

SwitchLinc™ On/Off Relay
INSTEON® Remote Control Switch
Owner's Manual (rev 6.0+)
(#2476Sxxx)



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- Simple—each device takes mere minutes to install.
- Reliable—every INSTEON device works as a network repeater, ensuring your commands will not be lost.
- Affordable—INSTEON is easily integrated with any number of devices at a very low cost.

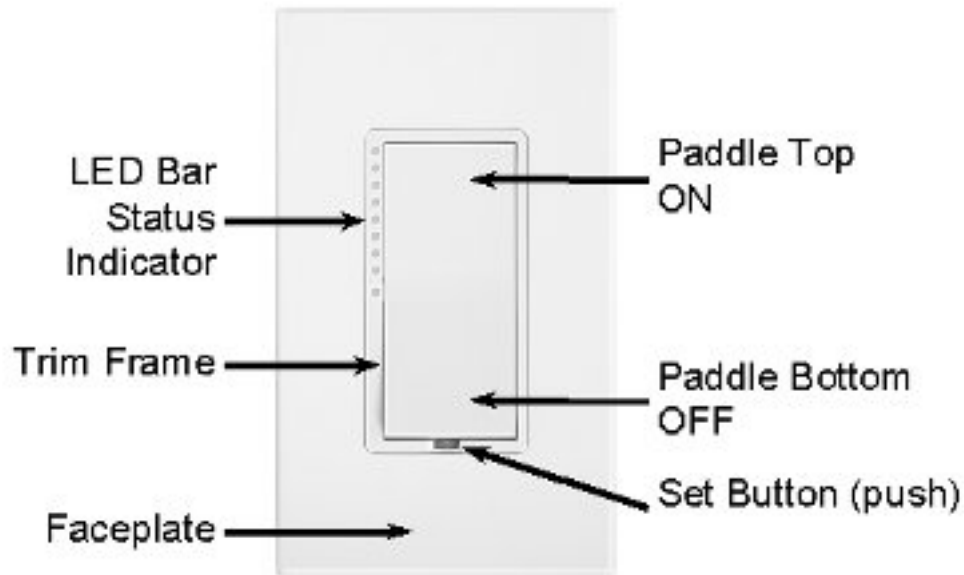
An INSTEON networked home grows in value with each added device, making your daily life more convenient, safe and fun.

SwitchLinc On/Off Relay – Features and Benefits

Congratulations on purchasing the high-quality INSTEON SwitchLinc On/Off Relay remote control switch. With its elegant look, smooth touch and stylish LED bar, you can not only control the lights you wire to it, but add remote control to all kinds of other INSTEON devices in your home to match your lifestyle. Besides controlling other devices, SwitchLinc itself can be remotely operated from other INSTEON controllers, including other SwitchLinc modules.

Features

- Quick setup with status LED and beeper.
- Links to other INSTEON devices in minutes.
- Controls all standard incandescent lights up to 480 watts/13 amps.
- Rocker paddle action: tap top to turn off and bottom to turn on.
- LED bar indicates status (on/off) and acts as a gentle nightlight when light is off.
- Swap out default white LED bar with optional green, blue, amber or red LED kit.
- Change paddle and trim frame colors with optional ivory, almond, black, brown or gray kits.
- Wires in like a standard wall switch (Neutral connection required).
- Supports virtual 3-, 4- or more-way circuits with multiple SwitchLinc modules.
- Two-year warranty.



What's in the Box?

- SwitchLinc On/Off Relay
- Quick Start Guide
- Two (2) mounting screws
- Four (4) wire nuts

Preparing to Install SwitchLinc

CAUTIONS AND WARNINGS

Read and understand these instructions before installing and retain them for future reference.

This product is intended for installation in accordance with the National Electric Code and local regulations in the United States or the Canadian Electrical Code and local regulations in Canada. Use indoors only. This product is not designed or approved for use on power lines other than 120V 60Hz, single phase. Attempting to use this product on non-approved power lines may have hazardous consequences.

Recommended installation practices:

- Use only indoors or in an outdoor rated box.
- Be sure that you have turned off the circuit breaker or removed the fuse for the circuit you are installing this product into. Installing this product with the power on will expose you to dangerous voltages.
- Connect using only copper or copper-clad wire.
- This product may feel warm during operation. The amount of heat generated is within approved limits and poses no hazards. To minimize heat buildup, ensure the area surrounding the rear of this product is as clear of clutter as possible.
- Each INSTEON product is assigned a unique INSTEON I.D., which is printed on the product's label.
- To reduce the risk of overheating and possible damage to other equipment, do not use this product to control Loads in excess of the specified maximum(s) or, install in locations with electricity specifications which are outside of the product's specifications.

Identifying the Electrical Wires in Your Home

- Line – carries 120VAC electricity into the wall box, may also be called hot, live or power, commonly black
- Neutral – returns 120VAC to power company, commonly white and in a multi-wire bundle
- Load – connects to light/load device, commonly black and in a separate cable jacket
- Ground – connection to electrical ground, commonly a bare wire, a green wire or a screw on a metal box

IMPORTANT!

If you have any difficulties or questions, consult an electrician. If you are not knowledgeable about and comfortable with electrical circuitry, have a qualified electrician install the product for you.

