



LampLincTM

INSTEON[®] Plug-In Lamp Dimmer Module, 3-Pin

Model : 2456D3



SMARTHOMETM

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LampLinc Owner's Manual



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ABOUT LAMPLINC

LampLinc presents you with an elegant and stylish way to dim and remotely control any lamp or other plug-in device in your home at the touch of a button. Send commands to LampLinc from any INSTEON Controller.



Key LampLinc Features

- Installs and Links to other INSTEON devices in minutes
- Controls standard incandescent lighting devices up to 300 Watts
- Indicates INSTEON setup mode activity with a Status LED
- Dims the load up to 32 brightness levels
- Changes brightness at 32 Ramp Rates
- Load Sensing easily disabled and re-enabled
- Pass-through outlet so you won't lose an outlet
- Responds to commands from X10 controllers
- Stores setup state in memory so settings aren't lost during power outages
- Two-year warranty

What is Included with LampLinc

- LampLinc – INSTEON Plug-in Lamp Dimmer Module, 3-Pin
- Quick-Start Guide

WHAT IS INSTEON?

Since its inception in 2005, INSTEON has become a best-selling home-control networking technology, offering more reliability and flexibility than any other home management system on the market. INSTEON systems are simple, reliable, and affordable. Simple, because each device takes mere minutes to install. Reliable, because every INSTEON device works as a network repeater, ensuring your commands will not be lost. Affordable, because INSTEON can be integrated into any number of devices easily and at a very low cost. An INSTEON home grows in value with each added INSTEON device, making life more convenient, safe, and fun.

How Does INSTEON Work?

What makes INSTEON the most reliable home automation network is its dual-mesh network. INSTEON devices use both radio frequency (RF) signals and the home's existing wiring to talk to each other. In an INSTEON network, every INSTEON device also acts as a repeater, receiving and sending every message to all other devices in the network. So by integrating more INSTEON devices you will strengthen the network and ensure no commands will be lost.

No central controller or networking setup is required with an INSTEON network. Simply install your devices and then use a series of button presses or taps to Link your devices together. Throughout this Owner's Manual, you may see the terms "Controller" or "Responder". These generic INSTEON terms refer to the components of an INSTEON scene, and are used on a scene-by-scene basis.

- **Controller** – sends INSTEON commands to other devices
- **Responder** – reacts to commands sent out by another INSTEON device

An INSTEON device may act as a Controller, Responder, or sometimes both.

INSTEON networks are also extremely secure. Each INSTEON device is assigned a unique INSTEON ID, so unless neighbors or would-be hackers have access to your particular device's INSTEON ID, they won't be able to control your home, even if they are using similar products.

INSTALLATION

Preparing to Install LampLinc

CAUTION

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

LampLinc 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. LampLinc is not designed nor approved for use on power lines other than 120V 60Hz, single phase. Attempting to use LampLinc on non-approved power lines may have hazardous consequences.

Prior to installing LampLinc, please review the entire installation procedure and take the following precautions:

- Use indoors or in a properly insulated and weatherproof electrical box only
- Don't plug LampLinc into an outlet controlled by a switch because if the switch is inadvertently turned off, LampLinc won't have power
- Don't plug LampLinc into a filtered power strip or AC line filter
- Be sure the device you want to control is working and that the device's built-in switch is in the on position

- If the lamp being controlled by LampLinc already has its own built-in dimmer, turn that dimmer to full-on and allow LampLinc to control the lamp's brightness
- To reduce the risk of overheating and possible damage to other equipment, use LampLinc to control incandescent lamps only. Dimming an inductive load, such as a fan or transformer, could cause damage to the dimmer, the load device, or both. If the manufacturer of the load device does not recommend dimming, use a non-dimming INSTEON ApplianceLinc (#2456S) instead.
- Don't stack INSTEON home automation devices together by plugging them into one another. Stacked modules may overheat and stop functioning.
- Don't use LampLinc to control devices that preserve, maintain, or contribute to human or animal safety or life support

If you have any questions, please call:

INSTEON Gold Support Line
800-762-7845

Installing LampLinc

- 1) Plug the lamp/device (also called the load) you want to control into the outlet on the *bottom* of LampLinc



- 2) Plug LampLinc into an unswitched wall outlet

The LampLinc Status LED and the load should turn on

- 3) If the load does not turn on, turn it on manually using the built-in switch
- 4) OPTIONAL: You can use the pass-through outlet on the *front* of LampLinc as you would an ordinary uncontrolled wall outlet. However, do not plug another home automation product into this outlet.



