

# Quick-Start Guide

## SwitchLinc™ Dimmer – INSTEON® Remote Control Dimmer Switch (Dual-Band)

Model: 2477D



### Introduction

Remotely control any light in your home at the touch of a button. Use the paddle on SwitchLinc to control other Linked INSTEON devices. Or send commands to SwitchLinc from an INSTEON Controller.

SwitchLinc also works as an INSTEON signal repeater and can be used to bridge the power phases in your home (like an Access Point, #2443). Use indoors only.

### Preparation

Installation should be performed only by a qualified electrician or by a homeowner who is familiar and comfortable with electrical circuitry. If you have any questions regarding installation, we suggest consulting an electrician. If you have any questions regarding setup, contact Smarthome Tech Support.

### Tools Needed

- Phillips and Standard screwdriver
- Wire cutter / stripper
- Voltage tester to identify wires inside the junction box

### Installation (Typical, 2-Way Circuit)

**Note:** For Multi-Way Circuit installation, refer to the Owner's Manual.

- 1) At the circuit breaker or fuse panel, disable the circuit supplying power to the switch
- 2) Remove the faceplate from the existing switch, then unscrew the switch and pull it out from the junction box
- 3) Disconnect the wires from the switch you are replacing and ensure you have 1/2" of bare wire on the ends
- 4) To correctly identify the LINE, LOAD, NEUTRAL, and GROUND wires, enable power to the switch from the circuit breaker or fuse panel, use a line voltage meter, then turn the breaker off again. See Figure 1 to properly connect your wires to the INSTEON device.  
**Note:** Mechanical switches don't utilize NEUTRAL wires, but they are usually available in the back of the switch box.
- 5) Ensure that all wire connectors are firmly attached and that there is no exposed copper except for the GROUND wire
- 6) Orient SwitchLinc with the LED bar at the left, gently place it into the junction box, and then screw it into place
- 7) Enable power to the switch from the circuit breaker or fuse panel
- 8) Test that SwitchLinc is working properly by turning the light on and off
- 9) Reinstall the faceplate

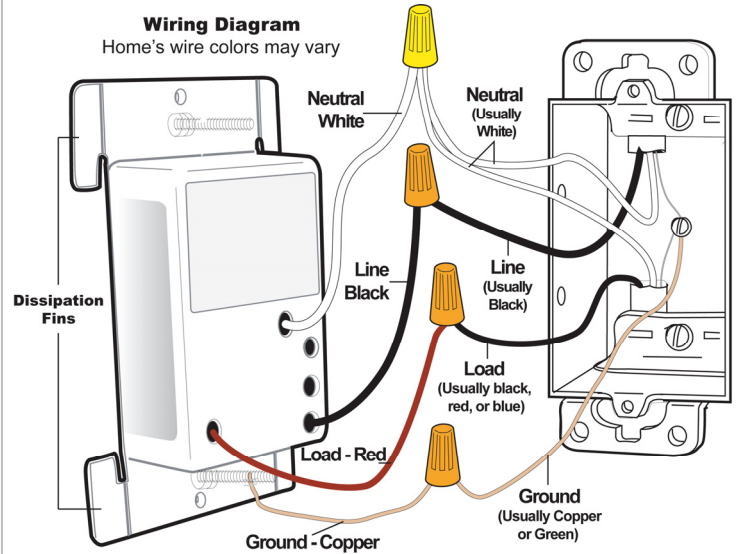
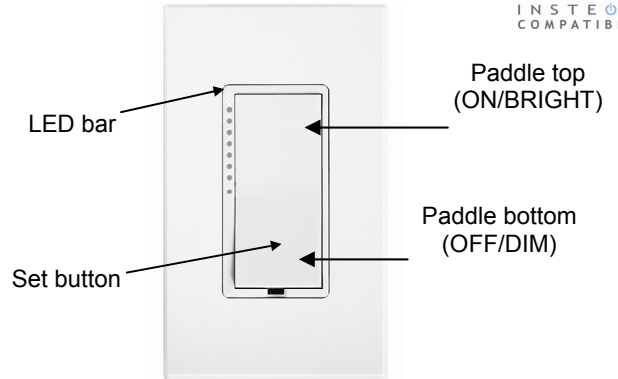


