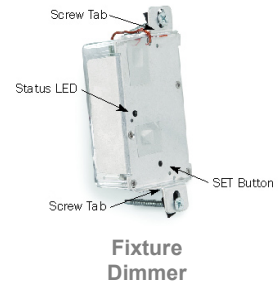
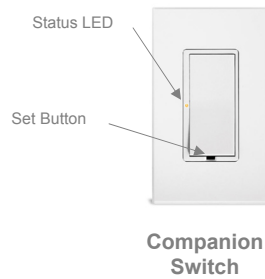


# Quick-Start Guide

## INSTEON 2-Wire Dimmer Kit™

For Model: #2474D

Remote control dimming when there's no neutral in the switchbox



## INSTALLATION

**Important:** Installation should be performed only by a qualified electrician or by a homeowner who is familiar and comfortable with electrical circuitry. If there are any questions, consult an electrician. For setup questions contact Tech Support at SmartLabs for guidance. Tools required: electrical multi-meter, standard + phillips screwdrivers and a wire cutter/stripper. Two or more properly installed INSTEON Access Points are strongly recommended for every home. You will need to ID all your wires before beginning, for tips and tricks to accurately identifying wire types and for help dealing with multi-way circuits, see the [Smarthome Wiki](#). For a wiring diagram, see the Owner's Manual at <http://www.smarthome.com/2474D.pdf> (coming soon).

- 1) Disconnect power at the service panel
- 2) Verify Companion Switch and Fixture Module are paired (i.e. came in same box) – or refer to label on Companion Switch “Controls Fixture”
- 3) Remove switch plate, switch and light fixture

### In the fixture's electrical box:

- 4) Identify the switch leg wire,
  - If it is white:
    - If it has no tape on it proceed to step 5
    - If it has tape on it, remove the tape and proceed to step 5
  - If it is not white, wrap end of wire with white electrical tape
- 5) Connect the switch leg wire, the white wire on the Fixture Dimmer, and the neutral wire using a single wire nut
- 6) Connect the bare copper wire on the Fixture Dimmer to ground
- 7) Connect the black wire on the Fixture Dimmer to hot in the fixture box using wire nut
- 8) Connect the red wire on the Fixture Dimmer to the fixture (was previously connected to switch leg) with wire nut

### In the switch's electrical box:

- 9) Wrap end of previous switch leg wire with white tape & connect to the Companion Switch's white wire with a wire nut
- 10) Connect the black wire on the Companion Switch to the hot wire with a wire nut
- 11) Connect the bare copper wire on the Companion Switch to ground
- 12) Restore power temporarily and test that Companion Switch turns light connected to Fixture Dimmer on and off properly, turn power back off
- 13) Reinstall light fixture, switch and trim plate

## Setup to Control the 2-Wire Kit from an INSTEON Controller

- 1) Identify your Controller type from the list below and perform the appropriate steps listed:



- a) Press & hold the desired button (for about 10 seconds) until its LED begins blinking
- b) Tap the Set button once
- c) Proceed to step 2



- a) Press & hold the ON button of the desired button pair (for about 10 seconds) until it BEEPS
- b) Tap the same ON button once
- c) Proceed to step 2



- a) Press & hold the Set button (for about 3 seconds) until LED blinks
- b) Tap the Set button once
- c) Proceed to step 2

*(If your Controller is not shown – Consult its Owner's Manual under Multi-Link mode)*

- 2) Press and hold the Set Button on the Companion (for about 3 seconds) until the light connected to the Fixture Dimmer flashes
- 3) Press and hold the top of the paddle on the Companion (for about 10 seconds) until the LED turns OFF and then back ON
- 4) Tap any ON or OFF button on your Controller  
*The LED(s) on your Controller will stop blinking*
- 5) Test by turning your lights on and off from your controller

## Using the Companion Switch

- Paddle Top** – Tap to turn lights on – Double tap for fast on – Press & hold to brighten until you release  
**Paddle Bottom** – Tap to turn light off – Double tap for fast off – Press & hold to dim until you release

## Controlling other INSTEON Products from the Companion

- 1) Press and hold the top of the Companion paddle (for about 10 seconds) until the LED begins blinking
- 2) Press and hold the set button on the INSTEON compatible Responder you wish to control (for about 3 seconds) until its LED flashes  
*Note: For multi-button products, press and hold the button of choice until LED / load flashes*

## Setting the Ramp Rate and On-Level

- 1) Set Ramp Rate
  - a. Tap OFF (bottom) of your Companion Switch
  - b. Press and hold the ON (top) of your Companion as per the table below, for your desired ramp rate

Press & Hold Time	Desired Ramp Rate
5+ seconds	0.1 seconds
3 seconds	0.5 seconds
2 seconds	1 second
¼ second	9 seconds

- c. Quickly double-tap the Companion's Set button. (you may wish to use a small screwdriver or ball point pen)  
*The light will flash once (Companion's LED will flash each time you tap it)*
- 2) Set On-Level
    - a. Dim and/or brighten your light to the desired, default on-level (brightness it turns on at)
    - b. Tap the Companion's Set button once  
*The light will flash once*
  - 3) Press and hold the bottom of the Companion's paddle (for about 10 seconds) until the LED begins blinking
  - 4) Press and hold the Companion's Set button until the light flashes (about 3 seconds)  
*The LED will stop blinking and your new On-Level is set*
  - 5) Turn your light on and off from your Companion to see if ramp rate and on-level are as desired  
*Note: a single tap of the Set button sets the on-level, so if ramp rate is not as expected, you may have set the on-level*

## Assigning an X10 Address

- 1) Press and hold the Companion's Set button (for about 3 seconds) until your light flashes once
- 2) Send the desired X10 address 3 times  
*Your light will flash (your Fixture module now has an X10 address, it does not matter whether you send on's or off's)*
- 3) Press and hold the top of your Companion Switch's paddle (for about 10 seconds) until the LED flashes
- 4) Send the same X10 address 3 times  
*The Companion Switch's LED will stop blinking*

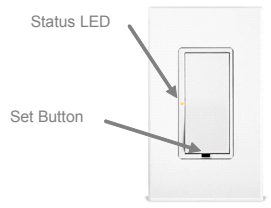
### Notes:

- For detailed instructions on how to setup and operate this product please refer to the Owner's Manual at: <http://www.smarthome.com/2474D.pdf>
- The companion comes pre-linked to the fixture module from the factory. However, if you perform a factory reset on the Companion Switch, you will need to re-link it to the fixture module before you link to anything else

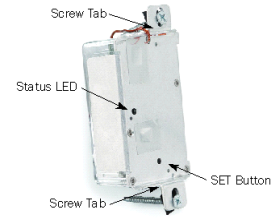
For **HELP**, call our friendly tech support @ 866-243-8018

SmartLabs Limited Warranty – SmartLabs warrants to the original consumer 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 the owner's manual. This warranty shall not apply to defects or errors caused by misuse or neglect.  
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# Quick-Start Guide Wiring Diagram



Companion  
Switch



Fixture  
Dimmer

