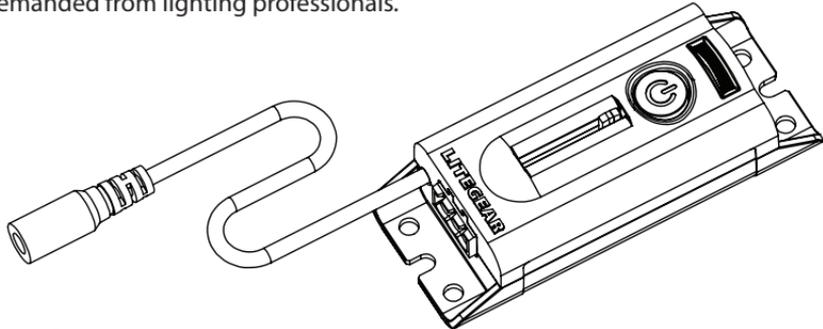




LITEDIMMER™ MICRO HYBRID

About LiteDimmer Micro Hybrid

LiteDimmer Micro Hybrid 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 Hybrid-color LiteRibbon®, a small LiteMat™, LiteTile™, or simply for those on a budget. Its simple yet powerful approach to controlling color temperature and brightness maintains LiteGear's standard of performance and quality while allowing the kind of flexibility demanded from lighting professionals.



Input Power

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

Note: Power supply voltage must match the rating of the LiteRibbon, LiteMat, or LiteTile you are using, or damage may occur.

Controls

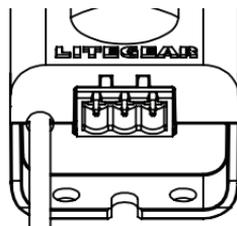
The dimmer is equipped with a slightly recessed linear brightness control (fader), a thumbwheel, and a slightly recessed, lighted POWER pushbutton.

Connections

LiteDimmer Micro Hybrid is assembled with a 2.1 mm x 5.5 mm Barrel power input connector and is capable of 4 amps maximum. The unit also features a 3-conductor HyConn (PH3-M) LED output connector. Barrel polarity is positive (+) in the center, surrounded by a negative (-) shroud. See below for Phoenix-3 polarity.

How to Install

1. Provide DC power (between 9V and 24V) to the input connector.
2. If the POWER button is red and breathing (fading on and off), the dimmer is on standby; proceed to step #3. If the POWER button is steady red, the dimmer output is active; tap it once to put it on standby.
3. Connect the load to the HyConn output connector. Be sure you observe current capacities of all components such as cable, connectors, and power supplies.
4. Bring the fader down to **0**.
5. Rotate the thumbwheel counterclockwise to **TUN**.



You are now ready to operate LiteDimmer Micro Hybrid.

LiteDimmer Micro Hybrid will remember the last saved settings on power-up. Settings are saved 5 seconds after a change has occurred.

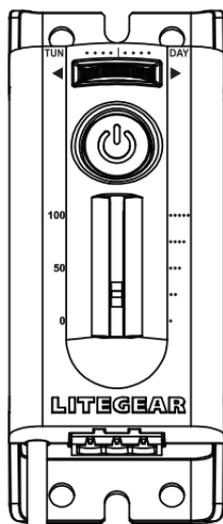
Note: LiteDimmer Micro Hybrid comes equipped with several mounting options You may choose to utilize the embedded magnet, adhesive backed steel plate (included), or two screws.

Software Modes

LiteDimmer Micro Hybrid is programmed with a couple advanced software features. The default mode of LiteDimmer Micro Hybrid is normal HYBRID mode, which maintains the dimmer output even as the Kelvin temperature changes. You can tell if your LiteDimmer is in HYBRID mode if, when in standby, the POWER button fades on and off, pulsing only once at the peak as it fades on.

How to Change Modes

1. Disconnect your LiteDimmer from power.
2. Bring the fader down to 0.
3. Press and hold the POWER button.
4. Continue to press and hold the POWER button as you provide power to your LiteDimmer.
5. Position the fader to align with one of the combinations of dots to the right of the fader. The POWER button will flash according to the number of dots as indicated by the position of the fader.
 - a. HYBRID Mode (●) 1 dot
 - b. OVERDRIVE Mode (●●) 2 dots
6. Confirm selection by depressing the POWER button again for approximately 1 second.
7. Cycle power.



After these steps have been completed, the dimmer will operate in the mode selected upon power-up until it is changed as prescribed above.

