

Eddylight™

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LED PAR 64

**RGBAW LED LIGHT
DSY-LP-64-177
USER MANUAL**

1. Introduction

Thank you for purchasing our LED PAR 64 light. Please read these instructions carefully before operating to avoid any possible damage and accidents caused by misuse.

The LED PAR 64 light has a hydrodynamic aluminum shell. Five colors of high-brightness LED lights (red, blue, green, amber, white) are used to create a wide spectrum of colors. Each color can be independently dimmed, faded and so on. It uses a power switch, draws low power and is low weight. The built-in programs include dimming, fade, strobe, gradual change and more. The unit is compatible with the standard DMX 512 signal for external DMX control. Practical uses of the product include dance halls, stage backgrounds, hotels, large-scale performances, drapery uplighting and stage lighting.

Packing List

- LED PAR 64 light
- User manual

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
- 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

3. Dimensions and Specifications

Voltage: AC110V/220 VAC

Frequency: 50-60 Hz

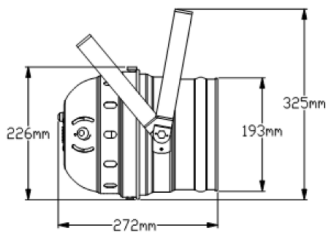
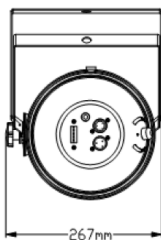
Power Consumption: 28 W

Lamp: 10mm x 177pcs LED

Beam Angle: 25 degrees

Net Weight: 2 Kg

Dimensions:



4. Main Function

5 Channel Mode

Channel	DMX Value	Function	Notes
1	0-255	Red dimming 0—100%	
2	0-255	Green dimming 0—100%	
3	0-255	Blue dimming 0—100%	
4	0-255	Amber dimming 0—100%	
5	0-255	White dimming 0—100%	

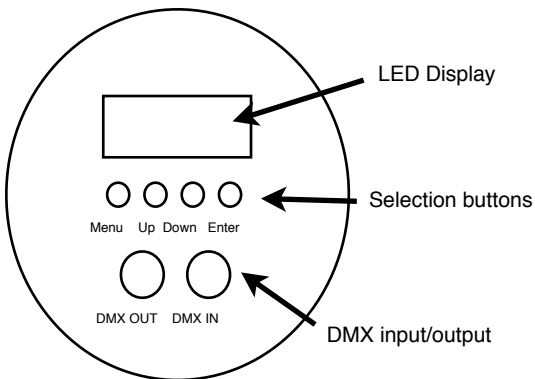
6 Channel Mode

Channel	DMX Value	Function	Notes
1	0-255	Red dimming 0—100%	
2	0-255	Green dimming 0—100%	
3	0-255	Blue dimming 0—100%	
4	0-255	Amber dimming 0—100%	
5	0-255	White dimming 0—100%	
6	0-255	Master Dimming	

9 Channel Mode

Channel	DMX Value	Function	Notes
1	0-255	Red dimming 0—100%	
2	0-255	Green dimming 0—100%	
3	0-255	Blue dimming 0—100%	
4	0-255	Amber dimming 0—100%	
5	0-255	White dimming 0—100%	
6	0-255	Master Dimming	
7	0-9	No function	
	10-200	Strobe; speed	
	201-255	Max strobe speed	
8	0-15	No function	Overrides color selection from CH1-5
	16-201	Color presets	
	202-240	Preset program; speed	
	241-255	Sound activation	
9	0-15	No function	Overrides color selection from CH1-5
	16-255	Color changing; speed	

5. Rear Panel Display and Operation



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

6. Instructions for Manual Programming

MENU items:

- "addr": DMX mode (d001-d512)
- "SLAV": Slave mode
- "CHnd": DMX channel mode (5CH/6CH/9CH)
- "SP": built-in program speed change mode (SP00-SP15)
- "Pr": Built-in presets (Pr00-Pr31)
- "ASC": colors jumping (AC00-AC15 speed adjustable)
- "FAdE": colors fading mode (FA00-FA15 speed adjustable)
- "FLAS": white strobe/flushing (FL00-FL15 speed adjustable)
- "rL": red color brightness adjustment mode (r000-r255)
- "gL": green color brightness adjustment mode (g000-g255)
- "bL": blue color brightness adjustment mode (b000-b255)
- "AL": amber color brightness adjustment mode (A000-b255)
- "WL": white color brightness adjustment mode (W000-b255)
- "SouA": Sound-activated no strobe mode

Press ENTER to access the submenu. This process can be saved automatically, which means you will enter the menu mode saved previously when you activate the light next time. For example, if you want to choose DMX mode A001, operate as follows:

- Press MENU, to go back to the main menu
- Press UP / DOWN until "Addr"
- Press ENTER to choose, the display will blinking
- Press UP / DOWN to change the address code to select "d001"
- Press ENTER to select and store the current menu option.

To Select Color Presets: (Pr -)

- Press MENU, to go back to the main menu
- Press UP / DOWN until "Pr--"; Press ENTER to choose
- Press UP / DOWN to change the menu code to select "pr00"
- Press ENTER to select and store the current menu options.

Color Chart

Color	Name	Red	Green	Blue	Amber	White
	Red	255	0	0	0	0
	Green	0	255	0	0	0
	Blue	0	0	255	0	0
	Amber	0	0	0	255	0
	White	0	0	0	0	255
	Yellow	255	255	0	0	0
	Magenta	255	0	255	0	0
	Cyan	0	255	255	0	0
	Champagne	0	0	0	255	255
	Cold White	255	255	255	0	0
	Warm White	255	255	255	255	255

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.

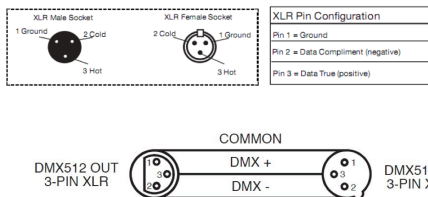
8. Cable Connection

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 120Ω 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.