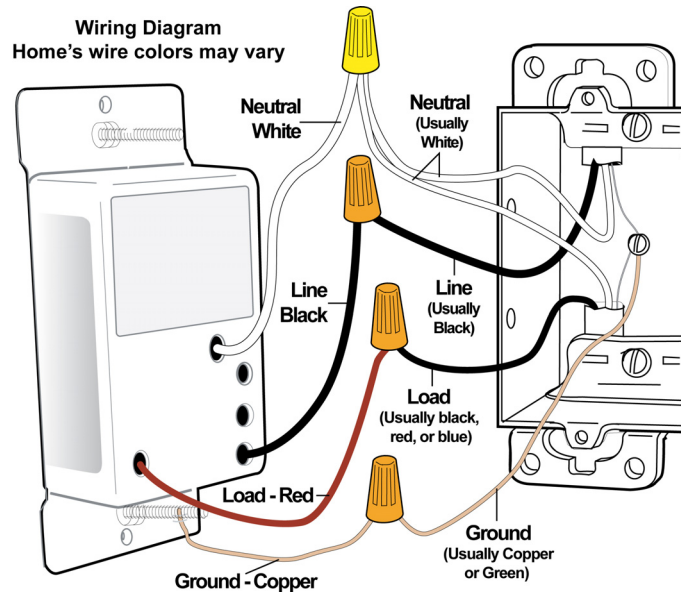
Tools Needed

- Flathead screwdriver
- Wire cutter/stripper
- Phillips screwdriver
- Voltage meter

Installing SwitchLinc in a Typical 2-Way Circuit

- 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 and turn the breaker off again. (Refer to wiring diagram below 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.

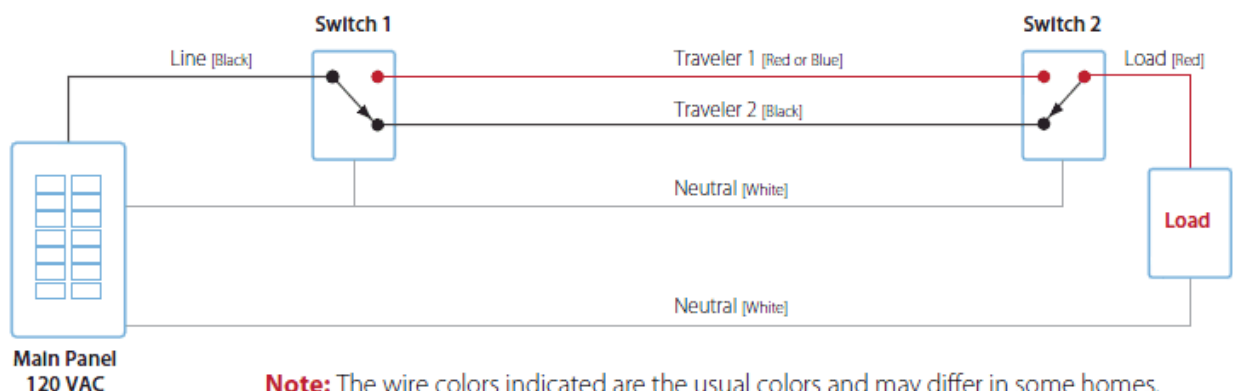
- 6) Orient SwitchLinc with the LED bar at the left, gently place it into the junction box and screw it into place.
- 7) Enable power to the switch from the circuit breaker or fuse panel.
- 8) Test that SwitchLinc is working properly by using the paddle to turn the light on and off.
- 9) Reinstall the faceplate.



***Note:** the Neutral wire will not normally be connected to the switch you are replacing. If there is no Neutral wire in the box, consult an electrician or call the INSTEON Support Line at 1-800-762-7845.*

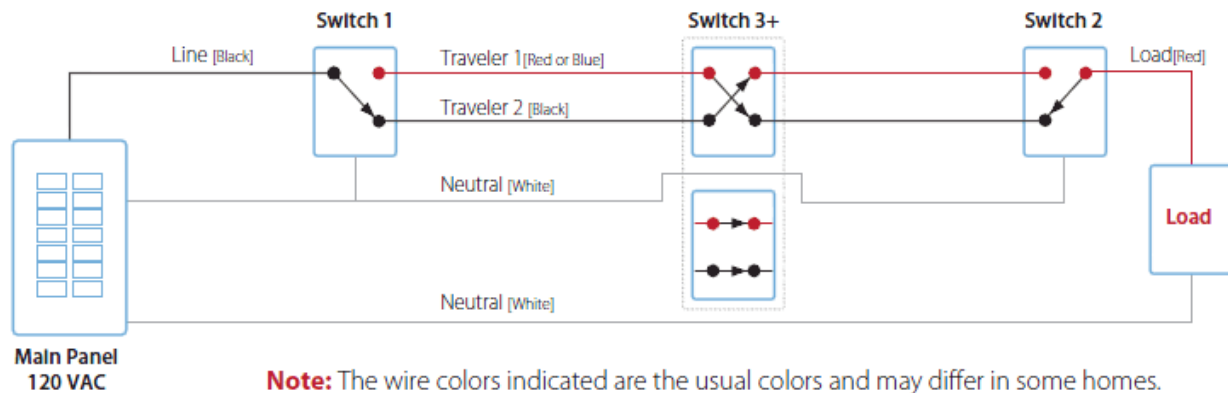
Understanding Multi-Way Circuits

If more than one switch controls a single set of lights (or load), the switches are part of a multi-way circuit. A 3-way uses two switches to control one load, a 4-way circuit uses three switches and so on. Most homes have one or more 3-way circuits, such as two switches located on opposite ends of hallways or at two different entrances to a room. Circuits that are 4- or more-way are less common. Here is how a typical wired-in 3-way circuit (with two switches) works:



Note: The wire colors indicated are the usual colors and may differ in some homes.

