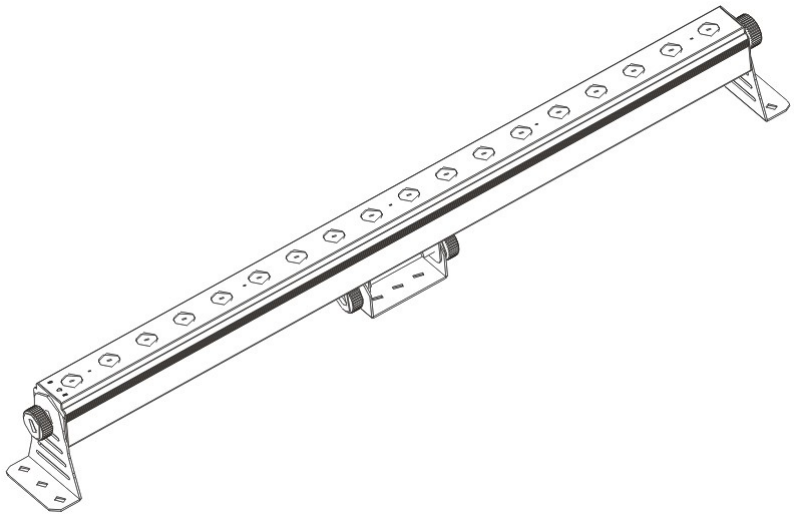
Equinox

UV Power Batten



User Manual

Order code: EQLED030

CONTENTS

1. Safety Instructions

2. Technical Specifications

3. How to set the Unit

4. How To Control The Unit

5. Troubleshooting

6. Fixture Cleaning

1. Safety Instructions

Please read the instructions carefully as they include important information about installation, usage and maintenance.

WARNING

● Please keep this User Guide for future consultation. If you sell the unit to another user be sure that they also receive this.

Unpack and check carefully that there is no transportation damage before using the unit.

- Before operating, ensure that the voltage and frequency of the 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 is for indoor use only. Use only in a dry location.
- 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 the mains power before replacement or servicing.
- Make sure there are no flammable materials close to the unit while operating as they may cause a fire hazard.
- Always use a safety cable when installing this unit.
- The maximum ambient temperature is: 40℃. Don't operate it where the temperature is higher than this.
- In the event of a 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 power cables during operation as the high voltage may cause an 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 and lenses must be replaced if they are visibly damaged.
- Warning! Risk Group 2 LED product according to EN 62471. Keep a distance of at least 11feet (3.3m) to avoid direct eye and skin exposure. Do not operate the fixture if the external cover protective lens is damaged or missing. Avoid direct viewing of the UV light and refrain from using optical instruments or any device that may concentrate the light/radiation output. We advise users to take necessary precautions to minimise direct exposure to UV radiation and individuals suffering from a range of eye conditions, sun-light exposure disorders, or individuals using photosen-sitive medication, may receive discomfort if exposed to the ultraviolet (UV) light emitted from this fixture.

Installation

The unit should be mounted via its screw holes onto the brackets. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Make sure that the structure to which you are attaching the unit to is secure and is able to support a weight of 10 times of the unit's weight. Always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.
The equipment must be installed by professionals and it must be installed in a place where is out of the reach of people and no one can pass by or under it.

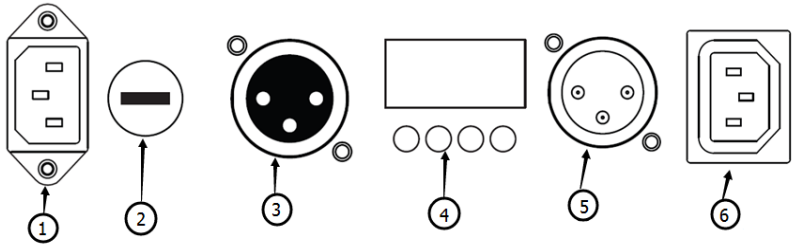
2. Features &Technical Specifications

◇ Die-cast Aluminum casing
◇ Control: Sound active, Master/slave, Static and DMX-512 modes
◇ DMX Channels: 1CH/2CH
◇ Beam angle: 40°
◇ 4 push button menu with LED display

