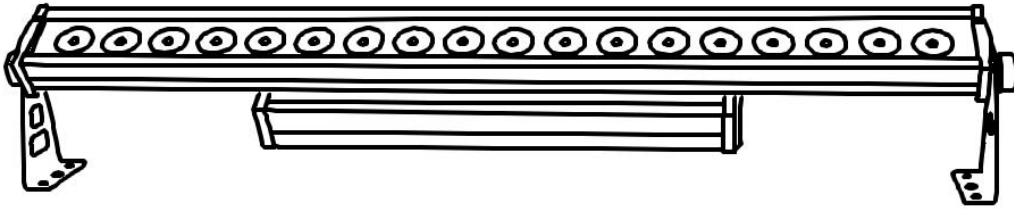


# Outdoor Pixel Washer LED



**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 a professional lighting equipment designed for indoor and outdoor performances, architectural lighting, etc. It is a wall washer and can be used as a lighting control lamp. The wires marked as ground must be grounded.

Do not open the casing while this equipment is in operation to avoid electric shock.

Obvious defects are found in the glass lens, and the lens should be replaced immediately and its power should be reduced, such as deep cracks or scratches. The luminous body should be replaced immediately if it is damaged or distorted after high heat. When it is necessary to conduct inspection, maintenance, repair and other operations inside the lamp, it 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 don't place the lamp in a changeable and harsh environment.

The manufacturer is not 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 or 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 properly for reference during use. This manual contains important information about the installation and use of this product. Please strictly follow these related instructions during installation and use.

The lamp is made of die-cast aluminum shells combined with each other, beautiful in appearance, smooth and strong, which fully reflects 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. They can be controlled by a single unit or linked to each other. They are suitable for large-scale theatrical performances, indoor and outdoor activities, architectural landscape lighting and other places.

Benchengjie lamps use high-precision accessories. When you receive the product, please take care of it and check whether the product may be damaged due to transportation. And check the following accessories:

1. Lamps-1 PCS
2. Power cord ---- 1PCS
3. Signal line --- 1PCS
4. Instructions --- 1 PCS

This product is a professional point-controlled wall washer.

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

#### Features

The lamp beads of this product adopt high-brightness four-in-one lamp beads, which have full color, pure color mixing, high brightness, long life, low light decay, no flicker, and single-point control. Built-in dozens of effect programs, with sound control auto-propelled mode.

The wire adopts high temperature resistant and antifreeze wire, which will not become dust after a period of time.

The lamp shell adopts the most abundant aluminum material and die-cast aluminum shell on the market, so that the whole lamp has better heat dissipation conditions, more resistant to fall, and not easy to deform and damage

The electronic components of the power supply and the motherboard are well-known domestic electronic components, which ensure the core quality of the entire lamp and greatly reduce the failure rate

#### technical parameter

Outdoor Pixel Washer LED

Input voltage: AC110-240V 50 / 60Hz

LED light source: 18PCS10W RGBW four-in-one high-brightness lamp beads

Channel mode: 4/8/72 CH

Control mode: DMX512, master/slave, self-propelled, voice control,RDM

Dimming mode: linear dimming

Lens angle: 15°

Each lamp bead can be controlled independently, with rich flow effects built in

Waterproof rating: IP65

Net weight: 5.6KG

Light size: 100x9x12cm

#### Dimensions



### Menu operation instructions

A001	➡	A512	Modify the address code (A001~A512) up or down, and save with the confirm key. The default is A001.
CH05	➡	CH90	Switch CH04, CH08, CH72 up or down, confirm to save, the default is CH08.
M000	➡	M126	Modify the built-in effect up or down and save with the confirm key. The default is M000
S000	➡	S255	Modify the running speed of the built-in effect (S000~S255) up or down, and save with the confirm key. The default is S000
R255	➡	R000	Modify the brightness of the red lamp bead up or down (R000~R255), and save with the confirm key. The default is R255.
G255	➡	G000	Modify the brightness of the green lamp bead up or down (G000~G255), confirm to save, and the default is G255
B255	➡	B000	Modify the brightness of the blue lamp bead up or down (B000~B255), confirm to save, and the default is B255.
W255	➡	W000	Up or down to modify the brightness of the white lamp beads (W000~W255), confirm to save, the default is W255
T000			Display temperature. For example, T045 means that the current lamp temperature is 45°C; if 10K thermistor is not installed, T000 is displayed.

### master and slave control

Two or more identical lamps are connected by DMX three-core signal line, all lamps are set to any address code A001~A512, any one is set as the master, and the other lamps are slaves; use the master to adjust the gradient, pulse change, and jump. When changing and self-propelled effects, all slaves will be synchronized with gradual change, pulse change, jump, and self-propelled effects.

Special attention: 1. Only one host can be set for a group of lamps. If there are more than one host, all the lamps will flash randomly and not be synchronized.

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

### Channel

#### 4 channel mode

NO	Function	illustrate
1	red	Red from dark to bright
2	green	Green from dark to bright
3	blue	Blue from dark to bright
4	white	White from dark to bright

#### 8 channel mode

NO	Function	illustrate
1	dimmer	Total dimming, from dark to bright.
2	strobe	From slow to fast
3	Built-in effects	One effect between each value
4	Effect speed	Speed from slow to fast
5	red	Red from dark to bright

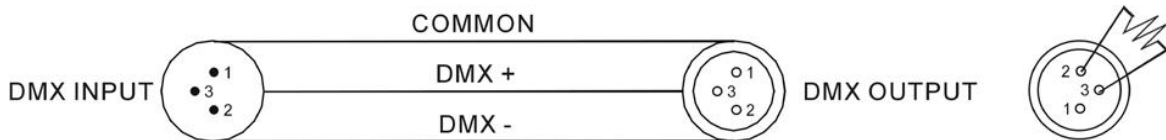
6	green	Green from dark to bright
7	blue	Blue from dark to bright
8	white	White from dark to bright

**72 channel mode**

NO	Function	illustrate
1	1red	Red from dark to bright
2	1green	Green from dark to bright
3	1 藍 blue	Blue from dark to bright
4	1 白 white	White from dark to bright
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
69	18red	Red from dark to bright
70	18green	Green from dark to bright
71	18blue	Blue from dark to bright
72	18white	White from dark to bright

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

**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 120Ω, 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