A wired-in 4- or more-way circuit (with three or more switches) has additional switches added in the middle of the circuit. In the diagram below, the additional switch (Switch 3+) is shown in two different positions, since wiring can vary from home to home.

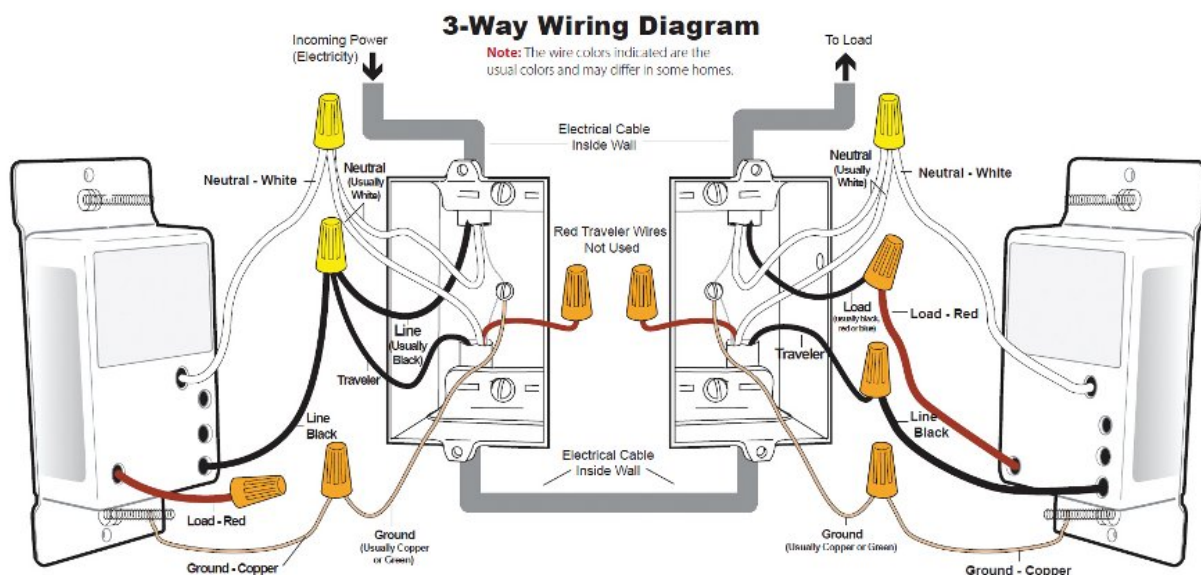


To learn more about multi-way circuits, go to your preferred Internet search engine and enter the search terms “3-way switch” or “4-way switch.”

Using SwitchLinc in Virtual Multi-Way Circuits

You can use SwitchLinc modules to replace switches in multi-way circuits that are already wired in or to create multi-way circuits where there is no existing wiring. These are called virtual multi-way circuits. In a virtual multi-way circuit, only one SwitchLinc (called the SwitchLinc Primary) is actually connected to and controls the load. Any additional SwitchLinc modules (called SwitchLinc Secondaries) are only connected to the powerline via the Line and Neutral wires. All the SwitchLinc modules can communicate with one another using INSTEON networking on the powerline. After wiring in the SwitchLinc modules, you can create a virtual multi-way circuit by setting up all of the modules to control each other. The diagram below shows how you convert a wired-in 3-way circuit using two SwitchLinc modules.

Note: Actual location of the SwitchLinc wires may differ with product revision or model.



- Notice that the red Traveler wires are not used, so they are capped off at both ends with wire nuts.
 - The black Traveler wire (Traveler 2) is converted to a Line wire.
 - In the SwitchLinc Secondary's junction box, connect Traveler 2 to the existing Line wire and to the SwitchLinc Secondary's Line wire.
 - In the junction box at the other end of the circuit, connect Traveler 2 to the SwitchLinc Primary's Line wire.
- The SwitchLinc Primary's Load wire is connected to the actual lights being controlled.
- The Load wires on all SwitchLinc Secondaries will not be connected to anything, so cap them off with wire nuts.
- All SwitchLinc modules—Primary and Secondaries—must be connected to Neutral and Ground.
 - SwitchLinc will not function without a Neutral.
 - The switches you are replacing usually will not have a Neutral connection.
 - If there is no Neutral wire in the junction box, consult an electrician or call the INSTEON Support Line at 1-800-762-7845.

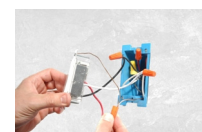
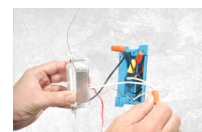
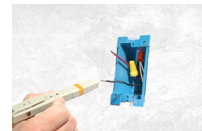
Installing Multi-Way SwitchLinc Modules

When replacing a 3-way mechanical switch, each switch will have three wires connected to it from the wall box. Four- or more-way circuits will have four wires connected to the switches in the center of the circuit. For this tutorial, we will follow the most commonly used wire colors for North American homes:

Line wire (also called Hot)	Black
Neutral wire	White wire bundle
Ground wire	Bare copper, green wire or green screw
Load wire	Red
Traveler wires	Black and/or red

- 1) Disable power at the circuit breaker panel.
- 2) Pull all the switches in the multi-way circuit out of their junction boxes. Each switch should have at least three wires connected to it, depending on whether it is a 3-way, 4-way or more-way circuit.
- 3) Unscrew the wires from the old switches. If the wires cannot be unscrewed, cut the wires where they enter the switch and strip ½" of bare insulation off the ends.
- 4) Turn the electricity back on.

