

AR Competitive Edge.

At AR, there's no substitute for quality. It's the foundation of our business and the AR value that's recognized around the globe. It's one of the key reasons AR has become the worldwide leader in EMC, Wireless and beyond.

AR products do more, last longer, work harder and make your job easier. And that gives you a fierce competitive edge. Only AR delivers innovative technology, advanced design, quality build & workmanship, mismatch capability, durability & longevity, less cost watt for watt, and a worldwide support network that's here for you today and tomorrow.

With the combined resources of all the AR companies, we simply have more of the best people making the best products to overcome your toughest challenges.

ar modular rf

- RF Amplifiers and Modules
- Broadband and Sub-band Solid State RF Amplifiers
- Booster Amplifiers for Tactical Military Radios

ar rf/microwave instrumentation

- RF Amplifiers 1 to 10,000 Watts, dc to 1 GHz
- Microwave Amplifiers 1 to 16,000 Watts, 0.8 to 45 GHz
- Antennas 1 to 15,000 Watts, 10 kHz to 50 GHz
- Transient Generators
- Pre-Compliance Test Systems
- Accessories and Software

ar receiver systems

A line of products for EMC Testing including:

- EMI Receivers
- Impulse Generators and Measurement Systems
- Leak Detectors

AR Receiver Systems products can be purchased through AR RF/Microwave Instrumentation

ar Europe

- Offering a complete line of RF Products and testing solutions for the European Market

Want to know more about AR? Need help with any RF solutions or testing procedures?

Here's how to reach AR and get all the help you need:

www.ar-worldwide.com

ar modular rf

11807 North Creek Parkway South, Suite 109,
Bothell, Washington 98011 USA
Tel 425-485-9000 • Fax 425-486-9657

ar rf/microwave instrumentation

160 School House Road,
Souderton, PA 18964-9990 USA
Tel 215-723-8181

For receiver systems, contact:

ar receiver systems
Tel 800-933-8181

ar Global Promise

The AR warranty is more than just a warranty, it's a promise, backed by a knowledgeable support team that's always there for you to help solve any problems and answer any questions, today and tomorrow. AR warrants its amplifiers (all parts excluding traveling wave and vacuum tubes), antennas, pre-compliance test systems, transient generators, power meters, field monitoring equipment, conducted immunity generators, signal generators, couplers and tripods to be free of defects in materials and workmanship for a period of three years from date of shipment. Traveling wave tubes on the following amplifier models 200T1G3A, 200T2G8A, 200T8G18A, 250T1G3, 250T8G18 carry a two-year warranty. Vacuum tubes on our "L" series amplifiers and other traveling-wave tubes as well as powerheads carry a one-year warranty.

AR Modular RF amplifiers and modules play a critical role in countless applications—from innovative medical equipment to this high frequency radar system for ocean current and wave monitoring.

AR Modular RF has the unique ability to provide cost-effective solutions that meet the most demanding specifications. Our work with CODAR Ocean Sensors is a perfect example. AR provides amplifier modules that meet the power/frequency/size specs needed for CODAR's SeaSonde® HF radar system. The SeaSonde is at the forefront of precision ocean current measurement, and is the only commercially available high frequency radar system with a proven track record.

The Power Of Infinite Solutions

- Broadband solid-state RF amplifier systems
0.1 - 6,000 MHz / 5 - 5,000 Watts

- RF Modules – broadband,
narrowband & custom designs
0.1 - 6,000 MHz / 5 - 5,000 Watts

- Military amplifier systems & accessories.
Communications Booster amplifiers for tactical military
radios from 30 - 512 MHz & Jammer system amplifiers

The most durable, dependable, innovative RF amplifier modules and systems in the world

AR Modular RF is recognized worldwide as a leading supplier of amplifier systems and RF amplifier modules. We're known for innovative technology, unsurpassed quality & dependability, and for an international support and service network that is second to none.

With output powers from 5 – 5,000 watts and spanning frequencies from 0.01 – 6,000 MHz, the systems and modules we create are used for military communications, electronic warfare & electronic countermeasures, homeland security, and a variety of medical/scientific/industrial applications.

Perhaps most important, AR Modular RF helps customers find the best solutions to their most demanding requirements by offering customer-specific designs and semi-custom modifications to our existing line of products.

RF Amplifier Systems

Some of the features that make our RF amplifiers perform so well include:

- Fast rise and fall times
- Phase and amplitude stability
- Extremely low noise floor
- Unconditional stability
- Infinite VSWR protection
- High-speed gating
- Temperature compensation

Rack-mounted and tabletop models available from 0.1 – 6,000 MHz / 5 – 5,000 watts

RF Modules

- Cover 0.01 – 6,000 MHz
- Provide outputs from 5 – 500 watts
- Complete palette of designs available
- We have the ability to tweak the modules to deliver more power, differing pulse widths, duty cycles or a variety of specialized features
- Our modules cover a wide range of communication frequencies, from LF to SHF microwave bands. Legacy communication designs are also available.

Military Battle-Tested...Built To Last

We are a leading supplier of military amplifier systems and accessories, providing booster amplifiers and embeddable modules for tactical military radios covering the HF, VHF, and UHF bands, as well as the popular 30 – 512 MHz frequency range.

We also make amplifiers specifically for electronic warfare, ECM/ECCM. They're available from 12 – 3,000 watts and are ideal for CW, pulse, over-the-horizon, foliage penetration, Doppler and Phased Array radar applications. RF Jammer amplifiers are available from 10 – 2,700 MHz for portable and vehicle-mounted systems from a few watts to hundreds of watts.

AR amplifier modules & systems have been on the front lines, in the toughest battle conditions, they're highly reliable.

They're not only tough & dependable, they're lightweight and easy to use. They're versatile. And they're ready for anything. Always.

- High-Efficiency Modules for Jamming applications / Electronic Warfare / ECM/ECCM / Improvised Explosive Devices
- Booster amplifiers for tactical military radios from 30 – 512 MHz (HF, VHF and UHF bands) – from 12 to 400 watts
- Man-Pack / Vehicle-Mount
- Self-Tuning / Multi-Band
- Ultra-Compact
- Exceed MIL-STD 810F
- JITC-certified amplifiers available
- Compatible with virtually every military transceiver

We'll help you find the best solutions to your most demanding requirements. Chances are, the basic components of the amplifier system you need are already right here in our inventory. Just choose the power and frequency you need from our extensive line of modules, give us the rest of your specs, and we'll provide a semi-custom system in a matter of weeks, not months. And you'll get it without the high cost of designing it from the ground up.