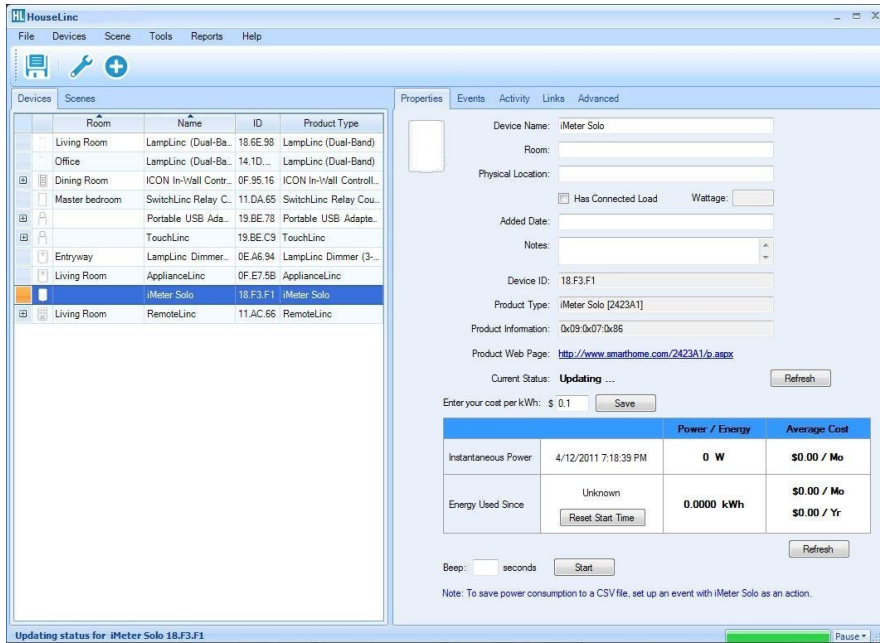


ZIGBEE INSTANT SCHEDULE



HouseLinc™

INSTEON® Desktop Software Compatible with Interface:

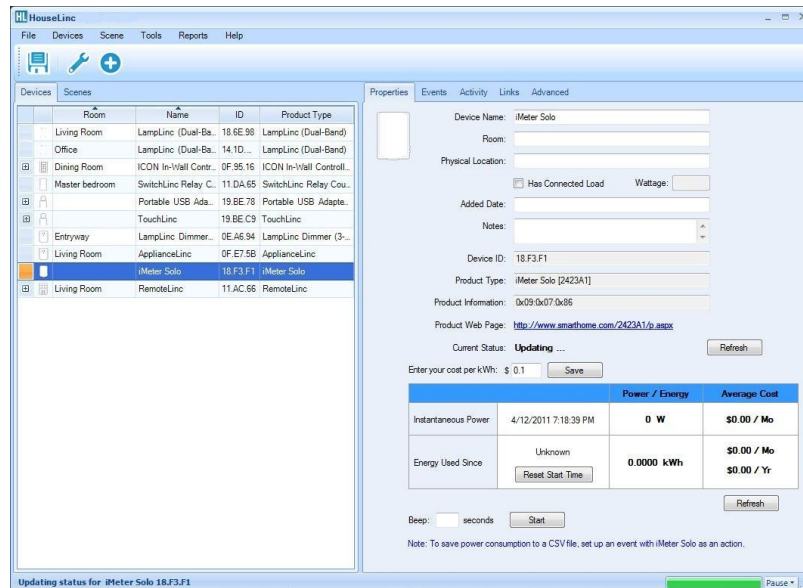
- Models :
- 2413S
 - 2413U
 - 2242-222
 - 2412N
 - 2412S
 - 2412U
 - 2448A7

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About HouseLinc

HouseLinc allows you to manage your entire INSTEON network using your PC. Create scenes, timed events, INSTEON triggered events and manually control devices from your computer.



Key HouseLinc Features

- Controls and programs your INSTEON devices from your computer
- Creates scenes in minutes— no need to individually program or link each device
- Triggers timers and events as long as your computer remains on with HouseLinc running
- Keeps logs of all links and tracks when each device/scene is activated or deactivated
- Performs advanced features for your INSTEON devices that may not be available through manual programming (varies with device)
- Automatically checks for updates to the HouseLinc interface
- Two-year warranty for hardware

System Requirements

- INSTEON Computer Interface (also known as PowerLinc Modem or PLM)
- Windows 2000, XP, Vista (32-bit or 64-bit), Windows 7 (32 or 64-bit)
- 15 MB of free disk space
- Minimum 128MB RAM
- Additional INSTEON devices to control


Installing HouseLinc

- 1) Be sure PowerLinc Modem or USB Adapter is not plugged into your computer
- 2) Go to www.insteon.com/houselinc.html to download HouseLinc
 - *A File Download dialog box will appear*
- 3) Click Download and save file to your desktop, then open/run the file
 - *A HouseLinc Setup wizard will appear*
- 4) Follow the instructions on the wizard to install HouseLinc
 - *HouseLinc will install*
- 5) Make sure the "Launch HouseLinc" box is checked and click "Finish"

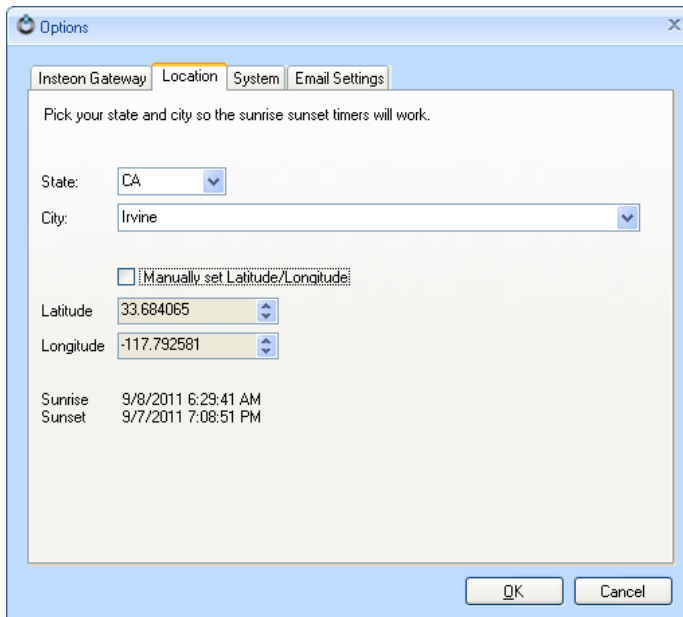
- *HouseLinc will load and the Options window will appear and read “No Computer Interface Found”*
- 6) Connect INSTEON computer interface (also known as PLM):
 - **PowerLinc Modem, Serial** – Plug PowerLinc Modem into an unfiltered AC outlet. Then, plug the clear end of the included DB-9 serial cable into PowerLinc Modem’s interface port and the black end of the cable into an available serial port on your computer.
 - **PowerLinc Modem, USB** - Plug PowerLinc Modem into an unfiltered AC outlet. Then, plug the square end of the included USB cable into PowerLinc Modem’s USB jack and the rectangular end into an available port on your computer.
 - **USB Adapter** – Plug USB Adapter into an available USB port on your computer
 - **Ethernet PowerLinc (Hub or SmartLinc)** – Connect interface to your router using the Ethernet cable included with the interface and plug into an unfiltered AC outlet.
 - 7) In the Options window, click “Start”
 - *HouseLinc will search for INSTEON computer interface*
 - 8) Select PowerLinc Modem or USB Adapter by clicking on it and then clicking “Activate”
 - *The INSTEON computer interface will be added to the Devices list*
 - 9) If a HouseLinc Updates window pops up, click “Update”. Then, click “OK” when the update is complete.
 - 10) Select the System tab in the Options window and then select “Start HouseLinc when I log into PC”, if desired
 - 11) Click “OK”

1st Time HouseLinc Setup

Set Up Location for Sunrise/Sunset

- 1) Click the  icon
- 2) Click on the Location tab
- 3) Select the city and state from the drop-down menus. If the locations aren’t displayed, either select the nearest location or manually enter the latitude and longitude.

