

SL-MS2500-IP

1000W Outdoor Powerful LED Moving Wash 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 reference.

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 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 T_a : 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: 1000W

Light Sources: High power 5060 RGBL 4IN1 20W*50pcs LEDs

Color Mixing: RGBL Color Mixing

CTO:2700-10000K

DMX Diffuser

CRI: Ra≥85

Light source life: 50000 hours

Beam angle: 25°/45°

Tilt Movement : 185°

Dimmer: 0-100% linear dimmer

Control

DMX Channel: 13/33CHs

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

Display: Illuminated graphic LCD

Protocol: Art-Net, DMX-512, RDM

RDM: Bidirectional communication

Cooling: Temperature controlled, overheating protection

Construction

Display: LCD Display

DMX In/Out socket: 3-pin XLR waterproof in/out

Power Socket: Waterproof powercon In

Art-Net In/Out socket

Protection Rating: IP66

Size

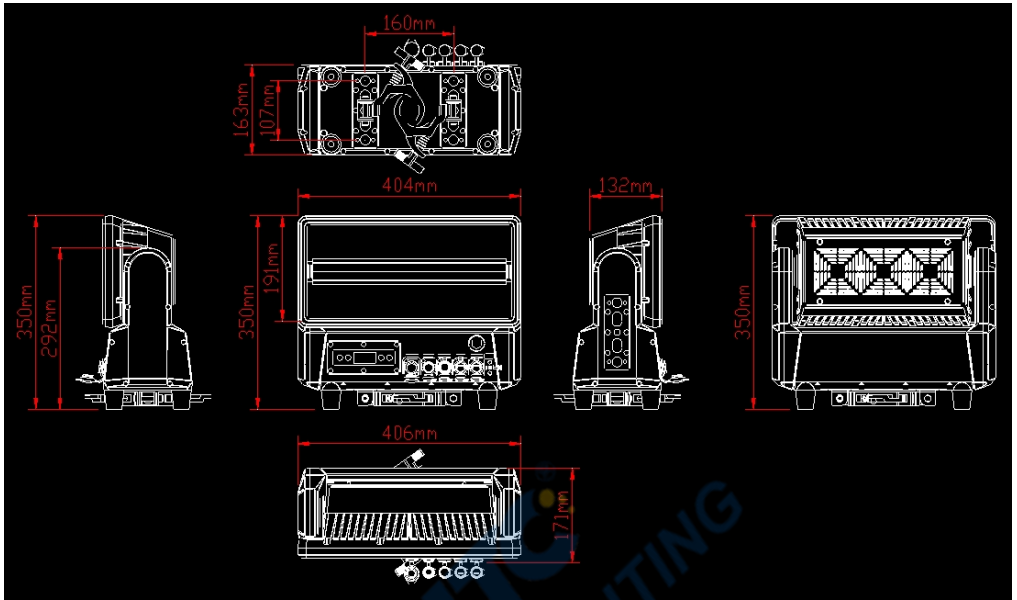
Packing Size: 404*202*350MM

Weight

Gross Weight: 12.5Kgs

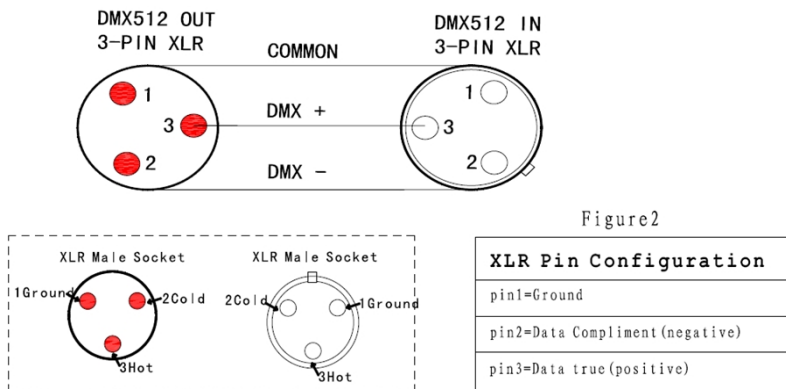
Product Dimensions

NWITC
BLUE SEA LIGHTING



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
- 4 Functions setting via LCD display panel as below:

Options	Instructions	
Protocol	DMX512	Receive dmx signal
	AUTO DMX512	Automatic dmx and network signals
	Art-Net	Art-Net
	sACN	sACN
	AUTO RUN	Auto Effect

