



Slim Dimmer Plus Portable Single Dimmer

User Manual
(Model LDP1.8K)



Introduction

The Slim Dimmer Plus is a unique single portable 1.8kW dimming solution that can be used individually or as a part of a complete dimming system. It is perfect for film, television, studios, location shoots, or anywhere you need just one dimmer or just one more dimmer.

Unpacking and Inspection

Before you begin your installation check the shipment carefully to confirm it arrived complete and undamaged

1. Check the contents against the packing list to ensure the device is the correct model
2. Check the panel for loose or broken components, which might have resulted from shipping
3. Inspect for signs of damage to wiring devices, circuit breakers, handles or device enclosure

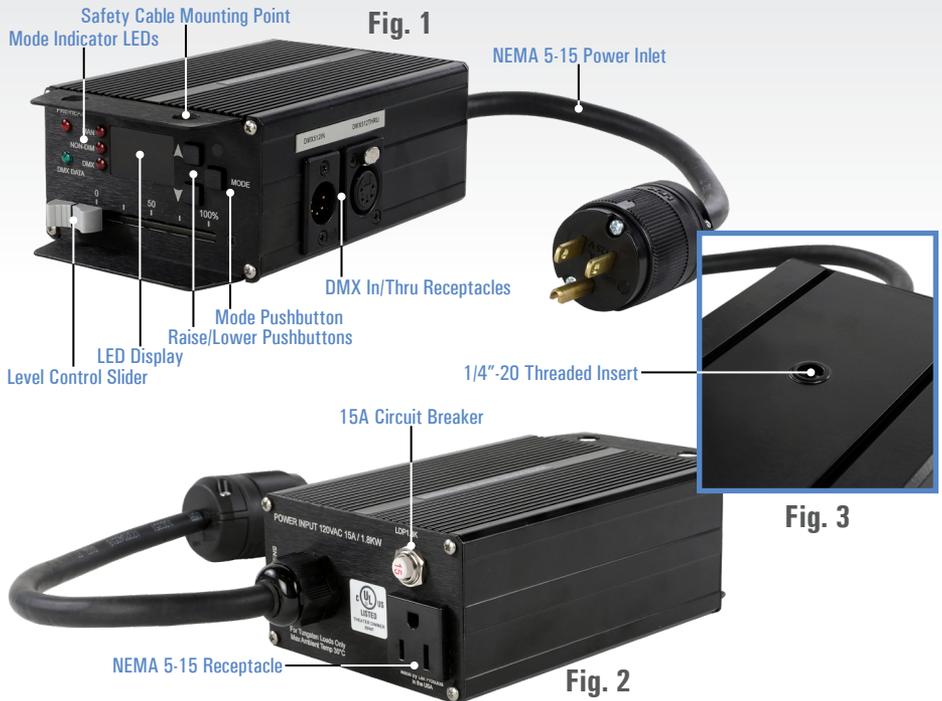
If there is any damage to the Slim Dimmer Plus contact Lex Products toll free at 800-643-4460 or email info@lexproducts.com.

Safety Notice

The Slim Dimmer Plus is built and tested with safety as a primary consideration, but all electrical equipment must be used with care. Observe all normal precautions when operating this dimmer.

1. Review all instructions before use and save for future reference
2. The device shall be connected to a mains outlet with overcurrent protection and grounding
3. This product is for use in dry locations only
4. Unplug dimmer from power before servicing
5. Do not modify dimmer or housing in any manner

Slim Dimmer Plus Components



Connecting Power and Control Wiring

1. Line Power Connection

- Connect the Slim Dimmer Plus to a 120VAC 15A 60Hz power source using the NEMA 5-15 plug (Fig. 1)
- If the breaker (Fig. 2) trips, check the power source and cables being used before resetting
- Do not power the unit from a dimmed circuit

2. Load Power Connection

- The Slim Dimmer Plus portable dimmer can control incandescent loads
- To prolong lamp life, set the control output to zero or a pre-heat level before connecting the load, see below
- Plug load(s) up to the capacity of the dimmer, into the NEMA 5-15 receptacle (Fig. 2) using properly grounded and appropriately rated cords

3. Control Connection

- For control using DMX512 data protocol, plug control cables constructed for this use into the 5-pin XLR connectors labeled "DMX512 In" and "DMX512 Thru" (Fig. 1)
- A DMX Terminator (120 ohm resistance between pins 2 and 3) is provided for the last device in the data line
- The green LED on the control panel labeled "DMX Data" (Fig. 1) will illuminate when control data is present

