



# SmartAmp 1 Watt Outdoor

## 2.4 GHz

### Advantages:

Designed for extending the range of 2.4 GHz wireless radio devices, the Smart-Amp is particularly effective when used with Direct Sequence or Frequency Hopping Spread Spectrum radio modems. The unit provides the transmit power amplification as well as receive signal gain.

The built-in dynamic power sensor in SmartAmps adjusts the Radio Frequency (RF) power output level by reading the input signal power. This auto gain adjustment delivers the maximum output power at various input levels while keeping the distortion at a minimum.

***Ideal for increasing the range of low power radio devices  
and to compensate for cable loss in certain installations.***



Item# 12-206

### Technical Specifications

Features:	1 Watt Outdoor
Operating Range:	2400-2500 MHz
Operating Mode:	Bi-directional, TDD
Transmit Gain*:	up to 24dB
Frequency Response:	$\pm 1$ dB
Output Power:	1 Watt (+30dBm)
TX Input Power:	0 dBm min 23 dBm max
Receiver Gain:	16 dB typical

Noise Figure:	3.5 dB typical
LED Indicators:	RED: Solid On: Power & Receiving Mode OFF: No Power GREEN/ORANGE: Blinking: Transmitting
Connectors:	N-type, Female, 50 Ohm
Lightning Protection:	Quarter Wave Tech.
DC Surge Protection:	Available
Power Consumption:	Tx = 1.2 A, Rx = 130 mA @ 9V DC
Operating Temperature:	-40 °C to + 70 °C
Dimensions:	4.25" L x 3.25" W x 1.75" H