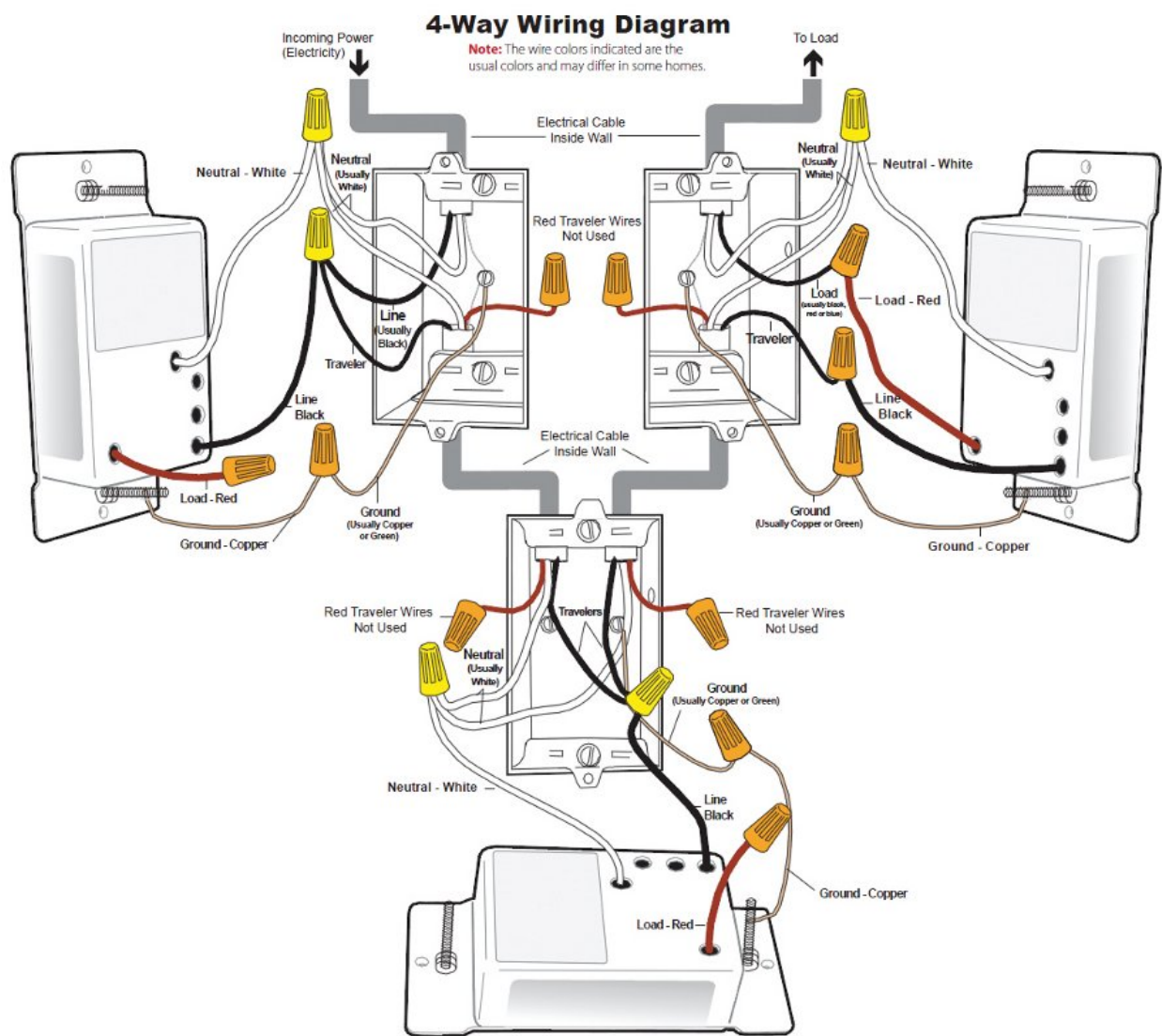
Make sure the wires are not touching anything. They are not grounded and could cause an electrical shock.
- 5) Using a voltage meter, individually test and identify each wire (see Fig. 1). The wire measuring 120VAC is the Line wire (usually black).
- 6) Turn the electricity back off.
- 7) Connect the junction box's Line wire and black Traveler wire to the SwitchLinc Secondary's Line wire. Cap all three wires together with a wire nut (see Fig. 2).
- 8) Cap the junction box's red Traveler wire with a wire nut.
- 9) Cap the SwitchLinc Secondary's red Load wire with a wire nut.
- 10) Locate the Neutral wires (usually a white wire bundle) in the rear of the junction box. Connect SwitchLinc Secondary's white Neutral wire to the box's Neutral wires with a wire nut (see Fig. 3).
- 11) Connect SwitchLinc Secondary's bare copper Ground wire to the junction box's Ground wires with a wire nut (see Fig. 4).
- 12) If necessary, install additional SwitchLinc Secondaries by repeating steps 7-11. See *Special Treatment for 4- or More-Way Circuits* at the end of this section for more information.



