

LED 60W SPOT 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.

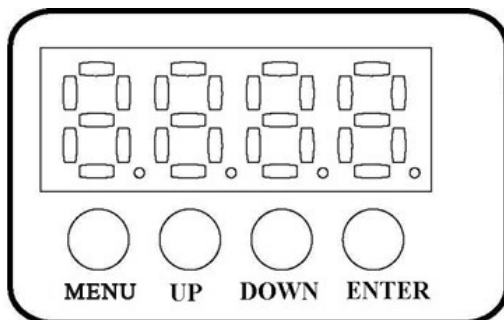
Warning! This may cause severe eye damage. Avoid looking directly into the light source at all times!

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: 8 & 12 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	DMX ADDRESS. A001---A512
CHND	CHANNEL MODE. 8 Channels OR 12 Channels Selection
SLND	MAST, SL 1 or SL 2 Master/Slave Selection
SHND	SOUD , AUTO (Running Speed : SP 0---SP 9)) or SELF-PROPELLED Selection
SOUD	Sound Mode. ON/OFF.
SENS	Sound sensitivity control(0 OFF-100)
BLND	BLACKOUT MODE YES, NO
LED	LED DISPLAY ON, OFF.
DISP	DISPLAY NORMAL/ DISPLAY INVERSION
PAN	PAN INVERSION
TILT	TILT INVERSION
MENU	PAN,TILT,COLOR,GOBO,DIMMER, STROBE TEST
TEST	Auto Test
HOUR	0---9999 FIXTURE USED TIME
VER	FIRMWARE VERSION
REST	Reset Factory Settings

5 . Introduction of using:

1. "CH12" Mode of DMX 12CH

Channel	DMX	12CH	
1	0---255	Pan Position	0°--- 540°
2	0---255	Pan Fine	
3	0---255	Tilt Position	0°--- 202°
4	0---255	Tilt Fine	
5	0---255	Pan/Tilt Speed	Fast To Slow
6	0---255	Dimmer	0 --- 100%
7	0---015	Open	Strobe
	016---131	Strobe From Slow To Fast	
	132---139	Open	
	140---181	Fast Close Slow Open	
	182---189	Open	
	190---231	Slow Close Fast Open	
	232---239	Open	
	240---247	Random Strobe	
	248---255	Open	
8	0---007	Open	Color Wheel
	008--015	Open +Color 1	
	016---023	Color 1	
	024---031	Color 1+ Color 2	
	032---039	Color 2	
	040---047	Color 2+ Color 3	
	048---055	Color 3	
	056---063	Color 3+ Color 4	
	064---071	Color 4	
	072---079	Color 4+ Color 5	
	080---087	Color 5	
	088---095	Color 5+ Color 6	
	096---103	Color 6	
	104---111	Color 6+ Color 7	
	112---119	Color 7	
	120---127	Color 7+ Open	
128---191	From Fast to Slow Clockwise Rotation		
192---255	From Slow to Fast Counter Clockwise Rotation		

9	0---009	Open	Pattern Plate
	010---019	Gobo1	
	020---029	Gobo2	
	030---039	Gobo3	
	040---049	Gobo4	
	050---059	Gobo5	
	060---069	Gobo6	
	070---079	Gobo7	
	080---089	Gobo7 Shake	
	090---099	Gobo6 Shake	
	100---109	Gobo5 Shake	
	110---119	Gobo4 Shake	
	120---129	Gobo3 Shake	
	130---139	Gobo2 Shake	
	140---149	Gobo1 Shake	
	150---202	From Fast to Slow Clockwise Rotation	
203---255	From Slow to Fast Counter Clockwise Rotation		
10	0---015	No Effect	Pan/Tilt Macro
	016---035	Effect 1	
	036---055	Effect 2	
	056---075	Effect 3	
	076---095	Effect 4	
	096---115	Effect 5	
	116---135	Effect 6	
	136---155	Effect 7	
	156---175	Effect 8	
	176---195	Effect 9	
	196---215	Effect 10	
	216---235	Effect 11	
236---255	Effect 12		
11	0---255	Fast To Slow	Pan/Tilt Macro Speed
12	0--069	No Function	Function
	070--089	Enable Blackout While Pan/Tilt Move	
	090--089	Disable Blackout While Pan/Tilt Move	
	090--109	No Function	
	110--129	Enable Blackout While Color Wheel Move	
	130---149	Disable Blackout While Color Wheel Move	
	150--169	Enable Blackout While Pattern Plate Move	
	170---189	Disable Blackout While Pattern Plate Move	
	190---199	No Function	
	200---209	Reset All	
	210---249	No Function	
250---255	Stand Alone		

