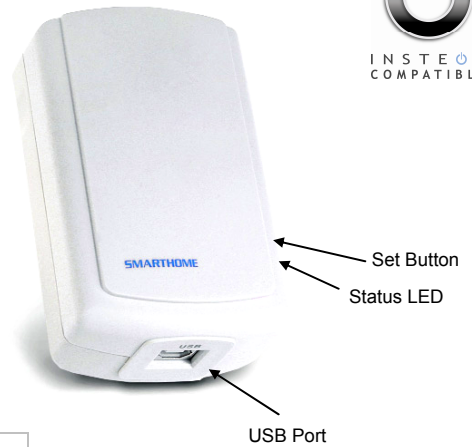


# Quick-Start Guide

## PowerLinc™ Modem – INSTEON® USB Interface (Dual-Band)

Model: 2413U

USB Interface for INSTEON Software



### Key Features

- No background software needed with computer programs
- Straight-forward and simplified command set
- Easy and trouble-free USB connection
- Stores over 1,023 INSTEON Links in 64KB of non-volatile memory
- Simultaneously communicates via power line and RF (radio frequency) for maximum reliability
- Access Point functionality:
  - Allows INSTEON power line signals to easily move between the 2 electricity feeds in your home when used with other INSTEON dual-band products
  - Translates INSTEON signals to and from wireless RF and power line communications

### Install USB Drivers

- 1) Be sure your PowerLinc Modem is not connected to your PC
- 2) Open a web browser, type in <http://www.smarthome.com/files/2412udrivers.zip> and press enter  
*"File Download" dialog box will appear*
- 3) Click Save and select a convenient location (like your desktop) and click Save
- 4) Locate the "2412udrivers.zip" file on your PC, right-click on it, and then click Extract All...  
(Note: Unzip process may vary, depending on your default unzip utility)  
*"Extraction Wizard" dialog box will appear*
- 5) Click, Next, Next, and then Finish  
*A folder containing "USB Drivers" will open*
- 6) Double-click on the folder "USB Drivers" and note the path. It will be needed for steps 10 and 14.
- 7) Plug PowerLinc Modem into an AC outlet, plug the square end of included USB cable into the PowerLinc Modem USB jack and the rectangular end of USB cable into an available port on your PC  
*"Found New Hardware Wizard" will appear*
- 8) Select Install from a list or specific location (Advanced) and click Next
- 9) Select Search for the best driver in these locations. Be sure the box "Include this location in the search" is checked, and then click Browse.
- 10) Locate the folder "USB Drivers" from step 6, select it in the dialog box and then click OK  
*Once the driver is installed, wizard will display "Completing the Found New Hardware Wizard"*
- 11) Click Finish  
*Another "Found New Hardware Wizard" will appear*
- 12) Select Install from a list or specific location (Advanced) and click Next
- 13) Select Search for the best driver in these locations. Be sure the box "Include this location in the search" is checked and then click Browse.
- 14) Locate the folder "USB Drivers" from step 6, select it in the dialog box and then click OK  
*Once driver is installed, wizard will display "Completing the Found New Hardware Wizard"*
- 15) Click Finish

### Tips for Using PowerLinc Modem

- Do not plug PowerLinc Modem into a power strip or AC line filter
- Some computers and their accessories can absorb PowerLinc Carrier (PLC) signals off the power lines. Since PowerLinc Modem will be so close to the computer, the power strip for the computer should be filtered. Use Smarthome's FilterLinc™ (#1626) on the computer's power strip to keep the PowerLinc Modem signals from getting absorbed by the computer equipment.
- Don't plug other PLC transmitters into the same outlet as PowerLinc Modem. Every PLC transmitter will absorb the other transmitter's PLC signals when they are not transmitting. In some cases, up to half the signal can be lost due to nearby transmitters.
- Do not place near large metal objects like a refrigerator, cabinet, or TV

### Using PowerLinc Modem to Bridge Phases

PowerLinc Modem can help bridge the phases in your home like an Access Point. Use the following procedure to test that the phases have been bridged.

- 1) Tap the PowerLinc Modem Set button 4 times quickly  
*PowerLinc Modem will begin beeping continuously once per second and the LED will turn solid green*
- 2) Now, check the LED behavior of your other dual-band devices. Verify at least 1 of your dual-band devices' LEDs does one of the following:
  - *If your other dual-band devices are rev 2.0 or above, the Status LED will blink green*
  - *If your other dual-band devices are rev below 2.0, the Status LED will be bright and steady white or blue*
- 3) If none of your dual-band devices exhibit the behavior in Step 2, try:
  - Repeat steps 1 and 2 with your other dual-band products to see if they are bridging the phases
  - Moving your other dual-band products to other locations until they exhibit the desired LED behavior
- 4) Tap the PowerLinc Modem Set button to exit Phase Bridging Detection Mode  
*PowerLinc Modem will stop beeping*

### Become a Developer

For information about becoming an INSTEON developer, visit the PowerLinc Modem Developer Kit product page at:

<http://www.smarthome.com/insteon/sdk2600s.html>

### Questions?

Call: Tech. support @ 1-800-SMARTHOME (800-762-7846)

Contact Us Online:

<http://smarthome.custhelp.com/cgi-bin/smarthome.cfg/php/enduser/ask.php>

### FCC Compliance Statement

This device complies with FCC Rules Part 15. Operation is subject to 2 conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference that may be received or that may cause undesired operation. The digital circuitry of this device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio and television reception. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:

- Re-orient or re-locate the receiving antenna of the device experiencing the interference
- Increase the distance between this device and the receiver
- Connect the device to an AC outlet on a circuit different from the one that supplies power to the receiver
- Consult the dealer or an experienced radio/TV technician

WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SmartLabs Limited Warranty – SmartLabs warrants to original consumer of this product for a period of 2 years from date of purchase, this product will be free from defects in material & workmanship & will perform in substantial conformity with its owner's manual. Warranty shall not apply to defects caused by misuse or neglect.  
U.S. Patent No. 7,345,998, International patents pending © Copyright 2009  
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