

Alster News



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Cascade Repeater

Codan/Daniels presents Cascade as the next-generation P25 base station/repeater that offers the only integrated system-in-a-box solution on the market. This all-inclusive package features two 100W P25 repeaters mounted inside a 4RU subrack complete with network interface and power supply.

The Cascade repeater brings to the market simulcast and voting systems, P25 trunking systems (Phase 1 and Phase 2 available) as well as a wide range of networked repeater solutions. Featuring a built-in system controller, the Cascade provides voting, simulcast, and P25 trunking net-

work control allowing small-to-medium sized networks to be built without the need for any central controllers. In environments with multiple repeaters, the Cascade provides the ultimate in controlling system redundancy – a key aspect for mission critical LMR systems.

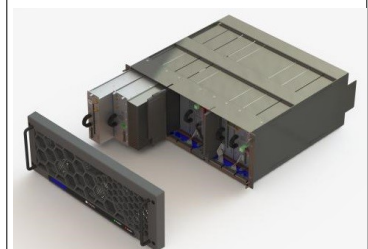
By having a built-in simulcast/voting controller in every repeater, the ability to build networks in an affordable manner has never been easier. Simple and intuitive user interfaces allow for easy initial set up and system maintenance. In the event of a control failure on a single repeater, any one of the remaining

repeaters can take over this control thanks to a mirrored control interface in each of the Cascade repeaters.

The Cascade network interface controller is used to provide network connections between all repeaters, sites and systems. Interface connections employed by Cascade are entirely based on the established P25 standards interfaces including P25 DFSI (Digital Fixed Station Interface), ISSI

(Inter Sub-System Interface) and CSSI (Console Sub-System Interface).

Contact me for more information. Ω



Bird® - Spectrum Analyzer

The SignalHawk™ SH-42S-TC is a new generation of Spectrum Analyzer that offers superb functionality in a small, very affordable package. This highly portable unit fits easily in one hand and offers the user an amazing intuitive user interface. Built upon an Android platform, users will find a high-resolution touch screen with familiar, easy to use, methods for setting up and using the spectrum analyzer. Field engineers, technicians, service provid-

ers and contractors alike have come to trust the efficiency and precision results of SignalHawk.

With a frequency range of 10MHz to 4.2 GHz, easy-to-use, intuitive menus to simplify operation for the occasional or seasoned user, high-resolution, full-color display for indoor or outdoor viewing, 6 hour battery life and more than 2x faster sweep times than the competition.

The SignalHawk™ SH-

42S-TC is priced so that you can buy one of these for each of your technicians and it includes the Bird RF Meter App that allows interoperability with a wide range of Bird sensors. Ω



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Power Products - Endura Charger

ENDURA chargers provide smart Charging Solutions for Two-Way Radio Batteries and come in three models, ECI • ECIM • EC6M. All models charge Li-Ion, LiPo, NiMH, or NiCd batteries based on pod selected. Advanced charging technology prevents overcharging, while providing automatic recharging when a radio remains powered on.

ENDURA provides cold and hot battery monitoring and other important battery

advisements. With replaceable charging pods EC chargers can be updated for future use with other radios.

The Endura ECI features a compact footprint and is ideal for desktop use. The ECI includes charging pod, AC to DC power supply, and user manual.

The Endura ECIM is designed for in-vehicle use and may be powered from a 12V or 24V outlet.

The bracket design allows for mounting on a vertical

or horizontal surface. It includes the charging pod, mounting bracket with adjustable tie-down strap, vehicle power adapter, and user manual.

The Endura EC6M has an ultra-compact footprint. The six charging positions may be configured for a specific radio or six different radio models. The EC6M includes six charging pods, AC-DC power supply, and user manual. Contact me for more information. Ω



Power Products
ENDURA
Chargers

TASC - Peak Monitoring

The TASC Peak is a revolutionary new product that allows you direct information from anywhere in the world.

Peak is the first industrial IoT (Internet of Things) device, and has been designed from the ground up for use in critical systems. Key features includes: Real

Time Alerts & Alarms via email, or SMS; Direct integration with TASC Systems' Cloud Management System – Apex; No on-site host server; Offers Plug-and-Play model for device/sensors, simplifying integration, deployment and management.

Preconfigured and Prewired sensors make

installation quick and simple.

Choose from a large number of pre-certified options in the TASC Systems sensor library, or connect any standard digital or analog input or output to Peak to build your own solution.

Call me for info. Ω



TASC
Site Monitoring

OTTO - OTTO LOC™ Wire Kits

OTTO LOC™ is a flexible modular accessory system designed to meet commercial two-way radio communications needs.

