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(949) 429-3303
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Quick Start Guide - ZBPLM™ Home Automation Interface



ZigBee
Certified product



Now with external antenna* for increased range (not shown)

* Serial version only

Product Brief

ZBPLM is a multi-protocol interface that allows communication from a computer or any device to control and monitor ZigBee, INSTEON and X10 home automation devices.

The ZBPLM also enables the setup and interoperability between ZigBee Home Automation (HA) devices without the requirement of a computer.

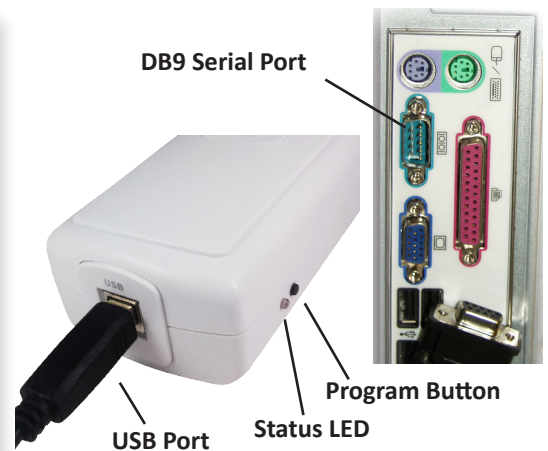
With the seamless integration of these three leading home and building automation protocols, the limitations of what you can accomplish start to disappear!

Installation

Note: ZBPLM must be installed indoors

1. Connect ZBPLM to Computer or Gateway
 - Using cable provided (RJ-45 to DB9 or USB), connect ZBPLM to computer/gateway. (If USB version, connect USB cable **after** completing step 3 below)
2. Connect external antenna and point upwards *
3. Connect ZBPLM to 120V AC power
 - Press and hold the Program Button while plugging into power to ensure ZBPLM is **reset to factory defaults**.
 - After a couple seconds, the LED will begin to blink, indicating that ZBPLM is reset.

* Serial version only



Interface Setup

1. Using with Serial API:
 - This method is typically for developers. ZBPLM implements the Smartenit Serial API, which is documented here: http://docs.smartnit.com/software/zbpcid_api.pdf
2. Using with Smartenit Gateways/Hubs:
 - Follow installation process mentioned above and then attach the other end of USB cable to Gateway/Hub
3. Using with IoT8-Z as an Insteon bridge. Follow steps below and then refer to the IoT8-Z quick start guide
 - Factory reset ZBPLM: Press button while reconnecting to power and continue to hold button for 4 secs
 - Start Network: Tap the set button 11 times in quick succession. LED should stop blinking and stay solid.
 - Discover zigbee device: Press and hold the Set button for 7 secs, LED should start to blink slowly



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Addition Information

RJ-45 Connector Specifications



ZBPLM
Connector

- Pin 1 - RS-232 to PC Pin 2 (Rx)
- Pin 2 - Unregulated +12VDC Output, Maximum 300mA
- Pin 3 - Not Used
- Pin 4 - Ground
- Pin 5 - Not Used
- Pin 6 - Not Used
- Pin 7 - Ground
- Pin 8 - RS-232 from PC Pin 3 (Tx)

RS-232 Serial Communications

- 115,200 Baud
- 8 data bits
- No parity
- 1 stop bit

ID Numbers

The INSTEON ID for your ZBPLM is located on the back of the unit. It will be six digits long separated by periods.
(Example - 05.BE.2F)

The MAC ID for your ZBPLM is also located on the back of the unit. It will be 16 digits long.
(Example - 00158D00000E682A)

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