Quick-Start Guide

POWERLINC™ MODEM - INSTEON USB INTERFACE (DUAL BAND)

USB Interface (#2413U)

INSTEON™ PowerLinc interface with USB communications for full-time software applications.

USB Port

Need Help? For assistance call your friendly support person @ 800-762-7846

Key Features

- No background software needed with computer programs
- Straightforward and simplified command set
- Easy and trouble free USB connection
- Stores over 2,016 INSTEON Links in 128Kb of non-volatile memory
- Communicates via powerline and RF INSTEON for maximum reliability

Connecting PowerLinc Controller Interface to the Computer

1. Insert included Driver CD into your CD-ROM Drive
   Auto launch Dialog Box will appear
2. Plug PowerLinc Modem into an AC outlet, plug square end of included USB cable into PowerLinc Modem's USB jack and rectangular end of USB cable into an available port on your PC
   Found New Hardware Wizard will appear
3. Follow instructions to add your FT232R USB UART driver
   Windows will search for the proper driver, then wizard will display Completing the Found New Hardware Wizard
4. Click Finish
   Another Found New Hardware Wizard dialog will appear
5. Follow instructions to add your USB Serial Port driver
   Windows will search for the proper driver, then wizard will display Completing the Found New Hardware Wizard
6. Click Finish

Pairing with an Access Point

1. Be sure PowerLinc Modem is plugged in and powered (LED will blink when Set button is tapped)
2. On your PowerLinc Modem USB, tap the SET button four times rapidly
   PowerLinc Modem's LED will turn on green
3. Plug your Access Point into another outlet
4. Look at the Access Point's Status LED:
   - If it is bright and steadily on, go to step 5
   - If it is blinking or dim, repeat step 3, trying another outlet
   Note: You may need to try several outlets. If you are unable to locate an outlet please call 800-762-7846 for assistance.
5. Tap and release the SET button on the PowerLinc Modem, USB.
   The Status LED on PowerLinc Modem will turn off and Access Point's Status LED will go dim and remain steadily on

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INSTEON
COMPATIBLE

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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's 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.

#1626 FilterLinc™ Plug-In Filter

Specifications

General	
SmartLabs Product Number	2413U - PowerLinc Modem Module
Warranty:	2 years
Software:	Sold Separately
Operation	
Operation Modes	INSTEON only, X10 only, INSTEON and X10 Combo Mode
Interface	USB
Connector Type	Standard B-Type
Features	
INSTEON Addresses	1 hard-coded out of 16,777,216
INSTEON Links	2,016 out of 16,777,216 possible
INSTEON Device Category	0x03 (Network Bridges)
INSTEON Device Sub-Category	0x15
INSTEON Powerline Freequency	131.65 kHz
Minimum Transmit Level	3.2 Vpp into 5 Ohms
Minimum Receive Level	20 mVpp nominal
INSTEON Messages Repeated	Yes
X10 Powerline Frequency	121 kHz
X10 Messages Repeated	No
Mechanical	
Operating Conditions	Indoors, 40 to 132 F, up to 85% relative humidity
Physical	3.9" H x 2.6" W x 1.5" D x 9.6 oz
Electrical	
Supply Voltage	120 Volts AC +/- 10%, 60 Hertz, single phase
Certification	Safety tested for use in USA and Canada (ETL #3017581)

FCC Compliance Statement

This device complies with FCC Rules Part 15. Operation is subject to two 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.