

TACTICAL NETWORK ROVER® 2x (TNR 2x) WIDEBAND ISR HANDHELD TRANSCEIVER

Delivering wideband reliable and secure communications to the tactical edge

TNR 2x builds on the legacy of previous generation ROVER handheld products by offering the widest ISR platform compatibility to date. TNR 2x is the perfect choice for ISR handheld applications where interoperability, security and performance are all important considerations.

PRODUCT DESCRIPTION

The TNR 2x handheld transceiver supports digital waveforms enabling interoperability with commonly fielded US and NATO airborne platforms.

The TNR 2x provides bidirectional data link capability for air-to-ground interoperability and ground-to-air networking. This kind of network connectivity allows for Digitally Aided Close Air Support (DaCAS), ground force position sharing, chat and large file transfer capabilities to provide unprecedented situational awareness to dismounted ground troops.

TNR 2x is also a software defined radio, which allows for field upgrades for future waveforms.



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Unprecedented Situational Awareness to Dismounted Ground Troops

KEY BENEFITS

EASY TO CONFIGURE

The TNR 2x is simple to configure, ensuring flexibility from mission set to mission set

- > Auto waveform detect capable via “ROVER code”
- > Keypad Selectable Presets
- > Comprehensive configuration available via Graphical User Interface

UPDATED PERFORMANCE

Updated high performance hardware and software.

- > Expanded UHF, L and S Band Coverage
- > Software defined radio allows for field upgrades for future waveforms

SPECIFICATIONS

| SPECIFICATION | TNR 2x |
|---|--|
| RF Performance Characteristics, Transmit (TX) and Receive (RX) bands (simultaneously uses one band for TX and a different band for RX) | |
| L-Band, MHz | 1625-1850, 0.25 MHz steps |
| S-Band, MHz | 2025-2110 and 2200- 2500, 0.25 MHz steps |
| C-Band (RX only), MHz | 4400-4950 and 5250-5850, 1.0 MHz steps |
| Ku-Band1 (RX only), GHz | 14.40-14.83 and 15.15-15.35, 1.0 MHz steps |
| Waveforms | |
| IW | 0.75, 1.5, 3.0, 6.0 (all bands), 0.4, 3.5, 10.0 (Ku-band only) |
| Encryption | |
| AES | 256 bit |
| Video | |
| Decode | H.261, H.264, MPEG-2, MPEG-4, MJPEG, Analog NTSC/RS-170 |
| SWaP (without battery) | |
| Size (excluding connectors), in | 2.3 x 7.3 x 3.0 |
| Weight, lbs | < 2.5 |
| Input Voltage, VDC | 11 to 13 |
| Power Consumption, watts | 11 max (RX only) 27.5 max (TX/RX) |
| Battery | AN/PRC-148 or AN/PRC-152 |



Tactical Network ROVER 2x

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