

# SL-LM300-BSW

300W 3IN1 BSW LED MOVING HEAD LIGHT



This product manual contains important information about the safe installation and use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future

## User manual

Please read the instructions carefully before use

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## STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

### 1.Safety Instruction

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Unpack and check carefully there is no transportation damage before using the unit.

Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

It's important to ground the yellow/green conductor to earth in order to avoid

electric shock.

The unit is for indoor use only. Use only in a dry location.

The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked. Disconnect main power before replacement or servicing.

Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.

Maximum ambient temperature is Ta: 40°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

DO NOT touch any wire during operation as high voltage might be causing electric shock.

## **WARNING:**

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.

DO NOT open the unit within five minutes after switching off.

The housing, the lenses, or the ultraviolet filter must be replaced if they are

visibly damaged.

## **CAUTION:**

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

## **INSTALLATION:**

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

## **2. Technical Specification**

Power Voltage: AC 100-240V, 50/60Hz

Power Consumption: 350W

Light Sources: High power white 300W LED

Light source life: 50000 hours

Dimming system: 0-100% linear adjustment

Zoom angle: 4-45 degrees

Beam angle: 0-3.8 degrees

Color: 8 colors + white. Color half-color function

CTO: Color temperature 2700-6500K

Fixed gobos: 11 fixed patterns + open

Rotating gobos: 8 glass gobos, each glass pattern can be independently forward and reverse

Prism system: standard single 8-facet prism can be independently forward and reverse

## Control

DMX Channel: 18 Channels

Control Modes: DMX512, Auto, Master-Slave, Music

## Construction

Display: LCD Display

DMX In/Out socket: 3-pin XLR sockets

Power Socket: Powercon in/out

Protection Rating: IP20

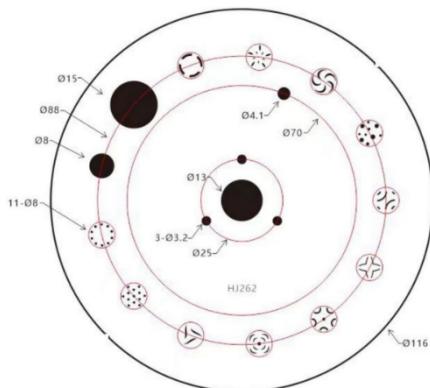
## Size

Product size: 355\*225\*572mm

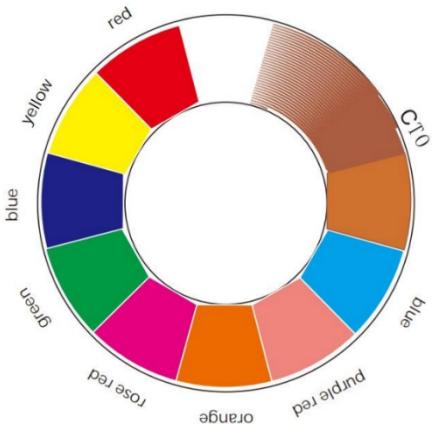
## Weight

Net Weight: 14.5Kgs

## Fixed Gobo Wheel



## Color Wheel

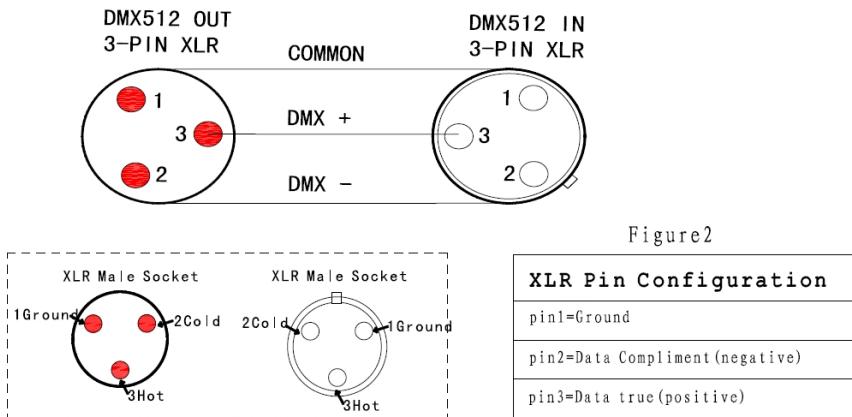


## Rotating Gobo Wheel



### 3. How to Control The Device

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. connect several lights together, dmx in and dmx out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)



### Display:

MENU To select the programming functions  
DOWN To go backward in the selected functions  
UP To go forward in the selected functions  
ENTER To confirm the selected functions

Set DMX Address Code

1. Press "**Menu**" to "Set DMX Address", and press "**ENTER**" keys to enter into
2. Show "Set DMX Address DMX Address:001", Press the "**UP** and **DOWN**" keys to amended
3. Press "**ENTER**" keys to save and Exit, Press the "**MENU**" Keys does not save and Exit