- 13) In the junction box where you will install SwitchLinc Primary, identify the Load wire (usually red). This is the wire that carries power from the switch to the load.
- 14) Identify the black Traveler wire. If you are unsure, repeat steps 3-6 to measure the voltage and find the wire measuring 120VAC. This is the wire connected to the Line wire in step 7.
Make sure the electricity is turned off before proceeding.
- 15) Connect SwitchLinc Primary's black Line wire to the junction box's black Traveler wire with a wire nut (see Fig. 2).
- 16) Cap the junction box's red Traveler wire with a wire nut.
- 17) Connect SwitchLinc Primary's red Load wire to the junction box's Load wire with a wire nut.
- 18) Connect SwitchLinc Primary's white Neutral wire to the box's Neutral wires with a wire nut (see Fig. 3).
- 19) Connect SwitchLinc Primary's bare copper Ground wire to the junction box's Ground wires with a wire nut (see Fig. 4).
- 20) Refer to step 6 in *Installing SwitchLinc in a Typical 2-Way Circuit* to complete installation.

Special Treatment for 4- or More-Way Circuits

If your lighting circuit includes more than two switches controlling a single set of lights, those extra switches will have four wires connected to them. Two of the wires are Travelers from the preceding switch, while the other two are Travelers to the next switch in the chain. You will convert the black Traveler wires to Line wires and replace the old 4-wire switches with SwitchLinc Secondaries.



- 1) Connect SwitchLinc Secondary's black Line wire to the junction box's black Traveler wire with a wire nut.
- 2) Cap the two unused Traveler wires (usually red) with wire nuts.
- 3) Cap SwitchLinc Secondary's red Load wire with a wire nut.
- 4) Connect SwitchLinc Primary's white Neutral wire to the box's Neutral wires with a wire nut (see Fig. 3).
- 5) Connect SwitchLinc Primary's bare copper Ground wire to the junction box's Ground wires with a wire nut (see Fig. 4).

INSTEON Networks: Split Single-Phase vs. 3-Phase Installation

For the best INSTEON network performance, make sure you have installed at least two Access Points (#2443) or other [dual-band INSTEON products](#).

Using SwitchLinc Relay

Using the Paddle

Like any rocker switch, the paddle top turns on the load while the bottom turns it off.

- Tap the paddle top to turn on the load.
- Tap the paddle bottom to turn off the load.

Using the Air Gap

Anytime you need SwitchLinc's controlled circuit to be unpowered but don't want to turn off the circuit breaker—such as when replacing light bulbs—use the air gap to quickly and conveniently disable power to the switch.

Using your fingernail or a small flathead screwdriver, pull out SwitchLinc's Set button as far as it will go (about 1/8"). This opens the mechanical contacts and removes all power from the SwitchLinc and its load. (Because SwitchLinc's settings are stored in its non-volatile memory, your setup information will not be lost.) To re-enable power to SwitchLinc, simply push in the Set button until it is flush with the trim frame.

Programming SwitchLinc Relay as Part of an INSTEON Network

SwitchLinc On/Off Relay can be added to an INSTEON network as both a controller and a responder.

Note: you will need to install an INSTEON Access Point (#2443) or other dual-band device to allow SwitchLinc Relay to communicate with RF-only devices.

Adding SwitchLinc Relay as an INSTEON Controller

Follow the steps below to link SwitchLinc Relay as a controller of another INSTEON device.

- 1) Press and hold SwitchLinc's Set button until it beeps (about 3 seconds).
Status LED will blink.
You will have 4 minutes to complete the next steps before linking mode times out.
- 2) Set the responder to the state you want to activate from SwitchLinc (on or off).
If the responder is a multi-scene device such as a KeypadLinc, tap the scene button you want to control so its LED illuminates.
- 3) Press and hold the responder's Set button for 3 seconds.
SwitchLinc will double-beep and its LED will stop blinking
Responder's LED will stop blinking and it may double-beep.
- 4) Confirm that linking was successful by tapping SwitchLinc's paddle on and off.
The responder will respond appropriately.
- 5) If you want SwitchLinc Relay to control multiple responders, repeat steps 1-4 with each additional responder or see *Add Multiple Scene Responders*.

Removing SwitchLinc Relay as an INSTEON Controller

If you are disabling or removing any INSTEON responders that SwitchLinc controls, it is very important that you unlink each responder from SwitchLinc before disabling or removal. Otherwise, SwitchLinc will repeatedly try to send commands, causing delays in your INSTEON network's inter-device communication.

- 1) Press and hold SwitchLinc's Set button until it beeps (about 3 seconds).
Status LED will blink.
- 2) Again, press and hold SwitchLinc's Set button until it beeps (about 3 seconds).

Status LED will continue to blink.

You will have 4 minutes to complete the next step before unlinking mode times out.

- 3) Press and hold the responder's Set button for 3 seconds.

SwitchLinc will double-beep and its LED will stop blinking

- 4) Confirm that unlinking was successful by tapping SwitchLinc's paddle on and off.

The responder will no longer respond.

Adding SwitchLinc Relay as an INSTEON Responder

Follow the steps below to make SwitchLinc a responder of another INSTEON controller.

- 1) Press and hold the controller's Set or scene button until it beeps and/or LED blinks (about 3 seconds).

If the controller is a multi-scene device such as a KeypadLinc, press and hold the scene button you want to use as the controller.

Controller's LED will blink.

You will have 4 minutes to complete the next step before linking mode times out.

- 2) Use SwitchLinc to set the connected load to the state you want to activate from the controller (e.g., on, 50% brightness, off).

