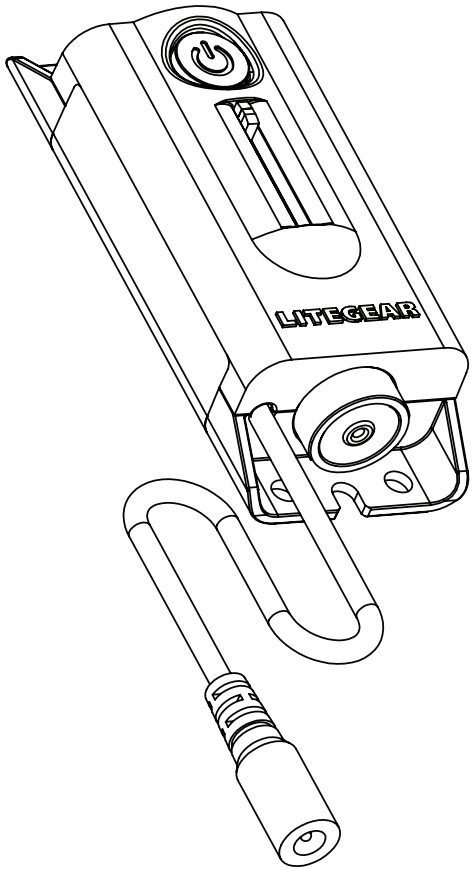
LITEDIMMER™
MICRO SINGLE



LITEGEAR®

USER GUIDE

Congratulations on your purchase of LiteGear's™ LiteDimmer™ Micro Single!

About LiteDimmer Micro Single

LiteDimmer Micro Single is our entry-level, handheld LED dimmer. As the most basic of LiteGear's LiteDimmers, it is lightweight and travel-friendly, making it perfect for situations requiring small amounts of single-color LiteRibbon® or simply for those on a budget. Its simple yet powerful approach to controlling brightness maintains LiteGear's standard of performance and quality while allowing the kind of flexibility demanded from lighting professionals. For best results, use with LiteGear LEDs which incorporate current limiting. LiteDimmer Micro Single is not designed to limit current. Additional devices may be required.

Power Supply Options

LiteDimmer Micro Single is capable of operating with DC voltages between 9V DC to 24V DC only. It will not increase or decrease input voltage. You must provide voltage that is compatible with the power requirements of LiteRibbon. For best results, use LiteDimmer Micro Single with LiteGear LED products.

Connections

LiteDimmer Micro Single is equipped with two 2.1 mm x 5.5 mm Barrel connectors; one is used for input power (male) while the other is for output to the LEDs (female). Barrel polarity is positive (+) in the center, surrounded by a negative (-) shroud.

Safety and Maintenance

Before operation, inspect the cables and enclosure for any damage. Also, inspect the LED installation for short circuits, damage, water, or similar.

How to Install

To install LiteDimmer Micro Single, bring the fader down to 0. Provide DC power between 9V and 24V to the Barrel input connector. If the "Power" button is red and fading on and off, the dimmer is on standby. If the "Power" button is steady red, the dimmer output is active; press it once to put it on standby. (Note: LiteDimmer Micro Single will remember the last saved settings on power-up; settings are saved by waiting for 5 seconds after making a change. For instance, if you put the dimmer on standby, you must wait at least 5 seconds before disconnecting the dimmer from power, or the dimmer will not remember that you put it on standby, resulting in an active output on the next power-up.) Now, connect the load to the Barrel output connector. Be sure you observe current capacities of all components such as cable, connectors, and power supplies and that your load is under 4 amps. You are now ready to operate your LiteDimmer Micro Single. Note: Power supply voltage must match the rating of the LiteRibbon, or damage may occur.

How to Set Levels

With the dimmer on standby, press the "Power" button once to activate the output. Use the fader to control brightness. Your single-color LiteRibbon should now be operating and will be dim or bright depending on the level chosen. The enclosure shows output level in percentage to the left of the fader.

Controls

The dimmer is equipped with a fader and a slightly recessed "Power" button.

