

CODAN RADIO COMMUNICATIONS

STRATUS Fixed Site

For organizations that have fixed site base stations and/ or repeaters, the Codan/Daniels Stratus Fixed Site radio provides the opportunity to remove the dependence on costly leased telco lines and IT connections.

Stratus Fixed Site provides P25 communications backhaul to dispatch over an LTE/3G cellular connection, providing a robust and reliable communications link at a fraction of the cost of leased lines.

Up to four base stations and/or repeaters can be linked to a single Stratus Fixed Site, enabling flexibility in the system configura-

tion and further reduction in monthly costs. The only change required to already installed infrastructure is the addition of a UIC card to the Codan repeater or base station for connection to DFSI.

UPGRADE PATH FOR EXISTING CODAN REPEATERS AND BASE STATIONS

A Stratus Fixed Site can be added to current Codan/Daniels P25 communications infrastructure, instantly reducing ongoing monthly costs. Requiring only 2 rack units of space, the Stratus Fixed Site easily installs into current fixed systems and can easily be

configured using Codan's custom designed software.

- P25 communications over LTE
- Robust cellular connection for up to four base stations and/or repeaters
- IP linking over LTE to P25 DFSI consoles
- Integration with existing infrastructure
- Upgrade path to 4G LTE backhaul interface (with fallback to 3G)

Contact me for more information. Ω



Bird® Channel Power Monitor

Bird's Channel Power Monitor provides you with continuous information on the health of each component of your system.

The Channel Power Monitor is comprised of a 1 RU central processor and a variety of sensors, which work together to monitor all components of a radio system, including each individual radio, the combiner, the feed lines and antenna. These inexpensive sensors are placed throughout the system, with a 5% accuracy that is traceable to NIST

and as reliable as you have come to expect from Bird Technologies.

The Channel Power Monitor hosts its own webpage for setup and display of all measurement parameters. This enables you to access the system from any computer, tablet or phone on your network, only limited by your network security. The webpage displays all measurements and easily allows you to set up alarms for failure conditions such as high or low power or poor antenna VSWR. The

unit includes both software and hard contact alarms and can even be configured to send you an email to alert you to an emergency condition. Also standard, is Data Logging, which takes reliability one step further by enabling you to see degraded performance before it becomes an emergency. Ω



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Pulse - Panther Series Antenna

Pulse Electronics introduces another Panther Series antenna. This one is a roof mount antenna with five connectors, two each for LTE and WLAN and one for GNSS (GPS and GLONASS).

This compact, aesthetically pleasing solution combines ideal radiation perfor-

mance for today's demanding propagation environments with optimum isolation characteristics ensuring highest data rates possible.

The GPSMB501 is a versatile antenna for modern technology equipped vehicles.

Multi-Band/Service

The Panther antenna series is well-suited for Police, Ambulance, Fire and other public safety which may be transmitting camera video and other mission critical information either through the LTE and WLAN channels. Pulse/Larsen antennas are available from your local distributor - Hutton, Talley, TESCO. Ω



**Pulse Panther Series
Supports MIMO
Cellular, MIMO WiFi
And GPS**

Times Protect - LP-SPT Tester

Times Protect is becoming the go to product for lightning protection, replacing the PolyPhaser products from the past. One of the innovations the engineers developed was a way to actually test lightning protection.

The LP-SPT™ RF surge protection tester can test any lightning protection device or component to ensure its proper functioning and capability to protect critical and expensive RF equipment.

Weighing only 16 ounces and powered by two 9 volt batteries, the ruggedized hand-held unit is completely portable making it ideal for field use.

The LP-SPT™ unit has two terminals, N male and N female, to support testing of the most popular in line RF surge protection devices and can easily test surge protectors with any other interfaces by using commonly available RF adaptors. The slim LP-SPT™ unit comes complete with a

heavy duty nylon carrying case, batteries, easy-to-follow instructions and a set of alligator clips to allow testing of other surge protection components

Times Protect provides with each unit a "Test Reference Guide" of acceptable voltage limits for their lightning protection devices. This guide gives the technician a minimum and maximum voltage that allowing them to pass or fail/replace the device under test.

Call for more info. Ω



**Times
Lightning Protection
Tester**

OTTO - Hurricane III Headset

OTTO's Hurricane III headset with SureFire patented EarLock (R) Retention Rings and Noise-Reducing Filters incorporates ground breaking technology from SureFire, a leader in hearing-protection technology. Sounds at safe levels, including speech, are allowed to pass through and

can be clearly heard, while potentially harmful noises are reduced via a proprietary design that incorporates a special Noise-Reducing Filter.