DMX Address	001-512	Press "OK" to enter the editing state. Select the hundred digit and press the Up and Down keys to change the address code. Press "OK" again to select the ten edit. Press the "OK" key again to select a bit for editing. Press again to exit the editing state
DMX Channel	13CH/33CH	Channel Mode
Static	Tilt	Tilt adjustable
	Red	Red brightness adjust
	Green	Green brightness adjust
	Blue	Blue brightness adjust
	Lemon	Lemon brightness adjust
Tilt Calibration	Adjust the reset position of the tilt motor to make up for the error on the hardware installation. The adjustment range is -128 to +127, and +0 indicates that there is no adjustment.	
Tilt Reversal	Yes/No	Tilt Reversal movement
Dimmer Mode	Off	
	Mode 1	
	Mode 2	
	Mode 3	
Fan Mode	Auto	Fan Auto
	Open	Fan open
Display Reversal	Reversal	Display Reversal
Backlight	2 Minutes	The screen goes black for 2 minutes
	30 Seconds	The screen goes black for 30 seconds
	10 Seconds	The screen goes black for 10 seconds
	Always on	The screen keep on
Language	Chinese/English	Chinese and English switching
Key lock	Open/Off	The key lock opens and closes

Art-Net Setting	domain	Domain setting
	IP	IP setting
	subnet	Subnet setting
Info	LED temperature	Displays led temperature
	System error	The system error information is displayed
Factory Set		Press the OK key twice to restore factory Settings

4. DMX Channel Table

DMX 512 13CHs

CH	Function	Value	Effect
1	Tilt	000-255	Tilt
2	Tilt Fine	000-255	Tilt Fine
3	Dimmer	000-255	0-100% linear dimmer
4	Strobe	0-003	Close
		4-200	Strobe speed
		201-255	Random strobe
5	Red	000-255	Brightness from dark to bright
6	Green	000-255	Brightness from dark to bright
7	Blue	000-255	Brightness from dark to bright
8	Lemon	000-255	Brightness from dark to bright
9	CTO	000-009	None
		010-255	2700-10000K Every 3 values 1 color temperature
10	Marco	000-009	None
		010-049	Mixing colors
		50-255	Effects
		201-255	Color combination

11	Speed	0-255	Marco speed slow to fast
12	Reset	000-005	None
		006-255	Reset after 5s
13	Frost	000-255	DMX Frost

DMX 512 33CHs

CH	Function	Value	Effect
1	Tilt	000-255	Tilt
2	Tilt Fine	000-255	Tilt Fine
3	Dimmer	000-255	0-100% linear dimmer
4	Strobe	0-003	Close
		4-200	Strobe speed
		201-255	Random strobe
5	Red	000-255	Brightness from dark to bright
6	Green	000-255	Brightness from dark to bright
7	Blue	000-255	Brightness from dark to bright
8	Lemon	000-255	Brightness from dark to bright
9	CTO	000-009	None
		010-255	2700-10000K Every 3 values 1 color temperature
10	Marco	000-009	None
		010-049	Mixing colors
		50-255	Effects
		201-255	Color combination
11	Speed	0-255	Marco speed slow to fast
12	Reset	000-005	None
		006-255	Reset after 5s
13	Frost	000-255	DMX Frost
14	Red Group 1	000-255	Brightness from dark to bright
15	Green Group 1	000-255	Brightness from dark to bright

16	Blue Group 1	000-255	Brightness from dark to bright
17	Lemon Group 2	000-255	Brightness from dark to bright
18	Red Group 2	000-255	Brightness from dark to bright
19	Green Group 2	000-255	Brightness from dark to bright
20	Blue Group 2	000-255	Brightness from dark to bright
21	Lemon Group 2	000-255	Brightness from dark to bright
22	Red Group 3	000-255	Brightness from dark to bright
23	Green Group 3	000-255	Brightness from dark to bright
24	Blue Group 3	000-255	Brightness from dark to bright
25	Lemon Group 3	000-255	Brightness from dark to bright
26	Red Group 4	000-255	Brightness from dark to bright
27	Green Group 4	000-255	Brightness from dark to bright
28	Blue Group 4	000-255	Brightness from dark to bright
29	Lemon Group 4	000-255	Brightness from dark to bright
30	Red Group 5	000-255	Brightness from dark to bright
31	Green Group 5	000-255	Brightness from dark to bright
32	Blue Group 5	000-255	Brightness from dark to bright
33	Lemon Group 5	000-255	Brightness from dark to bright

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.**