



T L3Ha SINGARS RT-1702

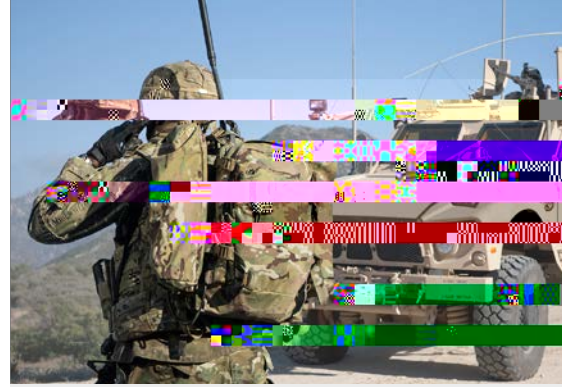


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The RT-1702 rapidly adapts to changing mission needs. When delivered (o)-5.1 (s). W2 rang

communication capabilities through an In-Service Controller. are available from the front panel, allowing local forces to effectively manage multiple operations.

Warfare, ge-enhanced Situational Awareness, through real-time maps, Position Location Information and IP data. In an optional, embedded 12-channel GPS receiver. External interfaces are also available for sharing GPS data with other tactical systems.



KEY BENEFITS

- > Robust SINGARS capabilities
- > Enhanced awareness
- > Robust, accurate, and reliable
- > GPS NAV V
- > Wireless - aca

GENERAL	
RT Nomenclature	RT-1702
Frequency Range	30-88 MH/
Channel Spacing/Bandwidth	25 KH/
Net Presets	8 for single-channel operation
GPS	Optional embedded GPS receiver
Management Tool	CMS
Frequency Tuning	25 KH/
Software Environment	NA
Frequency Stability	± 2 PPM

TRANSMITTERS	
Power Output	1 mW (LO), 100 mW (MED), 5 W (HI) 50 W (PA in RFPA power amplifier)
Harmonic Suppression	-44 dBc (2nd, 3rd), -69 dBc (>3rd)
Spurious Suppression	-100 dBc
Audio Input	1.4 mV to 140 mV into 600 Ohms, 0.7 mV in high-impedance

RECEIVERS	
Sensitivity	-90 residual to -114 sensitivity
Adjacent Channel Rejection	23 dB @ 25 KH/, 45 dB @ 50 KH/
Squelch	150 + 3H/
Noise Floor (NF)	-181 dBc/H/, as frequency ± 5 MH/ or 10%
Audio Output	50 mW + 2 dB

POWER	
Power Input	13.0 to 1.0 Vdc
Power Consumption	355 mA-1554 mA
Battery Types	Primary -balanced lithium primary radio idle or rechargeable Ni-Cad, Ni-mH, Li-Ion

SECURITY	
Encryption	Commercially available PALION SINGARS

MODES AND WAVEFORMS	
Narrowband Waveforms	STANAG 4204 compliant (SC)
Wideband Waveforms	SINGARS (FH)
Voice and Data Modes	Single channel: clear or secure (STANAG 4204 compliant), PT, CT, FH: clear or secure (and combination of 2320 available channels). Analog voice SC/PT, over-the-air removal, retransmission operation (a time-scale is the best seen voice and data), RS-232 PPP data interface for local data devices, MIL-STD-188-220C operation; in ATCS Tactical Interface X.21 packet data interface, RS-232 data 1200, 2400, 4800 and 9600 bps, synchronous data 1200, 2400, 4800 and 16000 bps

L3Ha SINGARS RT-1702 VHF C ba N Ra
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