



TRUNET™ AN/PRC-162(V)1 TWO-CHANNEL NETWORKING GROUND RADIO

ADVANCED, GROUND-AIR NETWORKING

Right information.
Right place. Right time.

Reliable, secure and advanced communication is key to your success – not only in today's advanced networking battlespace but also for assurance in future conflicts and coalition operations.

The TruNet™ AN/PRC-162(V)1 two-channel networking ground radio is the latest and most capable software defined radio (SDR) receiver-transmitter. This is part of the TruNet networked communications solution family, which also includes airborne radios, advanced networking waveforms, apps, ancillaries and services. TruNet ensures secure connectivity between ground and airborne elements across the entire battlespace.

From man-portable to vehicle-mounted, its adaptability enables the PRC-162 to offer unique capabilities while conforming to the latest SDR tenets and architectures. The PRC-162 is interoperable with earlier airborne V/UHF radio variants from Collins Aerospace.

Air, sea or land military forces depend on fully networked, secure communications and interoperability to increase warfighter survivability and effectiveness. Our PRC-162 delivers this mission-critical capability. It offers multiple waveforms – both narrowband and wideband – high-speed mobile ad hoc networked communications, point-to-point data, voice and next-generation SATCOM (MUOS).

The unit's SDR architecture provides customers with superior versatility and independence. It enables legacy radio compatibility and is designed to support future waveform advances.



KEY FEATURES

- Provides two independent communications channels with seamless voice and data route and retransmission functionality
- Enables proven, fully networked and secure communication that spans air, ground and fixed sites
- Delivers high-speed mobile ad hoc networked communications
- Transmits point-to-point data, voice, next-generation SATCOM (MUOS)
- Internal GPS: Commercial (CA code) or military grade (SAASM)



FREQUENCY RANGE

- 30-88 MHz
- 108-174 MHz
- 225-450 MHz
- 764-941 MHz
- 1250-1450 MHz
- 1755-1950 MHz
- Option to cover gaps and extend to 2500 MHz

CHANNEL BANDWIDTHS

- Narrowband: 6.25, 12.5 and 25 kHz and software definable
- Wideband: in VHF up to 500 Hz and in UHF and L band up to 10 MHz

TUNING

- 1.25 kHz increments

TRANSMIT OUTPUT POWER

- AM: 20 W PEP (118-400 MHz)
- FM/PM: 20 W PEP (30-450 MHz)
- FM/PM: 20 W PEP (1250-1450, 1755-1850 MHz)

EMBEDDED COMSEC FUNCTIONALITY

- Fully software programmable to meet future needs
- Supports crypto modernization IAW Tactical Secure Voice-2
- Cryptographic Interoperability Specification
- Type 1 encryption

WAVEFORM OPTIONS

- HAVE QUICK I/HAVE QUICK II
- SINCGARS/ESIP
- Mobile User Objective System (MUOS)
- Soldier Radio Waveform (SRW)
- SATURN (capable)
- VULOS
- ATC
- Ability to host future SCA waveforms
- WNW (capable)
- Mixed Excitation Linear Prediction (MELP)
- DAMA
- IW

FUTURE GROWTH

- ESSOR
- TETRA
- Bowman
- APC025
- Joint Networking Waveform (JNW) – international wideband
- Joint Combat Waveform (JCW) – international narrowband

ANCILLARIES/KITS

- Two- and four-channel vehicle and transportable mounts
- 50 watt power amplifiers
- Co-site filters
- Antennas
- Cables and connectors

*PRC-162 vehicle mount option*

Specifications subject to change without notice.

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