Operation

Manual: For local operation, the on-board fader can be used to control the dimmer. Use the Mode button to put the dimmer in Manual mode. Confirm that the red MAN LED is illuminated. Use the fader or the 5 and 6 buttons to set the desired output level. Note that in manual mode the dimmer will ignore any DMX512 signal that may be present.

DMX: For remote operation, use the Mode button to put the dimmer into Non-dim or DMX mode. Set the correct DMX start address as outlined in Mode selection, above. The display will show the DMX address that the dimmer will respond to. 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 will retain previously programmed information.

Troubleshooting

If the dimmer does not operate as expected, check the power source and check all cables and connectors. Be sure the push to reset breaker is on pushed in. 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.

Control indicators do not illuminate: Check to be sure that the power is being supplied to the dimmer.

The up and down buttons do not raise and lower the lighting level: Make sure the dimmer is in Manual mode (press and hold the Mode button until the Manual LED illuminates).

Dimmer does not respond to remote DMX512 input: Check all control cabling and check that DMX LED is illuminated 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).

Connected load switches on and off instead of dimming: Check to see if Non-dim mode is activated. Press and hold Mode button until the red Non-dim LED illuminates. If a DMX512 address is displayed, Non-dim mode is active. To deactivate Non-dim mode, press the 6 pushbutton. The display should go blank to indicate a return to dimming operation.

The dimmer does not respond to 5, Mode, or 6 buttons: Reset the electronics by unplugging the dimmer from the supply and then reconnecting it.

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 6 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 Technical Services at 855-LEX-1002 (855-539-1002) or email support@lexproducts.com

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Slim Dimmer Plus
User Manual

Introduction

The Slim Dimmer Plus 1.8kW dimmer is a unique portable 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 unit for loose or broken components, which might have resulted from shipping
3. Inspect for signs of damage to wiring devices or circuit breakers
If there is any damage to the Slim Dimmer Plus, contact Lex Products Technical Services toll free at (855) 539-1002 or email support@lexproducts.com.

Slim Dimmer Components (Typical)

- Safety Cable Hole
- Mode Indicator
- DMX Indicator
- Manual Fader
- Display
- DMX In and Thru
- Mode Button
- Raise/Lower Buttons

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.
- Review all instructions before use and save for future reference
- This product must be properly grounded
- This product is for use in dry locations only
- Unplug dimmer from power before servicing
- Do not modify dimmer or housing in any manner

Connecting Power and Control Wiring

The Slim Dimmer Plus is rated for 1,800 watts at 120VAC. It is equipped with a 15A U-ground pigtail for power input and is protected by a 15A push to reset breaker.

Line: Connect the Slim Dimmer Plus plug to a 120VAC, 60Hz power source. If the breaker trips, check the power source and cables being used before resetting. Do not power the unit from a dimmed circuit.

Load: The Slim Dimmer Plus portable dimmers can control incandescent loads. To prolong lamp life, set the control output to zero or a pre-heat level before connecting the load. Plug load(s) up to the capacity of the dimmer, into the power output receptacle using properly grounded and appropriately rated cables.

Connecting Power and Control Wiring (continued)

Control: 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" (if cable run continues beyond this unit). The input is terminated (120 ohms between pins 2 and 3), so no additional termination is needed if the dimmer is the last device on the data line.

The green LED on the control panel labeled "DMX Data" will illuminate when control data is present.

Installation

Hanging: If desired, a C-clamp may be attached to the dimmer for hanging, using a thread adapter and the 14"-20 threaded insert in the case of the dimmer. Lex accessory kit 04-160-A11 includes the C-clamp ad the thread adapter. The ¼"-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.

Safety Cable: If the dimmer is suspended overhead or is otherwise located where injury could result should the product fall, a safety cable (not included) must be used. The dimmer is equipped with two holes on the face of the enclosure through which a safety cable may be threaded. Secure the safety cable to a suitable fixed structure (such as around the pipe to which the dimmer is clamped).

Operation

The control panel will be operational once main power is present to the dimmer. The dimmer's operator interface consists of a three-digit LED display, three momentary pushbuttons and four LED indicators to report the set-up/operating mode selected. Modes are: Manual, Non-Dim, DMX, and Pre-heat.

Mode Selection: To select a mode, press the pushbutton labeled "Mode". The LED indicators left of the display will incrementally illuminate to indicate the mode selected. Press the button again to step to another Mode.

Manual: The Manual mode allows the unit to be used as a self-controlled dimmer. When the "Man" LED is illuminated, use the 5and 6pushbuttons 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. The % 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).

DMX: The DMX mode allows the dimmer to be operated remotely using DMX512 data protocol. When the red "DMX" LED is illuminated, use the 5 and 6 pushbuttons to assign a DMX512 address from 001 to 512. 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 with the presence of data at the input connectors.

Pre-heat: 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. The level for this mode may be set to a value of 0-25% of the input line voltage. When the red "Pre-heat" LED is illuminated, use the 5 and 6 pushbuttons to assign the desired pre-heat level. Then return the dimmer to Manual, DMX or Non-dim mode for operation. The pre-heat level will remain at the programmed level unless changed by the operator. The pre-heat LED will remain illuminated to remind you there is a pre-heat level assigned in memory. To remove this level, visit pre-heat mode once again and use the decrease button to set the pre-heat level to 0.