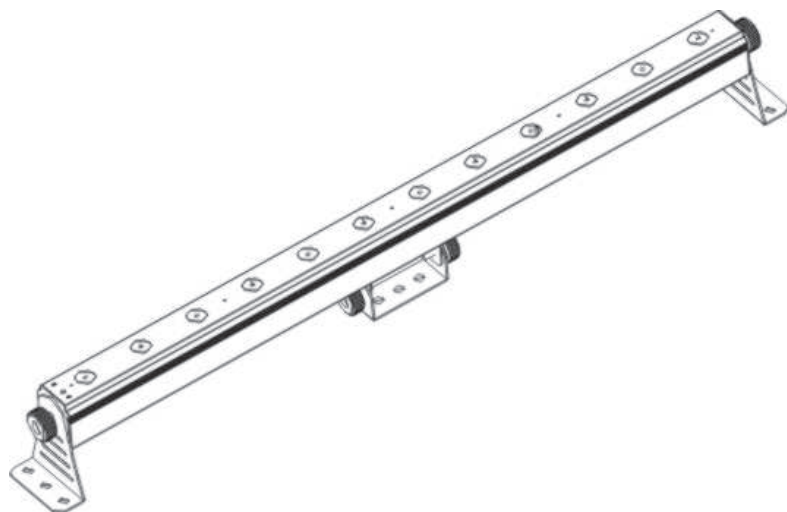


# Equinox Tri Power Batten



**User Manual**

**Order codes: EQLED031**

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## 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. Do not carry the unit with its head only, always carry it using the base.
- The maximum ambient temperature is: 40°C. 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.

### Installation

The unit should be mounted via its screw holes onto the bracket. 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. Technical Specifications

### Features

- Die-cast Aluminum casing
- Control: Sound active, Auto, Master/slave and DMX 512 modes
- DMX Channels: 3CH/6CH
- Optional CA-8 Easy remote control
- Optional IR Remote (LEDJ90B)
- Electronic dimming 0-100% and variable strobe
- Beam angle: 40°
- 4 push button menu with LED display

Voltage: AC100-240V 50/60Hz

Fuse: T2.5A

Power Consumption: 74W

Light source: 12pcs x 3W tri-colour LEDs

Dimensions: 1000 x 61 x 113mm

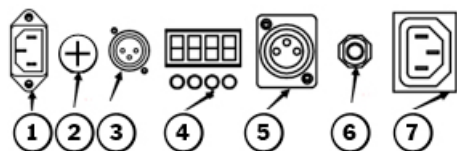
Weight: 2.8KG

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- Menu & Display  
5- DMX Output, 6- Remote Control, 7- IEC 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

Colour Mixing mode	COLO	CR 00~99(Red) CG 00~99(Green) CB 00~99(Blue) CF 00~99(RGB Full on)
Static Colours	CM01	CM 00~07
Jump mode	JUMP	JU 00~99 <input type="text" value="JU00"/> JF 00~99 <input type="text" value="JF00"/>
Fade mode	FADE	FA 00~99 <input type="text" value="FA00"/> FF 00~99 <input type="text" value="FF00"/>
AUTO	AUTO	
Slave mode	SLAV	<input type="text" value="SLAV"/>
Sound	SU00	SU 00~99 Sensitivity
Channel Mode	3CH/6CH	3 channel mode 6 channel mode
DMX Address	A001	A001 – A512 <input type="text" value="A001"/>

### 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. Press and hold the **MENU** button for one second or wait for one minute to go back to the main menu.

#### Color Mode

Press the **MENU** button to select  Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to select the  (CR00-99) or  (CG00-99) or  (Cb00-99) or  (CF 00-99) 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.

#### Colour mixing Mode

Press the **MENU** button to select . Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to choose the  (CM00-07) 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.

#### Jump Mode

Press the **MENU** button to select  Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to select the  (JU00-99) or  (JF00-99) 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.

## **Fade** Fade Mode

Press the **MENU** button to select **Fade**. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to select the **FA00**(FA00-99) or **FF00**(FF00-99) 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.

## **Auto** Auto Mode

Press the **MENU** button to select **Auto**. 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.

## **Slave** Slave mode

Press the **MENU** button to select **Slave**. 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.

## **Sound** Sound Mode

Press the **MENU** button to select **Sound**. 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.

## **Channel** Channel Mode

Press the **MENU** button to select **Channel**. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to select the **3CH** (3 Channel) mode, **6CH** (6Channel) 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.

## **4. DMX 512 Address setting**

Press the **MENU** button to select **ADD**. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to choose the (A001-A512) address, 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.

