

Lutron MACL-153M

Lutron Maestro LED+ Dimmer Switch (MACL-153M-WH)

Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Lutron Maestro LED+ Dimmer Switch, model MACL-153M-WH. This dimmer is designed to provide optimal dimming performance for a variety of bulb types, including dimmable LED, CFL, halogen, and incandescent bulbs.

Please read these instructions carefully before installation and use to ensure proper function and safety.

SAFETY INFORMATION

Important: Before installing, turn off power at the circuit breaker or fuse box. Wiring should be performed by a qualified electrician if you are unsure. Always follow local and national electrical codes.

- **Risk of Electric Shock:** May result in serious injury or death. Turn off power at the circuit breaker before installation.
- **Risk of Overheating:** Do not use to control receptacles, motor-driven appliances, or transformer-supplied low-voltage lighting.
- **Grounding:** This device requires a ground connection.

WHAT'S IN THE BOX

Your package should contain the following item:

- (1) Maestro LED+ Dimmer Switch

Note: Coordinating wall plate is sold separately.

SETUP AND INSTALLATION

The Lutron Maestro LED+ Dimmer Switch is designed for easy installation in homes of all ages, as it does not require a neutral wire. Installation typically takes about 15 minutes.

Installation Steps:

1. **Turn Off Power:** Locate your circuit breaker or fuse box and turn off the power to the switch location. Verify power is off by attempting to turn on the light.
2. **Remove Existing Switch:** Carefully remove the wall plate and unscrew the existing switch from the wall box. Disconnect the wires from the old switch.
3. **Wire the Dimmer:** Connect the wires from the wall box to the dimmer switch according to the wiring diagram provided in the full installation manual. The dimmer supports single-pole, 3-way, and multi-location applications.
4. **Mount the Dimmer:** Secure the dimmer switch into the wall box with the provided screws.
5. **Attach Wall Plate:** Install the coordinating wall plate (sold separately).
6. **Restore Power:** Turn the power back on at the circuit breaker.

Wiring



Image Description: A side view of the Lutron Maestro LED+ Dimmer Switch showing the screw terminals for wiring and a green ground wire extending from the bottom. This illustrates the basic wiring connection points.

24/7 Support

Lutron offers 24/7, U.S.-based lifetime technical support for any troubleshooting issues.



Image Description: This image displays three diagrams: one for single-pole wiring (lights controlled from 1 location), one for 3-way wiring (lights controlled from 2 locations), and one for multi-location wiring (lights controlled from 3 or more locations using Maestro companion dimmers). It visually explains the versatility of the dimmer's installation.

Wiring Configurations:

- **Single-Pole:** Controls lights from one location.
- **3-Way/Multi-Location:** Controls lights from two or more locations. Up to 10 locations are supported with Maestro companion dimmers (MA-RR-XX, sold separately).
- **No Neutral Required:** This dimmer works with existing wiring in homes of all ages without requiring a neutral wire.

For detailed wiring diagrams and specific instructions for 3-way and multi-location setups, please refer to the official [Installation Manual \(PDF\)](#).

OPERATING INSTRUCTIONS

The Maestro LED+ Dimmer Switch offers intuitive control over your lighting.

Maestro LED+

White (WH)

