



Tactical Radio Products

***U.S. Government
Products***

*The most comprehensive
family of tactical radios,
available today.*

FALCON[®] II



Outperforming the Competition.



The FALCON® II software-defined radios provide a complete spectrum of ground-based military communications.



*The first **family** of **tactical** radio products.*

With the power of the FALCON II family behind you, anything can be achieved. Our FALCON II software-based radios address your mission's most critical communication requirements. Our FALCON II family delivers the critical information needed to plan and execute your mission on the digital battlefield.

The software-based design supports more features and capabilities than any radio of its kind. It also extends the life of the radio over time, allowing new capabilities to be added well into the future.

With embedded Type 1 encryption, extended frequency range, and advanced data capabilities, the U.S. Government-nomenclature members of the FALCON II family support a wide variety of military tactical operations.

Our FALCON II family of radios deliver data four-times faster than competitors' products using our advanced, high-speed modems with automatic voice/data detection and error-free transmission modes.



Common platform — **uncommon performance.**

Each member of the FALCON II family shares a common operation, appearance, and common accessories to enable proficient radio operation with minimal cross training for multiple radio types. What's more, Harris has engineered the FALCON II family to interoperate with a variety of other radios, allowing you to fully leverage your current investment.

By designing components that can be shared among the three radios, troubleshooting and repair is greatly simplified. The result: greater ease of use, enhanced mission performance, and reduced life-cycle costs.

Setting the **standard.**

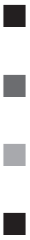
The compact and lightweight FALCON II radios deliver performance and capabilities never before available in tactical radios. The FALCON II system's data rates are the industry's highest. Automatic data rate adaption and optimized channel access protocols ensure that your message gets through, faster and farther.

Increased **flexibility**, decreased size.

The full-feature FALCON II radios provide extraordinary value by integrating more features into a small, common hardware package. Because it is software programmable, this system will remain easily upgradeable for years to come.

Worldwide **acceptance.**

The FALCON II family is known the world over. Many countries have standardized on the FALCON II system.



FALCON II: Engineered to get your message through.

Complete family of **multiband tactical** radios covering the **HF, VHF, & UHF** frequency bands • Designed for **manpack, vehicular, base station, and handheld** use • Common platform, common operation, common logistics • Software-based, front-panel **programmable** • **Lowest life-cycle costs**



| **AN/PRC-117F(C)** |

Harris' FALCON II AN/PRC-117F(C) is a multiband manpack radio with true multimission capabilities. It includes an NSA-certified, Type 1 security module that provides the secure voice and data needs for ground-ground, ground-air, and ground-satellite communications. The AN/PRC-117F(C) is in wide-spread use by U.S. and allied forces.

This lightweight manpack is a continuous coverage radio with VHF-high, VHF-low and UHF bands. The AN/PRC-117F(C) complies with SINCGARS, Havequick and UHF TACSAT standards. The fully programmable platform is software upgradeable with new features and waveforms to meet emerging mission requirements.

For TACSAT operation, the radio supports single-channel and Demand-Assigned Multiple-Access (DAMA) modes. Data rates up to 56 kbps are automatically selected on dedicated TACSAT channels using Harris' integrated High Performance Waveform (HPW). A 64 kbps waveform is also included to support high-speed, ground-to-ground communication.

| **AN/VRC-103(V)1** |

The AN/VRC-103(V)1 is the 50-watt amplifier and vehicular adapter for the AN/PRC-117F(C). Key features include: shock mounting for all components; diplexed antenna outputs for high-gain, band-specific antennas; and DC power filtering for supply noise and voltage spike suppression.





| AN/PRC-150(C) |

At Harris, we know that secure communications are key to mission success. That's why our FALCON II HF/VHF radio was designed to provide the highest levels of security and reliability for long-range, ground-tactical communications.