Voltage: AC100-240V 50/60Hz
Fuse: T2.5A 250V
Power Consumption: 64W
Light source: 18pcs x 3W UV LEDs
Dimensions: 1000 x 61 x 113mm
Weight: 3.3KG
Power socket: IEC IN/OUT
XLR sockets: 3-pin XLR IN/OUT

3. How to set the Unit

3.1 Control Panel



1- IEC Power input 2-Fuse 3- DMX input
4- LED display 5- DMX output 6- IEC Power output

Buttons function of display

MENU	Selects the programming functions
DOWN	To go backward in the selected functions
UP	To go forward in the selected functions
ENTER	Confirms the selected functions

Led display menu

Static mode	STAT	CU 00~99(Dimmer) CF 00~99(Strobe speed)
Sound	SU00	SU 00~99
Slave mode	SLAV	SLAV
Channel Mode	1CH/2CH	1 channel mode 2 channel mode
DMX Address	A001	A001 – A512 A008

3.2 Main Functions

To select any of the given functions, press the **MENU** button up to where the required function is showing on the display. Select the function by pressing the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to change the mode. Once the required mode has been selected, press the **ENTER** button to confirm. To go back to the functions without any changes, press the **MENU** button again.

StAt Static Mode (Dimmer & Strobe)

Press the **MENU** button to select StAt Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to select the Cu00 (Cu00-99 for dimmer) or CF00 (CF 00-99 for strobe) mode. Once the mode has been selected, press the **ENTER** button to confirm. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for one second or wait for one minute to go back to the main menu.

SU00 Sound Mode

Press the **MENU** button to select SU00. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to select the (0-99) mode. Once the mode has been selected, press the **ENTER** button to confirm. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for one second or wait for one minute to go back to the main menu.

SLAV Slave mode

Press the **MENU** button to select SLAV. Press the **ENTER** button and the unit will run a self-test with its built-in programs. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for one second or wait for one minute to go back to the main menu

Channel Mode Selection

Press the **MENU** button to select 1Ch or 2Ch on the display. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to select the 1Ch(1 Channel) mode, 2Ch (2Channel) mode. Once the mode has been selected, press the **ENTER** button to confirm. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for one second or wait for one minute to go back to the main menu.

Channel	Function	Value
1CH	Dimmer	000 - 255 0-100%

DMX Address Setting

Press the **MENU** button to select A008. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to choose the address (A001-A512) Once the address has been selected, press the **ENTER** button to confirm. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for one second or wait for one minute to go back to the main menu.

Channel	Function	Value
1CH	Dimmer	000 - 255 0-100%
2CH	Strobe	000 - 255 0-100%

4. How To Control The Unit

1. Master/slave built-in preprogram function
2. Universal DMX controller

There is no need to turn the unit off when you change the DMX address as new DMX address setting will take effect at once

4.2 DMX Controller

By using a universal DMX controller to control the units, you will need to set a DMX address from 1 to 512 so that the units can receive a DMX signal. Press the **MENU** button until A008 is showing on the display. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to change the DMX-512 address. Once the address has been selected, press the **ENTER** button to confirm. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button one second or wait for one minute to go back to the main menu.

Please refer to the below diagram to address your first 4 units：

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
1 channel	1	2	3	4
2 channel	1	3	5	7

4.3 DMX 512 Configuration

1 CHANNEL MODE

2 CHANNEL MODE

5.Troubleshooting

Following are a few common problems that may occur during operation and some suggestions for easy troubleshooting:

A. The unit does not work, no light output

1. Check the connection of the power and the main fuse.

B. Not responding to DMX controller

1. Check DMX cables to see if linked correctly.
2. If the DMX address is showing but no response to the controller, check the address settings and DMX polarity.
3. Try another DMX controller.

C. No response to the sound

1. Make sure the unit is not receiving a DMX signal.
2. Check the microphone to see if it is good by tapping it. The microphone is

located on the back plate of the unit.

6. Fixture Cleaning

The cleaning of external optical lenses 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 a greater accumulation of dirt on the unit’s optics. Clean with a soft cloth using normal glass cleaning fluid or mild soapy water.

- Always dry the parts carefully.
- Clean the external optics at least every 20 days.