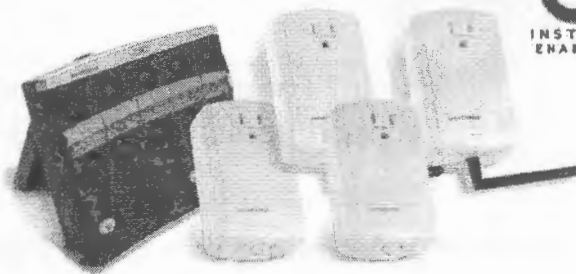# STARTER KIT

For Model : Plug-In Dimmer INSTEON™Starter Kit (#2490)
Thank you for choosing to make your lighting control simple, afford-
able and reliable.
Your Starter Kit contains:
  • 2 Signal Enhancers (SignaLinc™ RF #2442)
  • 2 Lamp Dimmers (LampLinc™ V2 #2456D3)
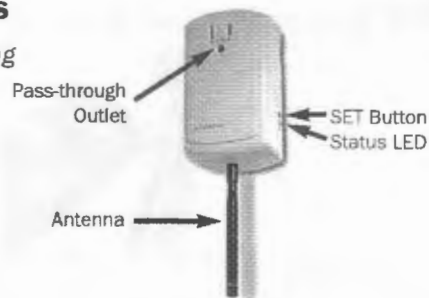 • 1 Tabletop Controller (ControLinc™ V2 #2430)

INSTEON is a simple, reliable, and affordable breakthrough in home control. Simple, because Plug-n-Tap™ setup is a
breeze, and there are no wires to add — INSTEON uses existing powerline wiring as well as radio frequency for communica-
tion. Reliable, because every INSTEON device is a two-way repeater. An INSTEON home grows in value with every INSTEON
device you add, truly making life more convenient, safe and fun.

**Need Help? For assistance call your friendly
support person @ 866-243-8018**

PART ONE: Installing Two Signal Enhancer Interfaces

Step 1. Plug the first Signal Enhancer into a convenient wall outlet (*making
sure you are not plugging it into a switched outlet).
Hint: Away from metal is a good choice.

Pass-through
Outlet
SET Button
Status LED

Antenna

Step 2. Point your Signal Enhancer's antenna towards the floor or ceiling.

Step 3. On the first Signal Enhancer press and hold the SET button for 10 seconds and release.
*The Signal Enhancer's Status LED will **blink fast (4 times per second)** and will continue to blink until you
complete step 7. If it does not blink, try again and don't let up too soon — 10 seconds is a pretty long time!*

Step 4. Plug the **second** Signal Enhancer into another outlet.

Step 5. Point your Signal Enhancer's antenna towards the floor or ceiling.

Step 6. Look at the **second** Signal Enhancer's Status LED:
  • *If it is **blinking fast,** go to step 7.*
  • *If it is **blinking slowly (once every 2 seconds)** or **not blinking at all**, repeat step 4, trying another outlet.*

  *Note: You may need to try several outlets. If you are unable to locate a "fast blinking" outlet please call
  800-SMARTHOME for assistance. If you have tried 5 outlets, go back and move the first Signal
  Enhancer to another outlet.*

Step 7. Press and release the SET button on the first Signal Enhancer.
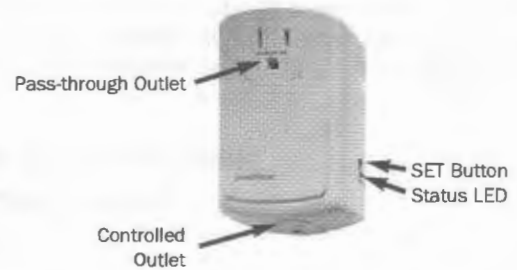*The Status LED on both Signal Enhancers will stop blinking and remain steadily on.*

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PART TWO: Installing Your Lamp Dimmers

Step 1. Plug your lamp into the outlet at the **bottom** of the Lamp Dimmer (labeled "Controlled").

Pass-through Outlet

SET Button
Status LED

Controlled
Outlet

Step 2. Plug your Lamp Dimmer into a wall outlet.

Step 3. If lamp is off, turn it on.

HINTS

• Do not use an outlet controlled by a switch

• Be sure to leave the lamp's local switch in the on position

• Use to control incandescent bulbs only.

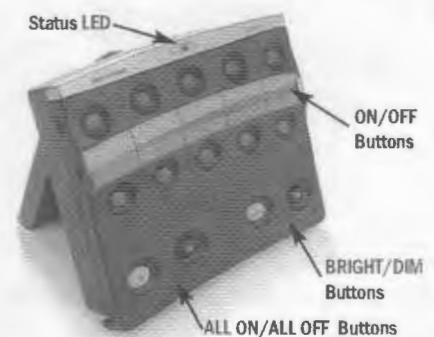## PART THREE: Controlling Your Lamp with the Tabletop Controller

Step 1. Plug the Tabletop Controller into a wall outlet.

Status LED

Step 2. On your Tabletop Controller **press and hold** the ON button of your choice for 10 seconds until the LED begins blinking slowly – then release.
Your Tabletop Controller is now in setup mode. You now have 4 full minutes to complete Step 3.

ON/OFF
Buttons

BRIGHT/DIM
Buttons

ALL ON/ALL OFF Buttons

Step 3. Return to your Lamp Dimmer and **press and hold** the SET button for 3 seconds until the lamp blinks or turns on – then release.
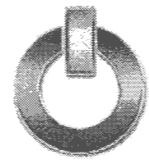*The Tabletop Controller will beep, and the LED will stop blinking.*

Step 4. Return to your Tabletop Controller and test your lamp by pressing the ON and OFF buttons.

