

AN/PRC-152

**TYPE 1 MULTIBAND
MULTIMISSION
HANDHELD RADIO**

SINCGARS

HAVEQUICK II

MIL-STD-188-181B

AM/FM

HPW

The AN/PRC-152 single-channel, multiband handheld radio provides the multimission capabilities needed by today's warfighter. It covers the frequency range of 30 to 512 MHz and provides an adjustable transmit output power up to 5 watts. With a JTRS architecture and SCA operating environment, the AN/PRC-152 provides the optimal transition to JTRS technology.

The AN/PRC-152 supports SINCGARS, Havequick II, VHF/UHF AM & FM, High Performance Waveform (HPW), MIL-STD-188-181B, which provides Advanced Narrowband Digital Voice Terminal (ANDVT) voice and up to 56 kbits/sec data. Both Havequick II and VHF/UHF AM & FM waveforms are ported versions of the preliminary JTRS library waveforms, validating the AN/PRC-152's JTRS architecture. Future software upgrades include AES encryption and the APCO 25 Land Mobile Radio waveform to support interoperability with civil authorities (optional).

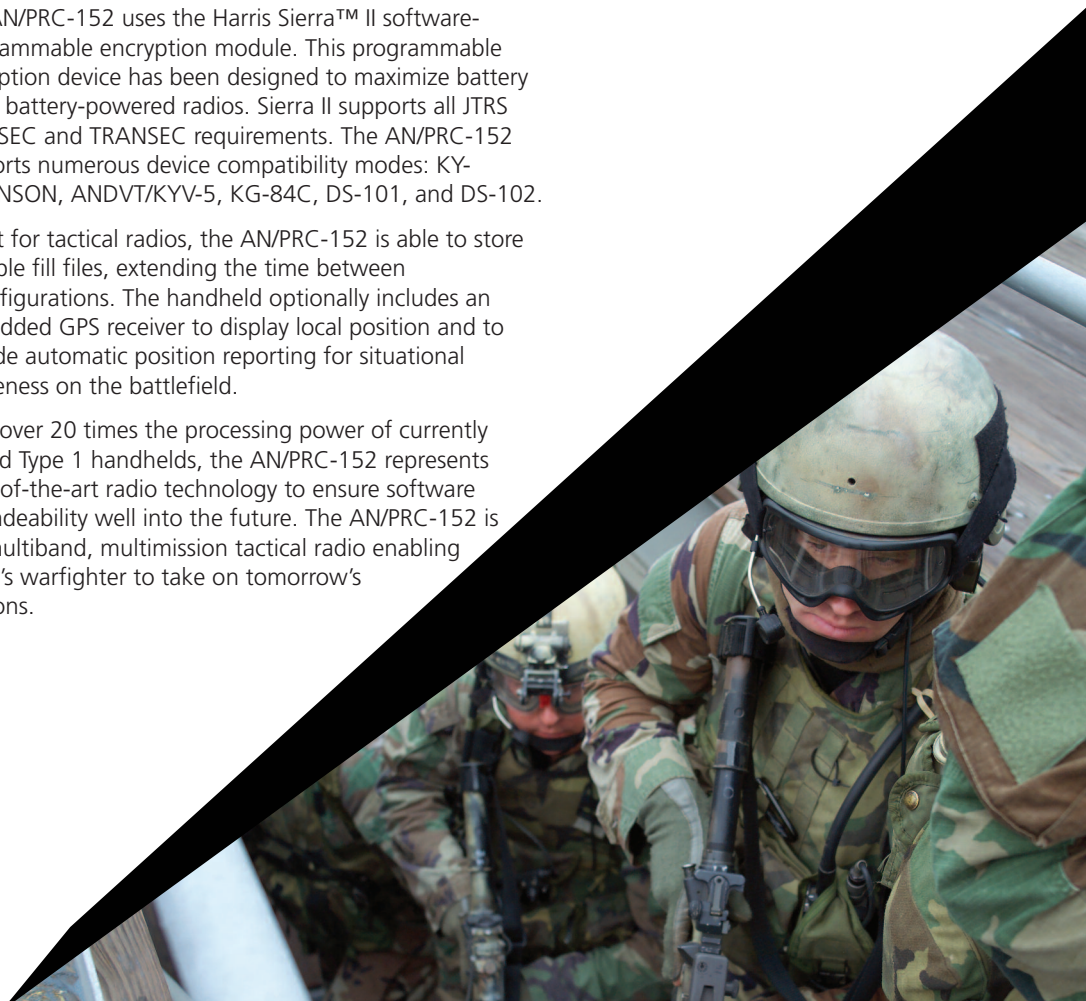
The AN/PRC-152 uses the Harris Sierra™ II software-programmable encryption module. This programmable encryption device has been designed to maximize battery life in battery-powered radios. Sierra II supports all JTRS COMSEC and TRANSEC requirements. The AN/PRC-152 supports numerous device compatibility modes: KY-57/VINSON, ANDVT/KYV-5, KG-84C, DS-101, and DS-102.

A first for tactical radios, the AN/PRC-152 is able to store multiple fill files, extending the time between reconfigurations. The handheld optionally includes an embedded GPS receiver to display local position and to provide automatic position reporting for situational awareness on the battlefield.

With over 20 times the processing power of currently fielded Type 1 handhelds, the AN/PRC-152 represents state-of-the-art radio technology to ensure software upgradeability well into the future. The AN/PRC-152 is the multiband, multimission tactical radio enabling today's warfighter to take on tomorrow's missions.



NSA CERTIFIED



General

Frequency Range	30 to 512 MHz
Presets	100
Transmission Modes	FM, AM, PSK, CPM
Tuning Resolution	10 Hz

Transmitter

Output Power	250 mW to 5 W
Harmonic Suppression	-47 dBc
Frequency Stability	+/- 2.5 ppm

Receiver

FM Sensitivity	-116 dBm (12 dB SINAD)
Adjacent Channel Rejection	Greater than 55 dB

Interoperability

Fill Devices	AN/CYZ-10 DTD (Supports DS-101, DS-102 and Mode 2/3)
Crypto Modes	KY-57, ANDVT/KYV-5, KG-84C
Radios	AN/PRC-117F, AN/PRC-113, AN/PRC-119A/B, AN/PRC-148, AN/PRC-77, PSC-5

Interfaces

External Data	RS-232, RS-422, MIL-STD-188-114A
Remote Control	USB, RS-232
Antenna	50 Ohm TNC
Audio	Six-pin Standard

Physical

Dimensions	2.5 W x 9.2 H x 1.7 D (inches) (with battery)
Weight	2.4 lbs (with battery)

Environmental

Temperature	-31°C to 60°C
Immersion	1 Meter
Test Method	MIL-STD-810F
Finish	CARC Green

Key Features

- SCA v2.2
- Sierra II Programmable Crypto
- Built-in Speaker/Mic
- Full Numeric Keypad
- NVG Compatible Display
- Embedded GPS (optional)
- MELP

Waveforms:

- SINCGARS
- VHF/UHF AM/FM
- MIL-STD-188-181B
- Havequick II
- High performance waveform (HPW)

Accessories

- 30 to 512 MHz Small Whip Antenna (included)
- Rechargeable Lithium-Ion Battery (included)
- 30 to 108 MHz 1 Meter Blade Antenna (included)
- Operator's Manual (included)
- Holster
- Single-bay Battery Charger
- Two-bay Battery Charger
- Six-bay Battery Charger
- H-250 Handset
- Audio Headsets



Specifications are subject to change without notice.