

SL-SB720-RGB+W

48+24 Segments RGB+W LED Strobe Bar 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: 200W

Light Sources: High power 5730 240pcs 0.5W 6500K White LEDs

And High power 5050 480pcs 0.3W RGB 3in1 LEDs

Beam Angle: 120°

Control

DMX Channel: 4CH / 16CH / 168CH

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

Construction

Display: LED Display

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

Power Socket: Powercon in/out

Protection Rating: IP20

Size

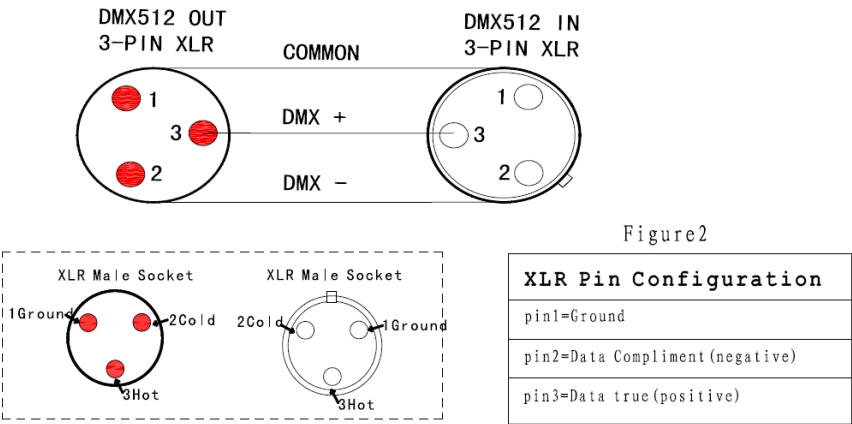
Packing Size: 970*60*70MM

Weight

Gross Weight: 3.5Kgs

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 (+)



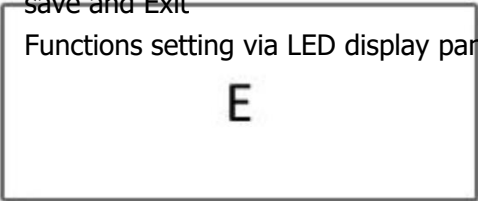
Display:

- 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 LED display panel as below



- A. MENU
- B. UP
- C. DOWN
- D. CONFIRM
- E. DIGITAL DISPLAY WINDOW

Display:

- MENU** To select the programming functions (**press to unlock screen**)
- 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:

1. Press "**MENU**" to unlock screen, then select the "**DMX Address**" and press "**ENTER**".
2. Showing "**Set DMX Address 001**", Press the "**UP** or **DOWN**" key to increase or decrease the DMX address value.
- 3 Press "**ENTER**" to save and Exit, Press "**Cancel**" does not save and Exit.

A001	➡	A512	Modify the address code (A001~A512) up or down, confirm and save,
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			default to A001.
CH04	➡	CH168	Switch up or down to ch04, ch16, and ch168, six channels, confirm to save, default to CH16.
A000	➡	A127	Up or down modification, RGB effect mode S000-S128-S255 is divided into two directions. Confirm key to save
S010	➡	S010	Modify upwards or downwards, with RGB mode speed S000-S128-S255 divided into two directions. Confirm key to save
P000	➡	P063	Up or down modification, W effect mode. Confirm key to save
S010	➡	S010	Modify upwards or downwards W mode speed. Confirm key to save
Q000	➡	Q127	Modify upwards or downwards RGB W effect mode. Confirm key to save
S010	➡	S010	Modify upwards or downwards RGBW mode speed. Confirm key to save
R255	➡	R000	Modify the brightness of the red light bead up or down (R000~R255), confirm and save, default to R255.
G255	➡	G000	Modify the brightness of the green light beads up or down (G000~G255), confirm and save, default to G255.
B255	➡	B000	Modify the brightness of the blue light beads up or down (B000~B255), confirm and save, default to B255.
W255	➡	W000	Modify the brightness of the white light beads up or down (W000~W255), confirm and save, default to W255.
T000			Display temperature, such as T045 indicating that the current lamp temperature is 45 °C; No 10K thermistor installed, displaying T000.

