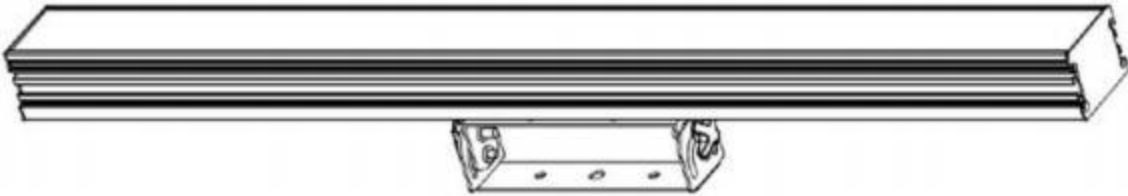


# S864

## User Manual



**prompt**

Please read this safety rule carefully before use.

After the equipment has been transported to the destination of use, please carefully open the package and take out the equipment. If you find any defects, you should immediately contact the shipping company and complain according to the defect. Confirm that this equipment is intact when it leaves the factory.

Please check whether the received equipment matches the goods registered in the freight bill, and whether the goods registered in the freight bill match

The goods you ordered are consistent, if not, please contact your supplier immediately.

**Overview**

This lamp is specially designed for indoor and outdoor performances and professional lighting equipment used in night bars. It is a lamp with super high brightness and excellent flashing effect.

Do not open the case when this equipment is in operation to avoid electric shock.

Obvious defects are found in the glass lens, the lens should be replaced immediately and its power should be reduced, such as deep cracks or scratches. The luminous body is damaged or distorted after high heat and should be replaced immediately. If you need to perform inspection, maintenance, repair and other operations inside the lamps, they should be handed over to professionals.

In the event of an accident, unplug the power cord before opening the lamp housing.

The user should operate within the scope of the specified use of this equipment, and check whether the wiring of the equipment is correctly connected. Please do not place the lamp in a changeable and harsh environment.

The manufacturer shall not be liable for damage caused by unauthorized replacement of other types of light sources.

This lamp is a kind of professional equipment. Although the improved design is simple and convenient to operate, it still needs professional installation and maintenance.

**Point**

The power cord and other connecting devices are very important to the equipment, and their reasonable arrangement leads to the safe and convenient use of the equipment.

When unplugging and plugging in the power supply, you must hold the plug and pull it out. Do not pull the power cord directly.

Do not use the power cord in harsh environments. It should be tested before installation, and periodic testing should be maintained after installation. Do not tie the power cord and other signal lines together to prevent confusion.

Power connection

This lamp adapts to the normal voltage of 230V. For the safety of users, the ground wire (yellow-green) must be kept grounded.

**ATTENTION:**



**LETHAL VOLTAGE PRESENT INSIDE**

First of all, thank you for choosing our company's product. Please read this instruction manual carefully and completely, and keep it in a safe place for reference during use. This manual contains important information about the installation and use of this product. Please strictly abide by these related instructions during installation and use.

This lamp is made of die-cast aluminum profile shells combined with each other, beautiful in appearance, smooth and strong, which fully embodies the characteristics of modern lighting products. The products are designed and produced according to strict standards and fully comply with the international standard DMX512 protocol. It can be controlled by a single unit or linked to each other. It is suitable for large-scale theatrical performances, indoor and outdoor activities, bars and nightclubs.

There are high-precision accessories inside the lamp. When you receive the product, please take care of it, and check whether the product may be damaged due to transportation.

#### Powerful Strobe Bar LED 864

If the product has gone through a large temperature difference (for example, after transportation), do not start the product immediately

The product will be damaged due to thermal expansion and contraction. Please wait until the device reaches normal room temperature before starting the product.

Pay attention to shocks. Avoid strong collisions during product installation.

Please do not lift the entire product by the lamp cap, because the mechanical properties of the equipment may be damaged.

When choosing an installation location, make sure that the product is not exposed to excessive heat, humidity or dust. Please try not to put any wires on the ground, and do a good job of waterproofing, otherwise you may suffer the danger of electric shock.

Before installing the product, make sure that the installation point is safe.

