3-Way Kit Installation

Incandescent/Halogen Dimmer with Radio Frequency Receiver

MRF-600M 120 V – 60 Hz 600 W
MRF-600M 120 V – 60 Hz 600 W

Radio Frequency Wireless Controller with One-Touch Favorite Button

MRF-VCTX 6 V = 1.5 mW
MRF-VCTX 6 V = 1.5 mW

Accessory Dimmer (Companion Dimmer)

MA-R 120 V – 60 Hz 8.3 A
MSC-AD 120 V – 60 Hz 8.3 A

Important Notes:

Please read before installing.

1. Caution: To avoid overheating and possible damage to other equipment, do not use to control receptacles, fluorescent light fixtures, motor-operated or transformer-supplied appliances, or electronic low-voltage lighting fixtures.

2. Install in accordance with all national and local electrical codes.

3. DO NOT use Maestro Wireless. Dimmers for compact fluorescent (Energy Saver) lamps. Installation in accordance with all national and local electrical codes.

4. Do not paint Dimmers, Maestro Accessory Dimmers (MA-R, MSC-AD), or Wireless Controllers.

5. Maestro Wireless. Dimmers are not compatible with standard 3-way/4-way switches. Use only with Maestro Accessory Dimmers (MA-R, MSC-AD) or Wireless Controllers.

6. Maestro Accessory Dimmers (MA-R, MSC-AD) can be used individually and must be used in conjunction with a Maestro Wireless dimmer (4-way) application. Use only with Maestro Accessory Dimmer (MA-R, MSC-AD) is 250 feet (76 m).

7. Clean Dimmers and Wireless Controllers with a soft damp cloth only. Do not use any chemical cleansers.

8. Do not use in incandescent/Halogen Dimmers for Electronic Low-Voltage or Magnetic Low-Voltage lighting.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference and
2. This device must accept any interference that may cause undesired operation.

Multigang Installations

When installing more than one control in the same wallbox, it may be necessary to remove all inner side sections prior to wiring (see below). Using pliers, bend side section up and down until it breaks off. Repeat for each side section to be removed. Removal of dimmer side sections reduces maximum load capacity. Refer to the Dimmer Capacity Chart below.

Dimmer Capacity Chart

<table>
<thead>
<tr>
<th>Model</th>
<th>No Sides Removed</th>
<th>1 Side Removed</th>
<th>2 Sides Removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRF-600M</td>
<td>600 W</td>
<td>500 W</td>
<td>400 W</td>
</tr>
<tr>
<td>MRF-600M</td>
<td>600 W</td>
<td>500 W</td>
<td>400 W</td>
</tr>
</tbody>
</table>

This Wireless Controller is compatible with most HomeLink® equipped Vehicles. Please see the vehicle manufacturer's instructions for programming information.

Troubleshooting

Symptoms Possible Causes
Light does not turn OFF or no Wireless Controller is pressed.

Press and hold the Dimmer's On button. The LED will extinguish if the Dimmer is turned on.

Light does not turn ON or no Wireless Controller is turned OFF.

Wireless Controller button is pressed.

Wireless Controller button is pressed.

Wireless Controller is turned OFF.

Wireless Controller is turned ON.

Wireless Controller is turned OFF.

Wireless Controller is turned ON.

Wireless Controller is turned OFF.

Wireless Controller is turned ON.

Wireless Controller is turned OFF.

Wireless Controller is turned ON.

Wireless Controller is turned OFF.

Wireless Controller is turned ON.

Wireless Controller is turned OFF.

Wireless Controller is turned ON.

Wireless Controller is turned OFF.
1 Turning Power OFF

• Turn power OFF at circuit breaker (or remove fuse).

2 Removing the Wallplate and the Switch

• Remove the wallplate and switch mounting screws.
• Carefully remove switch from wall (do not remove wires).