- 3) Press and hold SwitchLinc's Set button until it double-beeps (about 3 seconds).

SwitchLinc's status LED will flash once, then turn on solid.

- 4) Confirm that linking was successful by tapping the controller button on and off.

The load connected to SwitchLinc will respond appropriately.

Removing SwitchLinc Relay as an INSTEON Responder

If you are going to disable or remove SwitchLinc Relay, it is very important that you unlink it from all controllers. Otherwise, the controllers will try sending commands to SwitchLinc, causing delays in your INSTEON network's inter-device communication.

- 1) Press and hold the controller's Set or scene button until it beeps and/or LED blinks (about 3 seconds).

Controller's LED will blink.

- 2) Again, press and hold the controller's Set or scene button until it beeps and/or LED blinks (about 3 seconds).

Controller's LED will continue blinking

You will have 4 minutes to complete the next step before unlinking mode times out.

- 3) Press and hold SwitchLinc's Set button until it double-beeps.

SwitchLinc's status LED will flash once, then turn on solid.

- 4) Confirm that unlinking was successful by tapping the controller button on and off.

The load connected to SwitchLinc will no longer respond.

Creating INSTEON Scenes

INSTEON scenes let you activate dramatic room ambiances with multiple lights and appliances. For example, you can set all the lights in a scene to dim to 50% or turn certain lights on while turning others off, all with the tap of a button on a controller.

INSTEON scenes are very easy to set up: just link more than one responder to the same On/Off or scene button on a controller. Then, when you press any of the linked buttons on the controller, all of the INSTEON devices linked in the scene will respond as a group.

To set up an INSTEON scene, you can individually link each device to a controller. Or save time and create multiple links at once.

Power Restore

SwitchLinc Relay stores all of its scenes, properties, etc. in its internal non-volatile memory so all settings are retained after a power outage. Upon power being restored, SwitchLinc will return its connected load(s) and all LEDs to their states prior to power outage.

Advanced Features

Add Multiple Scene Responders

- 1) Press and hold SwitchLinc's Set button until it beeps.
SwitchLinc status LED will start blinking.
- 2) Tap SwitchLinc's Set button.
SwitchLinc status LED will double-blink.
- 3) For each responder you are adding:
 - a. Tap on/off or press and hold to adjust responder to desired state.
 - b. Press and hold responder Set button until it beeps (or LED flashes).
SwitchLinc will double-beep.
- 4) After all responders have been added, tap SwitchLinc Set button.
SwitchLinc LED will stop blinking.
- 5) Test by tapping SwitchLinc on and off a couple of times.
All the responders added will respond.

Remove Multiple Scene Responders

- 1) Press and hold SwitchLinc's Set button until it beeps.
SwitchLinc status LED will start blinking.
- 2) Press and hold SwitchLinc's Set button again until it beeps again.
SwitchLinc status LED will start blinking.
- 3) Tap SwitchLinc's Set button.
SwitchLinc status LED will double-blink.
- 4) For each responder you are removing:
 - a. If multi-button device, tap the responding button.
 - b. Press and hold responder Set button until it beeps (or LED flashes).
- 5) Tap SwitchLinc's Set button.
SwitchLinc status LED will stop blinking.
- 6) Test by tapping controller button a couple of times
All responders removed will not respond.

Synchronizing Groups

Groups are scenes in which all members stay synchronized. Common examples include 3-way lighting circuits and scenes with a single load-bearing device.

Example: 2-Switch Circuit

- 1) Link SwitchLinc Relay as a controller of another INSTEON device. (See *Adding SwitchLinc Relay as an INSTEON Controller.*)
- 2) Link the same INSTEON device as a controller of SwitchLinc Relay. (See *Adding SwitchLinc Relay as an INSTEON Responder.*)
- 3) Test the group by controlling the load from SwitchLinc Relay and the other device.
The load, SwitchLinc Relay's LEDs and the other INSTEON device's LEDs will remain in synch.

Example: Multi-Way Circuit

Although we recommend using home automation software (such as HouseLinc) to set up multi-way circuit groups, the following steps will also work when carefully followed.

- 1) Turn on load(s) to desired same level.
- 2) Press and hold SwitchLinc Relay's Set button until it beeps.
- 3) Tap SwitchLinc Relay's Set button.
- 4) Initiate linking mode on secondary INSTEON device, usually by pressing and holding the Set button for about 3 seconds.
- 5) Repeat step 3 for each addition INSTEON device in the circuit.
- 6) Once all INSTEON devices are in linking mode, tap SwitchLinc Relay's Set button.
- 7) Repeat steps 2-6 for each device in the circuit until each has been linked as a controller and responder of all group members.
- 8) Test the group by controlling the load(s) from SwitchLinc Relay and the other devices.

Changing LED Brightness Levels

SwitchLinc Relay's LEDs can be adjusted to shine brighter or dimmer, or even turned off.

- 1) Press and hold SwitchLinc's Set button until it beeps (about 3 seconds).
SwitchLinc's status LED will begin blinking.
- 2) Press and hold SwitchLinc's Set button until it beeps again.
SwitchLinc's status LED will continue blinking.
- 3) Press and hold SwitchLinc's Set button until it beeps a third time.
SwitchLinc's status LED will stop blinking.
- 4) Press and hold the paddle top/bottom to brighten/dim the LEDs to your desired brightness.
- 5) Once LEDs are adjusted, tap SwitchLinc's Set button once.
SwitchLinc will beep.

