

Power Amplifiers

72, 150, 450 & 900 MHz



Features

- Analog & Digital Capability
- 100% Solid State Continuous Duty
- Rack Mount Modular Design
- Low, Medium & High Power
- Small Footprint Slim-Line Construction
- HEAT TRAP™ Thermal Control
- Easy-to-Remove Covers
- Full Base Station Board Plug-In Option
- Paging & SMR System Compatibility
- Compatible With Most Existing Equipment
- Satellite Receiver Interface Available
- Full Front Panel Metering & Display



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The E-RF Wireless high-, medium- and low-power Base Station, Link Transmitter and SMR power amplifiers are designed to operate with any FCC-type accepted exciter or may be combined with the E-RF Wireless optional plug-in control boards and exciter to provide a complete Base Station, Link Transmitter or SMR application in the same package as the power amplifier.

All E-RF Wireless power amplifiers above 100 watts come equipped with the E-RF Wireless HEAT TRAP™ design to provide the user with long-life, high-reliability performance even under the most extreme operating conditions. The small footprint of all E-RF Wireless power amplifiers allows easy interface in most existing cabinets or in the optional slim-line cabinet provided by E-RF Wireless.

With power and frequency options covering all of the many combinations of system requirements found in today's paging and SMR systems, E-RF Wireless can provide a complete line of RF products.

Lower power modules are available for both mobile and fixed applications in all of the frequency bands and all are equipped for stand-alone operation without any external cooling. The E-RF Wireless receiver, controller, phase delay and high-stability exciter plug-in options gives any E-RF Wireless power amplifier owner the ability to instantly convert their power amplifier into a simulcast quality complete Base Station or Link Transmitter.

The E-RF Wireless RF equipment has been engineered with your complete system requirements in mind.

Options

- 72 MHz Link Receiver
- 150 MHz Link Receiver
- 450 MHz Link Receiver
- 900 MHz Link Receiver
- Transmitter Controller Format Plug-In Control Boards
- LINK 20X format with L20RX Controller
- Other popular control formats with Controllers
- Analog & Digital Phase Delay
- High-Stability Exciter
- Ultra-High-Stability Exciter
- 72, 150, 450 or 900 MHz Transmit Frequency
- Dual-Tier Link Control Option
- Remote Diagnostics Option
- High-Capacity Power Supply
- Customized System Interfaces

Specifications

Frequency Range	72, 150, 450 & 900 MHz
Power Input	80mw–2W (with pre-amp)
RF Input & Output Impedance	50 ohms (Type N Female)
Frequency Stability	Same as Exciter (Source)
Spurious Harmonic Emission	-80 dBC (Amplifier)
Formats	All Paging Formats
Primary Power	22-28 VDC Above 100W Models 12-15 VDC Below 100W (Most Models)
Power Consumption	1,000W maximum
Dimensions (WxHxD)	19"x10.5"x8" >100W 19"x7"x7" <100W
Weight	27 Lbs. >100W (Typical) 18 Lbs. <100W (Typical)
Operating Temperature	-30° C to +60° C

Equipment specifications and features subject to change without notice.

Some E-RF Wireless technology is licensed from Eagle Wireless International.



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