

Sidewinder Vehicle Mount

For On-The-Move SRW Communications



Photo Courtesy of U.S. Army

Expand your SRW Network to the vehicular environment

Cost effective solution for single channel SRW in a vehicle

Jerk-and-run capable to support dismount operations

Compatible with current vehicular mounting adaptors, computers, data devices, and intercom systems

Significant range extension

Overview

The Sidewinder vehicle mount extends the Soldier Radio Waveform (SRW) network to the vehicular environment by connecting a handheld radio, such as AN/PRC-154 Rifleman Radio, with a JTRS high power amplifier in a low-cost vehicle mount configuration.

Compatible with current vehicular mount adaptors, the Sidewinder allows the radio to operate from vehicle power while controlling the power amplifier to extend range and continue network connectivity.

In addition to enabling vehicular voice and data communications, the radio can also be quickly removed for dismounted operations without losing connection to the network.

Sidewinder Vehicle Mount

Technical Specifications

- Size:
 - < 206 cu. in.
 - 3.44" H x 5.31" W x 11.25" D
- Weight:
 - < 5 lbs
- Input Power
 - MIL-STD-1275
- Environmental Specifications per MIL-STD-810F
 - Operating Temperature: -30° to +60° C
 - Storage Temperature: -51° to +71° C
 - Vibration: Wheeled and Tracked Vehicles
 - Rainfall
 - Salt Fog
 - Sand and Dust
 - Shock
- EMI Specifications per MIL-STD-461E
 - CE102
 - CS101
 - CS114-116
 - RE102
 - RS103
- MTBF
 - ≥ 2500 hours
- Power Output
 - 20 Watts
- JTRS Components
 - Compatible with AN/PRC-154 Rifleman Radio
 - Compatible with Secret and Below Radio (SFF-B(V)1) and other JTRS HMS Handhelds
 - Utilizes High-Power Amplifier from AN/PRC-155 Manpack Radio
- Interfaces Supported
 - Ethernet
 - USB
 - RS-232
 - DAGR GPS
 - H-250 Audio
 - Vehicle Intercom System (VIC, VIS-X)

Features and Benefits

- Extends range of SRW network with high power amplification
- Minimizes logistics by plugging in SRW to existing infrastructure
- Compatible with standard:
 - Vehicle Tray MT-6352/VRC
 - SINGARS VRC-89, 90, 91 and 92
 - SINGARS AM-7239 VAA
- Supports UHF and L-band
- Continuous battery charge to handheld radio
- Allows jerk-and-run of radio for dismounted operations
- Interfaces to vehicle intercom system (VIC, VIS-X)



One or two channels per mounting tray



JTRS radio and power amplifier not included.

GENERAL DYNAMICS

C4 Systems

8220 East Roosevelt Street, M/D R3260 • Scottsdale, Arizona 85257

Phone: 480-441-4079 • Fax: 480-441-0006 • radios@gdc4s.com • www.gdc4s.com/jtrshms

© 2011 General Dynamics. All rights reserved. General Dynamics reserves the right to make changes in its products and specifications at anytime and without notice. All trademarks indicated as such herein are trademarks of General Dynamics.