Wireless Signal Booster

Quick Installation Guide

Rev.2.0

IEEE 802.11 b/g 2.4 GHz Outdoor Signal Booster

This device can add strength of the radio signal to increase the effective range and coverage area for Wi-Fi communication. The outdoor unit can increase wireless signal range by providing transmit gain as well as low noise receives gain of the indoor WLAN AP device.
The benefit for signal booster can save lots of wiring costs and easy to build wireless infrastructure for home or business use.
With a solid aluminum construction the outdoor unit amplifies the signal of any 802.11b/g device for up to 30dBm (1Watt) in power. Some more high power models are available

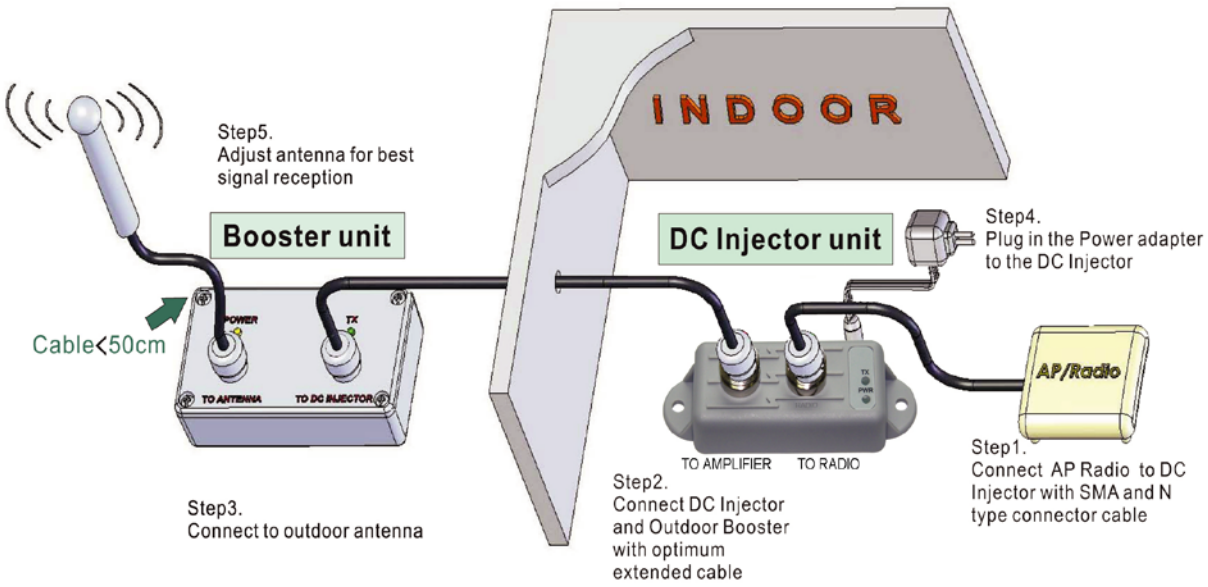
Package contents

Outdoor Wireless Amplifier Unit
DC Injector Unit
Mounting Kit
Power Adaptor
Quick Installation Guide

Specification

Operating Range	2400~2500 MHz
Operating Mode	Bi-directional, half-duplex, auto-switching via carrier sensing
Connector Type	N-type, female (50 ohm)
Transmit Gain	18 ~ 24 dB
Tx Input Power	0 ~20 dBm
Output Power	2W(33dBm) / 4W(36dBm)
Receiver Gain	15 dB
Noise Figure	3.5dB
Frequency Response	± 1 dB over operating range
Power Adaptor	7~9V /DC 110/220V /AC auto switching AC Adapter for DC Injector
Operating Temp.	-20 to +70℃
Operating Humidity	Up to 95% relative humidity
Material	Cast Aluminum
Lightning Protection	Direct DC ground at antenna connector
DC Surge Protection	At DC input from transmission cable
Outdoor Unit (cm)	11.5cm(L) x 6.5cm(W) x 4.8cm(H)
DC Injector (cm)	10.2cm(L) x 3.6cm(W) x 2.6cm(H)
Weight	345g (Booster) / 96g (DC Injector)
Package Weight	1100g

Installation Diagram



Step 1: Connect AP Radio to DC injector with male RP-SAM to male N type cable.

Step 2: Connect Dc Injector and Outdoor Booster Unit with optimum length extend cable.

Step 3: Connect the extend cable to N type Jack of the Outdoor Booster Unit.

Step 4: Plug in the power adapter to the DC Injector Unit.

Step 5: Adjust antenna for best signal reception.