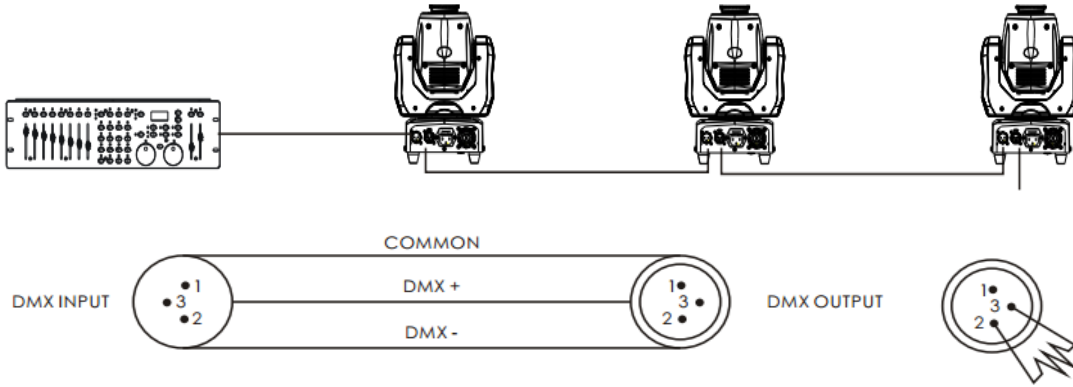
2. "CH8" Mode of DMX 8CH

Channel	DMX	8CH	
1	0---255	Pan Position	0°--- 540°
2	0---255	Tilt Position	0°--- 202°
3	0---255	Pan/Tilt Speed	Fast To Slow
4	0---255	Dimmer	0 --- 100%
5	0---015	Open	Strobe
	016---131	From Strobe From Slow To Fast	
	132---139	Open	

5	140---181	Fast Close Slow Open	
	182---189	Open	
	190---231	Slow Close Fast Open	
	232---239	Open	
	240---247	Random Strobe	
	248---255	Open	
6	0---007	Open	Color wheel
	008--015	Open +Color 1	
	016---023	Color 1	
	024---031	Color 1+ Color 2	
	032---039	Color 2	
	040---047	Color 2+ Color 3	
	048---055	Color 3	
	056---063	Color 3+ Color 4	
	064---071	Color 4	
	072---079	Color 4+ Color 5	
	080---087	Color 5	
	088---095	Color 5+ Color 6	
	096---103	Color 6	
	104---111	Color 6+ Color 7	
	112---119	Color 7	
	120---127	Color 7+ Open	
128---191	From Fast to Slow Clockwise Rotation		
192---255	From Slow to Fast Counter Clockwise Rotation		
7	0---009	Open	Pattern Plate
	010---019	Gobo1	
	020---029	Gobo2	
	030---039	Gobo3	
	040---049	Gobo4	
	050---059	Gobo5	
	060---069	Gobo6	
	070---079	Gobo7	
	080---089	Gobo7 Shake	
	090---099	Gobo6 Shake	
	100---109	Gobo5 Shake	
	110---119	Gobo4 Shake	
	120---129	Gobo3 Shake	
	130---139	Gobo2 Shake	
	140---149	Gobo1 Shake	
	150---202	From Fast to Slow Clockwise Rotation	
203---255	From Slow to Fast Counter Clockwise Rotation		
8	0--069	Enable Blackout While Pan/Tilt Move	Function
	070--089	Disable Blackout While Pan/Tilt Move	
	090--089	No Function	
	090--109	Enable Blackout While Color Wheel Move	
	110--129	Disable Blackout While Color Wheel Move	
	130---149	Enable Blackout While Pattern Plate Move	
	150--169	Disable Blackout While Pattern Plate Move	
	170---189	No Function	
	190---199	Reset All after 5 seconds	
	200---209	No Function	
	210---249	Stand Alone	
	250---255	Enable Blackout While Pan/Tilt Move	

6 . DMX 512 connections

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



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 180°.

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.

HOURL - With this function you can display the running time of the unit.

1. Press the MENU button until "HOURL" 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*