NOTE: HouseLinc uses your computer’s clock for date/time and the location for sunrise/sunset



Options

Insteon Gateway Location System Email Settings

Pick your state and city so the sunrise sunset timers will work.

State: CA

City: Irvine

Manually set Latitude/Longitude

Latitude: 33.684065

Longitude: -117.792581

Sunrise: 9/8/2011 6:29:41 AM

Sunset: 9/7/2011 7:08:51 PM

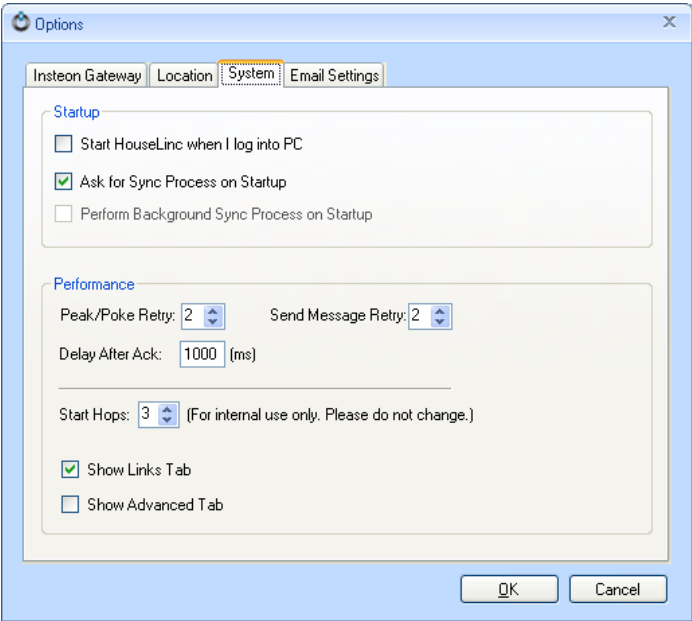
OK Cancel

Set Up Options for HouseLinc Startup


- 1) Click on the System tab
- 2) Click on “Start HouseLinc when I log into PC”. This is recommended because HouseLinc needs to be running for timer and INSTEON events to function.
- 3) We recommend you Uncheck “Perform

Background Sync Process on Startup”

NOTE: If this option is grayed out, make sure that “Ask for Sync Process on Startup” is also unchecked



Set Up Email Options

- 1) Click the  icon and then select the Email Settings tab
- 2) Type in your name and default email address into their respective fields
- 3) Enter the SMTP server and port (contact your email or internet service provider for this information)
 - a. If your ISP requires it, check the box “My SMTP server requires authentication to send email”
 - b. Enter the User Name and Password into the respective fields
 - c. If your ISP requires it, check the box “Use SSL”

Options

Insteon Gateway Location System **Email Settings**

Setup an email account to enable email alerts.

Your Name:

Email Address:

Use this address as the default email alert recipient

SMTP Server:

Port:

My SMTP server requires authentication to send email

User Name:

Password:


Use SSL

Gmail settings: SMTP Server = smtp.gmail.com, Port = 587
Authentication and SSL are required to send email.

- 4) Click “Send Test Email”
- 5) Once the dialog box pops up, click “OK”
- 6) In the Options box, click “OK” to save the email address settings – and exit Options window

Within a few minutes, you will receive an email with the subject: “Testing from HouseLinc”

Adding INSTEON Devices

- 1) Select the Devices tab and click the  icon

Add New Device window is displayed

HouseLinc puts PLM into linking mode for 4 minutes

- 2) The Add New Device window allows you to add devices three ways:
 - a. Add a single device by typing in the INSTEON ID (located on the label in XX.XX.XX format), and then click Add

A confirmation window will appear "DEVICE NAME XX.XX.XX has been added successfully"

Click "OK" to synchronize

- b. Add a single device by press & holding the Set button on the device you wish to add until it beeps (or its LED blinks)

A confirmation window will appear "DEVICE NAME XX.XX.XX has been added successfully"

Click "OK" to synchronize

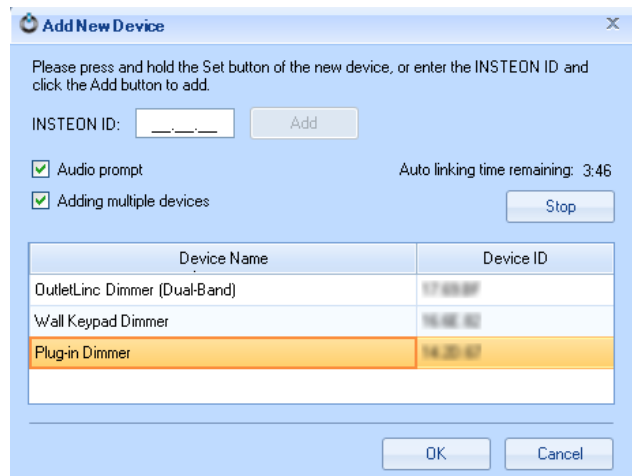
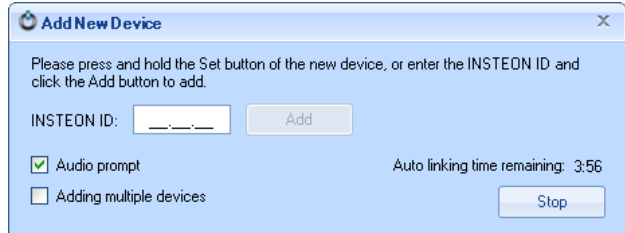
- c. Check the box "Adding multiple devices" to add multiple devices (one after another) by press & holding the Set button on the devices you wish to add until each device beeps (or its LED blinks)

HouseLinc will announce success and the device will display in the list.

When finished adding devices click the device name to rename.

Click "OK" to immediately begin synchronizing the devices.

Note: If the device is battery-powered, HouseLinc will automatically start synchronizing.



- 3) To set the devices name, location and other settings, click on your device in the Devices list and select the Properties tab
- 4) Click on each new device in the device list and enter its room and any other information you wish to record at this time. Note: it is highly recommended that you organize your devices by room.



INSTEON Device Properties

The Properties tab provides a quick view into local settings, name, location and notes as well as offering a direct control interface.

An example screenshot for a SwitchLinc Dimmer:

General Device Information

Direct Control

Local Settings

General Device Information

The general device section will allow you to set a name for your device, the location of your device as well as a specific location within the room (physical location), the wattage of the load it is controlling, date it was added and notes about the device.

The disable button allows you to stop a device from being managed by HouseLinc without having to delete it. This is helpful for devices that are only used during the holidays (Christmas lights, Halloween props, etc.). To start managing the device, simply uncheck this box.

You may also want to use this feature to prevent HouseLinc from managing other PLMs in your network (e.g., if you run both HouseLinc and ISY-99 you may not want HouseLinc to make changes to ISY-99's PLM).