A sliding switch allows the user to control ambient sound level, while preserving situational awareness. In the open position, the fil-

ters allow ambient sounds and conversations to be heard clearly. In high noise environments, closing the switch increases noise blocking effectiveness. Ambient background noise is reduced by 21dB, with up to 40dB of protection against loud noises.

Call for a demo. Ω



**OTTO
Light Weight, Noise
Cancelling Headset**



Power Products - Endura Charger

The Endura TWC2M is a rapid charger that will charge two batteries while on or off the radios. Separate LEDs confirm charge status of battery in front or rear position and replaceable charging pod allows TWC2M to be updated for future use with other radios. The unit also has accessories available for in-vehicle installation.

12 gang Charger Unit

The Endura TWC12M is a rapid charger that will charge twelve batteries while on or off the radios. It has a smaller footprint than most competitive six gang chargers at 20.0 x 5.8 inches. It includes six dual pods that can be configured for a specific radio or six different radio models. Separate LEDs confirm the charge status of the battery for each of the 12 positions.

The Endura TWC2M and

TWC12M units charge Li-Ion, LiPo, NiMH, and NiCd batteries.

Smart charging technology prevents over-charging, while providing automatic recharging when a radio remains powered-on. Dual pods are available for popular radios from Motorola, Kenwood, Harris, Hytera, Icom, Relm, Vertex Standard, and others.

Please give me a call. Ω



**Power Products
2 & 12 Unit
Chargers**

JPS - NXU-2A

The NXU-2A connects communications equipment to a digital network using RoIP (Radio over Internet Protocol) technology. It is intended for use with radio communications, any four-wire device, and JPS products such as the ACU gateways.

The NXU-2A is a general

purpose stand-alone device that interfaces full duplex audio, one RS-232 port and four status bits onto an Ethernet network.

A pair of NXU-2As can form a simple system that creates a transparent communications link between the two. One of a pair of units is set up as the server,

the other as the client. The audio, RS-232, and status bits appear to be simply extended between the server and the client. The NXU-2A offers superior audio quality with a minimal use of network bandwidth.

Contact us today for more information. Ω



**JPS
Network Extension
Unit**

Cadex - C7X00 Series Analyzers

The Cadex C7x00 Series battery analyzers offer a platform that fulfills virtually all battery testing and conditioning needs. With features such as QuickSort™ that checks lithium-ion batteries in 30 seconds, and Boost that revives dead packs, the C7x00 truly masters battery testing.

Slide a battery into one of our 1,500 custom Battery

Adapters, or use a Universal Adapter and you will discover why the C7x00 has become the world's leading battery analyzer.

The C7200 Two-Station suits smaller organizations and storefront operations. 40 watts of charge power at 4 amps per station ensure quick service of larger batteries.

The C7400 Four-Station

with four-stations and 80 watts of charge power, the Cadex C7400 is most economical in terms of cost per station.

The Cadex C7400ER is the most powerful of the C7000 Series battery analyzers. Six amps per station, service of 36 volt batteries and 170 watts of continuous power satisfies most service requirements.

We have demos! Ω



**Cadex
Battery Analyzer**



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 cliff@alster.com

**Find us fast at
www.alster.com**



Cobham - 3920 & 8800 Updates

Cobham AvComm announced the release of new applications for both the 3920 Series and the 8800 Series Radio Test Sets. These updates provide a number of improvements. The full list of updates are listed in the release notes for each product located at.

www.aeroflex.com/3920B and www.aeroflex.com/8800SX.

Updates to the following applications include:

3920B

Option 637 – Harris XL-200P now includes a critical RSSI alignment feature.

8800SX

Option 101 – Kenwood NX has new model identification method to correctly identify various models and

options sets.

Option 102 – Kenwood 5x20 has new model identification method to correctly identify

various models and option sets.

Option 103 – Motorola APX™ application has been modified to fully support the APX

8000 and new APX “B” Model Series.

Option 128 – The license provides the ability to test and align the APX 8000 with Option 103.


Option 129 – The license provides the ability to test and align the APX “B” Series

with Option 103.

Option 104 – Motorola MOTO-TRBO™ has many changes to include more models and corrects an issue

with Rated Volume Alignment on Refresh Model radios.

Option 115 – EF Johnson Viking Series is a new option that includes the VP400, VP600, VP900, VM600, and VM900 Radios. Ω



ACES 2017

Mark your calendars,
 this year ACES will be in
Salem, OR, Tuesday, Oct 3
Issaquah, WA, Wednesday, Oct 4
Anchorage, AK, Thursday, Oct 5