Main menu	Secondary menu	Third level menu/parameters
<b>Address</b>	001 - 512	(Add channels each time, subtract normal)
<b>System settings</b>	Operating mode	DMX/Sound/Auto 1 / Auto2
	Channel mode	18CH
	horizontal reversal	On/Off
	vertical reversal	On/Off
	Hall error correction	On/Off
	Optocoupler error correction	On/Off
	Signal keep	On/Off
	Display protect	On/Off
	Display reversal	On/Off/Auto
	synchronous update	On/Off
<b>Manual mode</b>	Language	中/EN
	Restore factory settings	
<b>System Calibration</b>	Manual control channel values	000-255
<b>System Reset</b>	Effect motor reset	Effect reset except for XY
Scanning motor reset	Only XY reset	
All motor reset	Light reset	
<b>System information</b>	Reset info	Display specific information content
	DMX Data detection	Display specific testing content for DMA
	Sensor information	Display specific information of optocoupler and Hall

	Hardware version	Display hardware version number
	Software version	Display software version number

## Screen automatic rotation function

The system can automatically rotate the screen according to the direction of gravity, without the need for manual rotation. The automatic rotation function can also be turned off.

## Manual control

This interface is used to control the current lighting fixture.

Press the "OK" button to enter the editing status. Press the "Up" and "Down" keys to change the channel value. Press 'OK' again to save the modified values and exit editing. Press 'Exit' to exit editing without saving the modified values.

## 4.DMX Channel Table

### DMX 512 18CHs

Channel	Function	Value	Effect
1	Pan	0-255	0-540°
2	Tilt	0-255	0-270°
3	Pan Fine	0-255	0-2°
4	Tilt Fine	0-255	0-2°
5	Pan/Tilt Speed	0-255	From fast to slow
6	Dimmer	0-255	0-100& linear dimmer
7	Strobe	0-3	Close
		4-99	Synchronize strobe
		100-149	Pulse strobe

		150-199	Sharp flash
		200-250	Random strobe
		251-255	Open
8	Color	0-8	White
		9-15	Color 1
		16-22	Color 2
		23-29	Color 3
		30-36	Color 4
		37-43	Color 5
		44-50	Color 6
		51-57	Color 7
		58-64	Color 8
		65-71	White + Color1
		72-78	Color1 + Color2
		79-85	Color2 + Color3
		86-92	Color 3+ Color 4
		93-99	Color 4+ Color 5
		100-106	Color 5+ Color 6
		107-113	Color 6+ Color 7
		114-120	Color 7+ Color 8
		121-127	Color 8+ White
		128-189	Anticlockwise running fast to slow
		190-193	Stop move
		194-255	Clockwise running slow to fast
		0-2	White
		3-10	Gobo 1
		11-18	Gobo 2
		19-26	Gobo 3
		27-34	Gobo 4
		35-42	Gobo 5

9	Fixed Gobo	43-50	Gobo 6
		51-58	Gobo 7
		59-66	Gobo 8
		67-74	Gobo 9
		75-82	Gobo 10
		83-90	Gobo 11
		91-99	Gobo 1 shake
		100-108	Gobo 2 shake
		109-117	Gobo 3 shake
		118-126	Gobo 4 shake
		127-135	Gobo 5 shake
		136-144	Gobo 6 shake
		145-153	Gobo 7 shake
		154-162	Gobo 8 shake
		163-171	Gobo 9 shake
		172-180	Gobo 10 shake
		181-189	Gobo 11 shake
		190-221	Anticlockwise running fast to slow
		222-223	Stop move
		224-255	Clockwise running slow to fast
10	Rotate Gobo	0-5	White
		6-16	Gobo 1
		17-27	Gobo 2
		28-38	Gobo 3
		39-49	Gobo 4
		50-60	Gobo 5
		61-71	Gobo 6
		72-82	Gobo 7
		83-93	Gobo 8
		94-105	Gobo 1 shake

		106-117	Gobo 2 shake
		118-129	Gobo 3 shake
		130-141	Gobo 4 shake
		142-153	Gobo 5 shake
		154-165	Gobo 6 shake
		166-177	Gobo 7 shake
		178-189	Gobo 8 shake
		190-221	Anticlockwise running fast to slow
		222-223	Stop move
		224-255	Clockwise running slow to fast
11	Gobo Rotation	0-127	0-400 degree adjust
		128-190	Anticlockwise running fast to slow
		191-192	Stop
		193-255	Clockwise running slow to fast
12	CTO	0-255	From 2700-6500K
13	Frost	0-127	None
		128-255	Frost
14	Prism	0-127	None
		128-255	Prism
15	Prism Rotation	0-127	Degree adjust
		128-190	Anticlockwise running fast to slow
		191-192	Stop
		193-255	Clockwise running slow to fast
16	Focus	0-255	Focus from 0-100%
16	Zoom	0-255	Linear zoom
18	Reset	0-199	None
		200-205	All motors reset
		206-255	None

## 5.Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

**a. The unit does not work, no light and the fan does not work**

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

**b. Not responding to DMX controller**

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

## 6.Fixture Cleaning

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 in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- **Clean with soft cloth using normal glass cleaning fluid.**
- **Always dry the parts carefully.**

- **Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.**