

120 V Halogen / Incandescent Dimmer

Rated at 120 V~ 60 Hz 600 W

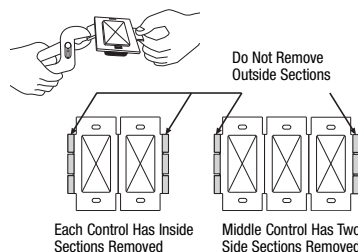
Important Notes

Please read before installing.

- Caution:** Use only with permanently-installed 120 V~ halogen or incandescent fixtures. To avoid overheating and possible damage to other equipment, do not use to control receptacles, fluorescent lighting fixtures, motor-driven appliances, or transformer-supplied appliances.
- Install in accordance with all national and local electrical codes.
- Only one dimmer can be used in a 3-way circuit.
- When no "grounding means" exist within the wallbox then the NEC® 2008, Article 404.9 allows a dimmer without a grounding connection to be installed as a replacement, as long as a plastic, noncombustible wallplate is used. For this type of installation, cap or remove the green ground wire on the dimmer and use an appropriate wallplate such as Claro® or Fassada® series wallplates by Lutron.
- For new installations, install a test switch before installing the dimmer.
- Protect dimmer from dust and dirt when painting or spackling.
- Recommended minimum load is 40 W.
- It is normal for the dimmer to feel warm to the touch during operation.
- Clean dimmer with a soft damp cloth only.** Do not use any chemical cleaners.

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 diagram). If pre-installed, remove the Lutron® wallplate and wallplate adapter from dimmer. 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 chart below for maximum dimmer capacity.



Dimmer Capacity Chart

Dimmer Rating	No sides removed	1 side removed	2 sides removed
600 W	600 W	500 W	400 W

Technical Assistance

If you have questions concerning the installation or operation of this product, call the **Lutron Technical Support Center**. Please provide exact model number when calling.



U.S.A. and Canada (24 hrs/7days)
1.800.523.9466

México
+1.888.235.2910

Other countries 8am – 8pm ET
+1.610.282.3800



Fax +1.610.282.6311



<http://www.lutron.com>

Limited Warranty

(Valid only in U.S.A., Canada, Puerto Rico, and the Caribbean.)

Lutron will, at its option, repair or replace any unit that is defective in materials or manufacture within one year after purchase. For warranty service, return unit to place of purchase or mail to Lutron at 7200 Suter Rd., Coopersburg, PA 18036-1299, postage pre-paid.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES, AND THE IMPLIED WARRANTY OF MERCHANTABILITY IS LIMITED TO ONE YEAR FROM PURCHASE. THIS WARRANTY DOES NOT COVER THE COST OF INSTALLATION, REMOVAL OR REINSTALLATION, OR DAMAGE RESULTING FROM MISUSE, ABUSE, OR DAMAGE FROM IMPROPER WIRING OR INSTALLATION. THIS WARRANTY DOES NOT COVER INCIDENTAL OR CONSEQUENTIAL DAMAGES. LUTRON'S LIABILITY ON ANY CLAIM FOR DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE MANUFACTURE, SALE, INSTALLATION, DELIVERY, OR USE OF THE UNIT SHALL NEVER EXCEED THE PURCHASE PRICE OF THE UNIT.

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.

Lutron, Fassada, and Claro are registered trademarks of Lutron Electronics Co., Inc. NEC is a registered trademark of National Fire Protection Association, Quincy, Massachusetts.

© 2009 Lutron Electronics Co., Inc.

LUTRON®

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299, U.S.A.
Made and printed in U.S.A.
9/09 P/N 030-1107 Rev. A

English

Models:

D-603PG
LG-603PG
S-603PG

Lutron Technical Support Center

1.800.523.9466

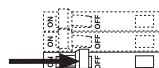
24 hrs / 7 days

www.lutron.com

Installation

1 Turning OFF Power.

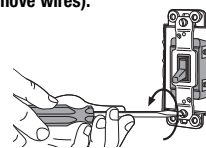
- Turn power OFF at circuit breaker (or remove fuse).