NOTE: After completing installation, you will not be able to use the load's built-in switch to control the load unless Load Sensing is enabled. See *Enabling/Disabling Load Sensing*.

To control the load, you will need to Link LampLinc to an INSTEON Controller. You will not be able to control the load from the LampLinc unit itself. See your Controller's Owner's Manual for detailed instructions on how to control LampLinc.

CONTROLLING LAMPLINC FROM AN INSTEON CONTROLLER

Linking an INSTEON Controller to LampLinc

To use LampLinc as an INSTEON Responder, follow these steps to Link LampLinc and a Controller together. Refer to the Controller's Owner's Manual for detailed instructions on how to properly install and Link it to LampLinc.

The following will work for the most common INSTEON devices:

- 1) Set the Controller to Linking Mode. (For most Controllers, press & hold an On or Scene button for 10 seconds or the Set button for 3 seconds.)

You will have 4 minutes to complete the next step before Linking Mode automatically times out.

- 2) Press & hold the Set button on LampLinc for 3 seconds

The LampLinc Status LED should flash twice and then turn on solid

The load should flash twice

- 3) Confirm that Linking was successful by pressing the button you just Linked to on the Controller

LampLinc should respond appropriately

Unlinking LampLinc from an INSTEON Controller

If you are going to discontinue using LampLinc, it is very important that you Unlink it from any Linked Controllers. Otherwise, the Controllers will retry any commands repetitively, thus slowing down the system.

The following will work for the most common INSTEON devices:

- 1) Set the Controller to Unlinking Mode. (For most Controllers, press & hold an On or Scene button for 10 seconds **twice** or the Set button for 3 seconds **twice**.)

You will have 4 minutes to complete the next step before Unlinking Mode automatically times out.

- 2) Press & hold the Set button on LampLinc for 3 seconds

The LampLinc Status LED should flash twice and then turn on solid

The load should flash twice

- 3) Confirm that Unlinking was successful by tapping the button you just Unlinked from on the Controller

LampLinc should no longer respond

ON-LEVELS AND RAMP RATES

The **On-Level** is the brightness that the load will go to when you turn it on. The On-Level is adjustable from off to 100% brightness. The default is 100%.

The **Ramp Rate** is the amount of time it will take the load to go from full-off to full-on or from full-on to full-off. The Ramp Rate is adjustable from 0.1 to 9 seconds to ramp between full-on and full-off and vice versa. The default is 0.1 seconds.

You can set up **remote** On-Levels/Ramp Rates that are activated when you tap an On/Off or Scene button on a Linked Controller. A single LampLinc is capable of storing different On-Levels and Ramp Rates for each Linked Controller (or each button if it is a multi-scene Controller).

On-Levels and Ramp Rates are locked in separately and can be set up in any order. When you do the lock-in, the most recently set On-Level and Ramp Rate are locked in together.

Setting the On-Level

- 1) Use a Linked Controller to adjust the load to the desired brightness
- 2) Once the desired brightness has been achieved, tap the Set button on LampLinc
The load should flash once
- 3) Choose the desired button on the Controller and Link to LampLinc. See *Linking an INSTEON Controller to LampLinc*.
- 4) Test the On-Level settings by pressing the button you just Linked to on the Controller
LampLinc should respond appropriately

NOTE:

If LampLinc is blinking its Status LED, you held the Set button down too long. Holding down the Set button for 3 seconds is an alternate way to place LampLinc into Linking Mode.

Linking Mode will time out after 4 minutes of inactivity. To manually exit Linking Mode, tap the paddle top or bottom.

Setting the Ramp Rate

NOTE: Setting the Ramp Rate does not change/affect the On-Level brightness.

- 1) Setting the Ramp Rate is done using the brightness level as an indicator for how fast LampLinc should ramp. Use a Linked Controller to set the brightness to a brighter level for a faster Ramp Rate or dimmer for a slower Ramp Rate. 100% bright corresponds to a 0.1-second Ramp Rate and full-off corresponds to a 9-second Ramp Rate.

