POWERLINK

Powerlink

IEEE 802.11 b/g/n 2.4GHz Wireless Signal Booster

Quick Installation Guide

Part# : PL-2301A

Model Name : Amplus

POWERLINK

Overview:

This device can add strength of the radio signal to increase the effective range and the coverage area for Wi-Fi communication. Simply remove the AP/Router RP-SMA antenna and plug it into the booster female RP-SMA connector. This may even penetrate complex environments with many walls and obstacles. The benefit for the Amplifier is to save the wiring costs and easy to build wireless infrastructure for home and business.

Package contents:
- Indoor Wireless Amplifier Unit
- 30cm RG316 cable
- Quick Installation Guide
- Power Supply
- 5dBi Antenna
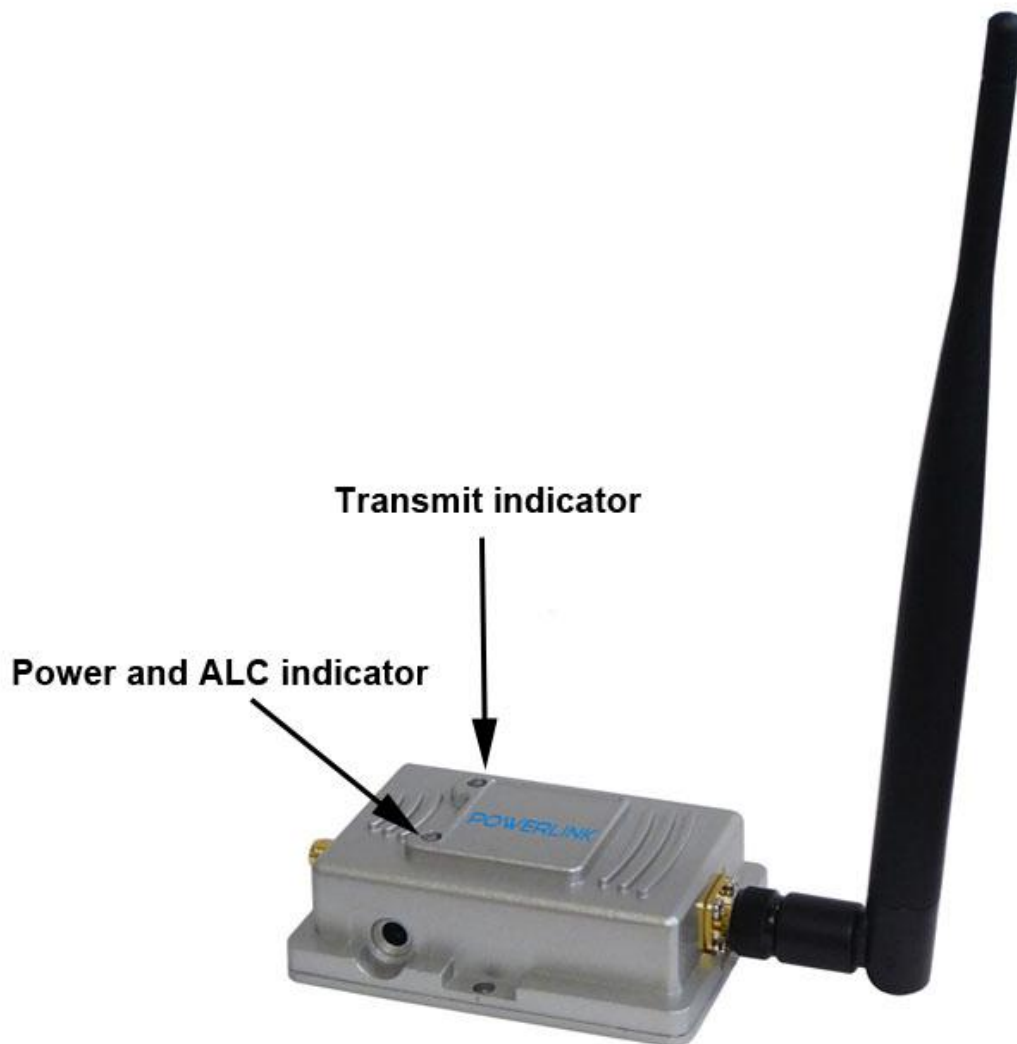- SMA to TNC Adapter (SMA-Male to TNC-Female)

Specifications:

