

LITEDIMMER PRO SINGLE™



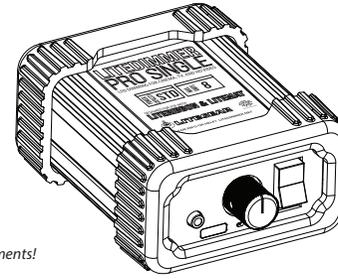
USER GUIDE

LiteDimmer Pro Single Specifications

Standard Capacity

RATING: 8 amps max. total,
8 amps max. per channel
INPUT: 10~50VDC
OUTPUT: DynaRhythmic PWM
SIZE: 76.2 mm (3 in.) width
44.2 mm (1.74 in.) height
92.7 mm (3.65 in.) length
WEIGHT: 7.44 oz, 211 g

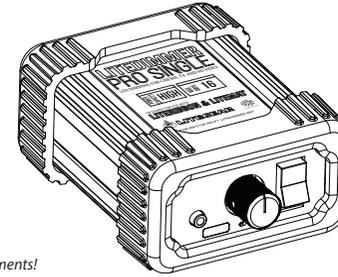
Input voltage must match load voltage requirements!



High Capacity

RATING: 16 amps max. total,
16 amps max. per channel
INPUT: 10~50VDC
OUTPUT: DynaRhythmic PWM
SIZE: 76.2 mm (3 in.) width
44.2 mm (1.74 in.) height
90.2 mm (3.55 in.) length
WEIGHT: 7.83 oz, 222 g

Input voltage must match load voltage requirements!



1 About LiteDimmer Pro Single

LiteDimmer Pro Single is the most advanced handheld LED dimmer on the market. It is the backbone of control for LiteGear's Single LED products. Single LiteRibbon® is designed with either Tungsten or Daylite LED emitters. Its simple yet powerful approach to controlling brightness sets a new standard of performance and quality while allowing the kind of flexibility demanded from lighting professionals. LiteDimmer Pro Single is designed for use only with LiteGear™ LEDs that incorporate current limiting. LiteDimmer Pro Single is not designed to limit current. Additional devices may be required.

Power Supply Options

LiteDimmer Pro Single is capable of operating with DC voltage between 10VDC to 50VDC only. It will not increase or decrease input voltage. You must provide voltage that is compatible with the power requirements of LiteRibbon. We recommend that you do not use LiteDimmer Pro Single with non-LiteGear LED products.

2 Controls

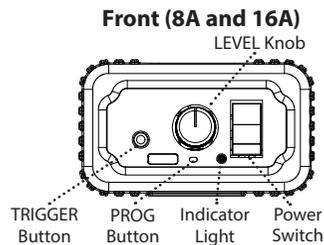
The dimmer is equipped with hideaway rotary controls. Pushing the knobs into the case can protect against accidental adjustments as well as allow for safe storage.

Connections

LiteDimmer Pro Single is available in two versions, standard and high capacity. The standard unit is assembled with a 2.1 mm x 5.5 mm Barrel male input connector and is capable of 8 amps maximum. The high capacity unit includes a Phoenix-2 male (PH2-M) input connector and can control up to 16 amps. The standard unit features a Barrel female output connector while the high capacity unit features a Phoenix-2 female (PH2-F) output connector. See the rear panel for pin configurations.

Safety and Maintenance

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



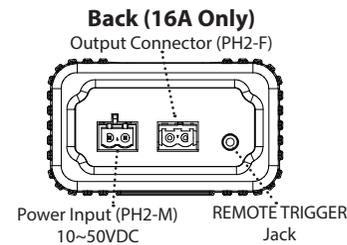
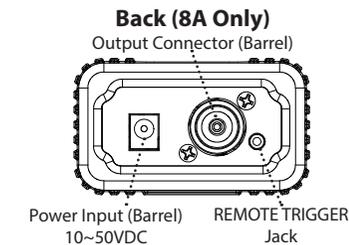
3 How to Install

1. Connect the load to the Barrel or Phoenix-2 output connector. Be sure you observe current capacities of all components such as cable, connectors, and power supplies.
2. Position the switch in the center (OFF) position.
3. Turn the "Level" knob to 0%.
4. Provide DC power between 10V and 50V to the input connector.

You are now ready to operate LiteDimmer Pro Single.



Note: Power supply voltage must match the rating of the LiteRibbon or damage may occur.



4 Software Modes

LiteDimmer Pro Single is programmed with several advanced software features. Moving the switch to the up (ON) position turns the dimmer on in normal SINGLE mode. Moving the switch down to the (ALT) position accesses one of the advanced software features at any given time. See the next page for the available ALT modes.

How to Change Modes

1. Place the switch in the center (OFF) position.
2. Locate the PROG button in the lower section of the front panel, and using the included actuator tool, depress the PROG button for approximately 2 seconds. The indicator light will begin flashing.
3. Turn the "Level" knob until the flashing indicator shows the color that corresponds to the desired mode.
4. Confirm selection by depressing the PROG button again for approximately 2 seconds.

