Eddylight™

www.Eddylight.com

LED SUPER PAR

USER MANUAL

1. Introduction

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

The LED Super Par light has a hydrodynamic aluminum shell. Three colors of high-brightness LED lights (red, blue, green) are used to create a wide spectrum of colors. Each color can be independently dimmed, faded and so on. It draws low power and is low weight. The DMX controls 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 Super Par light
- User manual
- Warranty card

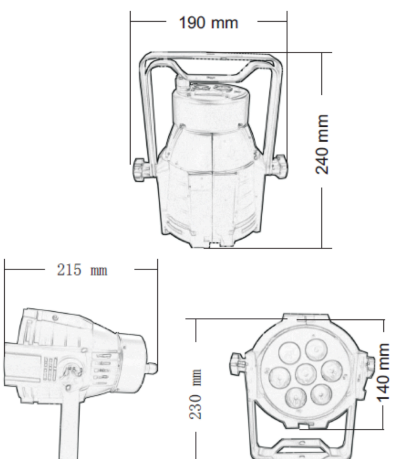
2. Safety Information

- 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
- 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: 100-264 VAC ~60Hz
Power: 70W
Size: 140mm deep x 190mm wide x 240mm high
Net Weight: 1.5 Kg
Rated: IP20

Lamp Type: (7) pc of '5-in-1' High Power 10W LED's
Lamp Life: ~50,000-100,000 hours
Lamp Angle: 25-45 degrees (produces a 5' dia. spot of light from a 10' distance, with a 2' concentrated center of light)



4. Main Function

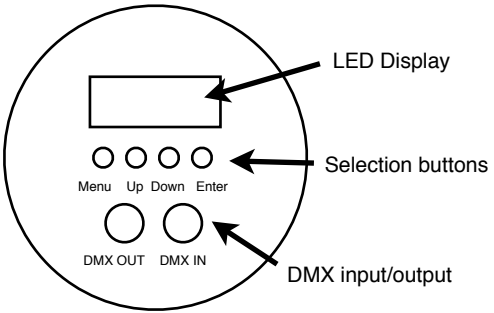
5 Channel Mode:

Channel	DMX	Function	Notes
1	0-255	Red dimming 0—100%	
2	0-255	Green dimming 0—100%	
3	0-32	Blue dimming 0—100%	
4	0-255	No function	
5	0-255	No function	

9 Channel Mode:

Channel	DMX	Function	Notes
1	0-255	Red dimming 0—100%	
2	0-255	Green dimming 0—100%	
3	0-32	Blue dimming 0—100%	
4	0-255	Amber dimming 0—100%	
5	0-255	White dimming 0—100%	
6	0-255	Master dimmer	
7	15-255	Strobe speed	
8	72-133	3 color jumping	Overrides CH1-7
	134-195	7 color jumping	
	196-255	31 color jumping	
9	28-127	Dimmer mode	(See “nodE” in MENU)
	128-250	Color fading	Overrides CH1-8
	251-255	Sound activation	

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 (001-512)
- “Slav”: Slave mode
- “Chnd”: DMX channel mode (5CH/9CH)
- “SouA”: Sound activated mode
- ”SP”: Built-in program speed change mode (speed = 0-15)
- “Pr”: Built-in preset programs (0-11)
- ”Colo”: Preset colors (0-30)
- “Strb”: Strobe mode (speed = 0-15)
- ”rL”: Solid color mode, red setting (0-255)
- ”gL”: Solid color mode, green setting (0-255)
- ”bL”: Solid color mode, blue setting (0-255)
- “aL”: Solid color mode, amber setting (0-255)
- “wL”: Solid color mode, white setting (0-255)
- “LED”: Select whether LED display is on or off (on/off)
- “nodE”: DMX dimmer mode (nod0-nod4) (see DMX chart CH9)

Press ENTER to save your selection, 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 d017, operate as follows:

(See next page)

- Press MENU repeatedly until “Addr”
- Press UP / DOWN to select your desired address (ie. “d017”)
- Press ENTER to choose.

Creating Solid Colors: (r, g, b, a, w)
- Press MENU until “r”, “g”, “b”, etc is selected.
- Press UP / DOWN until to change the number (brightness of that color)
- Press ENTER to choose
- Repeat the process for each color

Sample colors: (Visit the website for more color combinations)

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 "d001" 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:

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.

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

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