



The world wide leader of Link 16 solutions for air, ground, and maritime applications

Link 16 TacNet™ Tactical Radio

Today's wars are being waged against an unconventional enemy in challenging environments. The exchange of critical real time information among air, land and sea forces is more important than ever. This increased situational awareness saves lives and enhances mission effectiveness.

DLS' new Link 16 TacNet™ Tactical Radio (TTR) delivers proven Link 16 capability to meet both U.S. armed forces and coalition warfighter requirements for a small, lightweight, low-cost Link 16 situational awareness radio to combat 21st century threats. TTR is the smallest size, standalone Link 16 terminal available on the market today.

Built on a solid foundation of combat proven data link systems technology from the world's leading Link 16 manufacturer, TTR provides critical connectivity for platforms that traditionally lacked Link 16 access, such as UAS, Tactical Air Control Party (TACP), mobile and transportable ground stations, rotary wing, small maritime assets and transport aircraft.

The terminal was developed, tested and qualified to MIL-STD-6016D, STANAG 5516 and DOD 4650.1-R1 requirements ensuring full interoperability across all platforms currently operating on the Link 16 network.

Performance characteristics

- Three selectable transmit power modes: 90W, 50W and 1W
 - Time Slot Duty Factor (TSDF) modes: up to 100% TSDF
 - Dual or single antenna TX and RX
 - Jam resistance and crypto secure
 - 127 possible nets
 - Frequency remapping
 - Extended sync endurance
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Link 16 TacNet Tactical Radio

Terminal characteristics

Length	6.60 in (16.76 cm)
Width	4.96 in (12.60 cm)
Height	5.56 in (14.12 cm)
Weight	9.9 lbs (4.5 kg)
Volume	<182 in ³ (2,982.4 cm ³)
Input Power	28 VDC
Cooling	Free convection cooled, no cold plates or fans required
Environmental compliance	MIL-STD-810F, MIL-STD-461E
Operating temperature	-40 °C TO +71 °C
Storage temperature	-55 °C to +95 °C
Altitude	-1,800 to +70,000 ft (-549 to +21,336 m)
Range	+200 nm (+370.4 km)

Growth capability

- Link 16 crypto modernization
- Enhanced throughput (ET)
- Concurrent multi-netting
- Multi-channel capability
- High power capability

Functional capabilities

- Interoperable with MIDS and JTIDS
- NATO interoperability
- Full Link 16 message capability to include Precise Participant Location and Identification (PPLI) messages (MIL-STD-6061D)
- Embedded, highly accurate geodetic navigation
- Adaptive host interface processing
- Applicable to all military services
- Relay
- CVSD and LPC-10 voice
- 1553 and Ethernet I/O
- SCA architecture
- Co-site mitigation interfaces

Benefits to end user

- Situational awareness now available for all tactical edge users
- Improved mission effectiveness
- See your tactical objective
- Reduced pilot workload
- Real time shared sensor information
- Improved mission tactics
- Reduced duplicate assignments or targets
- Joint Link 16 interoperability with NATO and coalition forces
- Significant cost savings over MIDS



MIDS JTRS

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