Operating Range	2400-2500MHz
Operating Mode	Bi-directional, hale-duplex, time division duplex senses RF carrier from transmitter and automatically switch receiving to transmitting mode
Connector Type	SMA Receptacle(50 ohm) or TNC
Input power	8~17dBm (Warning: Input power more than 17dBm that power amplifier may breakdown)
Transmit Gain	10-16dB
Output power	1.0W Max
Receiver Gain	≤14dBm
Noise Figure	3.5dB
Frequency Response	±1dB over operating range
Power Adapter	5-6V 1A /DC 105-240V for AC adapter
Operating Temp.	-20 to +70°C
Operating Humidity	Up to 95% relative humidity
Material	Cast Aluminum
ALC Control Limit	30dBm
Transmit indicator LED	Green: downlink active Red: uplink active Green and Red flash: downlink and uplink both are working*
Power and ALC indicator LED	Green on: ALC inactive

POWERLINK

	Green flash: ALC active (warning)** Red on: Power is working normally Red off: No power or device not working
Booster Dimension	8.5cm(L)*5.6cm(W)*2.6cm(H)
Package	22cm(L)*15cm(W)*4cm(H)

* When Transmit indicator LED "Green and Red are flashing", it means the device is working properly.

**When Power and ALC (Auto Limit Control) indicator LED is "flashing Green", it is a warning sign for over loading. it might cause overheat and damage of the device. Please disconnect the device such as Router or AP.
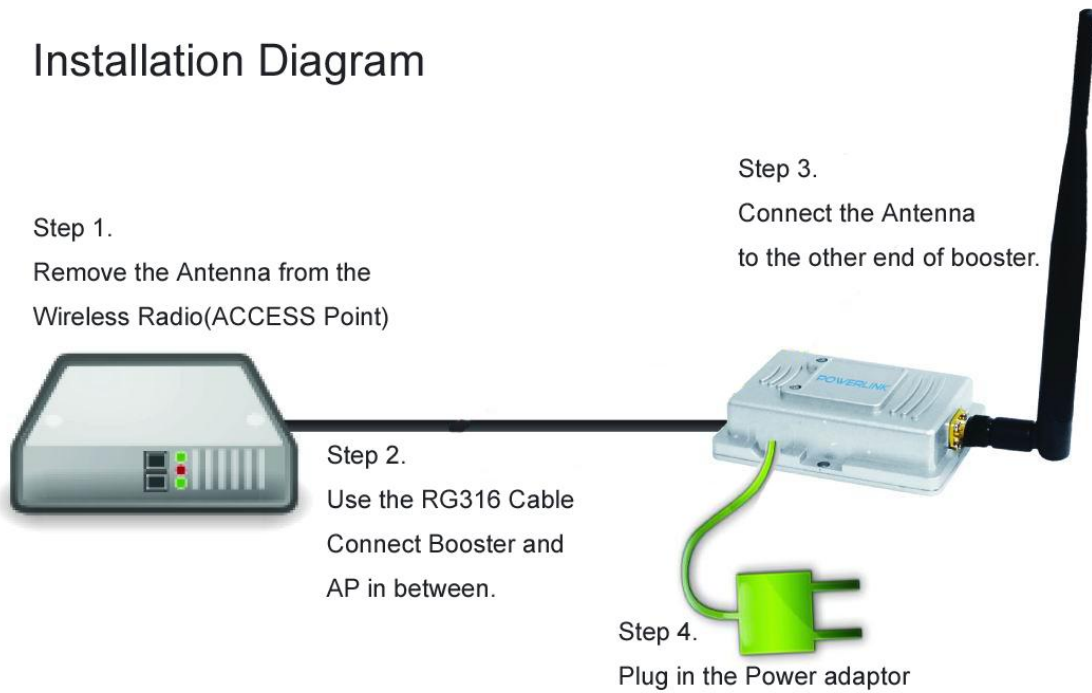
Transmit indicator

Power and ALC indicator

POWERLINK

Installation procedures:
   Please follow the steps 1~4 to install the device. When disconnect, please unplug the power adapter first.

Installation Diagram

Step 3.
Connect the Antenna
to the other end of booster.

Step 1.
Remove the Antenna from the
Wireless Radio(ACCESS Point)

Step 2.
Use the RG316 Cable
Connect Booster and
AP in between.

Step 4.
Plug in the Power adaptor

POWERLINK

For questions, please visit our website www.premiertek.com

Ver. 0712