Additional information includes Device ID, X10 Address (if used), Product Type and Product Information (INSTEON Device Category, Subcategory and Product Key)

Direct Control (Controlling a Device from HouseLinc)

You can send direct control commands to your INSTEON device. The control buttons for most responder devices consist of the following:

All responders:

- Turn On
- Turn Off

Dimmers only:

- Fast On (bypass local ramp rate)
- Fast Off (bypass local ramp rate)
- Brighten (incremental)
- Dim (incremental)
- Percentage (On level)

For responder devices that have a beeper, HouseLinc enables you to start beeping the device for a specified amount of time (in seconds). This is helpful when trying to locate a device.

Local Settings

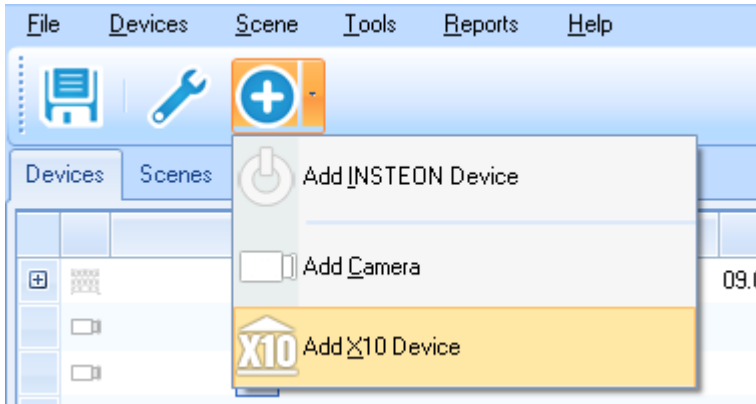
HouseLinc makes it quick and easy to program the local settings for your device. For responder devices you can set things like On Level and Ramp Rate. For controller devices you can change scene button modes (e.g., Toggle, On only or Off only) or even button configurations (e.g., 4-scene to an 8-scene Mini Remote / RemoteLinc 2). Both responder and controller settings can be set to Programming Lock which prevents manual changes from being made at the device.

Once you've finished making changes to your devices local settings, press the "Refresh" button. Note: for battery powered devices, simply activate them to begin writing the changes.

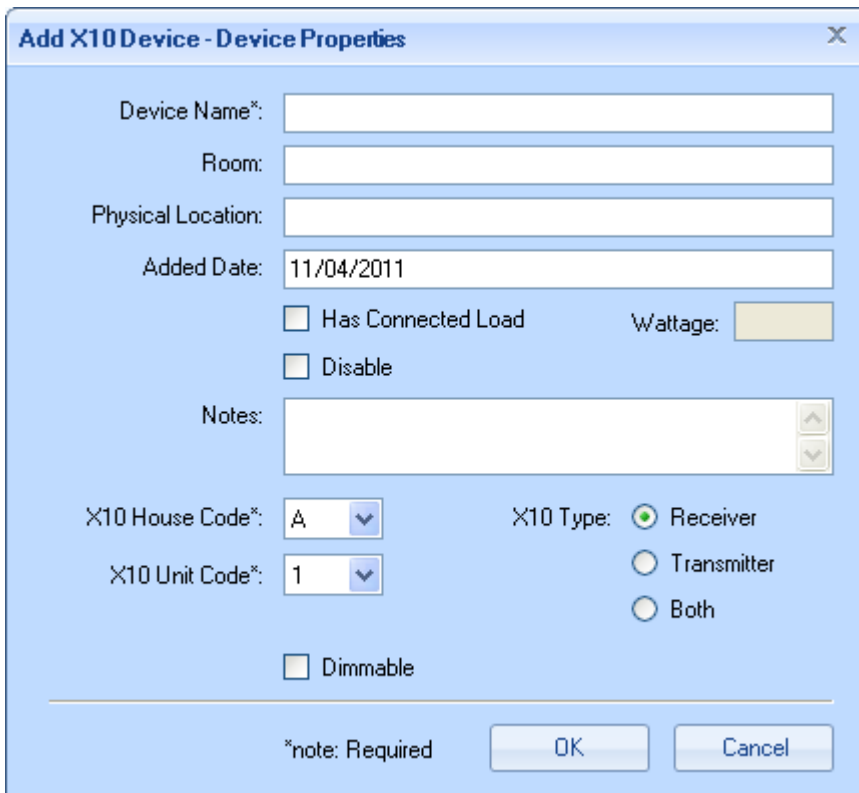
Adding X10 Devices

If you own X10 devices you add them into HouseLinc as a device.

- 1) Select Add X10 Device from the Add drop down




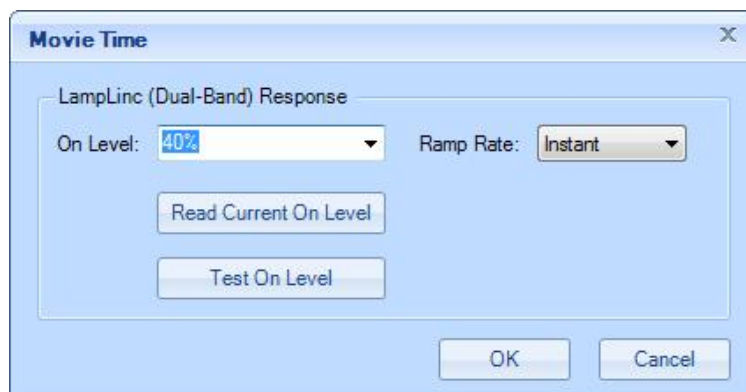
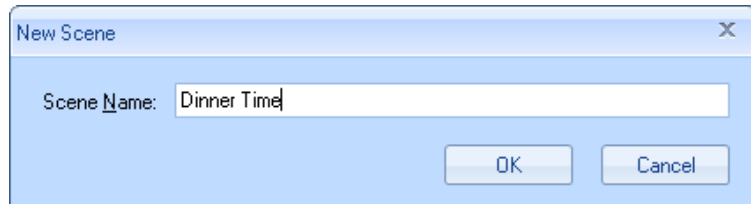
- 2) Enter the device properties. You can make changes later under the Properties tab.

A screenshot of the 'Add X10 Device - Device Properties' dialog box. The dialog has a title bar with a close button. The fields are: 'Device Name*:' (text input), 'Room:' (text input), 'Physical Location:' (text input), 'Added Date:' (text input with '11/04/2011' entered), 'Has Connected Load' (checkbox), 'Wattage:' (text input), 'Disable' (checkbox), 'Notes:' (text area with scrollbars), 'X10 House Code*:' (dropdown menu with 'A' selected), 'X10 Unit Code*:' (dropdown menu with '1' selected), 'X10 Type:' (radio buttons for 'Receiver' (selected), 'Transmitter', and 'Both'), and 'Dimmable' (checkbox). At the bottom, there is a '*note: Required' label and 'OK' and 'Cancel' buttons.

Creating Scenes


Scenes are a powerful INSTEON management tool. A scene can be made up of 2-200+ devices. For each device you choose whether the device is a controller of the scene and/or a responder of the scene. If the device is a responder, you also choose the devices settings for any given scene (e.g. brightness level and ramp rate for a light).

