

AN/PRC-154A Rifleman Radio

Communicate with both Classified and Unclassified Networks



Secret or Sensitive-but-Unclassified communication for leaders or squad members in a single Non-Cryptographic Controlled Item (non-CCI) radio

Outfits the platoon with one single radio to reduce the logistics tail

Enhances situational awareness on the battlefield with On-The-Move self-forming networks

A Single Radio for the Entire Platoon

The AN/PRC-154A Rifleman Radio is designed to be carried by leaders needing secret access to platoon, company or other systems operating on the same network. The radio can be used by any squad member on the battlefield, regardless of security clearance. The non-CCI radio can either be keyed Secret to allow leaders to send and receive information or Sensitive-but-Unclassified to connect leaders to their uncleared squad members, and the squad members to each other.

One single radio that supports both classified and unclassified information enables leaders to carry fewer radios. The AN/PRC-154A radio is designed to operate with the AN/PRC-155 radio thus allowing the ability to route to other systems via the 2 channel manpack.

The Rifleman Radio provides situational awareness at all levels of the battlefield, allowing voice, data, and GPS information to move seamlessly across the Soldier Radio Waveform (SRW) network. Suitable as a body worn device or with vehicular applications, such as the Sidewinder Vehicle Mount, the Rifleman Radio is the one common thread that ties everyone to the battlefield network.

One Family of Radios Meets Your Specific Mission Needs

As part of the Handheld, Manpack, Small Form Fit (HMS) family of radios, the Rifleman Radio interoperates with our entire portfolio of tactical radio products. The AN/PRC-154A leverages the same software, waveform and most of the architecture as the AN/PRC-154 Rifleman Radio. The HMS family of radios provides commonality across and into higher echelons from the EDGE of the battlefield, eliminating the need for disparate radio systems, with fewer equipment components to support.

AN/PRC-154A Rifleman Radio

Technical Specifications

- **Frequency Range**
 - 225-450MHz, 1250-1390MHz, 1755-1850MHz
- **Size**
 - < 32 cu. in. with battery and antenna
 - 7.5" h x 2.5" w x 1.7" d
- **Communication Range**
 - >2 km (depending on environment)
- **Transmit Power**
 - Selectable up to 5.0W
- **Weight**
 - 1.69 lbs (with battery)
 - 0.95 lbs (without battery)
- **Environmental Specifications**
 - Operating Temperature: -40° to +55° C
 - Storage Temperature: -51° to +71° C
 - Immersion: 2m
- **GPS**
 - Integral GPS and antenna
 - External SAASM interface
- **Programmable Channels**
 - 50 presets, 3 talk groups per preset
- **Waveforms/Modes of Operation**
 - Soldier Radio Waveform (SRW)
 - Future Waveforms
- **JTRS Compliance/APIs**
 - Yes
- **Interfaces Supported**
 - Standard Headset (H-250)
 - Nett Warrior
 - USB
 - RS-232
- **Data Rate**
 - SRW data modes supported
- **Operational Battery life**
 - >9 Hrs
- **Situational Awareness:**
 - Supports rugged and commercial displays
 - Interfaces to computer devices such as a Universal Applications Product (UAP)
 - Supports Nett Warrior software applications
- **Programmable COMSEC & TRANSEC**
 - Yes – Type 1
 - Yes – Type II
 - Non-CCI

Features and Benefits

- Continuous transmission of Position Location Information (PLI) enables situational awareness and blue force tracking
- Interfaces to GPS SAASM
- Supports hands-free display and external computer interface
- User-friendly audible HMI (i.e., audio indicators for preset, GPS position, software version, and battery status)
- Actively participates in one voice talk call group while simultaneously monitoring up to two other talk groups
- Software programmable/upgradeable
- Easy channel reprogramming and presets
- Easy frequency and talk group selection with presets
- Operates with a commercial battery and utilizes associated charger
- Small, ruggedized, lightweight chassis that is EMI/EMC compliant
- Operates with standard USB and RS-232 devices for display use and radio control
- Interoperable with platoon or squad networks
- Access to other networks when used with the AN/PRC-155 2-Channel radio
- Compatible with Sidewinder vehicular mount for jerk-and-run scenarios



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