OTTO LOC™ is designed for Retail, Hospitality / Restaurant, Manufacturing / Distribution, Hospitals, Sporting venues, Casinos and any application were

many users share the same radios.

OTTO LOC™ is available with 5 different interchangeable ear piece options allowing each radio user to have their own ear piece. Changing the ear piece without changing the whole wire kit allows for less wear on the radio con-

ductor and alleviates hygiene concerns associated with sharing ear pieces.

OTTO LOC™ comes in one and two wire versions, is competitively priced and has a two-year warranty.

Contact me for more information or a sample wire kit. Ω



OTTO LOC™
One & Two
Wire Kits



JPS - ACU ZI Gateway

The ACU-ZI CCP (Communications Convergence Platform) starts with the capabilities of the JPS flagship ACU-1000/2000 series of radio interoperability gateways and packs in new features. The unit is modular, including an optional backup controller module; highly flexible, with connection capability to all types of voice communications devices, including Smartphones. The ACUZI is fully IP-centric, and possesses significant headroom - ready for the enhancements already loaded into

its product roadmap.

The ACU-ZI has an intuitive browser-based GUI for control and monitoring of the system. Operators can even employ their browsers as mini-dispatch stations, using their computer's sound card to send and receive audio from selected interoperability system endpoints.

This IP-centric nature also allows the companion RSP-Z2 dual channel radio interface unit, as well as additional ACU-ZI gateways, to be integrated via IP into large interoperability

systems, controlled by the highly scalable web-based browser. Creating these wide area systems does not tie up any modules on the controlling ACU-ZI, with all input from these many communications devices coming in via IP to the CPM module through an external Ethernet switch. All sources are interfaced via this external switch, including those of the modules installed in the ACU-ZI chassis itself, rather than duplicating the Ethernet switch function within the chassis.

Call for more info. Ω



**JPS
ACU Z1 CCP
Gateway**

Pulse - Willow Wideband Antenna

The Pulse/Larsen Willow wideband antennas are field tunable from 132-850MHz with an impressive bandwidth of 24 MHz at VHF frequency and increasing to over 300 MHz at the higher bands. They utilize a 1/4 wave structure, with the rugged construction that made Pulse Larsen famous.

These antennas include a

stainless steel spring and optional O-ring or Super-Seal gaskets for maximum waterproofing.

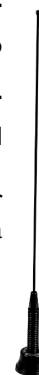
The easy-tune design provides unity gain, long antenna life, reduces wind flow induced noise and survives maximum flexure cycles without degradation.

The Willow antennas are available in two styles:

N M O W B Q C F T
with a chrome whip and spring.

N M O W B Q B F T
with a black whip and spring.

Contact me for more information or a sample. Ω



**Pulse / Larsen
Willow
Wideband
Antenna**

Times - Lightning Protection

The new LP-HBR-U and LP-HBR-N series are the latest additions to the Times-Protect® line of innovative RF lightning and surge protection products.

The LP-HBR-U with UHF and LP-HBR-N with N type connectors are exceptional DC blocked designs with

outstanding surge performance designed for low frequency, high power applications in the 1.8MHz to 100MHz range.

With excellent Insertion Loss and Return Loss performance over the entire operating band and superior surge performance, the LP-

HBR-U and LP-HBR-N families are unequalled. Fully weatherized construction meeting IP67 standard allows for outdoor as well as indoor installation. The LP-HBR series has high power handling capability (2kW average) and will withstand multiple strikes. Contact me today for details. Ω



**Times
LP-HBR Series
Lightning Protection**



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Find us fast at
www.alster.com



Cobham 3920B Software version 3.7.3

Cobham AvComm announced software release version 3.7.3 for the 3920B Series Digital Radio Test Set. Version 3.7.3 has a number of improvements and it is strongly recommended that all units be upgraded to this new version. The 3920 Series requires Version 3.6.0 or above to support updates to automated test scripts. Version 3.7.3 is compatible with all 3920 and 3920B models of the 3920 Series product line.

Improvements:

- Improved performance of Motorola Type II Trunking.
- Corrected an issue in the DMR system that could periodically produce high BER.
- DMR Digital Station ID is now displayed correctly.
- External Audio loads are now saved in stored setups.

Corrected an issue with TETRA DM output level for 3920B model units.

Software Version 3.7.3 includes all the updated Automated Test Applications.

This software upgrade can be performed in the field and is compatible with the 3920 Series, including the 3920 and the 3920B product lines. For all other improvements to the 3920B operation, see the release notes located on the 3920B (www.aeroflex.com/32920B) web page. 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