4. DMX Channel Table

DMX 512 4CHs

Channel	Function	Value	Description
CH1	Red	0-255	Red Dimmer
CH2	Green	0-255	Green Dimmer
CH3	Blue	0-255	Blue Dimmer
CH4	White	0-255	White Dimmer

DMX 512 16CHs




Channel	Function	Value	Description
CH1	Dimmer	0-255	Dimmer
CH2	RGB Strobe	0-255	RGB Strobe
CH3	Red	0-255	Red color from dark to bright
CH4	Green	0-255	Green color from dark to bright
CH5	Blue	0-255	Blue color from dark to bright
CH6	RGB Auto Mode	0-255	RGB Auto Mode
CH7	RGB Auto Speed	0-255	RGB auto speed from slow to fast
CH8	White Strobe	0-255	White Strobe
CH9	White	0-255	White color from dark to bright
CH10	W Auto Mode	0-255	W Auto Mode
CH11	W Auto Speed	0-255	White auto speed from slow to fast
CH12	RGBW Strobe	0-255	RGBW Strobe
CH13	RGBW Mode	0-255	RGBW Auto Mode
CH14	RGBW Speed	0-255	RGBW auto speed from slow to fast
CH15	Background Color	0-255	Background Color
CH16	Background Color Dimmer	0-255	Background Color Dimmer
CH17	White	0-255	White

DMX 512 168CHs

Channel	Function	Value	Description
CH1	Red LED 1 Segment	0-255	Red LED 1 Segment
CH2	Green LED 1 Segment	0-255	Green LED 1 Segment
CH3	Blue LED 1 Segment	0-255	Blue LED 1 Segment
CH4	Red LED 2 Segment	0-255	Red LED 2 Segment
CH5	Green LED 2 Segment	0-255	Green LED 2 Segment
CH6	Blue LED 2 Segment	0-255	Blue LED 2 Segment
CH7	Red LED 3 Segment	0-255	Red LED 3 Segment
CH8	Green LED 3 Segment	0-255	Green LED 3 Segment
CH9	Blue LED 3 Segment	0-255	Blue LED 3 Segment
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CH139	Red LED 47 Segment	0-255	Red LED 47 Segment
CH140	Green LED 47 Segment	0-255	Green LED 47 Segment
CH141	Blue LED 47 Segment	0-255	Blue LED 47 Segment
CH142	Red LED 48 Segment	0-255	Red LED 48 Segment
CH143	Green LED 48 Segment	0-255	Green LED 48 Segment
CH144	Blue LED 48 Segment	0-255	Blue LED 48 Segment
CH145	White LED 1 Segment	0-255	White LED 1 Segment
CH146	White LED 2 Segment	0-255	White LED 2 Segment
CH147	White LED 3 Segment	0-255	White LED 3 Segment
CH148	White LED 4 Segment	0-255	White LED 4 Segment
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CH165	White LED 21 Segment	0-255	White LED 21 Segment
CH166	White LED 22 Segment	0-255	White LED 22 Segment
CH167	White LED 23 Segment	0-255	White LED 23 Segment
CH168	White LED 24 Segment	0-255	White LED 24 Segment

RGB AUTO MODE




Channel Value	Mode code	RGB effect
0-1	0	No effect
2-3	1	Effect one.
4-5	2	Effect two.
6-7	3	Effect three.
... 	... 	... 
250-251	125	The effect is 125.
252-253	126	The effect is 126.
254-255	127	Mode code 1-126 cycles.

White AUTO MODE

Channel Value	Mode code	White main led effect
0-3	0	No effect
4-7	1	Effect one.
8-11	2	Effect two.
12-15	3	Effect three.

... 	... 	... 
240-243	60	Effect 60.
244-247	61	Effect 61.
248-251	62	Effect 62.
252-255	63	Mode code 1-62 cycles.

RGBW AUTO MODE

Channel Value	Mode code	RGBWMain light effect
0-1	0	No effect
2-3	1	Effect one.
4-5	2	Effect two.
6-7	3	Effect three.
... 	... 	... 
250-251	125	The effect is 125.
252-253	126	The effect is 126.
254-255	127	Mode code 1-126 cycles.

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.**