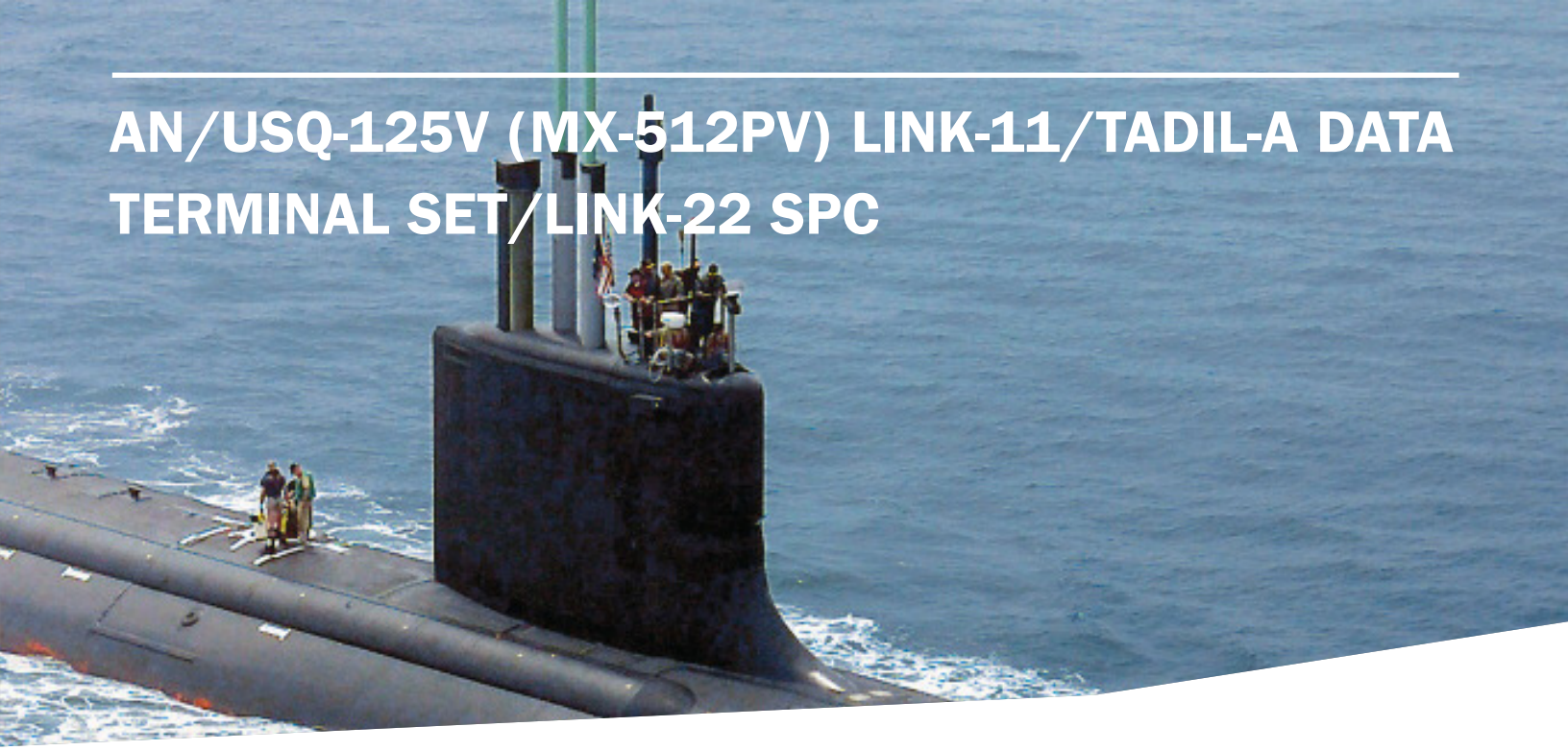


AN/USQ-125V (MX-512PV) LINK-11/TADIL-A DATA TERMINAL SET/LINK-22 SPC

AN/USQ-125V (MX-512PV) LINK-11/TADIL-A DATA TERMINAL SET/LINK-22 SPC

The DRS AN/USQ-125V utilizes the same technology as used in U.S. Navy Common Shipboard Data Terminal Set (CSDTS). To-date, DRS has delivered upwards of 2,000 systems in more than 20 countries. The AN/USQ-125 is the shipboard member of the DRS DTS product family. It is currently employed on destroyers, frigates, submarines and in shore support facilities. The AN/USQ-125V Link-11/TADIL-A DTS provides all required modem and network control functions in a Link-11/TADIL-A system using either HF or UHF, or SATLINK radio communications. As an option, the terminal can also be configured as the Signal Processor Controller (SPC) in a Link-22 tactical data link or in a multi-link Link-11/Link-22 configuration.