If you need to hang the product, please tie the product with a safety rope, and check whether all the screws are correct during installation

Please make sure the glass is in good condition. When the glass is damaged or scratched, please replace the glass.

It is recommended that technicians familiar with this product operate this product. Non-technical personnel are forbidden to operate this equipment, because many losses are the result of non-professional operation.

Please keep the packing materials properly in case you need to carry out the second transportation.

If there is no guidance from the manufacturer or distributor, please do not modify the product without authorization.

Any equipment failure caused by the operation and use of this equipment not in accordance with the provisions of the manual is not covered by the warranty. And any damage caused by short circuit, injury, electric shock, ultraviolet rays, etc. caused by this is not covered by the warranty.

#### 4. Product hanging and installation

Note: For more safety, please hang and install this product away from aisles, seating areas, or areas within reach of people.

Before hanging the product, make sure that the installation point can bear 10 times the weight of the product.

The product installation must have double protection devices, such as safety ropes.

When hanging, removing or repairing this product, it is forbidden to stand under the installation point

**Technical Parameters**

Voltage: AC100~240V 50/60HZ  
 LED: 864 RGB three-in-one 5050SMD  
 Pixel distribution: 5 segments 16 RGB pixel distribution  
 Channel: 3/9/162/168CH  
 Control mode: DMX512, self-propelled, master-slave, RDM  
 Dimming: 32bit 0~100% linear dimming  
 Strobe : 1~30HZ  
 Two lamps can be joined  
 Net weight: 5KG  
 Size: 100x8x13cm

**Features:**

The appearance is simple and atmospheric, the lamp beads are composed of 864 RGB three-in-one 5050SMD, which can be divided into 54 segments and 16 sets of independent control. There are as many as 254 built-in effects, rich and diverse, convenient and simple, and can be directly called, 32Bit linear dimming, with RDM function, The stroboscopic frequency 1-30HZ software can monitor the lamp bead temperature in real time and prolong the service life of the LED. Two lamps can be seamlessly spliced

**Display panel 显示面板**



After powering on, press the menu button, and the menu function table will appear in sequence; the up or down button to modify the function parameters, and the confirm button to save the current functions and parameters (after saving, it will have power-off memory).

通电开机后按菜单键，依次出现菜单功能表；向上或向下键修改功能参数，确认键保存当前功能和参数（保存后具备掉电记忆）。

**Menu function table 菜单功能表**

A001	➡	A512	Modify the address code up or down (A001~A512), confirm to save
C003	➡	C102	Switch up or down the four channels of C003, C009, C162, C168, confirm key to save
M000	➡	M253	Switch the built-in effect up or down, confirm to save
C000	➡	C007	C000~C006 changes a value every time it is a color, and C007 automatically selects the seven colors from C000~C006 in front.
S000	➡	S255	Up or down to modify the operating speed of the built-in effect (S000~S255), confirm to save

R255	➡	R000	Modify the brightness of the red lamp bead up or down (R000~R255), and confirm to save
G255	➡	G000	Modify the brightness of the green lamp bead up or down (G000~G255), confirm to save
B255	➡	B000	Modify the brightness of the blue lamp bead up or down (B000~B255), confirm to save
T000			Display temperature. For example, T045 means that the current lamp temperature is 45℃; if 10K thermistor is not installed, T000 is displayed.

### Channel

After power on, all lamps and lanterns address codes are set up, connect all lamps and lanterns in parallel to the DMX512 console with a three-core signal line, the address codes will stop flashing, indicating that the DMX512 console signal has been sent to the lamps, and use DMX512 console control according to the description of each channel Related functions.