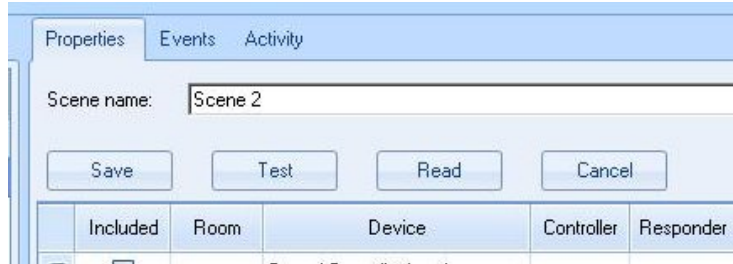
- 1) In the left pane, right-click anywhere in the scenes tab (or, you can click on the  icon
- 2) Name the scene and click "OK"
- 3) In the right pane, click on your column of choice to organize your devices for scene inclusion (e.g. Room)
- 4) For each device, click the Controller and/or Responder boxes
- 5) Repeat for all scene members
- 6) There are 2 ways to choose the scene settings for the device
 - a. Adjust all devices to desired settings in your home and click "Read" to capture the current states
 - b. Or, repeat the following for each Responder:
 - click "Edit"
 - Set the state you wish the Responder to go to when the scene is activated
 - Click "OK"



- Click "Test" to ensure the scene settings are as desired

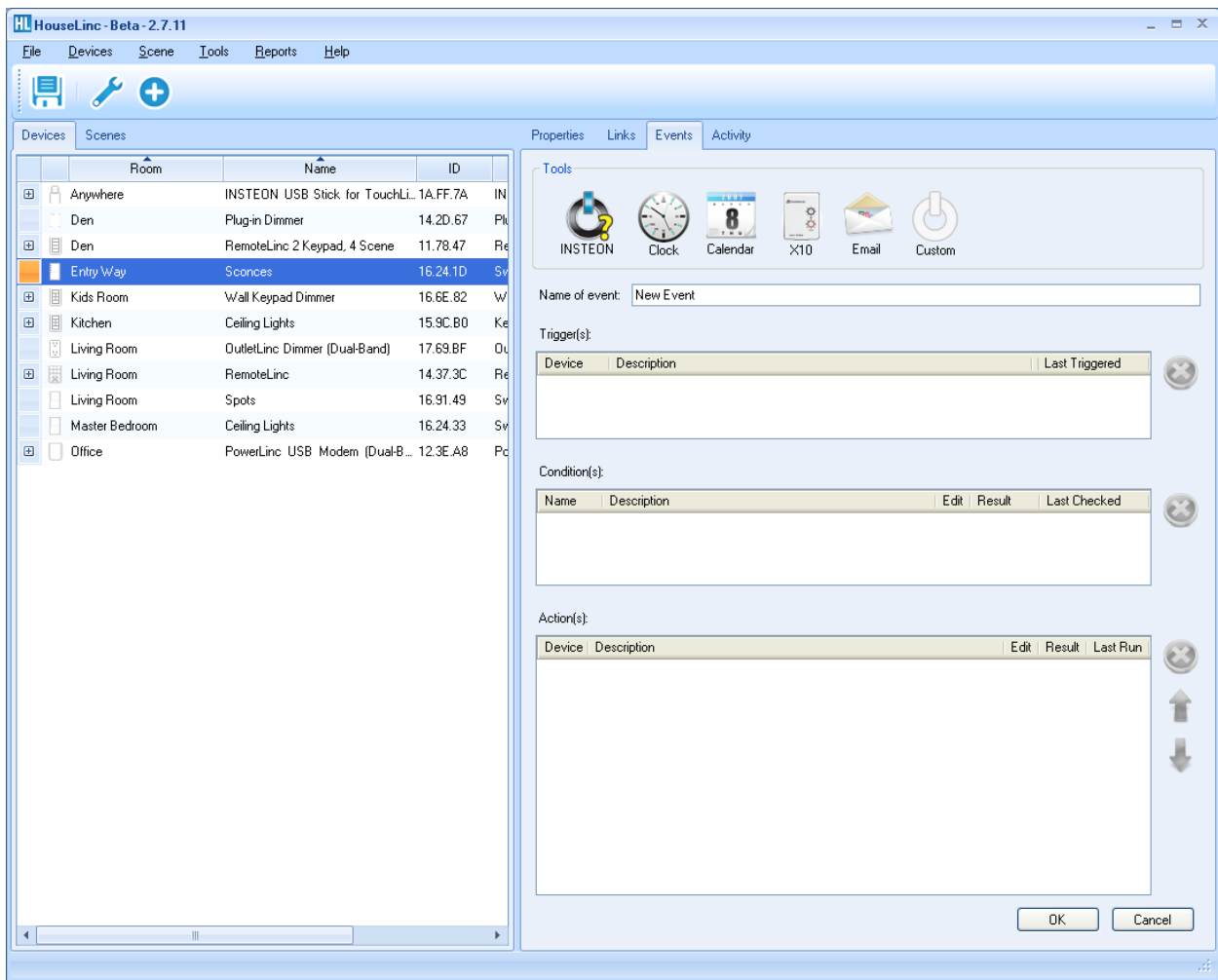
7) Click “Save” to save the scene

NOTE: The  icon does not save scene settings.



Creating Events

Events are a series of INSTEON, timer and/or email “**Actions**” executed upon an event “**Trigger**”, subject to “**Conditions**”. You can define one or more Conditions which must be “true” for the event to function (e.g. water the lawn at 7AM on the Condition that it is Monday, Wednesday or Friday)



Triggers

There are 3 Types of Triggers

- Timers – (Drag the Clock Icon into the trigger window and click edit)
 - Time of day (you can randomize around the time of day)
 - Sunrise or Sunset (you can choose a + or – offsets)

- INSTEON – (From the devices panel, drag the INSTEON device (or button) into the trigger window and click edit)
- X10 Commands – (Drag the X10 icon into the trigger window and click edit)

Conditions

Once triggered, the conditions are evaluated and if True, the Actions are carried out

- Calendar – Choose to have the event activate only on certain days of the week
- Clock – Choose to have the event activate only during a chosen time range, or when it is light or dark (based on the local sunrise / sunset)
- INSTEON Device State – Click edit to set a state value and then what logical test you wish to confirm. Logical tests include:
 - = equals to
 - > greater than
 - < less than
 - >= greater than OR equal to
 - <= less than OR equal to
 - <> not equal to
 - (Examples might include; device brightness level is = 50%, or > 20% or < 30% or >= 40% or <= 80% or not equal to (<>) 100%.
- HouseLinc will query the device when the event is triggered to perform the conditional test.

Actions

Steps which are executed when an Event is Triggered and all Conditions test true. Each step is executed in the order in which they are displayed.

- Scene Control – Turn a Scene On or Off (drag a scene into the Actions window and click edit)
- INSTEON Device – Control a device already in your devices list. Example commands to send include; On, Off, Beep, Set LED Brightness¹, etc. (drag INSTEON device or button into the Actions window and click edit)
- Pause – Halts execution of Actions for a desired period of time (drag clock icon into Actions window and click edit)
- Email – Sends email to configurable address with customizable subject line and body text (drag the envelope icon into the Actions window and enter details)
- Send INSTEON Command – Advanced users can send custom commands (Direct Standard or Direct Extended) to any device ID.

