# LED Outdoor Wall Washer

# 18x10W RGBW 4in1 LED

## USER MANUAL

Thank you very much for choosing our product. For safety purpose, please read this manual carefully before your operation. This manual included installation and using information. Please install and operate it according to this manual.

# Part 1 Product

## 1.1 Product introduction

This product is designed for indoor use. Suitable applications include wash or effect lighting for architectural, stage or nightclub applications. This product can also be installed for use in signage and advertising using the dynamic functions available with DMX512 control. Direct input of DMX512 signal allows the units to be controlled from any DMX512 controller. This product can be operated as a single unit or in multiple units for large applications.

## 1.2 Technical Specifications

**Voltage:** AC100-240V, 50/60Hz
**Power:** 220W
**Light Source:** 18X10W RGBW 4in1 LED
**Lifespan:** around 100,000 hours
**Control:** DMX 512, 8/4 channels
**Control mode:** DMX 512, Auto mode, Master/Slave, Sound active
**Beam angle:** 25°
**IP Rating:** IP65
**Net Weight:** 9Kg

## 1.3 Safety Warning

**IMPORTANT:**

> ALWAYS READ THE USER MANUAL BEFORE OPERATION. PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.

● This product must be installed by a qualified professional.
● Always operate the equipment as described in the user manual.
● A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
● The product must always be placed in a well ventilated area.
● Always make sure that the equipment is installed securely.
● DO NOT stand close to the equipment and stare directly into the LED light source.
● Always disconnect the power supply before attempting and maintenance.
● Always make sure that the supporting structure is solid and can support the combined weight of the products.
● The earth wire must always be connected to the ground.
● Do not touch the power cables if your hands are wet.

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## ATTENTION:

● This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.

● Avoid shaking or strong impacts to any part of the equipment.

● Make sure that all parts of the equipment are kept clean and free of dust.

● Always make sure that the power connections are connected correct and secure.

● If there is any malfunction of the equipment, contact your distributor immediately.

● When transferring the product, it is advisable to use the original packaging in which the product left the factory.

● Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.

● The lamp (LED) shall be changed if it has become damaged or thermally deformed.

# PART 2 INSTALLATION

## 2.1 Mounting:

### 2.1-1 Hanging

The product can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit a safety cable should also be used

### 2.1-2 Upright

The product can be mounted in an upright or sitting position using the supporting brackets.

**NOTE:**

The product can be mounted at any angle and in any position. It is possible to further adjust the angle of the product using the two adjustment knobs located on the side of the fixture.

## 2.2 Special construction for DMX connection.

☆ At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.
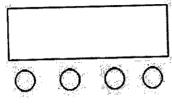
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☆ If the controller is 5-pin output, it's necessary to use an adaptor to transfer signal from 5-pin output to 3-pin XLR-plug or you can connect cables as following:

### 3-PIN TO 5-PIN CONRERSION CHART

| Conductor | 3 Pin Female (Output) | 5 Pin Male (Input) |
|---|---|---|
| Ground/Shiele | Pin 1 | Pin 1 |
| Data (-) signal | Pin 2 | Pin 2 |
| Data (+) signal | Pin 3 | Pin 3 |
| Not used | | Pin 4 |
| Not used | | Pin 5 |

# PART 3 Display Panel Operation

## 3.1 Display panel menu instruction



MODE    UP    DOWN    ENTER

[MODE] menu selection or return to previous menu.

[UP] press [UP] through the menu list to increase/change the value of the current function.

[DOWN] press [DOWN] through the menu list to decrease/change the value of the current function.

[ENTER] confirm & quit out current function setting.

## 3.2 Display panel operation instruction

| No. | Display | Function Instruction |
|---|---|---|
| 1 | A001 | 8 Channels (001-512), adjust DMX address by UP or DOWN |
| 1 | D001 | 4 Channels （001—512） adjust DMX address by UP or DOWN |
| 2 | CC 00 | 7 Colors change fast, Speed adjustable by UP or DOWN. (01-99) |
| 3 | CP 00 | 7 Colors pulse change,gradual change. Speed adjustable by UP or DOWN (01-99) |
| 4 | DE 00 | 7 Colors combination change, Speed adjustable by UP or DOWN button(01-99) |
| 6 | R225 | Red        Current adjustment |
| 7 | G225 | Green     Current adjustment |
| 8 | B225 | Blue        Current adjustment |
| 9 | W225 | White      Current adjustment |

## 3.3 DMX Channel instruction
## 8 Channels Mode

| CH | Function | Function Instruction |
|---|---|---|
| CH1 | Master Dimmer | Red,green,blue,white,amber, uv linear 0%-100% dimmer, from dark to bright |
| CH2 | Master Strobe | Red,green,blue,white,amber,    uv    strobe,from slow<br>to fast |
| CH3 | Function | 0-50: DMX 8 CHs control<br>51-100: color change fast<br>101-150: color gradual<br>151-200: color pulse<br>201--255: No function |
| CH4 | Speed control | Speed control ,from slow to fast |

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| CH5 | Red Dimmer | Red dimmer, linear 0%-100% |
| CH6 | Green Dimmer | Green dimmer, linear 0%-100% |
| CH7 | Blue Dimmer | Blue dimmer, linear 0%-100% |
| CH8 | White Dimmer | White dimmer, linear 0%-100% |

### 4 Channels Mode

| CH | Function | Function Instruction |
|-----|--------------|-------------------------------|
| CH1 | Red Dimmer | Red dimmer, linear 0%-100% |
| CH2 | Green Dimmer | Green dimmer, linear 0%-100% |
| CH3 | Blue Dimmer | Blue dimmer, linear 0%-100% |
| CH4 | White Dimmer | White dimmer, linear 0%-100% |

# Part 4 Maintenance

The cleaning of internal 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 fixture'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 – Up to vary products.
Please ask professional technical to clean waterproof products and make sure the fixture will be reassembled well for waterproof.