Part of the FALCON II family—a software-driven, fully-integrated communications system—the new AN/PRC-150(C) HF/VHF radio with NSA-certified Type 1 encryption is available in vehicular, base-station, and manpack configurations. When used in support of multinational operations, the AN/PRC-150(C) provides secure voice and data communications with forces using U.S. Type 1 COMSEC and with those who are communicating with Harris FALCON II radios equipped with Citadel® encryption.

Offering a fully-programmable platform, removable keypad/display unit, automatic link establishment (ALE) and a complete suite of high-performance voice and data waveforms, the FALCON II HF radio gets the message through, even under the most challenging communications and environmental conditions faced by the modern warfighter.



| AN/VRC-104(V)3 |

The AN/VRC-104(V)3 is the HF/VHF vehicular transceiver system using the AN/PRC-150(C). It provides high output power (150 watts in HF, 60 watts in VHF) for fixed-site and vehicular installations.

Key features include: built-in speaker; jerk-and-run mounting of the manpack radio; shock-mounting of all components; separate HF and VHF antenna outputs; and DC power filtering for supply noise and voltage spike suppression.



Countries worldwide *standardize* on FALCON II radios

Many NATO and Partnership for Peace countries have standardized on FALCON II radios — a move that has become increasingly important as countries modernize their communications capabilities for interoperability. Our international line of FALCON radios and accessories provide the necessary level of interoperability.



| RF-5800H |

An advanced HF-SSB/VHF-FM radio that provides long-range secure voice and data tactical communications. Its extended frequency range (up to 60 MHz) provides VHF capability in addition to HF capability. The radio's high-speed data rates (up to 9600 bps), embedded GPS and advanced waveforms provide improved communications reliability and simplified operation.



| RF-5800V |

An advanced VHF-FM radio (30 to 108 MHz) that provides reliable tactical communications through enhanced secure voice and data performance and networking. The radio's 64 kbps data rate, embedded GPS, and advanced waveforms provide expanded communications capabilities for the digital battlefield.



| RF-5800V-HH |

The RF-5800V-HH is the handheld companion to the RF-5800V VHF transceiver that extends the outstanding performance of the FALCON II tactical radio family to the squad level.



| RF-5800U |

An advanced VHF/UHF AM/FM radio (90 to 420 MHz) that provides military and civilian ground-to-air communications and interoperability with Land Mobile Radio (LMR) systems.



| RF-5800M |

The RF-5800M is the commercial version of the AN/PRC-117F(C). This VHF/UHF transceiver system provides ground-ground and ground-air communications using Citadel encryption and Quicklook ECCM waveforms.



| RF-6710W |

The RF-6710W Wireless Message Terminal connects the radio network to a wireless network, including the internet.



| RF-5710A |

The RF-5710A modem provides high-speed HF data capability for radios that are not equipped with an internal modem. It provides advanced waveform performance for data applications such as tactical messaging, email, and high-resolution image transmission.



Keep looking forward.

We've got your back.

Strategy. Planning. Mission Execution. Defense forces leave nothing to chance. And, neither does Harris. Our uniquely designed radios are field tested and proven to deliver in the most demanding combat conditions. When you buy Harris radios, you don't just buy a product. You buy a team. Our engineers, sales force, and customer support teams are second-to-none. For every move you make on the field, Harris is right behind you.



RF Communications

Government

Broadcast

Telecommunications



Communications solutions for today and beyond

Harris RF Communications Division is a leading supplier of secure voice and data communications products, systems, and networks to military, government, and commercial organizations worldwide.

Harris Corporation is an international communications equipment company focused on providing product, system, and service solutions for government and commercial customers. The company's five operating divisions serve markets for government, tactical radio, broadcast, microwave, and network support systems. Harris serves customers in more than 150 countries. Additional information about Harris Corporation is available at www.harris.com.



RF Communications Division | 1680 University Avenue | Rochester, NY USA 14610 | Telephone 585-244-5830
www.rfcomm.com | www.harris.com | 1-800-4-HARRIS ext. 3509