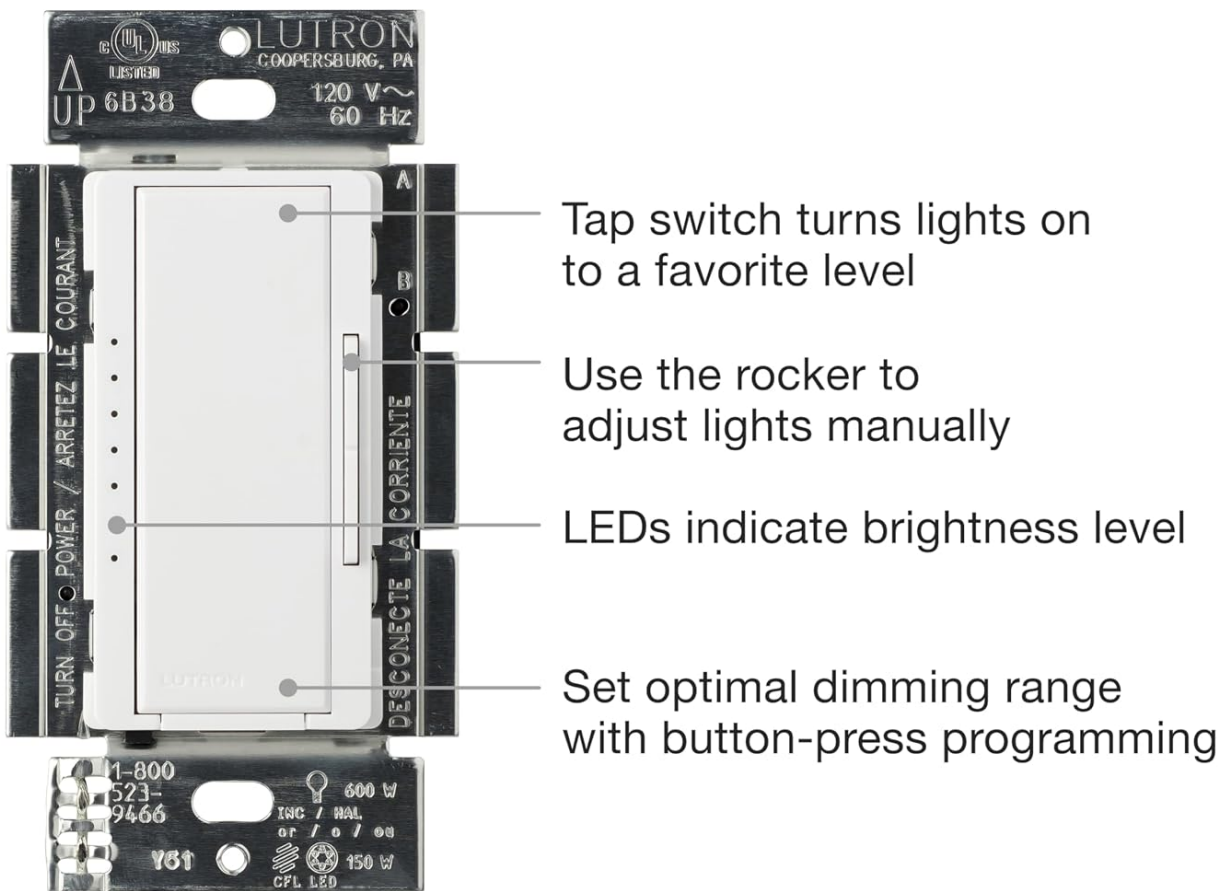


Image Description: A detailed view of the Maestro LED+ Dimmer Switch highlighting its key operational components: the tap switch for turning lights on to a favorite level, the rocker for manual adjustment, and the LED indicators showing the current brightness level. It also points out the area for setting optimal dimming range with button-press programming.

- **Tap Switch (Large Button):**

- One tap: Turns lights on/off to your favorite preset light level.
- Two taps: Turns lights on to full brightness.

- **Rocker (Side Bar):** Press the top of the rocker to brighten lights, and the bottom to dim lights.

- **LED Indicators:** A row of small LED lights on the left side of the dimmer indicates the current brightness level. These LEDs also provide a subtle glow for easy location in the dark.

- **Delayed Fade-to-Off:** Press and hold the large tap switch button for a few seconds to activate a delayed fade-to-off feature, allowing time to exit a room before lights turn off.

Optimal Dimming Range Setting:

The dimmer features patented technology to optimize the dim range of your bulbs. If you experience flickering or

inconsistent dimming, you can adjust the trim level of your dimmer to improve bulb performance. This involves a simple button-press programming sequence to set the bulb's optimum high and low-end dim range. Refer to the user guide for specific programming steps.

Wiring Wizard

Replacing a standard light switch with a dimmer can be done in 3 steps, in 15 minutes or less. Visit Lutron's Wiring Wizard for an interactive, step-by-step guide for your project.



Image Description: A hand is shown interacting with the Maestro LED+ dimmer switch. The image highlights the features of optimal dimming, where simple button presses set the bulb's optimum dim range, and gradual fade, where lights gently fade on and off for an elegant effect.

MAINTENANCE

The Lutron Maestro LED+ Dimmer Switch requires minimal maintenance.

- **Cleaning:** Clean the dimmer and wall plate with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **No User-Serviceable Parts:** There are no user-serviceable parts inside the dimmer. Do not attempt to open or repair the unit.

TROUBLESHOOTING

If you encounter issues with your Maestro LED+ Dimmer Switch, try the following steps:

Problem	Possible Cause	Solution
Lights do not turn on.	Power is off at the circuit breaker; loose wiring; bulb burned out.	Check circuit breaker; verify wiring connections; replace bulb.
Lights flicker or hum.	Incompatible bulbs; dimming range not optimized.	Ensure bulbs are dimmable and compatible with LED+ dimmers. Adjust the low-end trim setting (refer to user guide).
Dimmer does not respond.	Power interruption; internal fault.	Turn off power at the circuit breaker for 10 seconds, then restore. If issue persists, contact customer support.
Lights do not dim to desired level.	Bulb compatibility; dimming range not optimized.	Verify bulb compatibility. Adjust the high-end and low-end trim settings (refer to user guide).

For more comprehensive troubleshooting, please consult the official [User Guide \(PDF\)](#).