OVERDRIVE

This provides the absolute maximum output for a desired Kelvin temperature. The POWER button will pulse twice at the peak as it fades on and off.

LiteDimmer Micro Hybrid has been designed to operate at 4 amps max. continuously. Should this be exceeded, the dimmer will enter over-current conditions, trying to limit the overall output to 4 amps. This is indicated by rapid flashing of the POWER button indicator light.

Adjust Fade Time

LiteDimmer Micro Hybrid is programmed with the ability to set an adjustable fade time. To edit the fade time, ensure your dimmer is on standby (the POWER button 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, LiteMat, or LiteTile to be brought up on cue.

From STANDBY: Set the fader to the desired brightness (any value greater than 0). Press and hold the POWER button until the cue is given. When the cue is given, release the POWER button, and the LiteRibbon, LiteMat, or LiteTile 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, LiteMat, or LiteTile will fade off (with the set fade time).

How to Set Levels

With the dimmer on standby, tap the POWER button once to activate the output. Use the fader to control brightness and the thumbwheel to control Kelvin temperature. Scrolling the thumbwheel completely to the left achieves Tungsten output while scrolling the thumbwheel completely to the right achieves Daylite output. There are three markers on the thumbwheel indicating Tungsten output, Midday output, and Daylite output, respectively; these markers are meant as a guide to achieve your desired Kelvin temperature. Your hybrid-color LiteRibbon, LiteMat, or LiteTile should now be operating and will be dim or bright depending on the level chosen with a Kelvin color temperature set by the position of the thumbwheel. The enclosure shows output level in percentage to the left of the fader.

Troubleshooting

If LiteDimmer Micro Hybrid 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. Disconnect your LiteDimmer from power.
2. Bring the fader down to 0.
3. Press and hold the POWER button.
4. Continue to press and hold the POWER button as you provide power to your LiteDimmer.
5. Release the POWER button.
6. Press the POWER again for approximately 2 seconds.
7. Cycle the power to finish the operation.

Your preferences and settings may now have to be reset.

If LiteDimmer Micro Hybrid is still experiencing irregular operation after a factory reset, contact LiteGear Technical Support for assistance.

Technical Specifications

RATING: 4 amps max. total

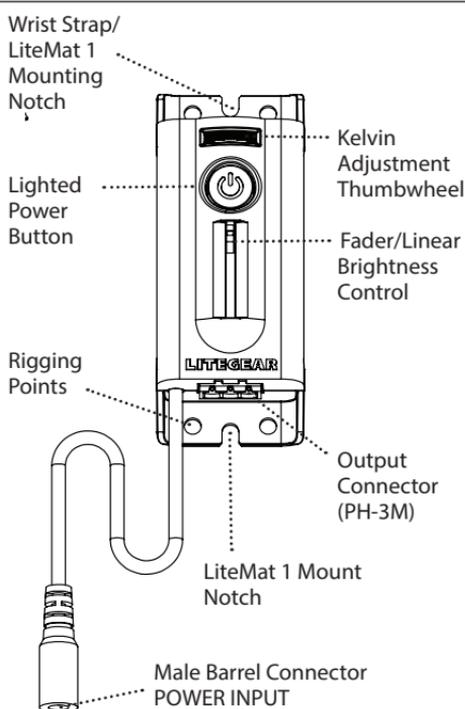
SIZE: 4 in. x 1.625 in. x 1.125 in.

INPUT: 8~30VDC

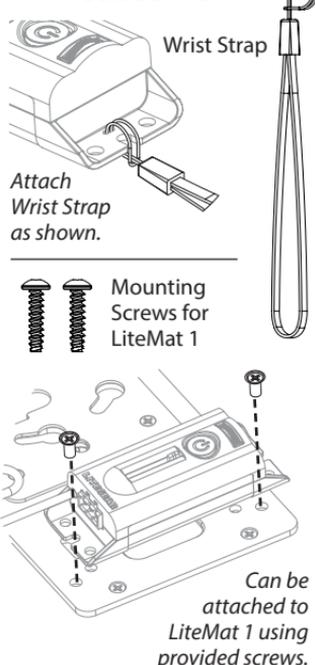
WEIGHT: 0.137 lb, 2.187 oz, 62 g

OUTPUT: DynaRhythmic PWM

Input voltage must match load voltage requirements!



ACCESSORIES



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

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.



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