



# 5-in-1 Wireless LED Light Standard & Battery Operated Models

# EDD-GL-BFLAT9 & EDD-GL-FLAT9 USER MANUAL

# 1. Introduction

Thank you for purchasing our 5-in-1 Wireless LED light. Please read these instructions carefully before operating to avoid any possible damage and accidents caused by misuse.

The 5-in-1 Wireless LED light has a durable steel enclosure. Five colors of high-brightness LED lights (red, blue, green, amber and white) are used to create a wide spectrum of colors. Each color can be independently dimmed and controlled. The unit contains a switch for power, and another switch to turn on/off the wireless receiver. The built-in programs include dimming, fade, strobe, gradual change and more (see programming section). The unit is compatible with the standard DMX 512 signal for external DMX control, and wireless signals transmitted from DMX 512 sources. Practical uses of the product include dance halls, stage backgrounds, hotels, large-scale performances, drapery uplighting and stage lighting.

### Packing List

- 5-in-1 Wireless LED Light
- Power cable
- User manual
- Warranty card

# 2. Safety Information

- Please consult skilled service technicians for any repairs required
- Always disconnect from the power source before setting up, moving and servicing
- Avoid direct eye contact to the light when in operation
- Make sure the power supply voltage is compatible with this light
- Before installation, please check the light's fasteners and mechanical structure is in good condition and not damaged
- The light is designed for indoor use, below 40 degrees celsius
- Please do not expose this light to rain or water
- The fixture may be mounted in any position provided there is adequate room for ventilation. Make sure there are no flammable and explosive items within 0.5 meters.
- Please ensure the ground is always connected when plugged in



# 3. Dimensions and Specifications

Multi-voltage Operation: AC 100V/60Hz - 240V/50Hz Maximum Power Usage: 135 W LED Angle: 30 (+/-5) degrees Lamp Life: 6,000-10,000 hours Lamp Power: 9 pc x 15 W 5-in-1 LED's Wireless Connectivity Range: ~440' Packing Size: 240 x 130 x 250 mm Net Weight: 3kg

For Battery Operated Units Battery Life: 4-5 hrs if all LED's are on; up to 20 hrs if only 1 color Recommended to charge the battery for at least 4 hours upon recharging

#### Dimensions:





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### 4. Main Function

5 Channel DMX Mode:

Channel	DMX Value		Notes
1	0-255	Red dimming	
2	0-255	Green dimming	
3	0-255	Blue dimming	
4	0-255	Amber dimming	
5	0-255	White dimming	

### 9 Channel DMX Mode:

Channel	DMX Value		Notes
1	0-255	Red dimming	
2	0-255	Green dimming	
3	0-255	Blue dimming	
4	0-255	Amber dimming	
5	0-255	White dimming	
6	0-255	Master dimming	
7	0-255	Strobe	
8	10-255	Color change/pulse mode. DMX value controls speed	Overrides strobe, RGBAW values & master dimmer
9	128-255	Color fading & sound activated. DMX channel has no affect	Overrides strobe, RGBAW values & master dimmer

### 5. Rear Panel Display and Operation



### Selection Buttons:

MENU: Access the menu or return to a previous menu option UP: Menu selection or parameter increments DOWN: Menu selection or parameter increments ENTER: Select the current menu option

### DMX IN/OUT:

For use when connecting to a DMX board or connecting master/slave.

### Wireless Function:

When entering DMX mode (menu selection: "addr"), the unit will try to connect to the wireless DMX network. Be sure your DMX board is connected to a wireless transmitter and all power is on, as well as the power switch to the wireless section on the light (the 2nd switch on the back of the unit). The small LED indicator light next to the wireless antenna on the unit will flash as it tries to connect. Flashing RED indicates it's failed to connect, flashing GREEN indicates it was successful. If it failed to connect, the light will revert back to its last saved state, such as COLO mode, etc. Try to connect again by pressing MENU and selecting "addr" to begin the process again, notice the color of the indicator light, and begin pressing the small button next to it. The LED indicator light will cycle through various colors, which are different connection frequencies. One of the colors/frequencies will connect to the DMX board and then it will begin to flash GREEN. Once this has been setup, no other process is required, and the unit should immediately connect once set to "addr" mode.