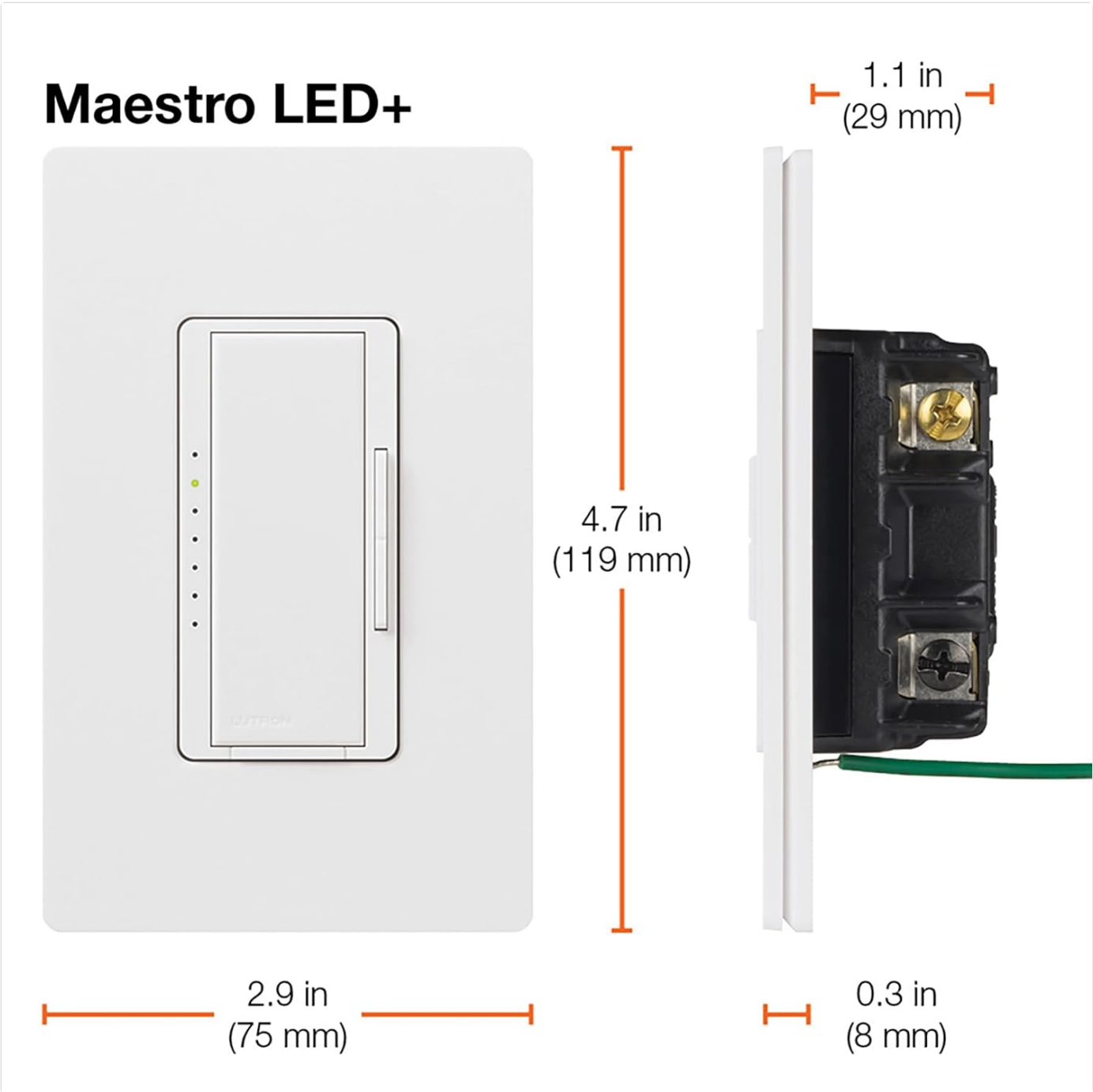


Image Description: A diagram showing the dimensions of the Maestro LED+ Dimmer Switch. The front face measures 2.9 inches (75 mm) wide by 4.7 inches (119 mm) high. The depth from the wall surface is 0.3 inches (8 mm), and the total depth including the internal components is 1.1 inches (29 mm).

Feature	Detail
Model Number	MACL-153M-WH
Brand	Lutron
Operation Mode	ON-DIM-OFF
Current Rating	8.3 Amps
Operating Voltage	120 Volts

Feature	Detail
Contact Type	Normally Open
Connector Type	Screw
Circuit Type	Single Pole, 3-Way with Maestro Companion Dimmer
Mounting Type	Wall Mount
Product Dimensions	1.44 x 2.94 x 4.69 inches
Weight	2.4 ounces
Max Load (LED/CFL)	150 Watts
Max Load (Incandescent/Halogen)	600 Watts

WARRANTY

Lutron offers a **10-year warranty** for this product with registration. A 5-year warranty is provided without registration. For full warranty details and registration information, please refer to the official [Warranty \(PDF\)](#) document.

CUSTOMER SUPPORT

Lutron provides 24/7, U.S.-based lifetime technical support for any troubleshooting issues or questions you may have.



Image Description: A professional customer support representative is shown wearing a headset and smiling while actively working at a computer, symbolizing the availability of 24/7 support.

For assistance, please visit the Lutron website or contact their customer service directly. Contact information can typically be found on the product packaging or the official Lutron website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question