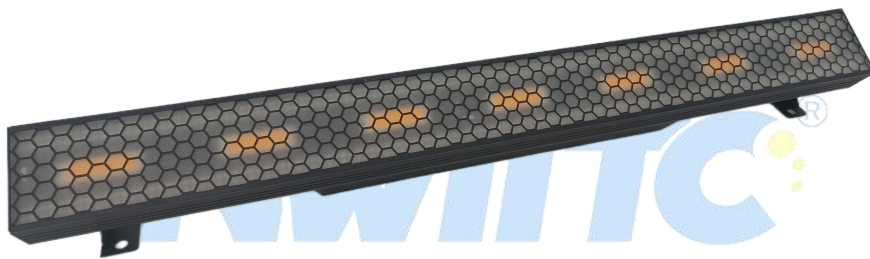

7x40W Long Retro Lamp



BLUE SEA LIGHTING

User Manual

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BLUE SEA LIGHTING

1. Notes and Installation Notes and Installation

1.1 Declaration

Thank you for choosing our company's products! This product is in perfect condition and fully packaged when it leaves the factory. To ensure your safe and effective use of this product, please carefully and completely read this user manual before using it. This manual contains important information regarding installation and usage. Please follow the instructions in the manual for installation and operation. Also, please properly keep this manual for future use. Our company does not assume any responsibility for any damage to the lamps or other performance caused by individuals not following the instructions during installation, use, or maintenance.

If there are any technical changes to this manual, no further notice will be given.

1.2 Maintenance and Care

Before conducting maintenance and servicing, please disconnect the power supply.

This lamp should be kept dry and should not be operated in a humid environment.

Intermittent use can effectively extend the lifespan of this lamp.

To achieve good ventilation and lighting effects, it is necessary to frequently clean the fan, fan mesh, and lenses.

Do not wipe the lamp housing with organic solvents such as alcohol to avoid damage.

1.3 Product Precautions

This lamp is for professional use only.

Before operation, ensure that the power voltage matches the required power voltage of the equipment.

Do not place this product in areas prone to loosening or vibration.

If the lamp shows any abnormalities during use, stop using it immediately.

To ensure the lifespan of the product, do not place it in damp or water-leaking areas, and do not operate it in an environment with a temperature exceeding 60 degrees Celsius.

When using the bulb, the voltage variation should not exceed $\pm 10\%$. If the voltage is too high, it will shorten the bulb's lifespan; if the voltage is too low, it will affect the color of the bulb.

After power off, wait for 20 minutes for the lamp to cool down completely before reactivating it.

Regularly inspect the rotating parts and attached accessories of the lamp. If they become loose or shaky, reinforce them promptly to prevent accidents.

To ensure the normal use of this product, please carefully read this manual.

- 1.1 Product Introduction
- Total Power: 350W;
- Voltage: AC 100V - 240V 50/60Hz
- Light Source: 7 x 40W A COB light source + 528 x 0.5W RGB SMD LED
- RGBW LED: 120-degree beam angle
- Average LED Lifespan: 50,000 hours
- 8 DMX Modes: 4/12/205 channels
- IP20 Protection Grade
- Display: LCD display and 4-button menu
- Data: 3-pin DMX input/output

- 180-degree Installation Bracket System
- Power Lock Power Input/Output
- 100 – 240V 50Hz/60Hz (Automatic 感应)
- Maximum Power Consumption: 300W (2.7A@120V~60Hz, 1.4A@230V~50Hz)
- Product Size: 1000x100x130mm
- Product Weight: 5.1kg

1.5 Signal Line Connection

The lamp is equipped with standard 3-core or 5-core XLR sockets for DMX input and output. Please use shielded twisted-pair signal lines specifically designed for DMX 512; the signal lines are generally connected over a distance of 150 meters. For long-distance signal transmission, a DMX512 signal amplifier must be added.

Connect one shielded twisted-pair signal line from the DMX output port of the controller to the DMX input port of the first device, then from the DMX output port of the first device to the DMX input port of the second device, and so on, until all the lamps are connected. Then, install a terminal plug on the 3-core jack at the last connection point of each link. (Weld a 4/1W, 120 Ω resistor between the 2nd and 3rd pins of the 2-pin jack with pins.)

Important reminder: The wires must not touch each other or come into contact with the metal casing.

