BARLED-2441
(4IN1) RGBW

USER'S MANUAL

Thank you for purchasing **BARLED-2441 (4in1) RGBW.** Every suit has been thoroughly tested and shipped in perfect condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for any damage and be sure all accessories necessary to operate the unit has arrived intactly. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without any warning.

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FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE POWERING OR INSTALLING. SAVE IT FOR FUTURE REFERENCE

1. Safety

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

PLEASE consider that damages caused by manual modifications to the device are not subject to warranty.

Caution! There are no user serviceable parts inside this unit. **Do not attempt any repairs yourself**; doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact the manufacturer or your dealer.

PLEASE recycle the shipping carton when ever possible

Precautions

- To reduce the risk of electrical shock or fire, do not expose this unit to moisture.
- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet match that of the required voltage for your unit,
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of a internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are user serviceable parts inside.
- Never operate this unit when its rear cover is removed.
- Never plug this unit into a dimmer pack.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6” (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- This unit is intended for indoor use only; use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the units main power.
- Always mount this unit un safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning unit should be cleaned only as recommended by the manufacturer. See ‘Cleaning” for details.
- Heat –The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The unit should be serviced by qualified service personnel when:
  A. The power-supply cord or the plug has been damaged.
  B. Objects have fallen, or liquid has been spilled into the appliance.
  C. The appliance has been exposed to rain or water.
  D. The appliance does not appear to operate normally or exhibits s marked change in performance.

2. Set Up

Power Supply

Before plugging your unit in, be sure the source voltage in your area matches the voltage required for your every suit. Every unit is available in 100v and 240v version. Because line voltage may vary from venue to venue, you should be sure your unit voltage matches the wall outlet voltage before attempting to operate you unit.

DMX Linking

To ensure proper DMX data transmission, when using several DMX units try to use the shortest cable path possible. The order in which units are connected in a DMX line does not influence the DMX addressing. For example; a unit assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a unit is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

3. Operating Instructions

Operating Modes:

You can use the suit in 4 ways:

- Auto Mode-The unit will automatically chase through the different colors.
- DMX control mode – This function will allow you to control each individual units traits with a standard DMX 512 controller.
- Sound control mode- When music play. The unit will work with music beat.
- Master-slave mode – One unit will work as the master in the one of the above three modes, other units in the chain will work in synchronization towards the master.

4. DMX Mode

Operating through a DMX controller give the user the freedom to create their own Programs tailored to their own individual needs. This function also allows you to use your units as spot lights.

- This function will allow you to control each individual unit's traits with a standard DMX 512 controller.
- The LED suit uses 4/5/8DMX channels to operate. Please see "DMX Values and Functions" for the DMX traits.
- To run your unit in DMX mode, plug in the unit via the XLR connections to any standard DMX controller. Set your desired DMX address following the setup specifications that come with your DMX controller.

5. Touch Buttons

There are four touch buttons under the LED display: Menu, Up, Down, Enter. Normally, the LED will display the current DMX address code of the fixture. At this time, presses up and down to choose the functions you want.

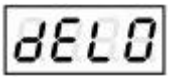
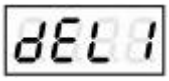
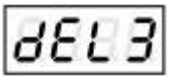
6. Led Operation Menu

LED screen with four touch buttons: **MENU, UP, DOWN and ENTER.**

Press MENU to return to the upper menu; Press UP or DOWN to scroll into the menu options or to adjust the values. Press ENTER to confirm.
After power on and initialization, it will show the status before last power off. Then, the unit is ready for setting and working. Please see the following table for setting information.

Led Display

Main Menu	Value	Functions
d001	001-512	4 channels mode
F001	001-512	5 channels mode
A001	001-512	8 channels mode
CF50	00-99	Fade In & out (slow to fast)
CC50	00-99	Color changing (slow to fast)
CS50	00-99	Color selective
r000	000-255	Red intensity
G000	000-255	Green intensity

	000-255	Blue intensity
	000-255	White intensity
	/	Auto run
	/	Sound
		Delayed off
		Delayed on 1-3 fast-slow
		

7. Operation Mode

(4 Channels) R, G, B, W,

(5 Channels) Dimmer R, G, B, W,

(8 Channels) Dimmer, Strobe, R, G, B, W, Marco, Fade in & out

4channels mode

Channel	Function	Value
1	R	0-255
2	G	0-255
3	B	0-255
4	W	0-255

5channels mode

Channel	Function	Value
1	Dimmer, OFF/ON	0-255
2	R	0-255
3	G	0-255
4	B	0-255
5	W	0-255

8channels mode

Recommended

Channel	Function	Value	
1	Dimmer	Dimmer, OFF/ON	0-255
2	Strobe	Slow to fast	0-255
3	R	Red intensity	0-255
4	G	Green intensity	0-255
5	B	Blue intensity	0-255
6	W	White intensity	0-255
7	Marco	No function	0-9
		Red Fade in	10-34
		R+G, Green fade in	35-64
		R+G, Red fade out	65-94
		Green	95-97
		G+B, Blue fade in	98-127
		Co B+G, Green fade out	128-157
		Blue	158-160
		B+R, Red fade in	161-190
		R+B+G. Green fade in	191-225
		R+G+B +W, white and fade in	226-255
8	Fade scroll	Fade in and out	0-239
		Sound Control	240-255

8. Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

9. Troubleshooting

Listed below are a few common problems the user may encounter, with solutions.

Unit does not respond to DMX:

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is “hot”; on some other DMX devices pin 5 may be ‘hot’). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.

Note: *All information is subject to change without prior notice.*