After these steps have been completed, placing the switch in the down (ALT) position will operate the dimmer in the selected mode.

5	LOW*	This mode allows you to select a maximum brightness, enabling fine adjustment for low level requirements. <i>The indicator light will be blue.</i>
	BUMP	This mode allows for instantaneous full output when the PROG button, the TRIGGER button, or the REMOTE TRIGGER button is pressed and no output when all three buttons are released. <i>The indicator light will be purple.</i>
	PAPARAZZI	This mode allows for the PROG button, the TRIGGER button, or the REMOTE TRIGGER to trigger a paparazzi effect. <i>The indicator light will be alternating purple and white.</i>
	FIRE	This mode allows for the PROG button, the TRIGGER button, or the REMOTE TRIGGER to trigger a fire effect. <i>The indicator light will be orange.</i>

*Indicates the default ALT mode.

8 in the (ON) position, and bring the “Level” knob down to 0. Press and hold the PROG, the TRIGGER, or REMOTE TRIGGER button. Continue to press and hold until the LED indicator light begins to flash. Using the “Level” knob, make an adjustment according to your needs: completely clockwise selects the slowest fade time (2 sec.) and fully counterclockwise offers instantaneous on-time. (The indicator light will flash with a frequency relative to the fade time.) Confirm your selection with a 1-second press of the PROG, the TRIGGER, or REMOTE TRIGGER button, and you are all set! When your LiteDimmer is in PAPARAZZI mode, this newly selected fade time will also serve as the flash-effect fade time.

“Aaaaand Action!” Cueing:
After setting the fade time, this dimmer function allows for your LiteRibbon to be brought up on cue. Set the brightness and color temperature to the desired levels. Press and hold the TRIGGER or REMOTE TRIGGER button until the cue is given. When the cue is given, release whichever button you pressed, and your LiteRibbon or LiteMat will fade on or off (with the set fade time) to or from the desired brightness. This feature is only available in SINGLE, LOW, and FIRE modes.

6 Variable Low Mode
To set the intensity of variable low mode, first place your LiteDimmer into LOW mode, and position the switch to (ALT). Next, rotate the “Level” knob to 0%, and press and hold the PROG, TRIGGER, or REMOTE TRIGGER button until the LED indicator flashes. Using the “Level” knob, adjust to your desired maximum brightness, and confirm your selection with a 1-second press of the PROG button, the TRIGGER button, or REMOTE TRIGGER button.

Paparazzi Effect
To invoke the paparazzi effect, simply tap the TRIGGER or REMOTE TRIGGER button - and that’s it! (Alternately, you may use the PROG button.) Your LiteRibbon or LiteMat will turn on according to the position of the “Level” knob. You can adjust the decay time of the paparazzi effect by adjusting the fade time (see “Adjust Fade Time”).

Fire Effect
To customize to the parameters of the effect, be sure to have a section of LiteRibbon or a LiteMat connected and operating. There are two settings that can be adjusted. The first is the threshold of the output, or brightness ratio, between the high point and the low point. Because the high point is always live and adjustable

9 Troubleshooting
If LiteDimmer Pro 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, perform the following steps:

1. Place the switch in the center (OFF) position.
2. Power the dimmer.
3. Press and hold the PROG button for approximately 8 seconds until the indicator light flashes red 3 times. At this point, the software version will flash on repeat.
4. Cycle the power to finish the operation.

Your preferences and settings may now have to be reset.
If LiteDimmer Pro Single is still experiencing irregular operation after a factory reset, contact LiteGear Technical Support for assistance.

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

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7 during the effect playback, only the “low” threshold must be set, which locks in the ratio between high and low. The second parameter is “speed.” You may choose between barely noticeable to very rapid.

To make these two adjustments, activate FIRE mode, and use the TRIGGER or connect the REMOTE TRIGGER (included). (Alternatively, you may use the PROG button.) With the switch in the (ALT) position, press and hold the TRIGGER or REMOTE TRIGGER until your LiteRibbon or LiteMat flashes once then remains on. Using the “Level” knob, set the low threshold. Now press and hold the TRIGGER or REMOTE TRIGGER again until your LiteRibbon or LiteMat flashes. Again, use the “Level” knob, set the speed. Press and hold the TRIGGER or REMOTE TRIGGER button until the LiteRibbon or LiteMat flashes again to confirm your settings. You are now in playback mode and are free to adjust brightness with the “Level” knob. These new parameters are locked and will remain until updates are made, even after cycling power.

Adjust Fade Time
LiteDimmer Single is programmed with the ability to set an adjustable fade time. To edit the fade time, ensure your dimmer is



For more information, scan the QR Code above, or visit our website: www.litegear.com

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