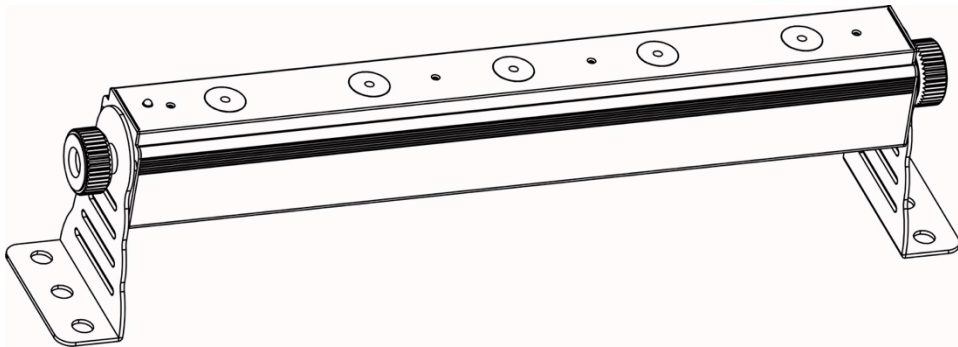


LEDJ Q Batten



User Manual

Order code: LEDJ300

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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.
- 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.
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- Warning! Risk Group 2 LED product according to EN 62471. Do not view the light output with optical instruments or any device that may concentrate the beam.
- WARRANTY: One year from date of purchase.

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

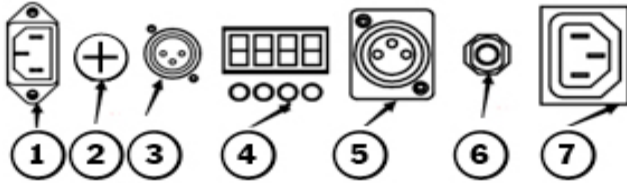
2. Features and Technical Specifications

- Die-cast Aluminum casing
- Control: I.R., Sound active, Auto, Master/slave and DMX 512 modes
- DMX Channels: 2CH/3CH/4CH/7CH
- Optional CA-8 Easy remote control
- Optional IR Remote (LEDJ90C)
- 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: 60W

- Light source: 5 pcs x 5W Quad-colour (RGBA) LEDs
- Dimensions: 580 x 100 x 133mm
- Weight:1.82KG
- 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 mode	CoLo	Cr 00~99(Red) CG 00~99(Green) Cb 00~99(Blue) CU 00~99(Amber) CF 00~99 (Colour flash speed)
Colour Mixing mode	Cn01	Cn 00~015
Jump mode	Junp	JU 00~99 JU00 JF 00~99 JF00 (Flash speed)
Fade mode	Fade	FA 00~99 FA00 FF 00~99 FF00 (Flash speed)
AUTO	aUTO	

Slave mode	SLAV	SLAV
Sound	SU00	SU 00~99 Sensitivity
Channel Mode	2CH/3CH/4CH/7CH	2/3 channel mode 4/7 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.

CoLo Colour Mode

Press the **MENU** button to select **CoLo**. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to select the **Cr00** (Cr00-99) or **CG00**(CG00-99) or **Cb00**(Cb00-99) or **CU00**(CU00-99) or **CF00**(CF 00-99) mode. Once the mode has been selected, press the **ENTER** button to confirm.

Cn00 Colour mixing Mode

Press the **MENU** button to select **Cn00**. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to choose the **Cn00** (Cn00-15) mode. Once the mode has been selected, press the **ENTER** button to confirm.

Junp Jump Mode

Press the **MENU** button to select **Junp**. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to select the **JU00** (JU00-99) or **JF00**(JF00-99) mode. Once the mode has been selected, press the **ENTER** button to confirm.

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.

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.

Slave Slave mode

Press the **MENU** button to select **Slave**. Press the **ENTER** button to confirm and **Slave** will be showed on the display.

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 adjust the sound sensitivity via the value 00-99. Once the value has been selected, press the **ENTER** button to confirm.

Channel Mode

Press the **MENU** button to select the **2CH** (2 Channel) mode, **3CH** (3 Channel) mode, **4CH** (4 Channel) mode or **7CH** (7 Channel) mode via the **DOWN** and **UP** buttons. Once the mode has been selected, press the **ENTER** button to confirm.

4. DMX 512 Address setting

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

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 **Address** 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.

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
2 channel	1	3	5	7
3 channel	1	4	7	10
4 channel	1	5	9	13
7 channel	1	8	15	22

5.3 DMX 512 Configuration

2 CHANNEL MODE

Channel	Value	Function
1CH	0-240	Master dimmer
	241-255	Strobe
2CH	0-4	Black out
	5-80	Colour Macro
	81-150	Colour Jump
	151-255	Colour Fade

3 CHANNEL MODE

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

4 CHANNEL MODE

Channel	Value	Function
1CH	0-255	Red 0-100%
2CH	0-255	Green 0-100%
3CH	0-255	Blue 0-100%
4CH	0-255	Amber 0-100%

7 CHANNEL MODE

Channel	Value	Function
1CH	0-255	Master dimmer
2CH	0-255	Strobe
3CH	0-255	Red(0-100%)
4CH	0-255	Green(0-100%)
5CH	0-255	Blue(0-100%)
6CH	0-255	Amber(0-100%)
7CH	0-4	No function
	5-80	Colour Macro
	81-150	Colour change
	151-255	Colour fade

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 Colour
	2. Sound Strobe		
Mode	Strobe(LED OFF)	Show(LED ON)	LED Blinking

5.5. Optional IR Remote



Button functions:

The “**BLACKOUT**” button is used to set the LEDs into the power on or off modes.

The “**S PR**” button is used to run the built-in programmes. To go through the built-in programmes, press the “+” and “-” buttons.

The “**FL**” button is used to set the LEDs to flash on and off, to change the flash frequency use the “+” and “-” buttons.

The “**SP**” button is used to set the run speed, this button is available only in the colour change or colour fade modes. To change the speed use the “+” and “-” buttons.

The “**D**” button is used to set the LEDs into DMX mode. (See DMX value table)

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

The “**SL**” button is used to set the LEDs 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.

The “R”, “G”, “B” and “W” buttons are used to set the brightness for the Red, Green, Blue and White/Amber/UV LEDs, to change the brightness use the “+” and “-” buttons.

NOTE: See over leaf for DMX address set up examples. DMX Address Examples:

To set the DMX address “245”;

- 1) Press the “S” button, this means you can now start to set the DMX address.
- 2) Press the “2” button, so the red LEDs flash, this means the first digit “2” (the hundreds place) setting is successful.
- 3) Now Press the “4” button, and the green LEDs flash, 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, A/W/UV LEDs flash, 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, this means you can now start to set the DMX address.
- 2) Press the “0” button, so the red LEDs flash, this means the first digit “0” (the hundreds place) setting is successful.
- 3) Now Press the “0” button, and the green LEDs flash, 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, A/W/UV LEDs flash, 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.

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

Make sure the unit is not receiving a DMX signal.

7. 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.