Create an Event

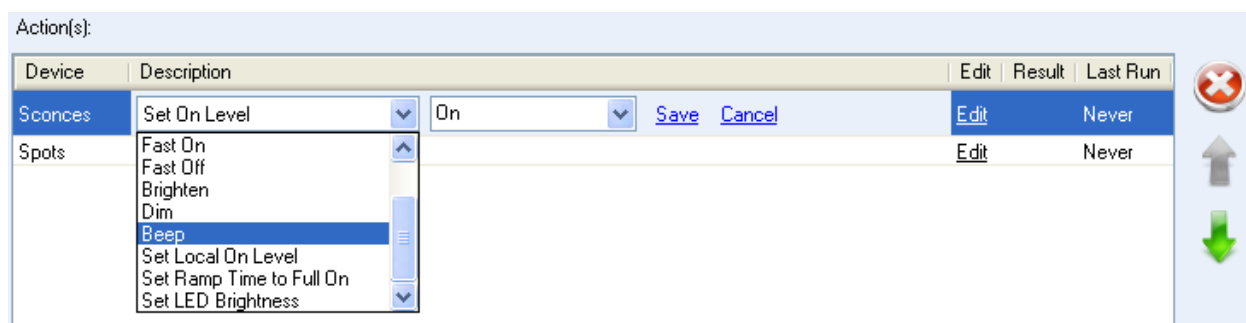
- 3) Click the Events tab
- 4) Click “Add Event” to create a new event or highlight an existing event and click “Edit Event” to make changes
- 5) If you chose “Add Event”, name the event in the “Name of event” field
- 6) Set the Trigger by dragging the INSTEON device/button, Clock or X10 Icon into the Triggers window (hint: you create multiple, independent Triggers to a scene)

¹ NOTE: Setting the LED brightness does not turn on the device’s LED if it is off. If you would like the event to turn on the LED as well, this can be set as a second action in the event.

- 7) Set Conditions by dragging an INSTEON device, the Clock icon or the Calendar icon into the “Condition(s)” pane (hint: you can create multiple conditions)
- 8) Select Actions by dragging Scenes, INSTEON devices/buttons, Clock icon (for pauses), Email or INSTEON icons into the “Action(s)” pane
- 9) When you are finished creating the event, click “OK” to save settings

Modify an Event

- 1) Click the Events tab
- 2) Click on the Event you wish to modify
- 3) Click the Edit Event Button
- 4) Click on the trigger, condition or action you wish to edit or remove
 - a. Click its “Edit” button to modify
 - b. Click on the “X” to the right to remove



Run / Test an Event

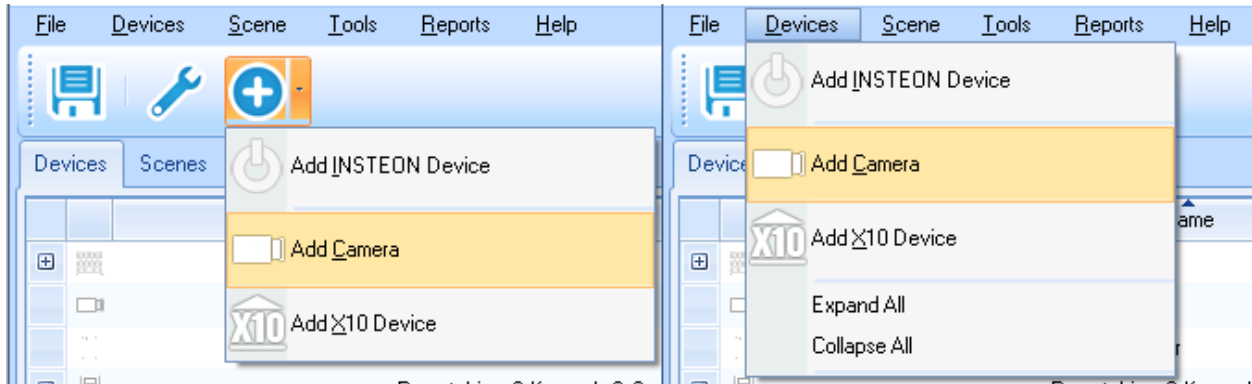
- 1) Click the Events tab
- 2) Click on the Event you wish to run / test
- 3) Click on the Test Button

IP Camera Support

HouseLinc allows you to capture IP Camera images and send them via email to you as part of an event. For example: when the front door motion sensor is triggered, have HouseLinc email you a snapshot from the front door IP Camera.

Adding an IP Camera

- 1) Click on the dropdown arrow and select Add Camera or select Devices->Add Camera Click on the Event you wish to run / test



2) Configure the IP Camera within the Properties tab

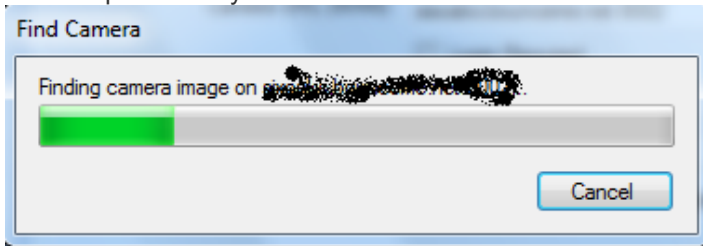
 A screenshot of the 'Properties' tab for an 'IP Camera' device. The form contains the following fields and controls:

- Device Name: IP Camera
- Room: [Empty text box]
- Physical Location: [Empty text box]
- Added Date: 11/04/2011
- Notes: [Text area with scrollbars]
- IP Address: [Empty text box]
- Product Type: IP Camera
- Settings section:
 - Camera URL (LAN): [Empty text box] * required for IP Camera
 - Camera URL (WAN): [Empty text box]
 - Login Required
 - User Name: [Empty text box]
 - Password: [Empty text box]
 - Refresh Rate: 1 seconds (dropdown menu)
- Video Preview Area: A large blue-bordered rectangle representing the camera feed.
- Navigation Controls:
 - Left: [Empty text box]
 - Right: [Empty text box]
 - Up: [Empty text box]
 - Down: [Empty text box]
 - Zoom In: [Empty text box]
 - Zoom Out: [Empty text box]

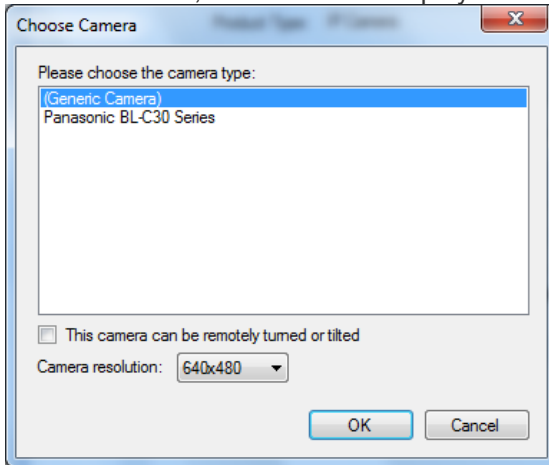
Add the properties information as you would with any other device but under the Setting section, enter the following information:

- Camera URL (LAN)** = local internet address – camera
- Camera URL (WAN)** = global internet address – camera
- Login Required** = Checked if camera is password protected
- User Name** = set up to access the camera
- Password** = set up to access the camera

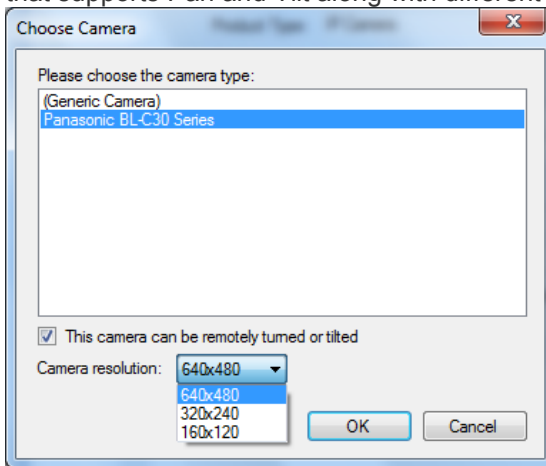
- 3) After you have entered the camera URL, HouseLinc will attempt to locate the IP Camera image at the location provided by the user.