Software Modes

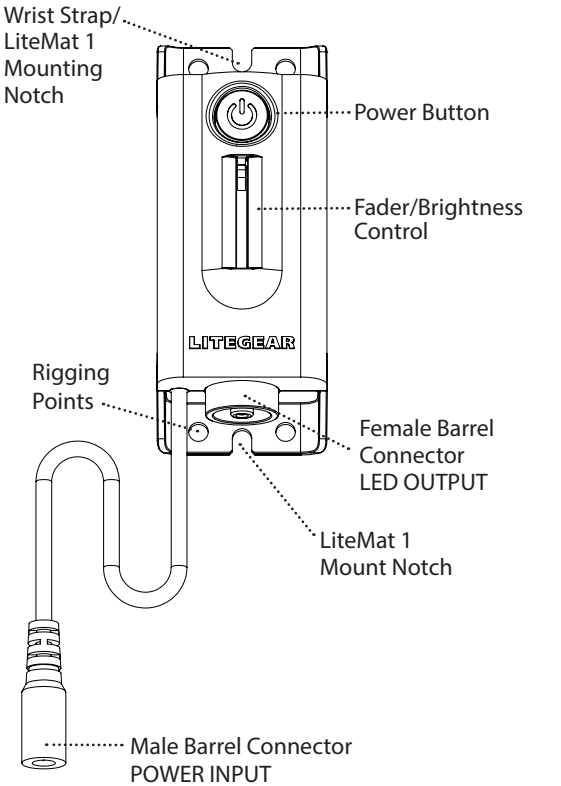
LiteDimmer Micro Single is programmed with the ability to set an adjustable fade time when turning your LiteRibbon on and off. To edit the fade time, ensure your dimmer is on standby (red indicator light will be pulsing), and bring the fader down to 0. Press and hold the "Power" button. Continue to press and hold while adjusting the fader accordingly: bringing the fader up to 100 sets the fade time to be 2 seconds while bringing the fader down to 0 sets the fade time to be instantaneous. The red indicator light under the "Power" button will flash with a frequency relative to the fade time. Release the "Power" button to lock in the fade time.

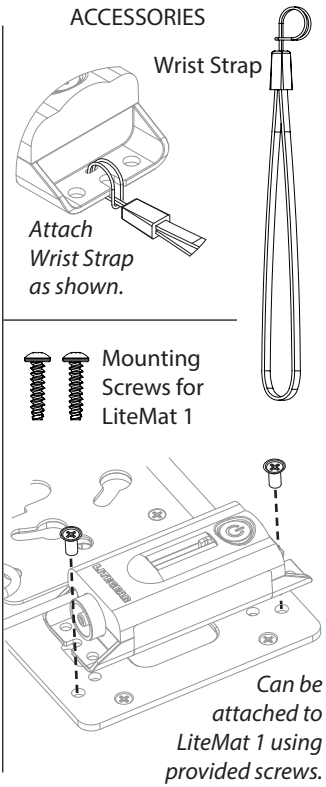
"Aaaaand Action!" Cueing: After setting the fade time, this dimmer function allows for the LiteRibbon to be brought up on cue.

From STANDBY: Set the fader to the desired brightness. Press and hold the "Power" button until the cue is given. When the cue is given, release the "Power" button, and the LiteRibbon will fade on (with the set fade time) to the desired brightness.

From ON: With the fader set to the desired brightness, press and hold the "Power" button until the cue is given. When the cue is given, release the "Power" button, and the LiteRibbon will fade off (with the set fade time).

As an added convenience for mounting, the LiteDimmer Micro Single features a magnetic base. An adhesive backed metal plate accessory is included.





Troubleshooting

If LiteDimmer Micro Single stops operating, remove it from the circuit to confirm that the dimmer is the problem. Connect the LiteRibbon directly to power. If it does not operate, the problem may not be the dimmer. Check leads and connectors. If the LiteRibbon does operate, LiteDimmer Micro Single could be overheated due to over-current conditions or is damaged. If damaged, contact the LiteGear Service department for service. If LiteDimmer Micro Single seems to be experiencing irregular operation, a factory reset may be needed. Resetting the operating system can restore normal operation in many cases. To perform a factory reset, disconnect your dimmer from power, and bring the fader down to 0. Next, press and hold the "Power" button, and then power the dimmer. Release the "Power" button after connecting to power. When you notice the "Power" button blinking steadily, cycle the power. Note that your preferences and settings may now have to be reset.

Technical Specifications

SIZE: 4 in. x 1.625 in. x 1.125 in.
WEIGHT: 0.146 lb, 2.336 oz, 66 g
INPUT: 12/24V DC, (9-24V DC); input voltage must match load voltage requirements!
RATING: 4 amps max. total
WATTAGE: 48 watts max. total
CONNECTOR: Barrel, 2.1 mm x 5.5 mm
OUTPUT: DynaRythmic PWM; does not provide "current limiting."
For use with LiteGear products only.

Warnings

Stage and Studio Use Only
Dry Location Only
Hazardous Voltage
Risk of Electrical Shock
Disconnect Power Before Servicing
Not For Residential Use

Any questions? Comments? Concerns? Contact us at +1 818.358.8542 or info@litegear.com.

LITEGEAR™
4406 Vanowen Street, Burbank, California, 91505 USA
+1 (818) 358-8542 www.litegear.com

219-90

© 2015 LITEGEAR, INC. All rights reserved. LiteRibbon® and FauxFlo™ are registered trademarks of LiteGear, Inc.
© 2015 LITEGEAR, INC. All rights reserved. LiteGear™, LiteMat™, LiteStix™, LitePower™, LiteDimmer™, LiteEFX™, and E-Control™ are trademarks of LiteGear, Inc.