



5.8GHz Bi-directional 802.11a 5 Watt Amplifier

This 5.8GHz bi-directional amplifier is designed for 802.11a radios or any OFDM radios in 5GHz band. Since the 16 QAM modulation requires highly linear mode operation, this amplifier delivers max of 1Watt power with all 802.11a or similar radio equipment.

For FM, AM or other modulation schemes, this unit delivers up to 5 Watt output. Housed in a weatherproof enclosure, the amplifier works at a temperature range of -40 thru 70 deg centigrade.

Set includes: Outdoor amplifier, DC injector, and Universal power supply (110~240VAC to 12 VDC)

Powered over coax with DC injector.

TECHNICAL SPECIFICATIONS

Operating range	5725 - 5875 MHz
Operating Mode	TDD, Time Division Duplex
Transmit Power	30dB, 1 Watt @ 13dB input (802.11a radios) 37dB max at @ 20dB input (non-OFDM radios)
Transmit Gain	17dBm max
Transmit Input Power	0dBm min 13 dBm max (802.11a radios) 25dB max (non-OFDM radios)
Receive Gain	15 dB
Noise Figure	3.5 dB
LED Indicators	RED for Receive (Default Mode) GREEN for Transmit
Power Consumption	200mA Rx, 1600mA Tx @ 12VDC
Operating Temperature	-40 °C to 70 °C

MECHANICAL SPECIFICATIONS

Dimension	4.5" x 4.85" x 1.0" (114.4mm x 123.2mm)
Enclosure	Watertight, machined aluminum housing with Anodized finish
Connectors	Type N Female
	1 lb, 7 Oz. (640g)