Factory Reset

Factory Reset clears all user settings from SwitchLinc Relay, including INSTEON scenes, on-levels, ramp rates, etc.

- 1) Pull out SwitchLinc's Set button to create an air gap.
- 2) Wait 10 seconds.
- 3) Push in Set button and hold it. Do not let go.
SwitchLinc will begin to emit a long beep.
- 4) When beep stops, release Set button.
A few seconds will pass.
SwitchLinc will double-beep.
LEDs will return to normal brightness.
The connected load will turn on.

Changing the Paddle and LED Colors

You can remove the LEDs and/or front paddle and trim frame assembly before or after SwitchLinc is installed. During the changeover process, power and load may remain on and operating. There are no dangerous voltages or unsafe areas under the paddle.

- 1) If SwitchLinc is already installed in the wall, remove the wallplate from the switch junction box.
- 2) Remove the four Phillips screws that hold the paddle assembly to the metal frame.
- 3) Pull the entire paddle straight away from the switch. You may have to wiggle the bottom of the frame to get it free from the Set button.



Figure 1: Paddle assembly and SwitchLinc body separated

- 4) Using a flat blade or needlenose pliers, snap the large light pipe out of the frame (as shown in Figure 2 at right). Do the same for the small light pipe.



Figure 2: Snap out the light pipes with a flat tool.

- 5) Choose which LEDs and/or paddle and trim frame you would like to install into SwitchLinc.
- 6) Orient the new small light pipe with its protrusion facing toward center of the new frame. Snap it into place. If placed in backwards or reverse, it will not click into place. (Refer to Figure 3 at right.)
- 7) Orient the new large light pipe with side that has the most protrusions facing toward the center of the new frame. Using only finger pressure, snap the light pipe into the frame. (Refer to Figure 3 at right).

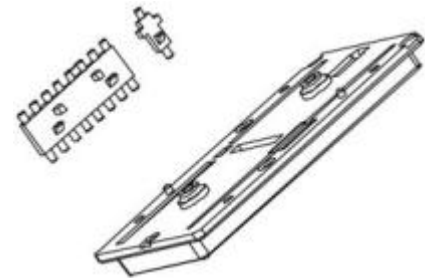


Figure 3: Insert the new light pipes with the protrusions facing the center

- 8) If both light pipes are installed correctly, they will stick straight out from the back of the frame (as shown in Figure 4, below left). If installed incorrectly, they will appear to be tilted (as shown in Figure 5, below right).



Figure 4: LED light pipes correctly installed



Figure 5: LED light pipes incorrectly installed

- 9) Gently place the paddle assembly onto front of SwitchLinc. A little force may be necessary to snap the assembly over the Set button. Reinstall four screws that you removed in step 2.

Specifications

General	
Product Name	SwitchLinc Relay – INSTEON Remote Control On/Off Switch (Non-Dimming)
Brand	INSTEON
Manufacturer Product Number	2476S, INSTEON Non-Dimming SwitchLinc Relay
UPC	White 2476S: 891114000099 Almond - 2476SAL: 689076407540 Light Almond - 2476SLAL: 813922012354 Black - 2476SBK: 813922012323 Gray - 2476SGY: 813922012347 Ivory - 2476SIV: 689076407649 Brown - 2476SBR: 813922012330
Patent Number	U.S. Patent No. 7,345,998, International patents pending
Warranty	Two years, limited
INSTEON	
INSTEON Addresses	1 hard-coded out of 16,777,216 possible
Maximum Scene Memberships	417
Software Configurable	Yes
Powerline Frequency	131.65 KHz
X10 Support	N/A
Mechanical	
Mounting	Mounts in single or multiple-ganged junction box
Wire Nuts	4 included
Wires	Line (black)
	Load (red)
	Neutral (white)

	Ground (bare copper)
Case Color	White
LED	8 White LEDs (optional green, blue, amber or red with #2400L kit)
Dimensions	4.1" x 1.8" x 1.2" (H x W x D)
Weight	3.6 oz.
Operating Environment	Indoors
Operating Temperature Range	32°F to 104°F
Operating Humidity Range	Up to 85% relative humidity
Electrical	
Voltage	120 Volts AC +/- 10%, 60 Hertz, single phase
Load Type(s)	Wired-in incandescent lighting and inductive loads
Neutral Wire:	Required
Maximum Load:	15 Amps; 480 Watts (for incandescent loads)
Retains all settings without power	Non-volatile EEPROM
Standby power consumption	0.67 watts
Certifications	Safety tested for use in USA and Canada (ETL #3017581)

Troubleshooting

Problem	Possible Cause	Solution
The LED bar on SwitchLinc is not turning on at all and SwitchLinc won't control my light.	SwitchLinc is not getting power.	Make sure the circuit breaker is turned on.
		Check junction box wires to ensure all connections are tight and no bare wires are exposed.
		Check the light fixture to ensure all connections are tight and no bare wires are exposed.
The switch I'm replacing only has two wires.	SwitchLinc needs a Neutral wire in order to operate.	Look in the rear of the junction box for a group of white wires all tied together with a wire nut. Those are the Neutral wires. Connect the Neutral SwitchLinc wire there.
SwitchLinc is not receiving signals from INSTEON.	SwitchLinc and the controller are on opposite powerline phases.	Make sure two Access Points (#2443) or other dual-band INSTEON products are properly installed to detect the two powerline phases.
	The controller is plugged into a power strip.	Powerline signals can't travel through power filters. Plugging the Controller directly into a wall outlet works best.
	Other modules are loading down the signal.	Move the other modules or the controller to another outlet.

