPOT
MOVING HEAD LIGHT

USER MANUAL

Please Read over this Manual before Operating the Light Fixture

1 . Unpacking:

Thank you for purchasing the mini 60w moving head Spot light .Every mini moving head Spot light has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping.If the carton appears to be damaged carefully inspect your fixture for any damage and be sure all equipment necessary to operate the unit has arrived intact. In the event damage has been found or parts are missing, please contact our customer support number for further instructions. Please do not return this unit to your dealer without contacting customer support first.

    The Light   x1
    Power cable   x1
    User Manual   x1
    Omega bracket x1

2 . Security:

1. Make sure the user voltage can not higher or lower than the regulating voltage.
2. Please use proper and safe AC cord to connect the product, use a plug to connect the cord to the power supply. Don't drag the cord to pull off the plug.
3. Make sure to shut off the power supply when stop using the light and before cleaning.
4. Make sure there is no combustible or explosive object around 0.5 meters.
5. Do not amend the light by unprofessional person. It may cause short circuit, combustion or electric shock etc, and it is not in guarantee in this case.

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
*Warning!* This may cause severe eye damage. Avoid looking directly into the light source at all times!

3 . Technical Parameters:

1.High output mini Moving Head with a bright white 60W LED source
2.7 Colors + white
3.7 fixed GOBOs + spot
4.Separate color & GOBO wheels
5.Manual focus
6.3 Operational modes: DMX, Sound Active & Internal Show control modes
7.2 DMX channel modes: 9 & 11 Channel modes
8. Built-in auto ran shows ,1~9 speed grade adjustable
9.GOBO Shake effect
10.GOBO scroll mode
11.Beam Angle: 13-degrees
12.540° pan / 230° tilt (16-bit)
13.Pan /Tilt Inversion mode
14.Shutter: Pulse effect; random strobe slow to fast
15.Dimming: 0% - 100%
16.Fan Cooled
17.Omega bracket included
18.Linkable: DMX via 3-pin XLR cable
19.Pan/Tilt Angle: X540 Y230
20.Strobe Rate: 0.3-19HZ
21.Power consumption:100W @ 230V
22.Multi-voltage Operation: AC 100 - 240V, 50/60Hz
23.Power Cable Length: 1.5M (IEC)
24.Bean angle:13-degree beam)
25.Dimensions (LxWxH): 6.25" x   5.75" x 10.5" / 159 x 147 x 265mm
26.Weight: 7 lbs. / 3.1 kg

4 . Brief Introduction:

There are four LED tubes digital figures on the back panel of the light. The functions are MENU, UP, DOWN, ENTER (as below).
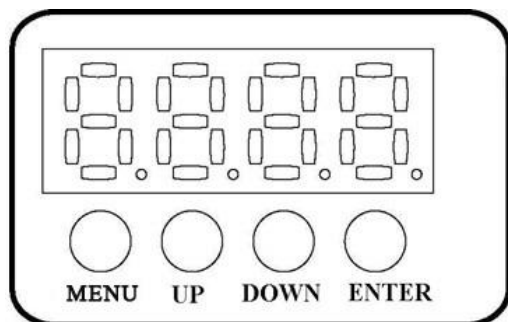
There are total 16 modes for control. When you press "MENU", the number will change gradually, from "A001" to "REST" in circle. Enter into the mode to adjust the effect you need.

Display		Function
Addr	A001-A512	512 Address Set
CHnd	11CH	11Channel Set
	9CH	9Channel Set
SLnd	Auto	Master Mode
	SL 1	DMX512 Mode
	SL 2	Slave Mode
SHnd	SH 0	Effect0（Recommend）
	SH 1	Effect1
	SH 2	Effect2
	SH 3	Effect3
Soud	on	Open the sound control mode
	oFF	Close the sound control mode
SEnS	0-99	Adjust the sensitivity of sound
bLAnd	bLAc	Without the 512 signal, return to zero
	Auto	Without the 512 signal,Auto
	Soun	Without the 512 signal,Sound
	HoLd	Without the 512 signal, keep last state of controller
LEd	OFF	Close the screen after 5 seconds
	ON	Screen open all the time
dISP	no	Display reverse
	YES	Display forward
rPAN	no	X dynamo co rotation
	YES	X dynamo reverse rotation
rTiL	no	Y dynamo co rotation
	YES	Y dynamo reverse rotation
REST	YES	System Reset

