



# BoostercLinc™

Real-time PLC/X10 signal booster in a simple plug-in device

For model:  
#4827

BoostercLinc

Patent Pending

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MAKING LIFE MORE CONVENIENT. SAFE AND FUN

# Congratulations !

Thanks for purchasing the world's first plug-in signal booster for X10 and PLC signals. BoosterLinc™ is designed to provide a boost for PLC (power line carrier) signals.

## Key Features

- Simple plug-in operation
- Support for multiple BoosterLinc Signal Boosters in a home
- Diagnostic LED
- Narrow frequency band amplification prevents false triggering of PLC receivers
- Supports 3-phase electrical systems (converts split-single signals into 3-phase signals)
- Fully compatible with PLC Bright & Dim commands
- Diagnostic test generator
- Disables boosting if electrical noise is detected
- Pass-through 15-amp outlet for other 120-volt device

## Installing BoosterLinc

To use BoosterLinc, simply plug it into an unswitched electrical outlet. *You may need to try several outlets in order to find the one that successfully fixes your signal strength problems.* To improve the strength of the entire home with a single BoosterLinc, try plugging it into circuits that have only one outlet. The outlets for the washer/dryer (120-volt), furnace, and refrigerator are ideal outlets to try. For solving a problem localized to a specific circuit, plug the BoosterLinc into an outlet in the middle of the run.

## Operation

Your new BoosterLinc is ready for the challenge of improving the PLC signal strength in any home, apartment, or industrial application. It is designed to be plugged into any unswitched 3-prong North American 120-volt AC socket.

The LED will indicate the status of BoosterLinc:

On Steady	BoosterLinc is on and ready to boost PLC signals
Fast Blink	BoosterLinc is detecting and boosting PLC signals
Intermittent Blink	BoosterLinc is detecting noise on the line and has disabled boosting. Amplification will resume instantly once the noise has ceased.

## Selecting the Signal Test Generator Mode

BoosterLinc can operate in two different modes: normal boosting or signal generation test mode. In the signal generation test mode, the BoosterLinc will send P1-ON and P1-OFF continuously. When receivers are set to receive P-1, you'll be able to continuously test modules (during the test) for proper PLC/X10 reception. Use this mode to troubleshoot your home automation system. To switch modes, press and hold the set button for six seconds and release.

## Using BoosterLinc with 3-Phase Electricity

BoosterLinc is compatible with 3-phase electricity found in some apartments and businesses. The booster detects signals from single-phase transmitters, and then re-transmits the signal to all three phases. This makes BoosterLinc ideal for apartments, condos, and businesses that use single-phase transmitters. While just plugging in a BoosterLinc will produce dramatic results, to insure excellent signal strength, we recommend a phase coupler like SignalLinc.

## Factory Reset (to default settings)

Should the BoosterLinc begin operating strangely or not at all, the Factory Reset procedure can be used to reset all the variables to default settings.

1. Unplug the BoosterLinc from the receptacle for about 10 seconds.
2. While holding down the set button on the lower right-hand side, plug it back in.
3. After plugging the module back in, continue to hold down the set button for about 2 or 3 more seconds.
4. Release the set button. A few seconds later, the BoosterLinc is ready for use.

## A few recommendations:

- In general, we recommend installing one BoosterLinc per 1,000 square feet of living area.
- BoosterLinc works best when installed in a location where the signals are weak but not totally gone. If a Smarthome Design receiver won't respond to the signals in a certain outlet, BoosterLinc won't be able to detect the signals either.
- While BoosterLinc works well in homes that don't have a phase coupler (sometimes called a signal bridge), it works better when one is installed. We recommend a SignalLinc™ Plug-In Phase Coupler or Hardwired SignalLinc Phase Coupler.
- For homes with widespread signal strength problems, plug the BoosterLinc into the outlet closest to the electrical panel. When combined with a passive phase coupler, the two units will effectively become the equal of a coupler-repeater (sometimes called an amplifier) without the delays and bright/dim issues.
- Plug BoosterLinc into an outlet without other PLC transmitters, computers, or televisions. When two transmitters, are plugged into the same outlet, the signal strength sent from each unit can be reduced by up to 40%.
- Plugging a PLC transmitter directly into BoosterLinc will not (in most cases) significantly increase the transmitter's signal strength.
- It is unlikely that more than one BoosterLinc plugged into outlets serviced by the same circuit breaker will be required.
- Every home is different, so a little trial and error in the placement of the BoosterLinc is required to determine the best location in your home.



## Specifications

- Input power: 120 VAC, 60 Hz
- Recommended number of Boosters: 1 per 1000 square feet of living space
- Minimum PLC receive level: 22mV
- Mounting: North American 3-pin 120-volt, 15-amp outlet
- Status indicator: Green LED
- Interface jack: For future applications
- Operating temperature range: 400 F to 1040 F
- Dimensions: 2.47" w, 4.26" h, 1.50" d (when plugged in)
- Weight: 7.3 oz
- Safety tested for use in the U.S. and Canada

About BoosterLinc Signal Booster's Certification  
BoosterLinc has been thoroughly tested by ITS ETL SEMKO, a nationally recognized independent third-party testing laboratory. Products bearing North American ETL Listed mark signifies that the product has been tested to and has met the requirements of a widely recognized consensus of U.S. and Canadian product 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.



## Smarthome Limited Warranty

Smarthome 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, Smarthome 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 Smarthome's liability with respect to this product.

For repair or replacement during the warranty period, call Smarthome customer service to receive an RA# (return authorization number), properly package the product (with the RA# clearly printed on the outside of the package) and send the product, along with all other required materials, to:

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

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