

SideHat®

The Exelis SideHat is a simple radio solution that quickly attaches to existing SINCGARS radio installations, offering rapid, affordable and interoperable wideband network communications for Early Infantry Brigade Combat Team (E-IBCT) deployments and other SRW applications.

Using SideHat, mounted and dismounted Soldiers can exchange vital voice and data (including video and position location information) simultaneously in real time. SideHat enables a more accurate picture of the battlefield, fratricide avoidance and battle command on-the-move.



NSA
CERTIFIED

SPECIFICATIONS

Performance

Frequency Range	UHF 225-450 MHz L-Band 1250-1390 and 1710-1850 MHz
Programmable Tx Power	23.4W-UHF, 28.0W L-Band
Input Power	20-36v (28V nominal)
Weight	5.9 lbs
Size	172 in ³ (3.41 in tall x 5.24 in wide x 9.63 in long)

Features

Compliance	Certified as SCA 2.2.2 compliant (with zero waivers) and JTRS standard API compliant
Voice	Combat Net Radio (CNR)
Automatic Position Reporting GPS	External SAASM via RT-1523
Human Machine Interface	Local function switch and RT-1523 keypad/display
Monitoring	Via RT-1523 keypad/display
Operational Configurations	Vehicular and dismounted
Presets	64 mission presets
Network Scalable	Provides full SRW scalability featuring Tier 1A/1B gateway
Network Manager	JTRS Enterprise Network Manager (JENM)
Security	Embedded AARIS-457
Classification Levels	Secret and below (NSA Certified)

Operating Environment

Temperature	-40°C to +55°C
Humidity	95% non-condensing
Rain	1.8 in/hr. and 40 mph
Immersion	1 meter, 30 minutes
Shock	3 ft drop, ballistic shock
Vehicular Mounting	Provides up to two SRW channels per SINCGARS VAA Fully interoperable with JTRS SRW radios

SPECIFICATIONS

Interfaces

Data	Ethernet, RS-232
Control	USB
Audio	Via vehicle Intercom, optional local headset or handset
Antenna	50 Ohm TNC, UHF, L-Band, (multiband optional)
Rotary Function Switch	Operate, Zeroize, Admin
Front panel LED Indicators	Power and security
Display and Keypad	Via RT-1523 front panel
Power	Vehicular - mounted operations External battery - dismounted operations

Waveforms

Soldier Radio Waveform (SRW)	Version 1.1.1.1: All modes including EW, CC and all domains, including SS and Teleops
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Four Channel Configuration: Dual SideHats and SINCGARS RT-1523s in VAA Mount

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