The following table gives the approximate relationship between the brightness you set in this step and the Ramp Rate you get.

Approximate Brightness Level	Ramp Rate in seconds
90-100%	0.1
77-87%	0.2
65-74%	0.3
52-61%	0.5
39-48%	2.0
26-35%	4.5
13-23%	6.5
1-10%	8.5
Less than 1%	9.0

NOTE:

If the load is ramping to less than full brightness, then the time it will take will be proportionately less. For instance, if the load is going to half-brightness, the time it will take for a given Ramp Rate will be halved.

- 2) Once you have reached the desired brightness (Ramp Rate), double-tap the Set button on LampLinc
The load should flash once
- 3) Choose the desired button on the Controller and Link to LampLinc. See *Linking an INSTEON Controller to LampLinc*.
- 4) Confirm the Ramp Rate settings by pressing the button you just Linked to on the Controller
LampLinc should respond appropriately

NOTE:

If the load flashes twice, you didn't double-press the Set button fast enough and the LampLinc On-Level was actually set up twice. Reset the correct On-Level and try setting the Ramp Rate again from step 1.

CREATING INSTEON SCENES

INSTEON scenes let you activate dramatic lighting moods with the tap of just one button. 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 tap 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 (see *Multi-Linking and Multi-Unlinking*).

ADVANCED FEATURES

Enabling/Disabling Load Sensing

Load Sensing allows you to manually turn the load plugged into LampLinc by using the switch on the load itself, without sending a command from an INSTEON or X10 controller. When the load is in the off state (with Load Sensing enabled), LampLinc will “sense” that you are trying to turn it on with its built-in switch. When LampLinc senses this, it will turn on the load automatically.

CAUTION: With Load Sensing enabled, some lamps have been known to turn on LampLinc after you have turned it off. Please use this feature with caution.

By default, Load Sensing is **enabled** on LampLinc.

Disable Load Sensing

- 1) Press & hold the Set button on LampLinc for 3 seconds

The LampLinc Status LED should begin blinking

- 2) Double-tap the Set button on LampLinc

The LampLinc Status LED should stop blinking and turn on solid

- 3) Test that Load Sensing has been disabled by turning the load on and off from its built-in switch

The load should not respond

Enable Load Sensing

- 1) Press & hold the Set button on LampLinc for 3 seconds

The LampLinc Status LED should begin blinking

- 2) Triple-tap the Set button on LampLinc

The LampLinc Status LED should stop blinking and turn on solid

- 3) Test that Load Sensing has been enabled by turning the load on and off from its built-in switch

The load should turn on and off

Restoring Power to LampLinc

LampLinc stores all of its settings, such as Links to other INSTEON devices, On-Levels/Ramp Rates, etc., with non-volatile memory. Because settings are saved in this non-volatile memory, they will not be lost in the event of a power failure.

In the event of a power loss LampLinc will automatically return the load to the brightness level it had before power was interrupted.

Resetting LampLinc to its Factory Default Settings

The factory reset procedure can be used to clear the LampLinc memory of all INSTEON Links, programmed On-Levels and Ramp Rates, X10 addresses, etc.

- 1) If you are using a Controller to control LampLinc, be sure to Unlink it from the Controller. See *Unlinking LampLinc from an INSTEON Controller*.
- 2) Unplug LampLinc for about 10 seconds
- 3) While holding down the Set button on LampLinc, plug it back in, making sure not to let go of the Set button
- 4) Continue to hold down the Set button for 3 seconds and then release

The LampLinc Status LED should flash once and then turn off

After a few seconds, the Status LED and the load should turn on

X10 PROGRAMMING OPTIONS

LampLinc is X10 ready, meaning that it can respond to X10 commands from X10 controllers. However, to operate LampLinc in X10 mode, you must first set up an X10 address. As it ships from the factory or after a factory reset procedure, LampLinc will not have an X10 address set up.

Setting the X10 Primary Address

- 1) Set LampLinc to Linking Mode by pressing & holding the Set button for 3 seconds

The LampLinc Status LED should begin blinking

The load should flash once

You will have 4 minutes to complete the next step before Linking Mode automatically times out.

- 2) Using an X10 controller, send the X10 address you want to assign and the ON command **three times**

For example, to assign the address A1, you would send "A1 ON A1 ON A1 ON."