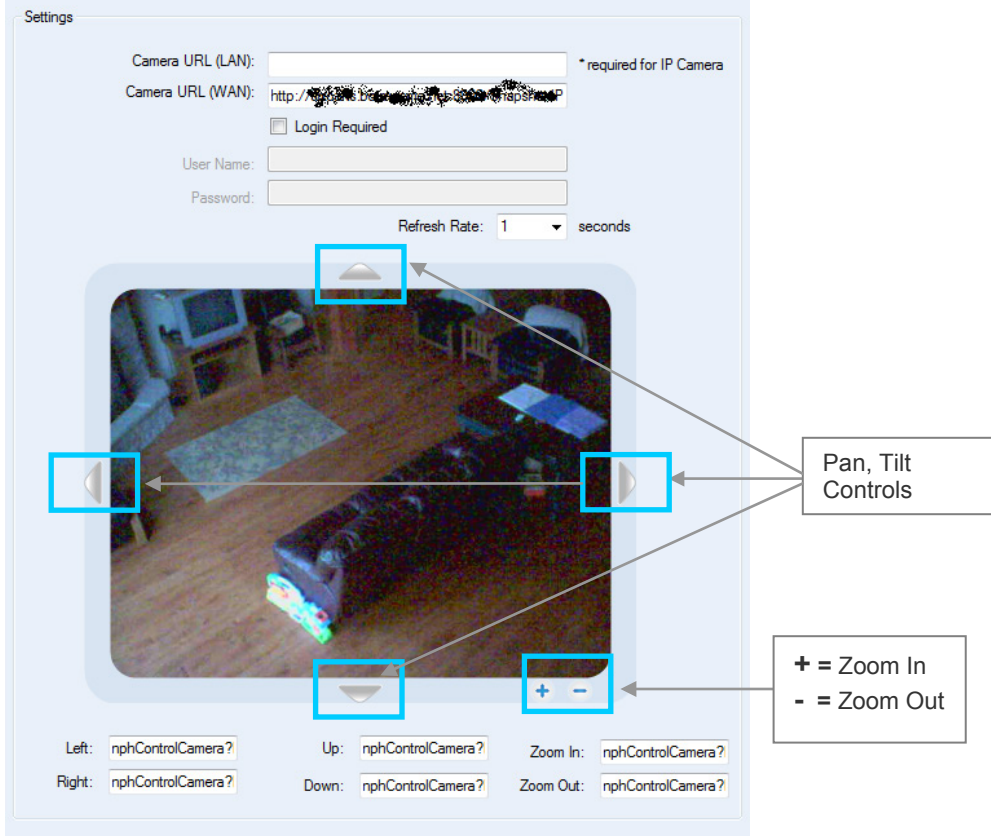
- 4) After the search, HouseLinc will display a selection to the user to confirm it's findings:



Note: different IP cameras support different functions. For example, the dialog below is for a camera that supports Pan and Tilt along with different camera resolutions.



- 5) If your IP camera offers directional controls (Pan, Tilt, Zoom), you can control them from HouseLinc



Using the IP Camera as an Action in an Event

Set up HouseLinc to email you a snapshot of your IP camera whenever your motion detector sees motion or based on a time schedule.

- 1) Create a new event
- 2) Set up your Trigger and Conditions (e.g., Clock: 6AM, Motion Sensor: ON, etc.)
- 3) Drag and drop the camera as an Action

If you have not yet configured your email settings you will be prompted to do so.

Email Account Settings - First Time Setup

Setup an email account to enable email alerts.

Your Name:

Email Address:

Use this address as the default email alert recipient

SMTP Server:

Port:

My SMTP server requires authentication to send email

User Name:

Password:

Use SSL

Gmail settings: SMTP Server = smtp.gmail.com, Port = 587
Authentication and SSL are required to send email.

Once you have entered your email settings, HouseLinc will prompt you to configure an email that will be sent along with the IP camera image.

Email Alert

File

Separate email addresses with a comma

To:

Cc:

Subject:

Save when done.

- 4) Click OK to save the Event
- 5) Test the event to make sure you receive the email with the IP camera image attachment


Activity Log

Click on the Activity log on the right hand pane to view a log of INSTEON commands in your home. A detailed log file can also be viewed by clicking on the link near the top of the page. Note: You may notice duplicate messages as wireless devices send their command twice.

Other HouseLinc Features and Functions

Saving Configuration

Your Home's configuration / settings are stored:

- A) on Your hard drive - There are 3 ways to save your settings/configuration to your hard drive
 - 1) Automatically (HouseLinc will save every few minutes while making changes)
 - 2) Exit HouseLinc
 - 3) Click on the  Icon
- B) In your INSTEON devices – which happens one of many ways
 - 1) Most changes are saved in the background, automatically as you work
 - 2) You can right-mouse click on a device in the device list and choose “synchronize device”
 - 3) You can click on the Tools drop down and select “synchronize house” (this may take a while depending upon the number of devices)

Backing Up Configuration

Save using this method only if you need to back up the HouseLinc settings file.

- 1) Select File → Save As... to back up the HouseLinc configuration
- 2) Select the desired file location, name it, and then click “Save”

Updating HouseLinc

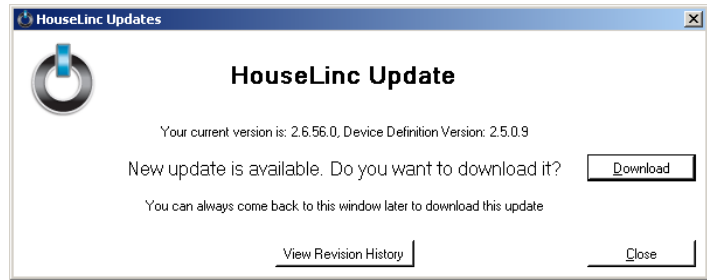
Smarthome regularly publishes updates to HouseLinc. It is recommended to install updates as soon as they become available, as they will contain new features, additional product support and overall improvements. NOTE: An Internet connection is required to receive updates.

HouseLinc software automatically checks for updates:

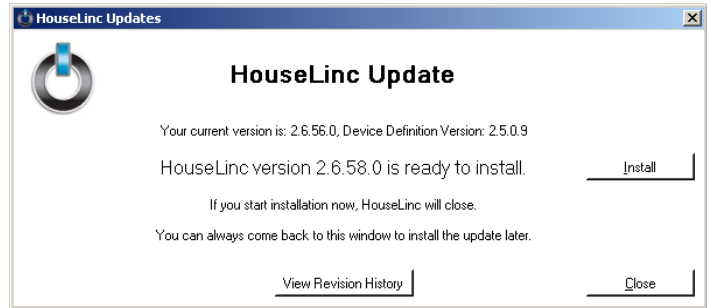
- When the program is installed
- When manually check (from Tools → Check for Updates)
- Every 24 hours, when running

Updating Instructions

- 1) If the HouseLinc Updates window is not open, select Tools → Check for Updates
- 2) Click “Download”
NOTE: If no updates are available, there will be “Check” in place of “Download”.



- 3) Click “Install”
The HouseLinc Setup wizard will appear



- 4) Click “Next” to continue the wizard
- 5) Select your HouseLinc installation folder and click Next
- 6) Click Next
The HouseLinc update will begin installing
- 7) When installation is complete, click “Close”

Removing a Device

HouseLinc has the ability to remove a device not only from the Devices list, but remove any links to it from all devices in the Devices list. If you are replacing a device and want all links to be copied to the new device, see *Using the Swap Device Feature*.

