



assuredcommunications™

FALCON® II **AN/PRC-117F(C)**

*Multiband
Manpack Radio*



Soldier Tested. Combat Proven.



The AN/PRC-117F(C) provides secure voice and data transmission using U.S. Type 1 encryption.



*Harris FALCON II tactical radios. **Intuitive. Tough. Unstoppable.***

It's no coincidence that the soldiers who use them can be described the same way. They're the inspiration for our design.

Our software-defined radios are an extension of the soldiers who carry them into combat. Precise. Reliable. Dedicated. Everything that goes into FALCON II is meticulously engineered. But Harris knows the most advanced technology can fall short if it can't perform on the battlefield. That's why we've designed our radios with a rock-solid package. As a result, soldiers get secure voice and data capabilities with unparalleled performance, even in the harshest conditions.

For missions requiring reliable, interoperable communications, Harris has developed the FALCON II AN/PRC-117F(C), the most advanced multiband manpack radio in the world... period.



Designed to Succeed.

At the heart of every FALCON II radio is its software-based design. This open software architecture extends radio hardware life cycles and facilitates the insertion of new technology and capability through software upgrades. More than a dozen waveforms and major features have been added since FALCON II's introduction.

Usability was a key design objective from day one. The radio features a removable keypad/display unit allowing soldiers to fully control the radios even when the radios are buried in their rucksacks. Its intuitive interface was fine tuned by experienced operators.

Harris has embedded the encryption into the radio, eliminating the need for external crypto boxes. This embedded COMSEC provides secure voice and data communications.

AN/PRC-117F(C)

- Built-in **High Performance Waveform (HPW)** provides error-free file transfers up to five times faster than legacy systems for both SATCOM and Line-of-Sight (LOS) channels. The supplied Windows Messaging Terminal PC based software enables messaging on multi-user networks.
- Optional embedded software enables an **IP Data** capability to connect IP networks and streaming data applications over LOS and SATCOM links.
- Built-in **Situational Awareness** capabilities use the versatile GPS receiver interface to report precise time and position information.
- MIL standard waveforms assure **Interoperability**. SINCGARS ESIP and HaveQuick I/II frequency hopping for jam resistant LOS communications, 181B and DAMA for UHF SATCOM.
- **Type 1 Secure** communications with VINSON/ANDVT/KG-84/Fascinator
- **MELP technology**, the latest digital voice algorithm, gives improved voice recognition for SATCOM operation.
- **Rugged** tactical radio packaging ensures superior performance even in the most treacherous terrain.

Dependability in the Field

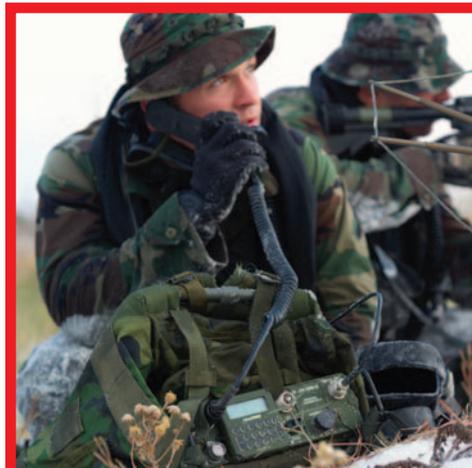
Thousands of AN/PRC-117F(C) radios have been delivered to U.S. and Allied forces since their introduction in 1999. They are deployed worldwide and are combat proven in Operations Enduring and Iraqi Freedom.

Users of the AN/PRC-117F(C) include:

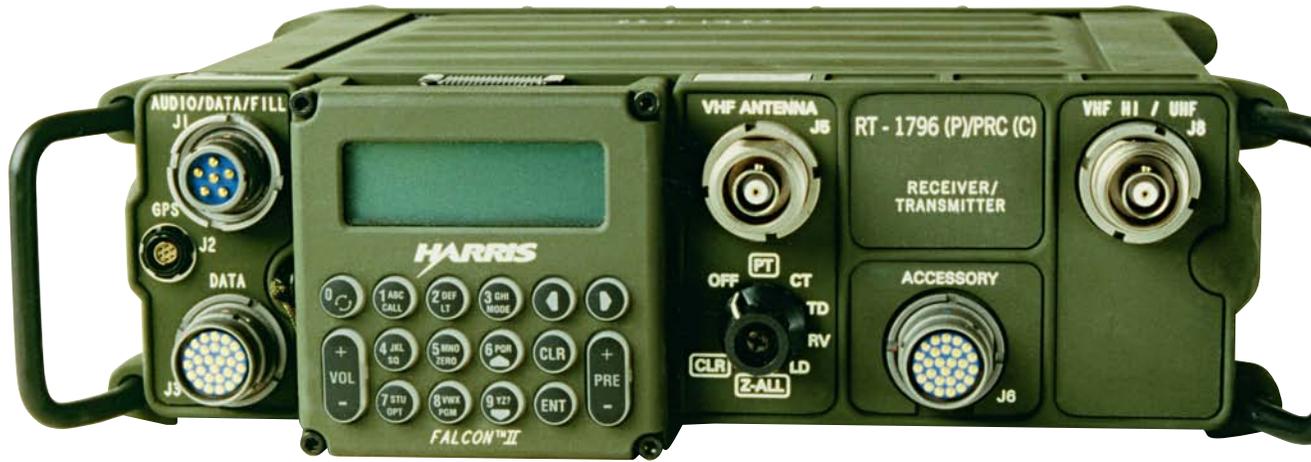
- **USSOCOM**
- **U.S. Air Force**
- **U.S. Navy and Marine Corp**
- **U.S. Army**
- **NATO**

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 meet the most exacting 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 team are second-to-none. For every move you make on the field, Harris is right behind you.



Constantly Redefining State of the Art



*The result of 25 years
of tactical technology leadership and innovation*

Embedded COMSEC

Secure Type 1 encryption for voice and data.

Programmable hardware platform

Supports high-performance waveforms, today and tomorrow.

Advanced SATCOM waveforms

SATCOM HPW messaging with (optional) IP data, JITC certified 181B up to 56 kbps and 182A/183A DAMA.

High-speed LOS data

LOS HPW messaging with (optional) IP data and 48/64 kbps data modems.

Removable keypad display unit

Provides radio control for operations on the move.

Crypto ignition key

Embedded in the removable keypad, secures unattended radios.

Intuitive Man-Machine Interface (MMI)

Programmable system presets for "one-button" operation.

Superior Range Performance

Separate VHF and VHF/UHF antennas.

ECCM

SINCGARS ESIP and HaveQuick I/II.

Multiband Scan

Monitor multiple nets



RF Communications

Government

Broadcast

Microwave



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 technology company focused on providing assured communications™ products, systems and services for government and commercial customers. The company's operating divisions serve markets for government communications, tactical radio, broadcast, and microwave systems. Harris provides systems and service to customers in more than 150 countries. Additional information about Harris Corporation is available at www.harris.com.