#### 3Channel

CH	Value	Function
1	000-255	R
2	000-255	G
3	000-255	B

#### 9Channel

CH	Value	Function
1	000-255	ALL Dimmer
2	000-255	Strobe
3	000-255	Macro Effect 1 (Only available when the macro effect 2 channel value is 0~1)
4	000-255	Macro Effect 2 (Macro effect 2, enjoys priority, that is, when macro effect 2 is used, macro effect 1 is not available.)
5	000-255	Colour
6	000-255	Speed
7	000-255	R
8	000-255	G
9	000-255	B

#### 162Channel

CH	Value	Function
1	000-255	R1
2	000-255	G1
3	000-255	B1
...	...	...
160	000-255	R54
161	000-255	G54

162	000-255	B54
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**168Channel**

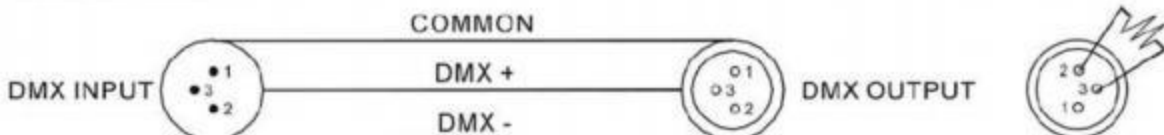
CH	Value	Function
1	000-255	ALL Dimmer
2	000-255	Strobe
3	000-255	Macro Effect 1 (Only available when the macro effect 2 channel value is 0~1)
4	000-255	Macro Effect 2 (Macro effect 2, enjoys priority, that is, when macro effect 2 is used, macro effect 1 is not available.)
5	000-255	Colour
6	000-255	Speed
7	000-255	R1
8	000-255	G1
9	000-255	B1
...	...	...
166	000-255	R54
167	000-255	G54
168	000-255	B54

**Master and slave control**

Two or more of the same lamps are connected with DMX three-core signal line, the lamp is set to any address code A001~A512, any one is set as the master, the other lamps are the slaves, all the slaves' displays do not flash; use self-propelled In effect, all slaves also have a self-propelled effect. Special attention: 1. Only one host can be set for a group of lamps. If there are more than one host, all lamps will flash randomly.

2. All lamps and lanterns must be the master and slave when the DMX512 consde is turned off.

**DMX connection**



DMX512 is widely used in lamp control, and can control up to 512 channels

On the last luminaire, a terminator is required for the DMX signal line. Solder a 120 Ω, 1/4W resistor between pin2 and pin3, install it into the 3-pin XLR plug and plug it into the DMX output port of the last

lamp.

Use the XLR signal cable to connect the lamp, one end to the output port of the lamp, and the other end to the output port of the next lamp. The XLR signal cable can only be used in series, not parallel.

DMX512 signal transmission speed is very fast. Damage to the signal line, weak welding, poor contact, etc., will affect signal transmission and cause the system to shut down.

When the power supply of a certain lamp is cut off, the connection of DMX output and input is bypassed, so that the connection of DMX line can be maintained.

Each lamp needs an address code, which can receive the information sent by the console, ranging from 0 to 512. The terminal of the system needs to be equipped with a terminator to reduce signal transmission errors.

### **Safety introduction and product maintenance**

1. The power connection must be made by professionals.
2. Make sure that the use voltage is not higher or lower than the specified value in the instruction manual.
3. Confirm that the power cord is not cut or damaged by a sharp blade.
4. Be sure to disconnect the power supply when the lamp is not in use or before cleaning.
5. Only the plug is allowed to connect the power cord. When pulling out the plug, please do not pull the power cord forcibly.
6. Be careful when installing the lamps and avoid touching the bare wires, otherwise you will suffer a fatal electric shock.
7. Please do not look directly at the light source when the lamp is in use, otherwise your eyes will be hurt.
8. When choosing the installation location, please ensure that the lamp is not exposed to extreme heat, humidity or dust. The distance between the lamp and the illuminated object must exceed 0.5 meters. Make sure that there are no flammable and explosive materials within 0.5 meters.
9. Please use proper and safe wires to connect the lamps.
10. Please operate after familiarizing with the function of the lamp. Most of the damage to the lamps is caused by improper operation, so non-professionals are not allowed to operate the lamps. Do not shake the lamp at will, and do not operate it roughly.
11. Please do not modify the lamp at will. Doing so may cause short circuit, burning, electric shock, etc., and cause malfunction and damage of the lamp. The manufacturer does not provide warranty