- 3) Once LampLinc has received the sequence, it should exit Linking Mode

The LampLinc Status LED should flash twice and then turn on solid

The load should flash twice

Removing the X10 Primary Address

If you are no longer going to control LampLinc with an X10 address, it is very important that you Unlink it. Otherwise, LampLinc will still respond to X10 commands and may cause LampLinc to turn on by itself.

- 1) Set LampLinc to Linking Mode by pressing & holding the Set button for 3 seconds

The LampLinc Status LED should begin blinking

The load should flash once

- 2) Set LampLinc to Unlinking Mode by pressing & holding the Set button for 3 seconds

The LampLinc Status LED should continue blinking

The load should flash once

You will have 4 minutes to complete the next step before Unlinking Mode automatically times out.

- 3) Using an X10 controller, send the X10 address you wish to remove and the ON command **three times**

For example, to remove the address A1, you would send "A1 ON A1 ON A1 ON".

- 4) Once LampLinc has received the sequence, it should exit Linking Mode

The LampLinc Status LED should flash twice and then turn on solid

The load should flash twice

Setting the X10 On-Level and X10 Ramp Rate for the X10 Primary Address

When an X10 controller sends an X10 ON or X10 OFF command to LampLinc's Primary Address, the local On-Level and Ramp Rate apply. In other words, LampLinc should act the same way as it would if you manually tapped the switch.

See *Setting the On-Level* or *Setting the Ramp Rate* for instructions on setting up the local On-Level and Ramp Rate

NOTE: If you want an X10 On-Level or Ramp Rate other than the local values, you can set up one or more X10 scene addresses as described in *Remotely Setting the On-Level for an X10 Scene Address* and *Remotely Setting the Ramp Rate for the X10 Scene Address*.

Enabling/Disabling X10 Resume Dim

If X10 Resume Dim is enabled, LampLinc will remember the last brightness level to which it was set. Then, when an X10 ON command is received from an X10 controller, the load will go to the remembered brightness, rather than to the X10 On-Level.

To enable X10 Resume Dim, set up a local On-Level of off (or zero). To disable X10 Resume Dime, set up a local On-Level of anything but off. See *Setting the On-Level* for instructions on setting up the local On-Level.

ADVANCED X10 PROGRAMMING OPTIONS

Remotely Setting the On-Level for the X10 Primary Address

- 1) Using an X10 controller, send the CLEAR sequence:

O16	N16	M16	P16	M16
------------	------------	------------	------------	------------

- 2) Send the X10 Primary Address (house code and unit code)
- 3) Use the buttons on a Linked Controller to adjust the load to the desired brightness level. If you skip this step, the current On-Level will be used.
- 4) Send the following X10 address sequence to lock in the new On-Level:

P16	N16	M16	O16	M16
------------	------------	------------	------------	------------

Remotely Setting the Ramp Rate for the X10 Primary Address

NOTE: If you use this method for setting the Ramp Rate, you can achieve Ramp Rates ranging from 0.1 seconds to ~8 minutes, 30 seconds (versus 0.1 to 9 seconds).

- 1) Using an X10 controller, send the CLEAR sequence:

O16	N16	M16	P16	M16
------------	------------	------------	------------	------------

- 2) Send the X10 Primary Address (house code and unit code)
- 3) Use the buttons on a Linked Controller to adjust the load to the desired Ramp Rate (brighter is faster, dimmer is slower). The following table gives the approximate relationship between the brightness you set in this step and the Ramp Rate you get:

Approximate Brightness Level	Ramp Rate in seconds
90-100%	0.1
77-87%	0.2
65-74%	0.3
52-61%	0.5
39-48%	2.0
26-35%	4.5
13-23%	6.5
1-10%	8.5
Less than 1%	9.0

- 4) Send the following x10 address sequence to lock in the new Ramp Rate:

O16	P16	N16	M16	O16
------------	------------	------------	------------	------------

About the Advanced X10 Programming Options

LampLinc can be a member of up to 255 X10 scenes. An X10 scene address is just another X10 address like the X10 Primary Address. When an X10 ON command is sent to an X10 scene address, every X10 device with that address will turn on to its independent On-Level at its independent Ramp Rate (if a dimmable device). Sending an X10 OFF command to an X10 scene address will turn off all devices that are members of that X10 scene, each at its independent Ramp Rate. X10 devices will react to DIM and BRIGHT commands after the X10 scene address is sent (if the device is a dimmer). However, they will ignore ALL ON and ALL OFF commands for the X10 scene address.

