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› Lutron MRF2-8S-DV-WH Maestro Wireless 8 Amp Multi-location Switch User Manual

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Model: MRF2-8S-DV-WH | Brand: Lutron

1. OVERVIEW

The Lutron Maestro Wireless 8 Amp Multi-location Switch (model MRF2-8S-DV-WH) is designed to provide control for lighting and fans in various locations. This switch utilizes Clear Connect Radio Frequency (RF) Technology for reliable communication within a system of up to 10 devices. It is compatible with incandescent, halogen, MLV, ELV, non-dim fluorescent ballasts, and general-purpose fans.

Key features include:

- Controls an 8 Amp light or a 5.8 Amp fan.
- Supports multi-location control with up to 10 companion devices.
- Features Clear Connect RF Technology for robust wireless communication.
- Integrated LED indicator glows brightly when on and softly when off, serving as a night light.
- Designed for standard single-pole and 3-way wiring configurations.



Figure 1: Front view of the Lutron Maestro Wireless 8 Amp Multi-location Switch. The switch features a clean white finish with a small green LED indicator light on the left side and the Lutron logo at the bottom.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock. Improper installation can result in serious injury or death. Always turn off power at the circuit breaker or fuse box before installing or servicing this device. This product must be installed in accordance with all national and local electrical codes.

- Do not use with any device that exceeds the specified wattage or amperage.
- For indoor use only.
- Ensure all wire connections are secure and properly insulated.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- This device is designed for 120 V~ 60 Hz operation.

3. SPECIFICATIONS

Feature	Detail
Model Number	MRF2-8S-DV-WH
Brand	Lutron
Operating Voltage	120 Volts
Current Rating	8 Amps (lights), 5.8 Amps (fans)
Wattage	960 watts
Circuit Type	Single-pole, 3-way
Connectivity Protocol	Radio Frequency (RF) - Clear Connect
Actuator Type	Push Button
International Protection Rating	IP54
Dimensions (L x W x H)	2.5 x 2.5 x 4.5 inches
Color	White
Warranty	1 year limited warranty



Figure 2: Close-up view of the product label on the back of the Lutron Maestro Wireless Switch, showing model number, electrical ratings (120-277V~, 50/60Hz, 8A Lighting/5.8A Fan), and regulatory information.

4. INSTALLATION

Before beginning installation, ensure you have read and understood all safety warnings. This switch is designed for easy installation in standard single-pole and 3-way wiring configurations.

4.1 Tools Required

- Screwdriver (Phillips and/or flathead)
- Wire strippers
- Electrical tape
- Voltage tester

4.2 Installation Steps

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the switch you are replacing. Turn off the power completely. Verify power is off using a voltage tester.
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, noting their connections.
3. **Identify Wires:** Identify the line (hot), load, neutral (if present), and ground wires. For 3-way installations, identify the traveler wires.
4. **Wire the New Switch:** Connect the wires from the wall box to the Lutron Maestro switch according to the wiring diagram for your specific installation (single-pole or 3-way). Use wire nuts to secure connections.



Figure 3: Rear view of the Lutron Maestro Wireless Switch, showing the terminal screws for wiring connections and the green ground wire. Labels indicate "TURN OFF POWER / ARRETEZ LE COURANT" for safety.