## 6. Instructions for Manual Programming

MENU and submenus:

- "addr": DMX mode (A001-A512)
- "Chnd": Selects between 5-channel and 9-channel DMX modes
- "SLmd": Selects between Master/Slave modes (MASt, SL 1, SL 2)
- "Shmd": Selects different preset modes within the following submenu:
  - "Sou1": Sound activated (slowly color fades when no sound)
  - "Colo": Solid color (see Color Presets map on opposite page)
  - "StCo": Strobe (0-255 speed); uses color from "Colo" selection
  - "FAde": Fading color changes (speeds 1-8, 1 is fastest)
- "LEd": On/off, selects whether LED display constantly displays mode
- "dISP": reverses the orientation of the text on the LED display
- "MAnu": adjusts global master color levels of the unit (for all modes including DMX use) as follows:
  - "rĒd": 0-255
  - "Gree": 0-255
  - "bLue": 0-255
  - "AMbe": 0-255
  - "Whit": 0-255
- "test": sequentially lights each color at full brightness (disregarding the 'manual' global master color setting in order: R, G, B, A, W, full
- "FhrS": machine use time

Press MENU to navigate through the main menu. Press ENTER to access one of the submenus, or the selectable options for that menu item. Once a desired setting has been set, press ENTER, and wait for a time-out/blackout period before the light returns to normal operation with that setting saved. Options are saved even when the power is cycled. For example, if you want to choose DMX mode A001, operate as follows:

- Press MENU, to bring up the main menu
- · Press UP / DOWN or MENU until "addr" is selected
- Press ENTER to choose, the display will blinking
- · Press UP / DOWN to change the address code to select "A001"
- Press ENTER to select and store the current menu option. DMX mode will be stored automatically and the screen will stop blinking.

For Preset Colors: Solid colors from the "Colo" mode (see previous page) and their RGBAW values:

- · Press MENU, to bring up the main menu
- · Press UP / DOWN until "Shmd"
- · Press ENTER to choose, the display will be blinking
- Press UP / DOWN to select "Colo" mode
- · Press ENTER to access the different color options as follows:

Colo #	Color	Name	Red	Green	Blue	Amber	White
1		Red	255	0	0	0	0
2		Green	0	255	0	0	0
3		Blue	0	0	255	0	0
4		Amber	0	0	0	255	0
5		White	0	0	0	0	255
6		Yellow	255	255	0	0	0
7		Magenta	255	0	255	0	0
8		Cyan	0	255	255	0	0
9		Champagne	0	0	0	255	255
10		Cold White	255	255	255	0	0
11		Warm White	255	255	255	255	255
12	CHASE	SEQUENCE	-	-	-	-	-

When controlling via DMX, use the color values in the right hand side of the chart.

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# 7. Master/Slave Control

The MASTER functions as a master as long as it's not in DMX mode (and ideally no cable plugged into the DMX INPUT on the unit). It sends a signal to the SLAVE through a DMX cable and synchronizes its settings to it. Do not use more than 20 lamps or 60m of DMX cable.

The SLAVE units should be set to DMX mode and the address code set to "A001" to receive the MASTER's signal. Only one light can be set as a master, but multiple lights can be set as slaves.

## 8. Cable Connection

A standard XLR connection is used for the DMX 512 protocol:

Note: In order to avoid failures and signal interference, it is recommended to connect a  $120\Omega$  resistor (1/4W) at the end of the DMX connection as shown below:



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

DMX512 does not include automatic error checking and correction, and so is not an appropriate control for hazardous applications, such as pyrotechnics or movement of theatrical rigging. False triggering may be caused by electromagnetic interference, static electricity discharges, improper cable termination, excessively long cables, or poor quality cables.

If using 5-pin DMX, please use a 5-pin to 3-pin cable adapter. Details on configuration below:

3-Pin XLR to 5-Pin XLR Conversion					
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)			
Ground/Shield	Pin 1	Pin 1			
Data Compliment (- signal)	Pin 2	Pin 2			
Data True (+ signal)	Pin 3	Pin 3			
Not Used		Do Not Use			
Not Used		Do Not Use			