

ACC-188

High-Speed Synchronous
Serial Solution



ACC-188

Shown with PRC-148 connector

SEALEVEL

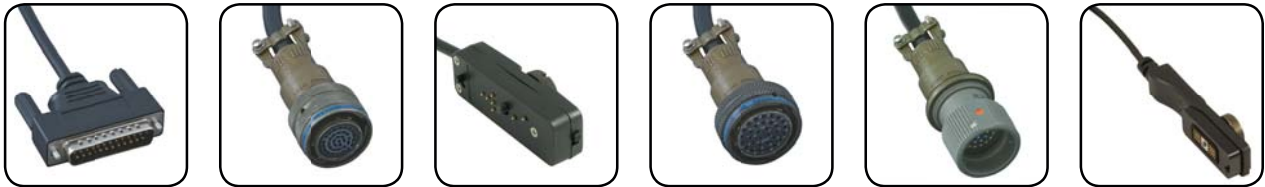
Interoperable.

High-Speed Interoperable Data Solution for Tactical Radios

Sealevel Systems has the interoperable, high-speed MIL-STD-188-184 data solution for high-speed tactical data transmission: a USB synchronous radio adapter cable and DISA's free PDA-184 software application. Connect the plug-and-play cable to your computer or handheld device via USB connection and to your tactical radio. It is quick and easy for warfighters to enhance their critical high-speed data communication in the battlefield.

Competitive Advantages:

- > **Interoperable**
- > **Non-proprietary**
- > **Highest data throughput**
- > **Low cost**
- > **More reliable communication**
- > **Rugged**
- > **Light weight**
- > **Easy to install, configure, and use**
- > **Simple single cable solution**
- > **Compatible with SINGARS, EPLRS, MBMMR, MBITR, and JTRS radios**



ACC-188 is available with a variety of radio connector options.



Rugged.



Sealevel ACC-188 connected to laptop and tactical radio.

ACC-188 Features

- > Send text messages, email, files, images, GPS data, etc.
- > HF, UHF, VHF, and SATCOM
- > Non-proprietary MIL-STD-188-184 compliant
- > Powerful FPGA programmable architecture
- > Transmits data @ up to 76K via SATCOM
- > Transmission speed automatically adjusts to optimize signal integrity
- > Hot swappable
- > Aluminum chassis with rubber overmold
- > Resistant to liquid, dust, and dirt
- > Heavily shielded against electrical interference
- > Easy to use GUI interface

Mechanical Specifications

Overall Cable Length: 60"