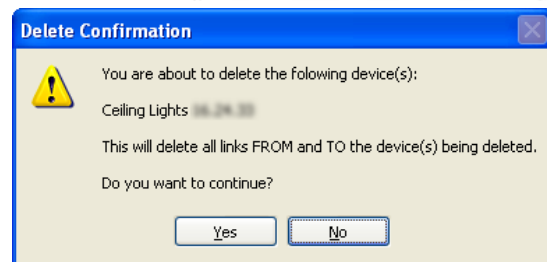
- 1) Right-click on the device you want to remove, and select “Delete”

An "Are you sure?" dialog box will appear



- 2) Click “Yes” to continue or “No” to cancel

If you choose “No”, the dialog box will close and return to the HouseLinc home screen. If you choose “Yes”, HouseLinc will remove this device from the Devices list and begin deleting its links

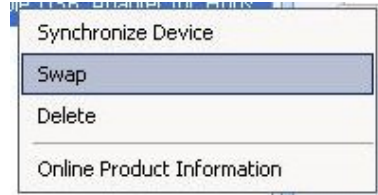


NOTE: The software will find this device again if linked to from any other devices

Swap Device

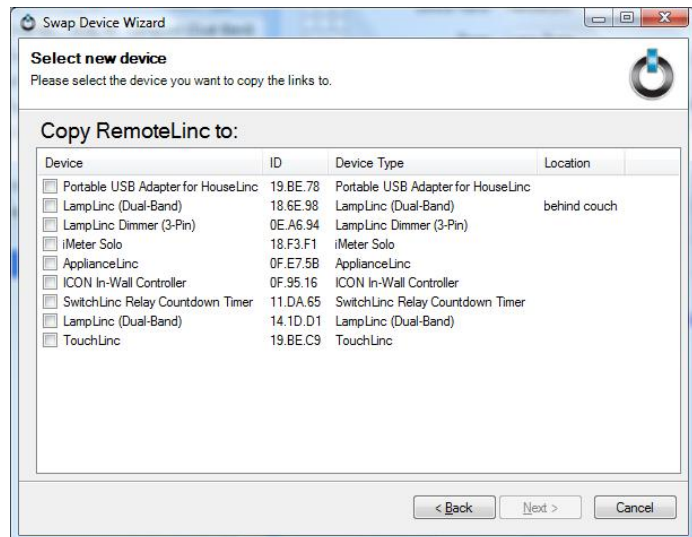
If you are replacing (or upgrading) a device, you can use this feature to:

- Copy links from one device to the other
- Update the events / timers to work with the new device
- Delete links to and from the device being replaced

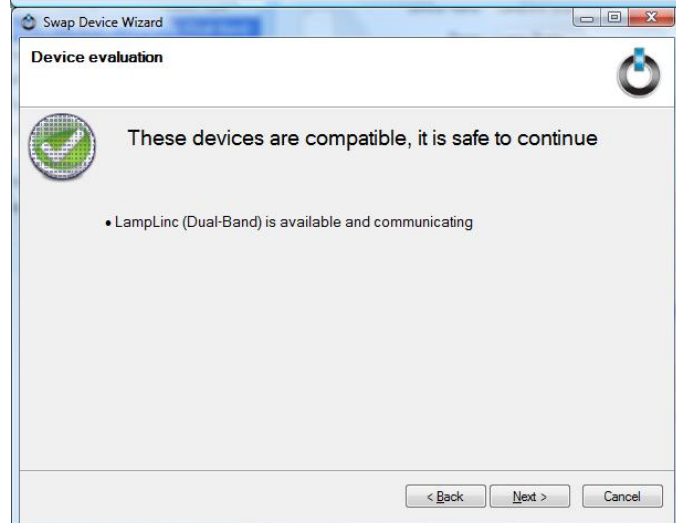


- 1) Be sure you have added the device. See *Adding Devices Using Auto link* or *Adding Devices Manually Using Their INSTEON IDs*.
- 2) Right-click on the device being replaced in the Devices list and select "Swap"
- 3) Click Next to begin the Swap Device wizard
- 4) Read the "Important Note" and click "Next"
- 5) Check the box next to the device you'll like to copy the links to and click "Next"

HouseLinc will run a basic compatibility test between the new device and the device being replaced



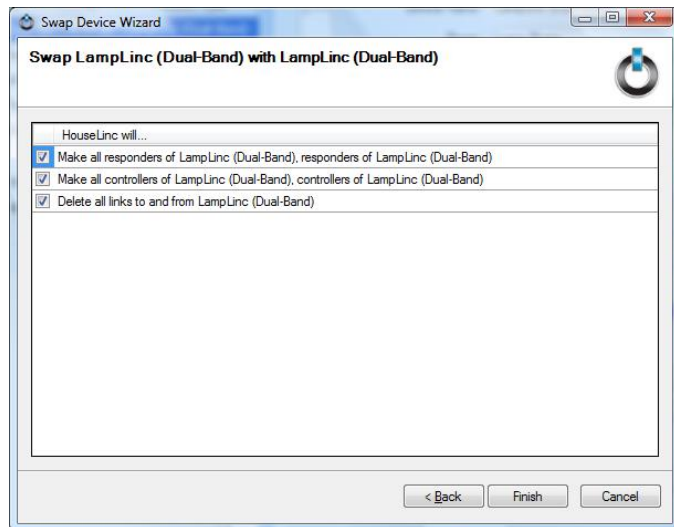
- 7) Once compatibility has been determined, click "Next"



- 8) Check the box next to each of the desired options and then click “Finish”

HouseLinc will begin making changes to the INSTEON network

- 9) Click “OK” to exit



Synchronize Device

HouseLinc will read-in any manual changes you might have made locally, at the device (e.g., changed the local on-level). Synchronizing a device makes sure that HouseLinc has and displays the most current information for the device. Note: HouseLinc will read the device and compare its database with HouseLinc's database. A comparison of that data determines whether HouseLinc keeps or deletes links/settings.

- 1) Right-click on the device you wish to synchronize in the Devices list and select "Synchronize Device"

If the device needs to be synchronized, you will see a status update in the lower corner bar of HouseLinc

The screenshot displays the HouseLinc software interface. On the left, a 'Devices' list shows various rooms and their associated devices. The 'Entry Way' room is selected, and the 'Sconces' device is highlighted. The main pane on the right shows the 'Properties' for this device, including fields for Device Name, Room, Physical Location, and various settings like 'Has Connected Load' and 'Wattage'. The 'Current Status' is 'Unknown', and there are buttons for 'Refresh', 'Turn On', 'Fast On', 'Brighten', 'Turn Off', 'Fast Off', 'Dim', 'Set', and 'Beep'. The 'Local Settings' section includes 'LED brightness', 'On Level', and 'Ramp Rate'. A task bar at the bottom indicates 'Task 2/2 - Synchronizing Database of Entry Way Sconces 16.24.1D'.

Synchronize the Whole House

- 1) Click on the Tools Drop down menu
- 2) Click on Synchronize House

HouseLinc will begin synchronizing all devices in the house. Please note that this process takes over one minute per device, on average.

