

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 both analog and digital waveforms.

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.



Unprecedented Situational Awareness to Dismounted Ground Troops

KEY BENEFITS

EASY TO CONFIGURE

The TNR 2x is easy to configure and flexible enough for any mission.

- > 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 L and S Band Coverage

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	1625-1850 MHz, 0.25 MHz steps
S-Band	2025-2110 and 2200- 2500 MHz, 0.25 MHz steps
C-Band (RX only)	4400-4950 and 5250-5850 MHz, 1.0 MHz steps
Ku-Band ¹ (RX only)	14.40-14.83 and 15.15-15.35 GHz, 1.0 MHz steps
Waveforms	
IW	0.75, 1.5, 3.0, 6.0 (all bands) (TX/RX), 0.4, 3.5, 10.0 (Ku-band only) (RX Only)
Analog FM (RX only)	
DVB-T (RX only)	3.75 Mbps to 21.11 Mbps
Encryption	
AES	128 bit, 192 bit and 256 bit
Video	
Decode	H.261, H.264, MPEG-2, MPEG-4, MJPEG, Analog NTSC/PAL
SWaP (without battery)	
Size (excluding connectors)	2.7" x 6.54" x 2.125"
Weight	< 2.5 lbs
Input Voltage	11 VDC to 13 VDC
Power Consumption	11 W max (RX only) 27.5 W max (TX/RX)
Battery	MBITR

WAVEFORM COMPATIBILITY MATRIX	ANALOG	DVB-T	IW
Frequency Bands			
L-Band	RX	RX	TX/RX
S-Band	RX	RX	TX/RX
C-Band	RX	RX	TX/RX
Ku-Band ¹			RX
Encryption			
AES		X	X

1. Compatible data rates and frequencies only available with optional Ku-Band accessory



Tactical Network ROVER 2x

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1025 W. NASA Boulevard
Melbourne, FL 32919

[L3Harris.com](https://www.l3harris.com)