3 Tagging the Wire on the COMMON Terminal of the Switches

• Before removing wires from the switches, the COMMON terminal must be identified.

4 Disconnecting the Switch Wires

Important Note:
The wall switch may have two wires attached to the same screw (see illustrations below for examples). Tape these two wires together before disconnecting. When rewiring, connect wires to the Dimmer the same way they were connected to the switch.

5 Wiring

Important Wiring Information

The Dimmer has a pre-installed Lutron Claro wallplate. Remove the wallplate before proceeding with the installation; this will expose mounting holes in the adapter, and prevent wallplate damage while installing.

6 Push-In Terminals: Insert wires firmly. Note: Push-in terminals are for use with #12 AWG solid copper wire only. Do NOT use stranded or twisted wire.

3-Way Wiring

- Wiring the Dimmer: NPR-600M or NPRS-600M
  - Using the wire connector provided, connect the green ground wire on the Dimmer to the bare copper or green ground wire in the wallbox. Do not connect to any other wire. (See Important Note 4 on other side.)
  - Connect the tagged wire removed from the switch in step 3 to the black screw terminal on the Dimmer. If your switch had two wires attached to the same terminal, connect both wires to the Dimmer terminal.
  - Connect one of the remaining wires removed from the switch to the black screw terminal on the Dimmer.
  - Connect the remaining wire removed from the switch (note wire color) to the blue screw terminal on the Dimmer.

- Wiring the Accessory Dimmer (Companion Dimmer) MA-R or MASC-AD
  - Using the wire connector provided, connect the green ground wire on the Accessory Dimmer to the bare copper or green ground wire in the wallbox. Do not connect to any other wire. (See Important Note 4 on other side.)
  - Connect the tagged wire removed from the switch in step 3 to the black screw terminal on the Accessory Dimmer. If the switch had two wires attached to the same terminal, connect both wires to the Accessory Dimmer terminal.
  - Connect the same color wire connected to the blue screw terminal on the Dimmer to the blue screw terminal on the Accessory Dimmer.
  - Connect the remaining wire removed from the switch to the red screw terminal on the Accessory Dimmer.

7 Mounting the Dimmer and the Accessory Dimmer to the Wallbox

- Form wires carefully into the wallbox, mount and align Dimmer. Align Dimmer and tighten screws.

- Replace Claro wallplate.

8 Turning Power ON

- Turn power ON at circuit breaker (or remove fuse).

9 Optional Wireless Controller Mounting Methods

Car Visor Mounting

1. Attach the visor clip to the Wireless Controller.
2. Mount the Wireless Controller onto the vehicle’s visor.

Wall Mounting

1. Attach wall clip to wall using the supplied screws and wall anchors. When mounting the Wireless Controller horizontally, make sure that the red stop is at the bottom. NOTE: Drill pilot holes for the wall anchors using a 3/16 in drill bit.

Horizontal Mounting or Vertical Mounting

End stop

2. Slide Wireless Controller onto wall clip. The wall clip slides into the channel on the back of the Wireless Controller.

FCC Information

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by Lutron Electronics Co. could void the user’s authority to operate this equipment.

Limited Warranty

(U.S.A. and Canada 24 hrs/7days)
1-800-523-9466
Other countries 9am – 8pm ET  +1-610-282-3090
Fax +1-610-282-3800
http://www.lutron.com

This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitation on how long an implied warranty may last, so the above limitations may not apply to you.

This product is covered under one or more of the following U.S. patents: 5,817,837; 5,248,919; 5,395,940; 5,193,930; 5,798,581; 6,369,377; 6,380,896; 3,503,798; and corresponding foreign patents, U.S. and foreign patents pending. Lutron, Claro, Maestro, and Maestro Wireless are registered trademarks and PASS is a trademark of Lutron Electronics Co., Inc. Home Link is a registered trademark of Johnson Controls Technology Company. NEC is a registered trademark of the National Fire Protection Association, Quincy, Massachusetts.

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