Figure 1

### Using SwitchLinc

- **Tap** the paddle top to turn your light on (to its programmed On-Level and Ramp Rate)
- **Tap** the paddle bottom to turn your light off (at its programmed Ramp Rate)
- **Press & hold** the paddle top to brighten your light
- **Press & hold** the paddle bottom to dim your light
- **Double-tap** the paddle top to turn your light to full-bright instantly
- **Double-tap** the paddle bottom to turn your light off instantly

## Using SwitchLinc as a Controller

- 1) Press & hold the paddle top until the unit beeps (about 10 seconds)  
*The top LED will begin blinking green and the controlled light will flash*  
You will have 4 minutes to complete the next step.
- 2) Select the INSTEON device you would like to control and activate its Linking Mode  
*SwitchLinc will double-beep and its LED will stop blinking and turn on solid green if the controlled light is on or solid red if the light is off*
- 3) Confirm the Link was successful by tapping the SwitchLinc paddle top on and off  
*The device SwitchLinc is controlling should respond appropriately*

## SwitchLinc Dimmer (Dual-Band)

## Using SwitchLinc as a Responder

- 1) Select an INSTEON-compatible Controller and activate its Linking Mode.  
You will have 4 minutes to complete the next step.
- 2) Press & hold the paddle top on SwitchLinc until the unit double-beeps (about 10 seconds)  
*The top LED will flash, and then turn on solid green if the controlled light is on and solid red if the light is off*
- 3) Confirm the Link was successful by tapping the On and Off buttons you just Linked to  
*SwitchLinc should respond appropriately*

## Using SwitchLinc to Bridge Phases

SwitchLinc can help bridge the phases in your home like an Access Point, allowing RF-only devices (e.g., RemoteLinc) access to power line-only devices (e.g., ApplianceLinc). For the best INSTEON network performance, it is recommended that you install at least two dual-band products. Search for dual-band INSTEON products at <http://www.smarthome.com/dualband>.

Use the following procedure to test that the phases have been bridged.

- 1) Start Phase Bridging Detection Mode by tapping the SwitchLinc Set button 4 times quickly  
*SwitchLinc will begin beeping continuously once per second and the LED will be solid green*
- 2) Check the LED behavior of your other dual-band devices. Verify at least one of your dual-band device's LEDs responds as follows:  
*Your other dual-band device LED will blink green, or be bright solid white or blue*
- 3) If none of your dual-band devices exhibit the behavior in step 2, they are on the same power phase. Try:
  - Following steps 1 and 2 with other dual-band devices to see if they are bridging the phases
  - Moving your other dual-band devices to other locations until they exhibit the desired LED behavior
- 4) Tap the Set button on SwitchLinc to exit Phase Bridging Detection Mode  
*SwitchLinc will stop beeping*

## Complete Instructions, Troubleshooting, and Tech Support

Owner's Manual: [http://wiki.smarthome.com/index.php?title=2477D\\_Manual](http://wiki.smarthome.com/index.php?title=2477D_Manual)

Call: Tech Support @ 1-800-SMARTHOME (800-762-7846)

Contact Us Online: <http://www.smarthome.com/contactus.html>

## ETL/UL Warning

CAUTION - To reduce the risk of overheating and possible damage to other equipment do not install to control a receptacle, a motor-operated appliance, a fluorescent lighting fixture, or a transformer-supplied appliance.

Gradateurs commandant une lampe a filament de tungstene – afin de reduire le risque de surchauffe et la possibilite d'endommagement a d'autres materiels, ne pas installer pour commander une prise, un appareil a moteur, une lampe flourescente ou un appareil alimente par un transformateur.

## FCC & Industry Canada Compliance Statement

This device complies with FCC Rules Part 15 and Industry Canada RSS-210 (Rev. 7). Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital circuitry of this device 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 residential installations. 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. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:

- Re-orient or re-locate the receiving antenna of the device experiencing the interference
- Increase the distance between this device and the receiver
- Connect the device to an AC outlet on a circuit different from the one that supplies power to the receiver
- Consult the dealer or an experienced radio/TV technician

WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.