SwitchLinc is not linking to or working with an INSTEON controller or device.	The INSTEON signal may be too weak.	Add new INSTEON devices or move around existing INSTEON devices. All INSTEON devices act as INSTEON network repeaters.
SwitchLinc doesn't always respond to an INSTEON controller.	The INSTEON controller may have been reset without first unlinking SwitchLinc from it.	Relink SwitchLinc to the INSTEON controller. See Adding SwitchLinc Relay as an INSTEON Responder .
The light turned on by itself.	Another controller, a timer triggered SwitchLinc.	Check your timers or controllers. If the above doesn't work, perform a factory reset. See Factory Reset .
SwitchLinc turns on, but not off, using another controller.	The load is producing electrical noise that is interfering with the reception of powerline signal.	Install a powerline noise filter (such as FilterLinc) between the load and SwitchLinc. Install additional INSTEON devices to boost the INSTEON signal.
When I press a button on SwitchLinc, it takes a long time for other INSTEON responders to respond.	You may have removed an INSTEON device that your SwitchLinc is trying to operate. SwitchLinc is retrying the missing INSTEON device.	If the INSTEON device is still available, unlink it from SwitchLinc. See Removing SwitchLinc Relay as an INSTEON Responder . Perform a factory reset. See Factory Reset .
I am not able to program an X10 address for SwitchLinc.	X10 is no longer supported in the SwitchLinc Relay (single-band).	Shop for other INSTEON/X10 compatible devices here .
SwitchLinc is locked up.	A surge or excessive noise on the powerline may have glitched it.	Pull the Set button on SwitchLinc all the way out to create an air gap, wait 10 seconds, then push it back in until it's flush with the trim frame (don't push it all the way in). If the above doesn't work, perform a factory reset. See Factory Reset .
SwitchLinc can turn off my responder, but nothing happens when I send an ON command from SwitchLinc.	Your responder may be linked at its off state.	Relink your responder to SwitchLinc, while the responding device is on.
My controller can turn off SwitchLinc, but SwitchLinc does not turn on when I send an ON command from my controller.	SwitchLinc may be linked at its off state.	Relink SwitchLinc to your controller, while the load is on.
The Status LEDS are too bright.	The Status LEDS are adjustable and might be at the brightest level.	Dim the LEDs. See Changing the LED Brightness .

If you have tried these solutions, reviewed this Owner's Manual, and still cannot resolve an issue you are having with SwitchLinc On/Off Relay, please call the INSTEON Support Line at 1-800-762-7845.

Certification and Warranty

Certification

This product has been thoroughly tested by ITS ETL SEMKO, a nationally recognized independent third-party testing laboratory. The North American ETL Listed mark signifies that the device has been tested to and has met the requirements of a widely recognized consensus of U.S. and Canadian device safety standards, that the manufacturing site has been audited, and that the manufacturer has agreed to a program of quarterly factory follow-up inspections to verify continued conformance.

ETL/UL Warning (Safety Warning)

CAUTION: To reduce the risk of overheating and possible damage to other equipment, do not install this device 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 risqué de surchauffe et la possibilite d'endommagement a d'autres materiels, ne pas installer pour commander une prise, un appareil a moteur, une lampe fluorescente ou un appareil alimente par un transformateur.

Limited Warranty

Seller warrants to the original consumer purchaser of this product that, for a period of two years from the date of purchase, this product will be free from defects in material and workmanship and will perform in substantial conformity to the description of the product in this Owner's Manual. This warranty shall not apply to defects or errors caused by misuse or neglect. If the product is found to be defective in material or workmanship, or if the product does not perform as warranted above during the warranty period, Seller will either repair it, replace it, or refund the purchase price, at its option, upon receipt of the product at the address below, postage prepaid, with proof of the date of purchase and an explanation of the defect or error. The repair, replacement, or refund that is provided for above shall be the full extent of Seller's liability with respect to this product. For repair or replacement during the warranty period, call the INSTEON Support Line at 800-762-7845 with the Model # and Revision # of the device to receive an RMA# and send the product, along with all other required materials to:

INSTEON

ATTN: Receiving
16542 Millikan Ave.
Irvine, CA 92606-5027

Limitations

The above warranty is in lieu of and Seller disclaims all other warranties, whether oral or written, express or implied, including any warranty or merchantability or fitness for a particular purpose. Any implied warranty, including any warranty of merchantability or fitness for a particular purpose, which may not be disclaimed or supplanted as provided above shall be limited to the two-year of the express warranty above. No other representation or claim of any nature by any person shall be binding upon Seller or modify the terms of the above warranty and disclaimer.

Home automation devices have the risk of failure to operate, incorrect operation, or electrical or mechanical tampering. For optimal use, manually verify the device state. Any home automation device should be viewed as a convenience, but not as a sole method for controlling your home.

In no event shall Seller be liable for special, incidental, consequential, or other damages resulting from possession or use of this device, including without limitation damage to property and, to the extent permitted by law, personal injury, even if Seller knew or should have known of the possibility of such damages. Some states do not allow limitations on how long an implied warranty lasts and/or the exclusion or limitation of damages, in which case the above limitations and/or exclusions may not apply to you. You may also have other legal rights that may vary from state to state.

Protected under U.S. and foreign patents (see www.insteon.com).

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