

# Outdoor Auto-Gain Booster --- User Manual

Congratulations on your purchase of the booster for 802.11b or 802.11g/b network product.

This device is increase the effective range and coverage area of the 802.11b or 11g/b network. The added signal strength also offers Point to Multi-point connection.

This unit comes with an easy plug-and-plug installation, which works together an indoor Wireless Access Point to extend the maximum range and performance.

The outdoor booster increase range by providing transmit gain as well as low-noise receive gain. This receive gain increase the receive sensitivity of WLAN Access Point.

## Package includes

- Outdoor Booster\*1
- Quickly Installation Guide\*1
- DC Injector\*1
- Mounting Tool Bag\*1
- DC Adapter\*1
- SMA(male) to N-type(female) jack\*1
- SMA(male-reverse) to N-type(female) jack\*1
- N-type(male) to N-type(male) connector\*1
- RG 316 cable\*1

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## Features

- Die Casting Aluminium
- Lightning Protection
- TX LED power LED
- Stronger signal improves throughput by reducing retransmissions
- One Year Limited Warranty

## General Specification

### Electrical Specification

|                      |                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------|
| Operating Range      | 2400~2500GHz                                                                                                               |
| Operation Mode       | Bi-Directional, half duplex, TDD sense RF carrier from transmitter<br>and automatically switches receive to transmit mode. |
| Connector            | N-type female, 50 ohm                                                                                                      |
| Lightning Protection | Direct DC ground & DC black on amplify output                                                                              |
| DC Surge Protection  | at 5VDC input from transmission cable                                                                                      |
| Frequency Response   | +/- 1dB over operating range                                                                                               |
| Output Power         | see the package                                                                                                            |
| Transmit Gain        | Auto Gain Control (AGC)                                                                                                    |
| Receive Gain         | 15dBm for 802.11b product<br>18dBm for 802.11g/b product                                                                   |
| Receive Noise Figure | 3.5dBm nominal                                                                                                             |
| Weatherproof         | 100%                                                                                                                       |

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### Mechanical Specification

|                               |                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------|
| Operating Temperature         | -20 to +70                                                                                            |
| Operating Humidity            | up to 100% relative humidity                                                                          |
| Power Adapter                 | 1A/5V DC, 100-240V AC power supply                                                                    |
| Output Power Optional product | 100mW/200mW/0.5W/1W/2W/3W/4W each for 802.11b product<br>100mW/200mW/500mW each for 802.11g/b product |

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### Overall Dimension

|             |                              |
|-------------|------------------------------|
| Booster     | 11.5(L) x 6.5(W) x 4.8(H) cm |
| DC Injector | 7.8(L) x 5.6(W) x 2.9(H) cm  |

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### Weight

|               |                  |
|---------------|------------------|
| Booster       | < 350g           |
| DC Adapter    | < 200g           |
| LED indicator | TX LED power LED |

Photo

