



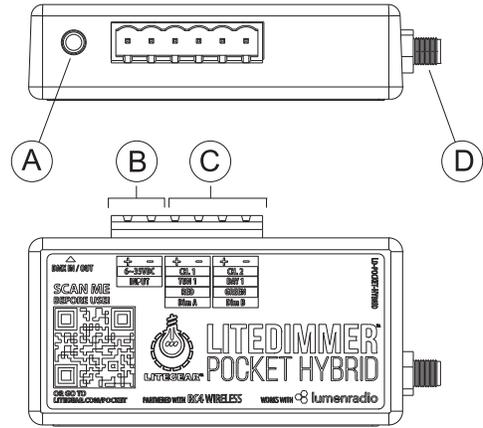
# LITEDIMMER POCKET HYBRID

## About LiteDimmer Pocket Series

The LiteDimmer Pocket Series is an ultra-compact LED controller system. The Pocket Chroma and Hybrid dimmers incorporate advanced RF receivers along with dimming circuits in a compact housing, making them ideal for use with costumes or props, such as lanterns. LiteGear worked with RC4 to develop the product using Lumen Radio technology, giving the dimmer not only rock-solid performance but compatibility with many third-party wireless transmitters and receivers.

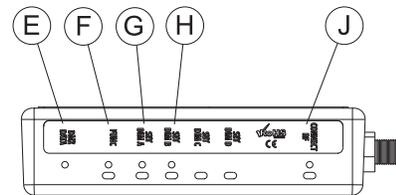
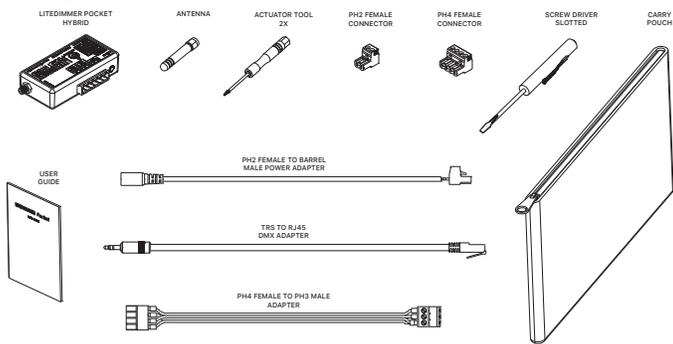


## LiteDimmer Pocket Hybrid



- A. DMX In/Out Port
- B. Input Power
- C. Output Power
- D. Antenna Port

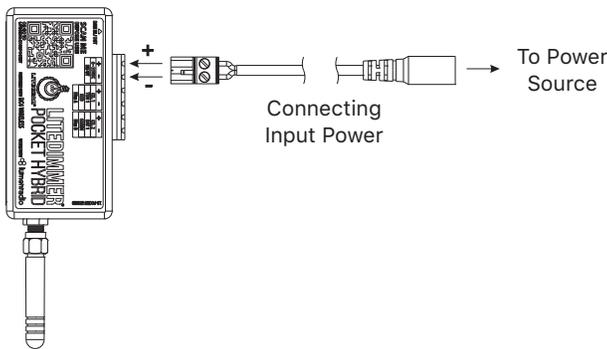
## Package Includes



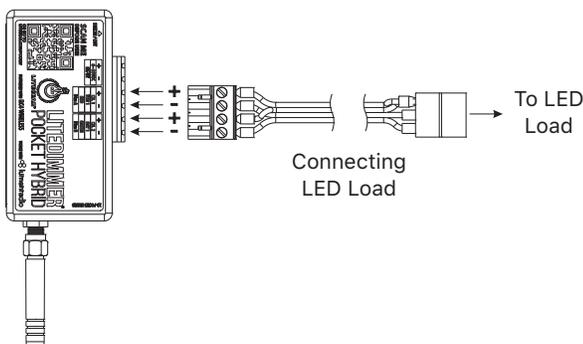
- E. DMX Data Indicator
- F. Function (FUNC) Button/Indicator
- G. Set Dim A Button/Indicator
- H. Set Dim B Button/Indicator
- J. Connect RF Button/Indicator

## Connecting Power and Load

Connect power supply with a Phoenix-2 Female (PH2-F) connector into the "Input." Make sure positives line up.



Connect load using a Phoenix-4 Female (PH4-F) to Phoenix-3 Male (PH3-M) connectors. Make sure positives line up.



Set up of DMX console and transmitter is not covered here. Please see the respective manuals for the devices you are using.

## Specifications

**Current Rating:** 16 amps max. total; 8 amps max. per channel

**Input Voltage:** 6~35VDC

Make sure power supply voltage and load voltage match. For best results it is recommended to use this dimmer with LiteGear LED products only. Dimmer can be used with other brands.