5 . Introduction of using:
1. "CH11" Mode of DMX 11CH

CH	Function	Introduction
1	Pan Running	0-255
2	Pan Fine	0-255
3	Tilt Running	0-255
4	Tilt Fine	0-255
5	Color	
	0-139	Choose color
	140-255	Change the color automatically, from slow to fast
6	Gobo	
	0-63	Fixed Gobo
	64-127	Pattern dither
	128-255	Change the pattern automatically, from slow to fast
7	Strobe	0-255
8	Dimming	0-255
9	Speed of Pan/Tilt	0-255

	Auto Mode	
	0-59	Function of Other Channel
	60-84	Auto Mode0
	85-109	Auto Mode1
	110-134	Auto Mode2
10	135-159	Auto Mode3
	160-184	Sound Mode0
	185-209	Sound Mode1
	210-234	Sound Mode2
	235-255	Sound Mode3
	0-20	No Function
	21-100	X axis auto running
11	101-200	X axis auto running
	201-249	XY axis auto running
	250-255	Reset(5 seconds)

2."CH9" Mode of DMX 9CH

CH	Function	Introduction
1	Pan Running	0-255
2	Tilt Running	0-255
	Color	
3	0-139	Choose color
	140-255	Change the color automatically, from slow to fast
	Gobo	
4	0-63	Fixed Gobo
	64-127	Pattern dither
	128-255	Change the pattern automatically, from slow to fast
5	Strobe	0-255
6	Dimming	0-255
7	speed of Pan/Tilt	0-255
8	Auto Mode	0-255 Up-regulation for co rotation, Down-regulation for reverse rotation
	0-20	No Function
	21-100	X axis final motion
9	101-200	X axis final motion
	201-249	X axis final motion
	250-255	Reset(5 seconds)

6 . DMX 512 connections

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.
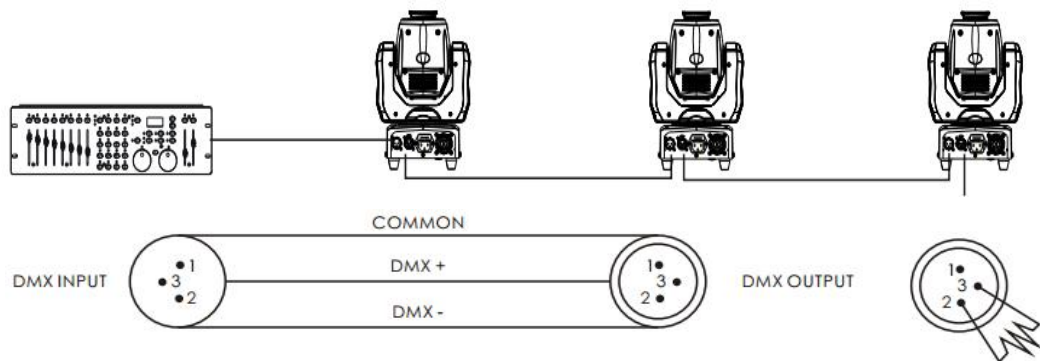
7.Introductions:

ADDR - DMX Address Setting.
1. Press the either the MENU, UP, or DOWN buttons until "**ADDR**" is displayed, press ENTER.
2. The current address will now be displayed and flashing. Press the UP or DOWN buttons to find your desired address.
   Press ENTER to set your desired DMX address.

CHND - This will let select your desired DMX channel mode.
1. Press the either the MENU button until "**CHND**" is displayed, press ENTER. Either "**8CH**" or "**12CH**" will be displayed
2. Press the UP or DOWN buttons to find your desired DMX channel mode and press ENTER to confirm and exit.

SLND - This will let you set unit as a master or slave in a master/slave configuration.
1. Press the MENU button until "**SLND**" is displayed, press ENTER.Either "**MAST**", "**SL 1**", or "**SL 2**" will be displayed.
2. Press the UP or DOWN buttons until your desired setting is displayed,press ENTER to confirm.

Note: In a Master/Slave configuration you can set one fixture to Master and then set the next fixture to "**SL 2**", the fixtures will now have contrast movement to each other.
System Menu: When making adjustments press ENTER to confirm your setup then press and hold the MENU button for at least 3 seconds. To exit without making any adjustments press the MENU button. The display will lock after 30 seconds, press the MENU button for 3 seconds to unlock.