Plastic Overmold: 6.25" L x 1.75" W x .5" H

Product Weight: 0.88 lbs

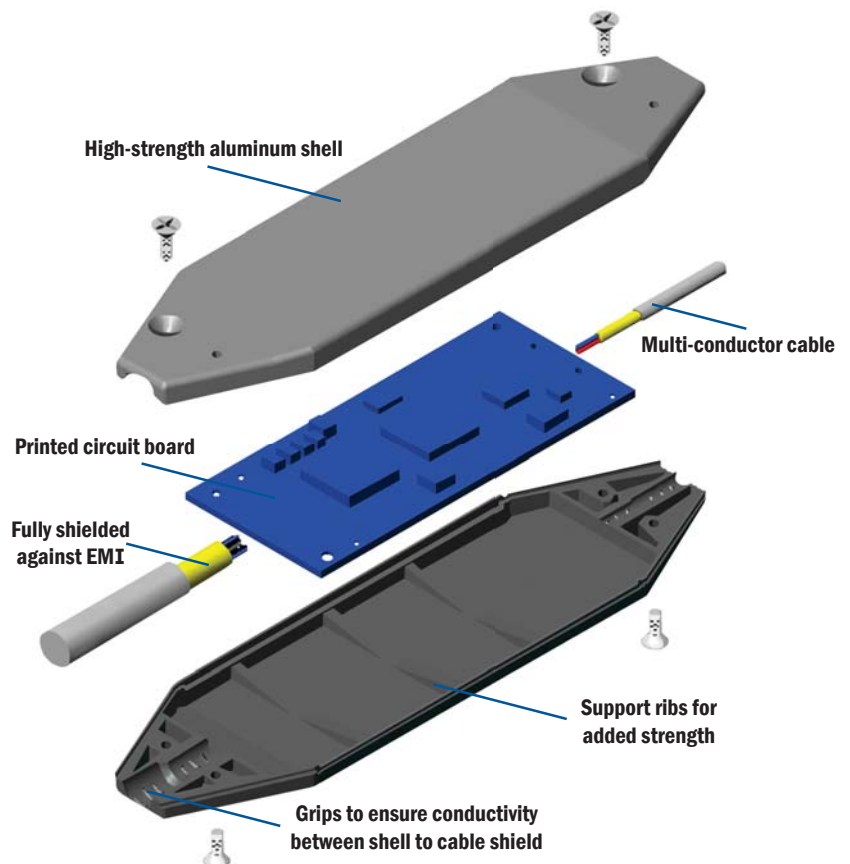
Electrical Specifications

Supported Protocols:

- MIL-STD-188-184 data waveform
- Synchronous RS-232/422/485/530
- Other protocols available by request

Power Consumption: 0.28W

Power Source: USB powered



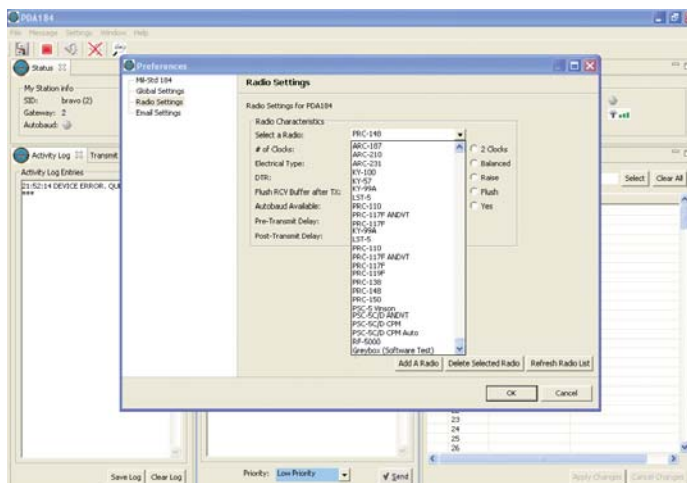
SEALEVEL®

Easy to install software.

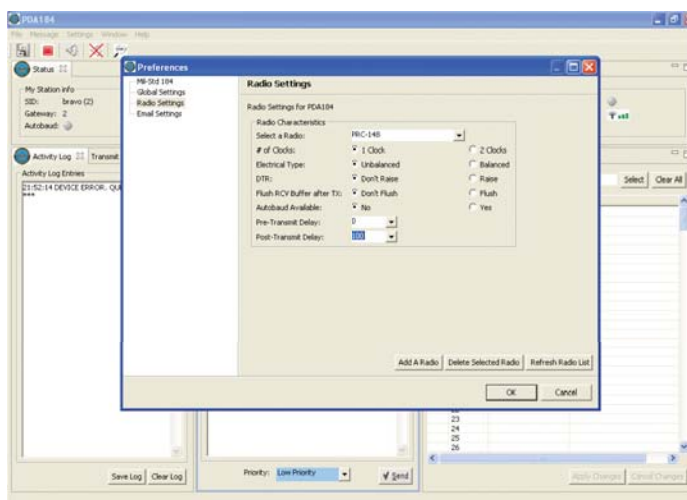
The PDA-184 software is government-developed, government-owned, and is available from DISA as part of this total solution.¹ PDA-184 provides a Graphical User Interface (GUI) that allows radio users to transmit and receive a variety of data types at much higher speeds than is possible with comparable proprietary solutions. The implemented Data Control (DC) waveform enables more reliable data communication by providing data compression, packet communications, and adaptive error-correction processing of user data to allow high-throughput and reliable data transfer even over noisy communication channels.