## **5. How To Control The Unit**

### **5.1. Master/slave built-in preprogram function**

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

### **5.2. Universal 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 **ADD** 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
3 channel	1	4	7	10
6 channel	1	7	13	19

### 5.3 DMX 512 Configuration

#### 3CHANNEL MODE

Channel	Function	Value
1CH	Red	000 - 255 0-100%
2CH	Green	000 - 255 0-100%
3CH	Blue	000 - 255 0-100%

#### 6CHANNEL MODE

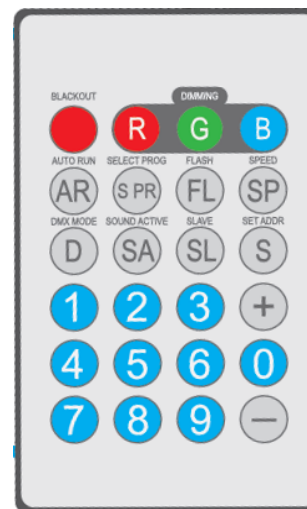
Channel	Function	Value
1CH	Red	000 - 255 0-100%
2CH	Green	000 - 255 0-100%
3CH	Blue	000 - 255 0-100%
4CH	Colour Macro	000 - 007 No function 008 – 255 Colour macro mixing
5CH	Strobe	000 - 016 No function 017 - 255 Strobe /Speed Adjust/Sound Sensitivity
6CH	Effect	000 - 031 Colour Mixing (Channel 1,2,3) 032 - 095 No Function 081 - 150 Colour Jump (Speed Channel 5) 151 - 220 Colour Fade (Speed Channel 5)  221 - 255 Sound activation (Sensitivity Channel 5)

### 5.4 Optional CA-8 Easy Remote control

The easy remote control is used only in master/slave modes. By connecting to the remote socket of the first unit you will find that the remote controller on the first unit will control all the other units in Standby, Function and Mode.

Stand by	Blackout the unit		
Function	1. Synchronous Strobe	Select show	Select Couolor
	2. Sound Strobe		
Mode	Strobe(LED OFF)	Show(LED ON)	LED Blinking

### 5.5. Optional IR Remote



#### Button functions:

I.R Remote Introduction

“**BLACKOUT**” button is used to set the LED’s into the power on or off modes.

“**AR**” button is used to set the LED’s into the auto run mode, you can then use the “**SPEED**” button and then the “**+ and -**” buttons to adjust the speed.

The “**S PR**” button is used to set the LED’s to run the built-in programmes. In this mode you have 4 options: “**SOUND**” for sound active, “**JUMP**” for chase mode, “**FADE**” for colour fade mode and “**S**” for static colour mode. To select any of the above 4 modes press the “**+ and -**” buttons. The menu selections can be viewed on the display on the rear of the unit. In “**JUMP**” and “**FADE**” modes

you can then use the “**SPEED**” button and then the “+ and -” buttons to adjust the speed. When in “**STATIC COLOUR**” mode you can press the “**FLASH**” button followed by the “+ and -” buttons to add strobe to the selected static colour. There are 10 built-in static colours which can be selected by using the “**0-9**” numbered buttons.

The “**SA**” button is used to set the LED’s into sound activated mode.

The “**R**”, “**G**”, “**B**” buttons can be used to create your own static colours by repeatedly pressing the “**R**”, “**G**”, “**B**” buttons to mix your own colours. Each press of the colour buttons will increase or decrease each colour by 25%

The “**SL**” button is used to set the LED’s into slave mode.

The “**S**”, “**0**”, “**1**”, “**2**”, “**3**”, “**4**”, “**5**”, “**6**”, “**7**”, “**8**” and “**9**” buttons are used to set the DMX address for the LED’s. (see example below)

#### **DMX Address Examples:**

##### **To set the DMX address “245”;**

- 1) Press the “**S**” button, so the red LED’s come on, this means you can now start to set the DMX address.
- 2) Press the “**2**” button, so the green LED’s come on, this means the first digit “**2**” (the hundreds place) setting is successful.
- 3) Now Press the “**4**” button, and the blue LED’s will come on, this now means that the second digit “**4**” (tens place) setting is successful.
- 4) Now Press the “**5**” button, and all of the R/G/B LED’s will come on, this means that the final digit “**5**” (units place) setting is successful and the full DMX address setting has been changed.
- 5) Now press the “**DMX MODE**” button to save the new address into memory.

##### **To set the DMX address “002”;**

- 1) Press the “**S**” button, so the red LED’s come on, this means you can now start to set the DMX address.
- 2) Press the “**0**” button, so the green LED’s come on, this means the first digit “**0**”

(the hundreds place) setting is successful.

- 3) Now Press the “**0**” button, and the blue LED’s will come on, this now means that the second digit “**0**” (tens place) setting is successful.
- 4) Now Press the “**2**” button, and all of the R/G/B LED’s will come on, this means that the final digit “**2**” (units place) setting is successful and the full DMX address setting has been changed.
- 5) Now press the “**DMX MODE**” button to save the new address into memory.

#### **Important notes:**

- **Set the DMX address on each fixture before plugging into the DMX controller.**
- **The I.R Remote is not usable when the fixture(s) are being controlled by a DMX controller.**
- **The maximum transmitter distance is 10M. Please make sure that you have the I.R remote aimed directly at each fixture to be programmed.**
- **If you do not press the “DMX MODE” button after you have changed the DMX address, when you power down the fixture it will lose the address you have set.**

#### **6. 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.**

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.

### **7. Fixture Cleaning**

2. 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.
  3. 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.

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