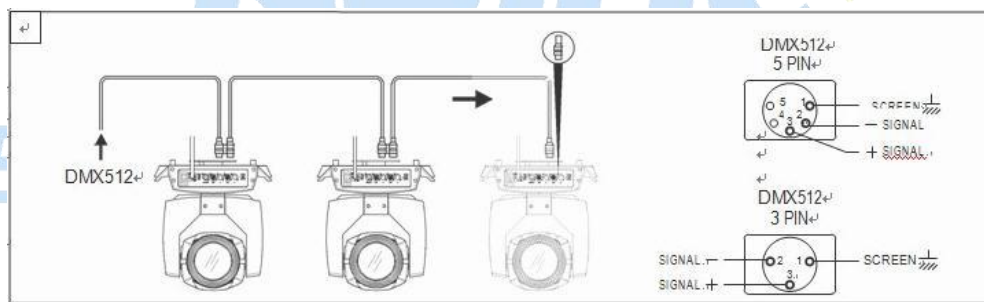


Figure 1 Diagram of DMX Signal Line Connection

Calculation Method for the Initial Address Code of the Lamp:

The initial address code of the current lamp is equal to (the initial address code of the previous lamp) + (the number of channels of the lamp).

Explanation:

1: The initial address code of the first lamp is A001.

2: The basic channel number of the controller should be greater than or equal to the total number of usage channels of the lamps.

3: Note: When using any controller, each lamp must have its own initial address code. If the initial address code of the first lamp is set as A001 and the total number of channels of the lamp is 16CH; then the initial address code of the second lamp is set as A017; the initial address code

of the third lamp is set as A033; and so on. (This setting method also needs to be determined according to different consoles)

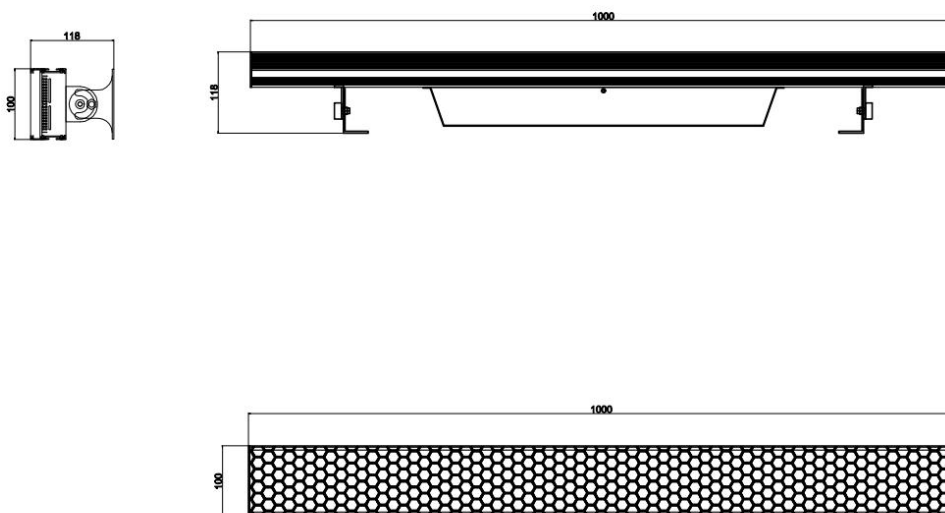
1.1 Lamp Installation

Lamps can be placed horizontally, hung at an angle, or inverted. When hanging at an angle or upside down, special attention must be paid to the installation method.

As shown in Figure 2, before positioning the lamp, it is necessary to ensure the stability of the installation location. When installing in reverse hanging mode, it is essential to ensure that the lamp does not fall off the support frame. Safety ropes should be used to assist in hanging, ensuring safety and preventing the lamp from falling or sliding.

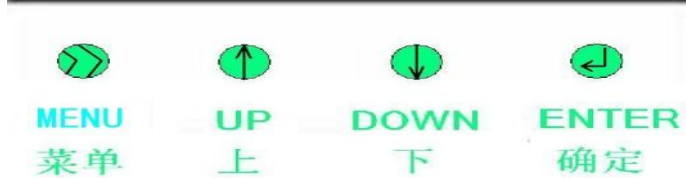
During the installation and debugging of the lamp, no one is allowed to pass under it. Regularly check if the safety ropes are worn out or if the hook screws are loose.