Remotely Setting the On-Level for an X10 Scene Address

- 1) Using an X10 controller, send the CLEAR sequence:

O16	N16	M16	P16	M16
------------	------------	------------	------------	------------

- 2) Use the buttons on a Linked Controller to adjust the load to the desired brightness level. If you skip this step, the current On-Level will be used. A scene can trigger LampLinc to go off by setting the On-Level to 0%, or off.
- 3) Send the following X10 address sequence:

M16	N16	O16	P16
------------	------------	------------	------------

- 4) Send the desired X10 scene address (house code and unit code) to lock in the new On-Level and X10 scene address

Remotely Setting the Ramp Rate for an X10 Scene Address

- 1) Using an X10 controller, send the CLEAR sequence:

O16	N16	M16	P16	M16
------------	------------	------------	------------	------------

- 2) Send the LampLinc's X10 Primary Address (house code and unit code)
- 3) Use the buttons on a Linked Controller to adjust the load to the desired Ramp Rate (brighter is faster, dimmer is slower). The following table gives the approximate relationship between the brightness level you set in this step and the Ramp Rate you get:

Approximate Brightness Level	Ramp Rate in seconds
90-100%	0.1
77-87%	0.2
65-74%	0.3
52-61%	0.5
39-48%	2.0
26-35%	4.5
13-23%	6.5
1-10%	8.5
Less than 1%	9.0

- 4) Send the following X10 sequence:

O16	P16	N16	M16	O16
------------	------------	------------	------------	------------

- 5) Send the desired X10 scene address (house code and unit code) to lock in the new On-Level and X10 scene address

Remotely Removing an X10 Scene Address

- 1) Using an X10 controller, send the CLEAR sequence:

O16	N16	M16	P16	M16
------------	------------	------------	------------	------------

- 2) Send the LampLinc's X10 Primary Address (house code and unit code)
- 3) Send an X10 ON or OFF command
- 4) Send the following X10 address sequence:

O16	P16	M16	N16
------------	------------	------------	------------

- 5) Send the X10 scene address you wish to remove (house code and unit code)

ABOUT INSTEON

Using Dual-Band INSTEON Devices to Upgrade Your Network

What are phases?

The majority of single-family homes in North America have two phases (or “legs”) of 110 Volts coming into their electricity panels. From the panel, they are distributed throughout the home, providing power to outlets and wall switches. These phases come together in some parts of the home to provide 220 Volts of power to large appliances, such as an electric oven or pool pump.

Why do I need to bridge these phases?

Single-band power line devices send commands via the home's electricity, but only on a single phase. If the command is intended for a device on the opposite phase, there is a good chance the command will go unnoticed. Installing dual-band INSTEON devices, such as Access Points (#2443), on each phase will allow for devices to communicate between the two phases via RF.

Dual-band INSTEON devices embody the full potential of a true INSTEON mesh network. Taking the power line band signal and working in conjunction with the RF band signal, its dual-band function plays out in two ways:

- Phase bridger – a receiver of commands, reacting to and translating signals sent from one power phase to the opposite via RF
- Signal repeater – a participant in an INSTEON network, repeating commands intended for other devices whether those commands are generated from RF or power line-only devices. To ensure reliability, every INSTEON device confirms that it has received a command. If a Controller does not receive this confirmation, it will automatically retransmit the command up to five times.

While using at least one dual-band device is required when using an RF-only device, at least two dual-band devices are recommended in any INSTEON network to ensure reliable communication across two-phase home wiring systems. For larger applications, it is recommended to install at least one dual-band device for every 750 – 1,000 square feet.

Search for dual-band INSTEON devices at: www.smarthome.com/dualband

Important Note about INSTEON Networks; Split Single-Phase vs. 3-Phase Installation

For the best INSTEON network performance, be sure you have properly installed at least two dual-band INSTEON devices. INSTEON has only been officially tested in a split single-phase residential environment but has been known to work in many 3-phase systems, where three dual-band devices are used (one on each phase). However, due to the potential complexity of its troubleshooting, the INSTEON Gold Support Line is unable to support INSTEON in 3-phase environments.