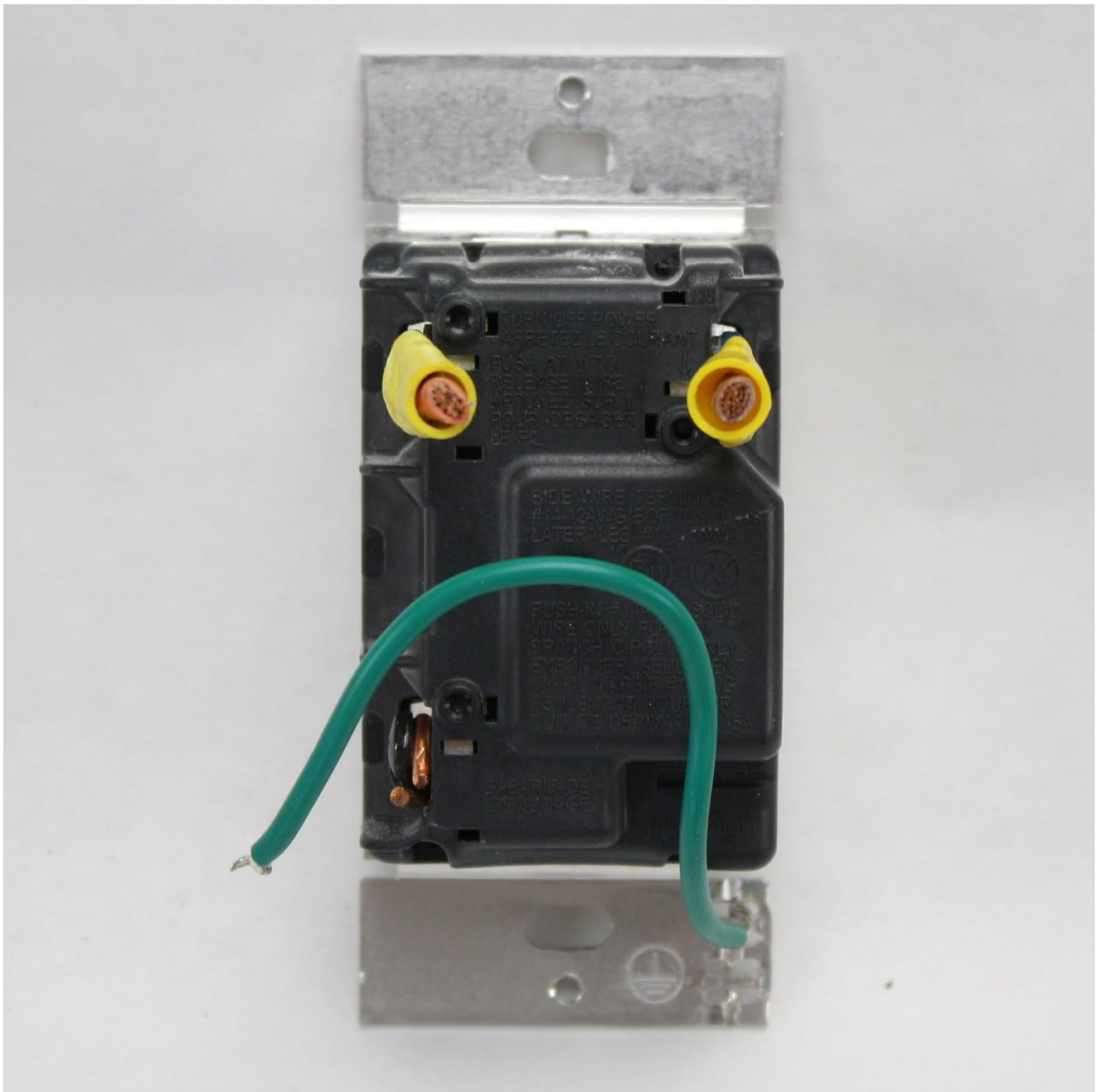


Figure 4: Rear view of the Lutron Maestro Wireless Switch with yellow wire nuts attached to the wiring, demonstrating typical wire connection methods during installation.

5. **Mount the Switch:** Gently push the wired switch into the wall box. Secure it with the provided screws.
6. **Attach Wall Plate:** Install the new wall plate (sold separately, coordinates with Claro wall plates).
7. **Restore Power:** Turn the power back on at the circuit breaker.
8. **Test Operation:** Test the switch to ensure proper functionality.

5. OPERATION

The Lutron Maestro Wireless Switch is designed for intuitive control of your lights or fan.

- **Turning On/Off:** Press the large paddle switch to toggle the connected load (lights or fan) on or off.
- **LED Indicator:** A small LED on the switch illuminates brightly when the connected load is on. When the load is off, the LED glows softly, providing a subtle night light.
- **Multi-location Control:** When paired with compatible companion devices (up to 10), the switch can be controlled from multiple locations within the system. Refer to the companion device's instructions for pairing procedures.

6. TROUBLESHOOTING

If you experience issues with your Lutron Maestro Wireless Switch, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Switch does not turn on/off load.	◦ Ensure power is restored at the circuit breaker. ◦ Check all wire connections for security and proper contact. ◦ Verify the load (light bulb, fan) is functional. ◦ Confirm the switch is wired correctly for single-pole or 3-way application.
LED indicator is not working.	◦ If the load is off, the LED should glow softly. If it's completely off, check power supply. ◦ If the load is on, the LED should glow brightly. If not, check power and connections.
Multi-location control not working.	◦ Ensure all companion devices are properly paired with the main switch. ◦ Verify companion devices are receiving power. ◦ Check for excessive interference with RF signals.

If the problem persists after attempting these solutions, contact Lutron Technical Support.

7. MAINTENANCE

The Lutron Maestro Wireless Switch requires minimal maintenance.

- **Cleaning:** To clean the switch, wipe it with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- **No User-Serviceable Parts:** There are no user-serviceable parts inside the switch. Do not attempt to open or repair the device.

8. WARRANTY AND SUPPORT

Warranty: The Lutron Maestro Wireless Switch (MRF2-8S-DV-WH) is covered by a **1-year limited warranty** on materials and manufacture from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

Technical Support: For technical assistance, wiring questions, or troubleshooting beyond the scope of this manual, please contact Lutron Technical Support. Lutron offers 24/7 technical support for their products. Contact information for Lutron Technical Support can typically be found on the official Lutron website or included with the product packaging.

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