The optional configurations are as follows:

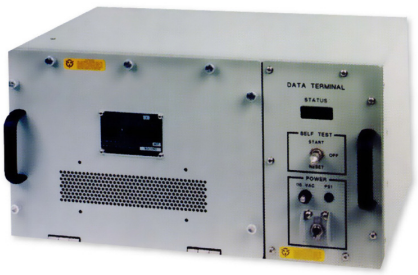
Single Channel Options:

- Switchable Link-11 DTS or HF or UHF Link-22 SPC

Dual Channel Options:

- Simultaneous Two Channel Link-11 DTS
- Simultaneous Link-11 DTS and HF Link-22 SPC
- Simultaneous Link-11 DTS and UHF Link-22 SPC
- Simultaneous HF Link-22 SPC and HF or UHF Link-22 SPC

The AN/USQ-125V meets the requirements of the NATO Improvement Link-11 (NILE) SPC system segment specifications, for HF and UHF fixed frequency SPC operation. Being the first SPC supplier, a DRS SPC was used in the initial NILE Link-22 reference system.



AN/USQ-125V Link-11/TADIL-A DTS

AN/USQ-125V (MX-512PV) LINK-11/TADIL-A DATA TERMINAL SET/LINK-22 SPC

LINK-11 HIGHLIGHTS

- Meets MIL-STD-188-203-1A
- Conventional Link-11 Waveform (CLEW)
- Single-Tone Link 11 Waveform (SLEW) per SPAWAR-850

LINK-22 HIGHLIGHTS

- Meets Segment Specification for the Signal Processing Controller (SPC) of the Link 22 (NILE) System, Appendix A
- HF FF Media, Appendix B, UHF FF Media

PHYSICAL SPECIFICATIONS

Height	8.7 inches (22 cm)
Width	19 inches (48 cm)
Depth	11.7 inches (30 cm)
Weight	30 lbs. (13.6 kg)

ELECTRICAL SPECIFICATIONS

Power	115 V 47 to 440 Hz 30 Watts (single-channel) or 50 Watts (multi-channel)

ENVIRONMENT SPECIFICATIONS

Operating Temperature	+32°F to +122°F (0°C to +50°C)
Non-operating Temperature	-58°F to +185°F (-50°C to +85°C)
Vibration	MIL-STD-167-1, Type I
Humidity	MIL-STD-810F, Method 507.4
Shock	MIL-S-901, Grade A, Class 1, Type A

RELIABILITY

Mean Time Before Failure (MTBF)

Over 11,600 hours per MIL-HDBK-217 F AT 25 NAVAL SHELTERED (single channel)

MAINTAINABILITY

Mean Time To Repair (MTTR) (ORG level)	10 minutes
(DEPOT level)	40 minutes

OPTIONAL FEATURES

Control interface	Single channel: RS-423 asychronous 9.6 kbps or Ethernet 10base-T Multi-channel: Ethernet 10base-T
Control software	Single-channel Link Control Software, Windows or Linux Multi-channel Link Control Software, Windows or Linux

- Multi-media
- Link 11-DTS Multi-Media over HF/UHF Radio and SATCOM/Wireline channels to support CLEW/SLEW/SATCOM
- Gateway
- Link-22 SPC over HF and UHF radio
- Simultaneous Link-11 DTS and Link-22 SPC
- Link Analysis for Link-11
- Link Monitor System (LMS): A tool for link management of network and participating unit operation

ACCESSORIES

- MX-512S Tactical Data Simulation System (TDSS) to simulate tactical data computer messages and provide single/multi-station POFA
- GA-540 Serial Data Link Translator (SDLT) “red side” ATDS crypto interface in VME, 1/4 ATR airborne or 1 U height rack configurations
- GA-550 data link processor “m-message” assembly, dis-assembly and processing

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