- Developed and supported by DISA
- Easy to configure GUI
- Transmits and receives data at much higher speeds than with comparable proprietary solutions currently available
- Delivers reliable communication via:
 - Data compression
 - Packet communications
 - Adaptive error correction
- Provides reliable high-throughput data transfer over noisy communication channels
- Designed for use with HF, UHF, VHF, and SATCOM radios and networks
- Versatile enough to be applied to data communication networks that use other wired or wireless transmission media
- Innovative link layer software design for speedy customization
- Quick Installation
 - Few simple steps
 - Automatically installs the necessary files and programs to the target disk

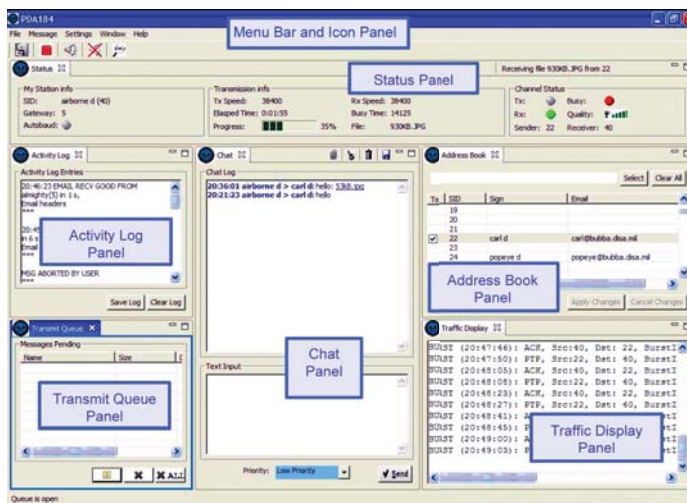
Quick Installation



Simple Configuration



Easy-to-use Interface



¹Able Communications Technology Corporation, under contract to DISA, provides engineering and software development expertise for the PDA-184 Software in addition to supporting the revision of MIL-STD-188-184 along with other UHF SATCOM MIL Standards.

Synchronous Serial Solutions

Sealevel Systems, founded in 1986 and based in Liberty, SC, is an American-owned, small business manufacturer of serial communications, digital I/O and industrial computers. Sealevel currently offers over 300 standard RS-232, RS-422, and RS-485 serial and digital I/O devices for multiple interfaces including USB, Ethernet, PCI, PC/104, PCMCIA, ISA, and serial converters.

With over 20 years experience producing American-made products for military, government, and commercial customers, our forte is using in-house engineering skills to create custom adaptations of our COTS product line for military and government projects.

Sealevel has consistently provided innovative hardware and software products enabling computer connectivity and control to every major U.S. and Allied nations military contractor. From custom board designs to creating platform products, our products are utilized by organizations such as Northrop Grumman, Raytheon, BAE, Boeing, L3, General Dynamics, SPAWAR, NAVAIR and SOCOM.

Our commitment to customer satisfaction is expressed by our ISO 9001:2000 certification and the lifetime warranty that is standard with all Sealevel manufactured I/O products.

Proud to be American owned.
Committed to American made.
Honored to have 20+ years serving the military.



PCI & Low Profile PCI
 Items 5402 and 5104 shown



PC/104 & PCMCIA
 Items 3514 and 3612 shown



**Proud to be American owned.
Committed to American made.
Honored to have 20+ years serving the military.**

SEALEVEL

Sealevel Systems Incorporated ▶ PO Box 830 ▶ Liberty, South Carolina 29657 USA

Tel: 864.843.4343 ▶ Fax: 864.843.3067 ▶ www.sealevel.com

© 2009 Sealevel Systems, Inc.

SL9209-E09