



SmartAmp™ Bi-Directional 500mW Indoor 2.4GHz

Designed for extending the range of 2.4 GHz wireless radio devices, the SmartAmp™ 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 SmartAmp™ adjusts the Radio Frequency (RF) power output level by reading the input signal power. This Automatic Gain Control (AGC) Technology, Teletronics' patented technology effectively making the RF amplifiers "Plug & Play" 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# 12-212

Technical Specifications

Features:	500mWatt Indoor
Operating Range:	2400 - 2500 MHz
Operating Mode:	Bi-Directional, TDD
Transmit Gain:	up to 22 dB
Frequency Response:	+/- 1 dB
Output Power:	500mWatt (+27 dBm)
TX Input Power:	3dBm (2mW) min, 23dBm (200mW) max
Receiver Gain:	12dB typical
Noise Figure:	3.5dB typical
LED Indicators:	RED: Solid On: Power and Receiving mode/ Off: No Power GREEN/ORANGE: Blinking: Transmitting
Connectors:	Tx = 1.2A, Rx = 130 mA @ 9VDC4
Lightning Protection:	Quarter Wave Technology
DC Surge Protection:	Available
Power Consumption:	Tx = 600 mA, Rx = 80 mA @ 7.5V DC
Operating Temperature:	-40°C to + 70°C
Dimensions:	3" L x 3" W x 1.0" H

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.