Further Enhancing Reliability

As signals travel via the power line or RF throughout the home, they naturally become weaker the farther they travel. The best way to overcome weakened signals is to increase the coverage of the mesh network by introducing more INSTEON devices.

It is possible that some audio-video devices, computers, power strips, or other electrical equipment may attenuate INSTEON signals on the power line. You can temporarily unplug suspected devices to test whether the INSTEON signal improves. If it does, then you can plug in filters that will permanently fix the problem.

ADDITIONAL RESOURCES

Find home automation solutions, helpful tips, interactive demos, videos, user forums, and more at the Smarthome Learning Center: www.smarthome.com/learningcenter.html

TROUBLESHOOTING

Problem	Possible Cause	Solution
The Status LED on LampLinc is not turning on.	LampLinc may not be getting power.	Make sure LampLinc is not plugged into a switched outlet that is turned off.
LampLinc won't Link or work with a Controller.	The Controller or might have been reset without Unlinking LampLinc from it.	Re-Link LampLinc to the Controller.
	The Controller or and LampLinc may be on opposite power line phases.	Make sure two dual-band INSTEON devices are properly installed to bridge the two power line phases.
	The INSTEON signal may be too weak.	Add additional INSTEON devices or move around existing INSTEON devices. All INSTEON devices act as INSTEON network repeaters.
	Large appliances, such as refrigerators or air conditioners, may be producing electrical noise on the power line.	Install a power line noise filter (#1626-10) to filter electrical noise and minimize signal attenuation.
	Other electrical devices, such as computers, televisions, or power strips, may be absorbing the INSTEON signal.	
LampLinc is taking a long time to respond to a Controller.	The Controller may be sending commands to a Responder that is no longer in use. Commands for the unused Responder are being resent and loading down the signal.	Unlink any unused Responders from the Controller. HINT: If you are using home automation software, you can easily check scene membership and eliminate unnecessary Links.
		If the above doesn't work, perform a factory reset on the Controller.
The load turned on by itself.	Another Controller, a timer, or stray X10 signals could have triggered LampLinc.	Perform a factory reset on LampLinc. See <i>Resetting LampLinc to its Factory Default Settings</i> .
The load is buzzing when on or dim.	The dimming component inside LampLinc "chops" the power line sine wave to reduce the power.	The bulb filaments are vibrating. Use rough-service, 130 Volt, or appliance-grade bulbs to reduce the noise.
		Run LampLinc in the full-on mode or switch to a non-dimming INSTEON on/off switch.
The load only turns off when I tap a button on the Controller but I can brighten or dim it.	The On-Level may be set to very dim or fully-off.	Re-Link LampLinc to the Controller at a brighter On-Level. See <i>Linking an INSTEON Controller to LampLinc</i> .
The load doesn't appear to turn on right away.	The Ramp Rate may be set too slow.	Set a shorter Ramp Rate. See <i>Setting the Ramp Rate</i> .
LampLinc is locked up.	A surge or excessive noise on the power line may have glitched it.	Unplug LampLinc for 10 seconds and reinstall.
		If the above doesn't work, perform a factory reset. See <i>Resetting LampLinc to its Factory Default Settings</i> .
The lamp does not turn on when I manually activate the lamp's switch.	The Load Sensing feature may be set to off.	Re-enable Load Sensing. See <i>Enabling/Disabling Load Sensing</i> .
The load is not being controlled by LampLinc.	The load may not be getting power.	Make sure the load's manual switch is in the on position.
The LEDs controlled by LampLinc do not turn off completely when I send an OFF command.	You might be using a low-wattage LED. Since LEDs don't take a lot of power, the trickle-charge that runs through LampLinc may be enough to power the bulb.	Add to the load with more LEDs or higher wattage bulbs – generally higher than a 5 Watt load.

If you have tried these solutions, reviewed this Owner's Manual, and still cannot resolve an issue you are having with LampLinc, please call:

INSTEON Gold Support Line
800-762-7845

SPECIFICATIONS, CERTIFICATION, AND WARRANTY

Specifications

View specifications for LampLinc at: www.smarthome.com/2456D3.html

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.

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 Gold 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:

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

SMARTHOME™

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.

INSTEON Technology Patent

U.S Patent No. 7,345,998, International patents pending

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