SHND - Show modes   (Factory programs). Show mode can run with or without sound active mode active.
1. Press the MENU button until "**SHND**" is displayed, press ENTER.
2. "**SOUND**" will now be displayed, The light will work in Sound active model."**AUTO**" 0-9. Shows 1-9 auto run speed 1 is the slowest
   Use the UP or DOWN buttons to find your desired show.
3. When you have found your desired show press ENTER, then press and hold the MENU button for at least 3 seconds to activate.
   After you have set your desired show, it can be changed at any time using

SOUN - Sound Active mode.
1. Press the MENU button until "**SOUN**" is displayed, press ENTER.
2. The display will show either "**ON**" or **"OFF"**. Press the UP or DOWN buttons to select "**ON**" to activate sound active mode, or "**OFF**" to deactivate sound active mode.
3. Press ENTER to confirm.

SENS - In this mode you can adjust the sound sensitivity.
1. Press the MENU button until "**SENS**" is displayed, press ENTER.
2. A number between 0-100 will be displayed. Press the UP or DOWN buttons to adjust the sound sensitivity. 0 being the least sensitive, and 100 being the most sensitive.
3. When you have found your desired setting press ENTER to confirm.

BLND - In this mode you can have the light in black out.
1. Press the MENU button until "**BLND**" is displayed, press ENTER.
2. The display will show either "**ON**" or "**OFF**". Press the UP or DOWN buttons to select "**ON**" to keep the LED display on at all times, or "**OFF**" to switch to have the LED display switch off after 10 seconds.
3. Press ENTER to confirm. To make you LED display reappear again press any button.

LED - With this function you can have the LED display turn off after 10 seconds.
1. Press the MENU button until "**LED**" is displayed, press ENTER.
2. The display will show either "**ON**" or "**OFF**". Press the UP or DOWN buttons to select "**ON"** to keep the LED display on at all times, or "**OFF"** to switch to have the LED display switch off after 10 seconds.
3. Press ENTER to confirm. To make you LED display reappear again press any button.

DISP - This function will reverse the display 180º.
1. Press the MENU button until "**DISP**" is displayed, press ENTER.
2. Press ENTER to "flip" the display. Press ENTER to "flip" it again.Press ENTER when you have made your desired setup.

TEST - This function will run a self test program.
1. Press the MENU button until "TEST" is displayed, press ENTER.
2. The fixture will now run a self test.

HOUR - With this function you can display the running time of the unit.
1. Press the MENU button until "**HOUR**" is displayed, press ENTER.
2. The running time of the fixture will now be displayed. Press MENU to exit.

VER - Use this function to display the Software version of the unit.
1. Press the either the MENU button until "**VER**" is displayed, press ENTER.
2. The display will show the software version.

RSET - Use this function to reset the unit.
1. Press the MENU button until "**RSET**" is displayed, press ENTER.
2. The fixture will now reset.

Master-Slave Operation

This function will allow you to link up to 16 units together and operate without a controller. The units will be sound activated.
In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units programs.
Any unit can act as a Master or as a Slave.

1. Using approved DMX data cables, daisy chain your units together via the XLR connector on the rear of the units. Remember the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (master) will use the female XLR connector only - The last unit in the chain will use the male XLR connector only. For longer cable runs we suggest a terminator at the last fixture.

2. On the Master unit press the MENU button until "**SLND**" is displayed,and press ENTER. Use the UP and DOWN buttons to scroll to the "**MAST**" setting and press ENTER.

3. After setting the Master unit to the master setting find your desired operating mode.

4. On the slave units press the MENU button until"**SLND**" is displayed,and press ENTER. Choose either "**SL 1**" or "**SL 2**" And press ENTER..

5. The slave units will now follow the Master unit.

Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (I.e. smoke, fog residue, dust,dew).
In heavy club use we recommend cleaning on a monthly basis.Periodic cleaning will ensure longevity, and crisp output.
1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Use a brush to wipe down the cooling vents and fan grill.
3. Clean the external optics with glass cleaner and a soft cloth every 20 days.
4. Clean the internal optics with glass cleaner and a soft cloth every 30-60 days.
5. Always be sure to dry all parts completely before plugging the unit back in.

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

Auto Sensing Voltage: This fixture contains a automatic voltage switch, which will auto sense the voltage when it is plugged into the power source