

## SmartAmp 5.8GHz, 3W Outdoor

**Item # 12-503**

SmartAmp™ is designed for extending the range of ISM Band of 900MHz, 2.4 GHz and 5.8GHz wireless radio devices, It support IEEE 802.11b/g/n or 802.11a/n radio. The SmartAmp™ is Bi-directional, in TDD Time Division duplex operation mode, provides the transmit power amplification as well as receive signal gain. Completely weatherproof housing for outdoor application, the unit is using DC Injector for power over the coax for outdoor use.

This RF amplifier is "Plug & Play" delivers the maximum output power at various input levels while keeping the distortion at a minimum.



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### Technical Specifications

Features	3Watt Outdoor
Operating Range	5.100-5.875GHz
Operating Mode	Bidirectional, TDD, Half-duplex, 802.11a/n, OFDM
Transmit Gain	20dB typical
Frequency Response	± 1 dB
Output Power	3Watt (+35dBm)
TX Input Power	2-4 dBm min / 20dBm Max
Receiver Gain	10-14dB, 12dB typical
Noise Figure	≤3.5dB typical
LED Indicators	Red: Solid on: Power and Receiving Mode; Off: NO Power
	Orang: Transmitting
Connector	N-type, female, 50 Ohm
Lightning Protection	Direct DC ground at antenna
DC Surge Protection	Available
Power Consumption	12v2A
Operating Temperature	-20 °C to + 70 °C
Amp Dimensions:	4.25" L x 3.25" W x 1.75" H
Weight	Amplifier 0.85Lb/ Package 1.8Lb

### FCC NOTICE

The use of all radio equipment is subject to radio regulations in each country. It is the responsibility of the purchaser/installer/operator to insure that only approved equipment/systems are deployed. For the ISM band (900MHz, 2.4GHz, 5.7GHz) equipment manufactured, sold/or used in the USA, FCC Title 47, Part 15 governs the sale, lease, use and manufacture of equipment (wireless LAN cards, wireless Access points, amplifiers, etc.) and prohibits the same unless such equipment is used in the FCC-certified system configuration with which such equipment is authorized.