

INTERNATIONAL

SINGARS RT-1702 VHF Radio Configurations

Software-programmable voice and data radios with integrated COMSEC, TRANSEC, and Situational Awareness.



ITT

Engineered for life

ITT SINCGARS RT-1702 VHF Radio Configurations

System Specification

Frequency Range	30 to 88 MHz
Modulation Type	Frequency modulation (digital or analog)
Channels	2320
Channel Spacing	25 kHz
Modes of Operation	Single channel and Frequency Hopping (FH)
Preset Channels	8 for single-channel operation
Frequency Hopping Preset Radio Nets	6 FH Presets
Frequency Entry	Through keyboard, including FH band limits
Battery Type	Primary-balanced lithium-sulphur dioxide or rechargeable Ni-Cad, Ni-mH, Li-ION
Frequency Stability	±2 PPM
Communications Security Capability	Internal encryption module, operation in plain text or cipher text
Data Capability	600 bps to 16 kbps digital plus FSK, including packet data
Self Test	Unit and module level built-in test. Front panel display of status.
Display	Gen III Night Vision Goggle compatibility
Built-In GPS	Optional

Transmitter Characteristics

Power Output	100 mW, 5 W, 10 W dismounted, 50 W (with RFPA power amplifier)
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Input Power

Manpack	12-14 volt battery
Vehicular	+28 Vdc per MIL-STD-1275

Environmental

Vehicular	-51°C to +71°C (-60°F to +160°F) including effects from sun loading Water immersible to 1 m (3') Mechanical environment of military wheel and track vehicles per MIL-STD-810 procedures
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Physical Characteristics

Size	13.4 cm (5.3") wide X 8.7 cm (3.4") high 25.8 cm (10.15") deep includes battery
Volume	2973 cm ³ (120") includes battery
Weight	3.5 Kg (7.8 lbs.) includes battery (BB-2590)

Mounting Base Options

Vehicle Adapter Assembly (VAA) – standard U.S. mount	Tactical Radio Mount (TRM) – slim mount for vehicles with space limitations (pictured on the right)
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AN/PRC-119
5W, 10W Manpack



AN/VRC-87
Vehicular 5W short-range



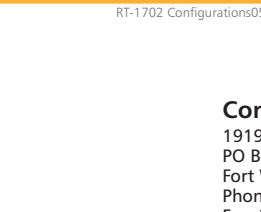
AN/VRC-88
Vehicular 5W short-range dismountable – includes manpack accessories



AN/VRC-89
Vehicular 50W long-range/short-range



AN/VRC-91
Vehicular 50W long-range/dismountable short-range –with manpack accessories



AN/VRC-90
Vehicular 50W long-range



AN/VRC-92
Vehicular 50W dual long-range (retransmit)– plus 2nd power amp and retrans cable

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