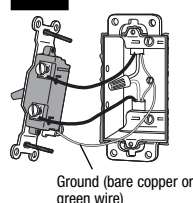
WARNING: Shock Hazard. May result in serious injury or death. **Turn off power at circuit breaker before installing the unit.**

2 Removing Wallplate and Switch.

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

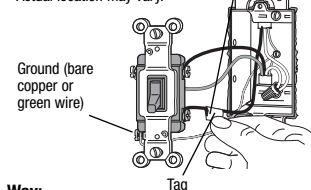


3 Identifying the Type of Circuit.



Or

Different-colored screw (COMMON).
Actual location may vary.



Single-Pole:

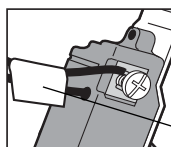
Insulated wires connected to two screws of the same color. Replace with a Single-Pole dimmer. **See Step 5a when wiring.**

3-Way:

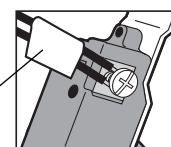
Insulated wires connected to three screws. Two screws are the same color and the other is a different color (COMMON), not green. **Tag** the wire that is connected to the different color screw to identify it when rewiring. Replace with a 3-Way dimmer. **See Step 5b when wiring.**

4 Disconnecting Switch Wires.

Important Note: Your wall switch may have one continuous wire attached to the same screw (see illustrations below for examples). Tape these two wires together before disconnecting.

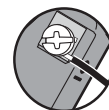


One wire in the backwired hole and one to the screw.

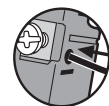


One continuous wire to the screw.

Tag



Screw Terminals:
Turn screws to loosen.



Push-In Terminals:
Insert screwdriver. Pull wire out.

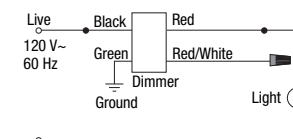
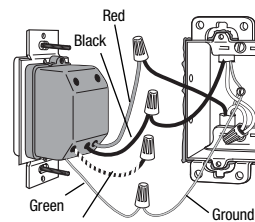
5 Wiring the Dimmer.

- For installations involving more than one control in a wallbox, refer to the section on Multigang Installations before beginning.

Helpful Hints:

- The red/white wire is not used in a single-pole application. Twist a wire connector onto this wire if the Dimmer is used for a single-pole application.
- Dimmer wire locations will vary by product. Reference wires by color, not location.

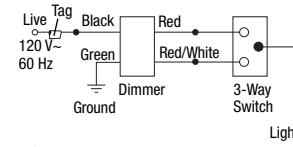
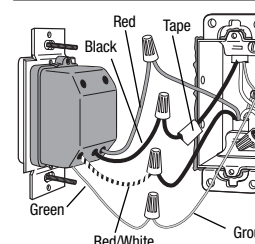
5a - Single-Pole Wiring



- Connect the **green** dimmer ground wire to the bare copper or green ground wire in the wallbox. (See Important Note 4.)
- Connect the **black** dimmer wire to one of the wires removed from the switch. If you had taped together two wires (see step 4), connect both wires to the black dimmer wire and remove the tape.
- Connect the **red** dimmer wire to the other wire removed from the switch.
- Twist a wire connector onto the **red/white** dimmer wire; this wire does not get connected.

This operation has now been completed.

5b - 3-Way Wiring



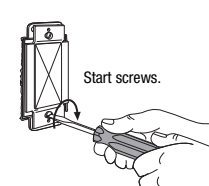
Note: Only one dimmer can be used in a 3-way circuit.

- Connect the **green** dimmer ground wire to the bare copper or green ground wire in the wallbox. (See Important Note 4.)
- Connect the **black** dimmer wire to the wire removed from the different-colored screw on the switch (taped wire). If you had taped together two wires (see step 4), connect both wires to the black dimmer wire. Remove tape from wire.
- Connect the **red** dimmer wire to one of the remaining wires removed from the switch.
- Connect the **red/white** dimmer wire to the other remaining wire removed from the switch.

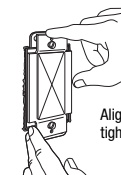
This operation has now been completed.

6 Mounting Dimmer to Wallbox.

- Form wires carefully into the wallbox, mount and align dimmer.
- Install wallplate.

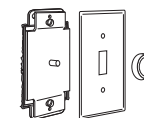


Start screws.



Align dimmer and tighten screws.

For D-603PG: To install a traditional style wallplate, firmly pull the rotary knob to remove it. Install the wallplate and re-attach the knob.



7 Turning ON Power.

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