**Output:** Constant Voltage, PWM

**Size:** 3.15 in. x 1.77 in. x 0.80 in., w/o antenna  
(80.0mm x 45.0mm x 20.3mm), w/o antenna

**Weight:** 1.91 oz, 54 g.

FCC ID XRSCRMXTIMO101  
Model: 200-1502

## Warnings

- For stage & studio use only
- For dry locations only
- Must be serviced by a trained technician
- Disconnect power before servicing
- Not for residential use

## Connecting Dimmer to DMX

1. Initiate DMX connection on DMX transmitter.
2. The **blue** "Connect RF" indicator light will begin to flash for **approximately 10 seconds**.
3. The **blue** "Connect RF" indicator light will turn solid blue, indicating DMX connection.

## Setting Pulse Width Modulation (PWM) Frequencies:

The higher the PWM frequency is set, the less chance of camera strobing occurring. However, the higher the rate the less effective the advanced features such as FauxRes™ become. We recommend being aware of the chosen operating frequency and always performing a camera test.

PWM Frequencies	Instructions	Notes
40 kHz = SET DIM A 20 kHz = SET DIM B 10 kHz = SET DIM C 5 kHz = SET DIM D	<ol style="list-style-type: none"> <li>1. Use actuator tool to press and hold [SET DIM X] as you ...</li> <li>2. Connect dimmer to power, then ...</li> <li>3. Release [SET DIM X]</li> <li>4. Rate will remain until changed or dimmer reset</li> </ol>	<ul style="list-style-type: none"> <li>• Output smoothing available in 5 kHz</li> <li>• Dimmer runs hotter with higher PWM</li> <li>• Higher PWM = greater flicker free effect</li> </ul>

## Setting Consecutive vs Discrete DMX Addressing Across Multiple Dimmers

Once channel successfully assigned, indicator light next to chosen SET DIM X will turn solid green

Type	Description	Instructions
Consecutive (Default starting at 001)	Assigns a separate DMX address to each wireless dimmer consecutively	Set desired channel to SET DIM A and the rest will follow suit.
Discrete	Assigns a specific DMX address to each wireless dimmer based on your choosing	Set desired channel to SET DIM A and do the same with the remaining dimmers for SET DIM B, SET DIM C, and SET DIM D

## Setting Response Style

Make this setting WHILE setting Consecutive vs Discrete (Please see *Setting Consecutive vs Discrete DMX Addressing Across Multiple Dimmers* section)

Response Style	Description	Instructions
Non-Dim	Used for on/off (switch) functionality	Set the desired DMX starting channel to 100%, and tap the button for the desired channel on your wireless LiteDimmer (SET DIM A, SET DIM B, SET DIM C, SET DIM D)
Linear	Used for incandescent and halogen loads— this setting matches the dimmer response curve of conventional DMX controllers, such as LiteGear's EControl 4x4-V3.1	Set the desired DMX starting channel to 70%, and tap the button for the desired channel on your wireless LiteDimmer (SET DIM A, SET DIM B, SET DIM C, SET DIM D)
ISL Fast (Non-Linear)	Imitates an incandescent light bulb with a faster fade out time	Set the desired DMX starting channel to 50%, and tap the button for the desired channel on your wireless LiteDimmer (SET DIM A, SET DIM B, SET DIM C, SET DIM D)
ISL Slow (Non-Linear)	Imitates an incandescent light bulb with its delayed fade out time	Set the desired DMX starting channel to 30%, and tap the button for the desired channel on your wireless LiteDimmer (SET DIM A, SET DIM B, SET DIM C, SET DIM D)

## Setting Dimmer Mode

Mode	Description	Instructions
Single	Use with single-color LiteMats, LiteRibbon, or LiteTile. Each dimmer channel can be directly patched to its own DMX channel, resulting in a 1-to-1 DMX patching, and all dimmer channels are separate from each other.	<ol style="list-style-type: none"> <li>1. Press and hold [FUNC] using actuator tool</li> <li>2. Continuing to press [FUNC], tap [SET DIM A] using actuator tool</li> <li>3. Dimmer mode has been set until changed or device reset</li> </ol>
Hybrid (Default)	Use with Bicolor (Hybrid) LiteMats, LiteRibbon, or LiteTile. Ch 1 = Intensity Ch 2 = CCT	<ol style="list-style-type: none"> <li>1. Press and hold [FUNC] using actuator tool</li> <li>2. Continuing to press [FUNC], tap [SET DIM B] using actuator tool</li> <li>3. Dimmer mode has been set until changed or device reset</li> </ol>

## Reset

1. Use the actuator tool; press and hold FUNC for approximately 8 seconds.
2. "DMX Data," "Func," "Set Dim A," "Set Dim B" indicator lights all flash 5 times.
3. Dimmer is reset.

**Resetting does not de-link the dimmer from a transmitter. All other settings will be reset.**