If any consequences occur due to unstable hanging installation, causing the lamp to fall, our company will not bear any responsibility.



1. Control Panel

2.1 Button Instructions



MENU: 菜单

ENTER: 确定

UP: 上

DOWN: 下

2.2 Menu Description

Main Menu	Submenu 1	Submenu 2	Note
Addr	D001/D512		Address code. Press the confirmation key to enter submenu 1. Use the up or down keys to select the address code, and then press the confirmation key to save the address code.
CHAL	CH4、CH12、CH205		Channel. Press "Confirm" to enter submenu 1. Use the up or down key to select the channel, and then press "Confirm" to save the channel.

AUTO	CA50	01-50	Press the confirmation key to enter the second level. Use the up or down keys to select the walking effect. Then press the confirmation key again to enter the third level. The third-level menu includes: speed from s00 to s50, color from c00 to c17. Press the confirmation key in the third-level menu to switch between speed and color and save the walking type and speed. Press the menu key to return to the second-level menu.
	CB50	01-50	
	CC50	01-50	
	CD50	01-50	
	CE50	01-50	
	CF50	01-50	
	CG50	01-50	
	CH50	01-50	
	CJ50	01-50	
SOUD	S001-S099		Voice control mode
STAT	r000	r000-r255	Red manual dimming
	g000	g000-g255	Green manual dimming
	b000	b000-b255	Blue manual dimming
	w000	w000-w255	Amber manual dimming
	t000	t000-b255	Stroboscopic effect
Rest	On/Off		factory data reset

2. Channel Function

3.1 Channel Table

CH4	Channel value	Basic functions
1	000-255	R light bulb dimming function
2	000-255	G light bulb dimming function
3	000-255	B light bulb dimming function
4	000-255	A light bulb dimming function

CH12	Channel value	Basic functions
1	000-255	General dimming control
2	000-255	Stroboscopic effect
3	000-255	Color bar
4	000-255	Effect: 255 indicates voice control.

5	000-255	Speed
6	000-255	The Amber lights flash rapidly.
7	000-255	Amber light effect
8	000-255	Amber light speed
9	000-255	R light bulb dimming
10	000-255	G light bulb dimming
11	000-255	B light bulb dimming
12	000-255	A light bulb dimming

CH205	Channel value	Basic functions
1	000-255	R Section 1: Linear dimming of red light bulbs
2	000-255	G Section 1: Linear dimming of green light bulbs
3	000-255	B Section 1: Linear dimming of blue light bulbs
... 	... 	... 
196	000-255	Paragraph 66: Red LED linear dimming light strip
197	000-255	Paragraph 66: Linear dimming of green light bulbs
198	000-255	Paragraph 66: Linear dimming of Blue light bulbs
199	000-255	Paragraph 66: Linear dimming of Amber light bulbs
... 	... 	... 
205	000-255	Section 7: Linear dimming of Amber light bulbs

Common faults

For some common faults, corresponding solutions have been proposed. Any problems that cannot be solved should be handled by professionals. Before maintaining the lamps, please disconnect the power supply first.

1. The light source is not bright.

Check if the voltage that matches the lamp is installed;

Check if the connection point of the lamp's power supply or the control switch is not in good contact;

Check if the power supply is insufficient;

Check if the DMX512 controller has sent the command.

2. After the lamp is reset normally, it does not accept control from the console.

Check if the digital startup address value and function options are correct;

Check if the connection of the communication control lines is correct, if the communication lines are too long or have been interrupted;

Check if the control equipment is faulty, and check if the signal amplifier connected in series is faulty;

Check if the communication lines are too long or if there is interference from other devices;

Optimize the wiring, shorten the length of the control signal lines, separate the high-voltage and low-voltage lines;

Add a signal amplifier;

Use high-quality shielded twisted-pair cables for the signal lines;

Connect a signal terminal resistor (120 ohms) at the end of the lamp.

3. The lamp cannot be activated

Check if the power supply parameters of the lamp are consistent with those of the power supply;

Check if the lamp has contact failure or detachment due to squeezing deformation, internal part vibration, or moisture during long-distance transportation.

Please check if the internal wiring connectors of the lamp are loose or disengaged.

Check if the electronic components of the lamp (such as electronic transformers, PCB boards, motor control boards, etc.) have any phenomena of loosening, short circuiting, or burning out.