- 3) Once the synch is complete you can click on Reports, Synchronization Report to view a complete record of the synchronization (you can follow the same steps to view a report on the portion of the synch that has already been performed even while it is running – and repeat to update report)

Phase Bridging with Dual-Band PLM

- 1) Start Phase Bridging Detection Mode by tapping the Set button on PowerLinc Modem four times quickly

PowerLinc Modem will begin beeping continuously and the Status LED will be solid green

- 2) Check the LED behavior of the other dual-band devices to see if they are on the opposite phase

If at least one of the other dual-band device LEDs is blinking green², continue to step 3

Otherwise, move dual-band devices until at least one of them exhibits the desired LED behavior

- 3) Tap the Set button on PowerLinc Modem to exit Phase Bridging Detection Mode

PowerLinc Modem will stop beeping and its Status LED will remain solid green

Running Signal Diagnostics

Signal Diagnostics measures the signaling statistics to each device. This tool helps to confirm that your INSTEON network is properly configured, that devices are in range and that it will work as expected. If the statistics measured are not acceptable, typically all that is required is the addition of one or more FilterLincs and/or dual-band INSTEON products (such as an Access Point).

- 1) Click on the Tools Drop down menu
- 2) Click on Advanced
- 3) Click on Signal Diagnostics
- 4) Click on the DeviceName column header to sort alphabetically
- 5) Click on the Start Button

HouseLinc will begin 100 tests of each always-on INSTEON device in your home. It will test both standard and extended length messages. Results are displayed in the SD Success and ED Success Columns. Sequential test data for each device is listed in the lower pane.

- 6) We recommend that if any of your devices test out at below 99%, you consider adding additional INSTEON devices (for hopping messages) and/or powerline FilterLincs to reduce noise and signal attenuation in your home.

For more on signal diagnostics read [Resolving INSTEON Network Issues Using HouseLinc Diagnostics](#).

² or is bright solid white or blue, the device is on the opposite phase

Troubleshooting

Problem	Possible Cause	Solution
The settings change I made on the device did not take effect.	The device may need to synchronize with HouseLinc.	Right-click the device in the Devices List and choose Synchronize Device.
I am unable to detect my PLM	USB Drivers not installed correct	Download and install the latest USB drivers and restart HouseLinc. http://www.insteon.com/houselinc.html
Plug-in or wired-in device won't synch with HouseLinc	Product may be out of range	Install FilterLincs or additional dual-band INSTEON products to improve signaling
	Unit may need to be reset	For plug-in devices, unplug the unit for 10 seconds and then reinstall For wired-in devices, use the air gap (pull the Set button out as far as it will go or turn off circuit breaker), wait 10 seconds and then push back in or turn on circuit breaker.
	Device was factory reset and lost it's link to HouseLinc	Re-link to HouseLinc
Battery powered device won't synch with HouseLinc	Product may be out of range	Try moving the device closer to a dual-band device or add additional dual-band INSTEON products to improve signaling
	Unit may need to be reset	Remove the battery, wait 10 seconds and then reinstall. If the battery is non-removable use its power switch to cycle power for 10 seconds.
	Device was factory reset and lost it's link to HouseLinc	Re-link to HouseLinc
Events that are based on time are happening at the wrong time.	The time for the HouseLinc system may be set for the incorrect time zone.	If you are in a time zone other than PST, double-click the time in the system tray and set the time to the correct local time. Also be sure to adjust daylight saving time settings as appropriate for your time zone.

If you have tried these solutions, reviewed this Owner's Manual, and still cannot resolve an issue you're having with HouseLinc, please call: 866-243-8022

Move HouseLinc to Another Computer

On the original computer:

- 1) Go to Start → Programs → HouseLinc → View Data Folder
- 2) Open the Settings folder
- 3) Find the file "HouseLinc.settings.xml" and save to flash drive (or other).

BE CAREFUL: Many file names may be similar. Be sure you are saving the correct one.

On the new computer:

- 4) Be sure HouseLinc is properly installed, but not running. Open HouseLinc and then manually exit (go to File → Exit) to be sure HouseLinc is not running.
 - 5) Go to Start → Programs → HouseLinc → View Data Folder
 - 6) Open the Settings folder
 - 7) Place the HouseLinc.settings.xml file you saved from your old computer into the Settings folder
- Your computer will ask if you want to replace the existing file with the new one*
- 8) Overwrite/replace the existing HouseLinc.settings.xml file
 - 9) Open HouseLinc

HouseLinc will display all the devices and configurations from the old computer

Releasing COM Ports in Windows Operating Systems

Windows operating systems will assign COM ports to devices that have been attached to the computer. This most commonly happens with “virtual COM port drivers” that are actually USB products, but appear to be COM ports to the computer (such as a PowerLinc Modem).

When the PowerLinc Modem is first connected to the computer, the operating system automatically assigns a COM port number. This COM port number might be high, such as COM 11. A problem can arise if the software only allows a limited range of COM ports, for example COM 1 through 8. Additionally, each PowerLinc Modem contains a unique serial number burned into the USB interface chip by the IC manufacturer. If different PowerLinc Modems are connected to a computer, each one attached will cause a new COM port to be reserved by Windows.

Try the following steps to release Windows-reserved COM ports from previously released hardware that is no longer in use:

- 1) Go to Start → Programs → Accessories → Command Prompt
 - 2) At Command Prompt, type the command “set devmgr_show_nonpresent_devices=1” and hit Enter
 - 3) Type “start devmgmt.msc” and hit Enter
 - 4) Once Device Manager opens, go to View → Show hidden devices
- This will display devices that are not connected to the computer but still have space reserved for them by Windows.
- 5) Expand the Ports (COM & LPT) section
 - 6) Remove all devices in the list of ports that are grayed out but have a specific COM port number assigned to them. Right-click on the grayed-out device, choose Uninstall and then click OK in the dialog box.
 - 7) When you are finished removing the devices, close Device Manager
 - 8) At Command Prompt, type “exit” and hit Enter

Specifications, Certification, and Warranty

Brand	INSTEON
Devices	
PLM Links (max)	1,000
Devices (max)	Only constrained by maximum number of PLM Links
Scenes	
PLM Scenes (max)	256
Managed Network Scenes	10,000
Members Per Scene	1,000
Membership Types	Controller only, Responder only and Both
Nested Scenes	Not supported at this time
Manual Scene Setting	Supported - Type in on levels, ramp rates, etc.
Automatic Scene Setting	Supported - Simply adjust members to their desired states and "read" into the scene
Events	
Maximum Timer Events	> 1,000
Timer Event Types	Time of Day, Sunrise and Sunset
TOD Event Adjustments	+ or - up to 15 minutes random
Sunrise/Sunset Event Adjustments	Up to 23 hours before or after
Sunrise/set Calculation	Location based
Location Entry	City & State (1,000 choices) or Lat/Lon Entry
Celestial Clock	Yes
Maximum INSTEON Triggered Events	> 1,000
INSTEON Trigger Types	
	On Pressed
	Off Pressed
	On Double-tapped
	Off Double-tapped
Conditionals	Event level
Conditional Types	Day of week, INSTEON Device Status (polled at time of event trigger)
	Time of day range
	Night or Day (based on celestial clock)
	Device state (On, Off, Relay Closed, Relay Open, On level =, > or < a Selectable level, Thermostat mode and Temperature =, > or < a

	Selectable level.
Action Types	INSTEON Scene, INSTEON Command, Email/SMS, Timed Pause
Maximum Actions	> 100 per event
General	
Autostart Upon PC Startup	Configurable
Autosynch House Upon Launch	Configurable
Politeness	Configurable (1-10,000 milliseconds)
Application Retries	Configurable (0-10)

INSTEON Technology Patent

U.S and International Patents Pending (see www.insteon.com)

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