Congratulations! You can now control your lighting with your Tabletop Controller, and your home is INSTEON-enabled.

Quick-Start Guide
STARTER KIT

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support person @ 866-243-8018

INSTEON
ENABLED

Using your Tabletop Controller*

Five sets of ON/OFF buttons are used to control your devices.
- **Tap** the ON button to turn your lamp on.
- **Tap** the OFF button to turn your lamp off.
- **Press and hold** the ON button to brighten your lamp.
- **Press and hold** the OFF button to dim your lamp.

ALL ON and ALL OFF buttons control all of your lamps.
- **Tap** the ALL ON button to turn on all lamps.
- **Tap** the ALL OFF button to turn off all lamps.

BRIGHT and DIM buttons control the brightness level of the lamps linked to the last ON/OFF button pressed.
- **Press and hold** the BRIGHT button to brighten your lamp.
- **Press and hold** the DIM button to dim your lamp.

* For detailed instructions on how to operate all the features of your tabletop controller, please refer to the User's Guide at http://www.smarthome.com/2490.html

Using your Lamp Dimmer's Advanced Features*

Setting the On-Level and Ramp Rate

The On-Level is the brightness that the lamp you are controlling will go to when you turn it on using an INSTEON Controller. The On-Level is adjustable from OFF to 100% brightness. The default is 100%.

The Ramp Rate sets the time it will take for the lamp you are controlling to go from OFF to the On-Level brightness, or from the On-Level brightness to OFF. This time is adjustable from 0.1 to 9 seconds to ramp between full-ON and full-OFF. The default is 0.1 second.

To change the LampLinc Dimmer's Remote-Controlled On-Level or Ramp Rate
1. Dim or brighten to the desired **On-Level** brightness.
2. Press the **SET Button ONCE.** The light will flash once. Skip down to step 5 if you do not want to adjust the Ramp Rate.
3. Dim or brighten to the desired **Ramp Rate** (dimmer = slower Ramp Rate).
4. Press the **SET Button TWICE.** The light will flash once.
5. Go into **Linking Mode** on the INSTEON Controller that will control this LampLinc.
6. Press and hold this LampLinc's **SET BUTTON** for 3 seconds until the light flashes - then release.

* For detailed instructions on how to operate all the features of your tabletop controller, please refer to the User's Guide at http://www.smarthome.com/2490.html

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Troubleshooting Tips

- The LED on the first Signal Enhancer I installed is not blinking.
  Refer to Part One, Step 3 and press and hold for a longer amount of time. Remember, 10 seconds is a pretty long time!
- I have tried several outlets, and the second Signal Enhancer's LED is not blinking.
  Move the antenna and retry, moving closer to the first Signal Enhancer.
- The LED on the Signal Enhancer is not turning on at all.
  Make sure you are not on a switched outlet.
- My lamp is not being controlled by the Tabletop Controller.
  1. Make sure your lamp is plugged into the outlet labeled "Controlled" at the bottom of the Lamp Dimmer.
  2. Make sure the lamp switch is in the ON position.
- The LED on the Tabletop Controller is not turning on.
  Make sure you are not on a switched outlet.
- The LED on the Tabletop Controller will not flash and enter into setup mode.
  Press and hold for a longer amount of time. Remember, 10 seconds is a pretty long time!
- The LED on the Tabletop Controller is still flashing after enrolling a Lamp Dimmer.
  You may be in Scene Setup (multilink) mode. Tap the ON button to take it out of this mode.
- Factory Reset Instructions — Lamp Dimmer.
  Unplug the Lamp Dimmer for about 10 seconds. While holding down the SET Button on the Lamp Dimmer, plug it in and continue to hold down the SET Button for 3 seconds. Release the SET Button. After several seconds, the Status LED will illuminate steadily, indicating that reset is complete.
- Factory Reset Instructions — Tabletop Controller.
  Unplug the Tabletop Controller for about 10 seconds. While holding down the BRIGHT button on the Tabletop Controller, plug it in. Release the BRIGHT button. After several seconds, the Status LED will illuminate steadily, indicating that reset is complete.

The advanced User's Guide can be found at http://www.smarthome.com/2490.html

Optional If You Own an X10 Device

Linking the Tabletop Controller to an X10 device

1. On the Tabletop Controller, press and hold the ALL ON and DIM buttons at the same time for 3 seconds, then release.
   The Tabletop Controller will beep, and the Status LED will begin to blink once per second.

2. Press and release the ON button you want to use.
   The Tabletop Controller will beep.

3. Open the Tabletop Controller cover by lifting it from the top.

4. Press and release the button that represents the X10 house code (i.e. A, B, etc.) of the device you want to link to.
   The Tabletop Controller will beep.

5. Press and release the button that represents the X10 unit code (i.e. 1, 2, etc.) of the device you want to link to.
   The Tabletop Controller will beep twice, and the Status LED will remain on.

6. Close the cover.

Unlinking the Tabletop Controller from an X10 device

1. On the Tabletop Controller, press and hold the ALL ON and DIM buttons at the same time for 3 seconds, then release.
   The Tabletop Controller will beep and the Status LED will begin to blink once per second.

2. Press and hold the OFF button for 3 seconds, then release.
   The Tabletop Controller will beep twice and the Status LED will remain on.

Giving your Lamp Dimmer an X10 address.

1. Press and hold the Lamp Dimmer's SET button for 3 seconds, then release.
   The Status LED will begin blinking.

2. Send the X10 address followed by an "ON" from any X10 Controller within 30 seconds.
   The lamp will blink, and the Status LED will remain on.