Installation

1. Hanging

- If desired, a C-clamp may be attached to the dimmer for hanging, using a thread adapter and the 1/4"-20 threaded insert in the case of the dimmer (Fig. 3). (Mounting hardware is available from Lex Products)
- The 1/4"-20 threaded insert can also accommodate a variety of alternate photographic and motion picture mounting or hanging products. Additional thread adapters are available from Lex Products
- When hanging a safety cable (not included) must be used
- The dimmer is equipped with two holes on the face of the enclosure (Fig. 1) through which a safety cable may be threaded and fixed to a suitable structure (such as around the pipe to which the dimmer is clamped)

Setting Up for Operation

1. Mode Selection

- To select a mode, press the pushbutton labeled "Mode" and the LED indicators left of the display will incrementally illuminate to indicate which of the (3) is selected (Fig. 1)

2. Manual Mode

- The Manual mode allows the unit to be used as a self-controlled dimmer.
- When the "Man" LED is illuminated, use the Raise/Lower pushbuttons (Fig. 1) to raise and lower the lighting to the desired level from 0 to 100% output
- A slider is also provided to set a desired output level (Fig. 1). The percentage output level will be reported on the display over-riding any pre-set (push button) level. To increment by 1% use push buttons (highest takes priority)

3. DMX Mode

- The DMX mode allows the dimmer to be operated remotely using DMX512 data protocol.
- When the red "DMX" LED is illuminated, use the Raise/Lower pushbuttons to assign a DMX512 address from 001 to 512 (Fig. 1).
- The address will be displayed and held in memory until changed. The dimmer's output will be a square-law dimming curve proportional to the DMX512 control signal being received.
- If the control signal is removed or interrupted, the dimmer will hold the last level received (status quo) until the control signal is restored or until power is reset.
- The green DMX data LED will illuminate (Fig. 1) with the presence of data at the input connectors.

4. Pre-heat Mode

- The Pre-heat mode allows the user to warm the filament of an incandescent lamp by providing a small AC voltage from the dimmer output and may be set to a value of 0-25% of the input line voltage.
- When the red "Pre-heat" LED is illuminated, use the Raise/Lower pushbuttons to assign the desired pre-heat level (Fig. 1).
- Then return the dimmer to Manual, DMX or Non-dim mode for operation.

Operation

1. Manual Operation (Fig.1)

- Use the Mode button to put the dimmer in Manual mode.
- Confirm that the red MAN LED is illuminated.
- Use the fader or the Raise/Lower pushbuttons to set the desired output level.
- Note that in manual mode the dimmer will ignore any DMX512 signal that may be present.

2. DMX Operation (Fig. 1)

- Set the correct DMX start address as outlined in Mode selection, above.
- Use a DMX control console to operate the dimmer remotely.
 - Note that the Slim Dimmer Plus is equipped with a power-fail memory. When the dimmer is powered up, it will return to the last mode of operation and previous programmed information

Troubleshooting

1. If the dimmer does not operate as expected, check the power source and check all cables and connectors.
2. Be sure the push to reset breaker is on pushed in (Fig. 2).
3. Confirm that the controlled load operates from a constant power supply and make sure that if a console is being used, that it is sending valid DMX512 data.
4. Control indicators do not illuminate.
 - Check to be sure that the power is being supplied to the dimmer.
5. The Raise/Lower pushbuttons do not work.
 - Make sure the dimmer is in Manual mode (press and hold the Mode button until the Manual LED illuminates per the instructions above (Fig.1)).
6. Dimmer does not respond to remote DMX512 input.
 - Check all control cabling, check that DMX LED is illuminated (Fig. 1) to indicate presence of control signal.
 - Make sure that dimmer is in DMX or Non-dim mode (press and hold Mode button until one of these LEDs illuminate (Fig. 1)).
7. Connected load switches on and off instead of dimming.
 - Check to see if Non-dim mode is activated per the instructions above (Fig. 1).
 - Press and hold Mode button until the red Non-dim LED illuminates (Fig. 1).
 - If a DMX512 address is displayed, Non-dim mode is active. To deactivate Non-dim mode, press the Lower pushbutton.
 - The display should go blank to indicate a return to dimming operation.
8. The dimmer does not respond to the Raise/Lower or Mode pushbuttons.
 - Reset the electronics by unplugging the dimmer from the supply and then reconnecting it.
9. Connected load is ghosting and will not shut off
 - A pre-heat level has been set and is retained in memory.
 - Press the Mode button until the red pre-heat LED illuminates and use the Lower button to turn the non-dim OFF.
 - If the load remains on, contact Lex Products Support or your dealer for repair.

Technical Support

Lex Products is available to help answer any product related inquiries. For any questions or technical advice, please call toll free 800-643-4460 or email info@lexproducts.com.



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