

# 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 network control allowing small-to-medium sized networks to be built without the need for any central

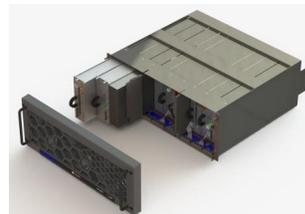
controllers. In environments with multiple repeaters, the Cascade provides the ultimate in controlling system redundancy – a key aspect for mission critical LMR systems.

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 con-

nections 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).

Call me for additional information.  $\Omega$



## Alster Communications

Alster Communications is looking for an independent sales representative to join our Team in Washington State.

The ideal candidate will have excellent organizational and time management skills, along with prior selling experience. Candidates must possess strong communication skills and project a professional image.

Experience with RF Communication is preferred. Important attributes are employment stability, outstanding customer service mindset, strong work ethic and the ability to work independently.

This is a commission based position, the successful candidate must have reliable personal transportation. This position re-

quires overnight travel, including a few regional or national trade shows. Income is commensurate with sales volume generated. Contact Cliff Peck [cliff@alster.com](mailto:cliff@alster.com)  
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### Inside this issue:

<i>Rohn - G Series Tower</i>	2
<i>Cobham - 3550R</i>	2
<i>OTTO - NoizeBarrier™ Earplugs</i>	2
<i>Pulse - Multi-Band Antennas</i>	3
<i>JPS - RSP-Z2 Gateway</i>	3
<i>Times - LP-SPT Tester</i>	3
<i>Power Products - Endura Charger</i>	4



## Rohn G-Series Towers

ROHN's G-Series towers are designed for strength and versatility. The towers are constructed with high strength steel tubing or solid round legs. ROHN's exclusive Zig-Zag solid-rod bracing provides exceptional strength. As they were in the 1950's, each ROHN G-Series tower continues to be hot-dip

galvanized for corrosion protection.

The 25G is a light weight tubular tower with solid braces. The tower sections are most often guyed, but can also be used in bracketed and self-supporting applications. Standard sections are 10' in length, but are also available in a 7' length, which is UPS shippable. This

tower model has several top options, as well as a variety of tower accessories. The 25G has several base options, including: base cast in concrete, base plate with anchor bolts and also a hinged base.

Contact me today for more information or a quote on your next tower. Ω



**Rohn  
G - Series Towers**

## Cobham 3550R Service Monitor

The 3550R is the first truly portable touch-screen radio communication test system. The 3550R takes radio and repeater site testing to the next level with a quantum leap in an easy to use, integrated test system for complete radio receiver and transmitter performance testing, cable fault and antenna system analysis.

With its ultra-responsive

resistive touch-screen, the 3550R brings a whole new experience to RF testing.

With this resistive touch-screen, the 3550R meets the need of users that require the test set to operate under all conditions, whether on the bench or in the field. Perfect for cold or wet weather applications, the 3550R also features a wider operating

range of -20° C to +55° C and MILPRF28800F Class 2 specification for toughness required for extreme conditions.

With integrated RF power, RSSI, frequency error and modulation meters, the 3550R provides complete analysis of AM, FM, P25, DMR (MOTOTRBO), dPMR, and NXDN radio systems. Ω



**Cobham AvComm  
3550R  
Radio Test Set**

## OTTO - NoizeBarrier™ Earplugs

OTTO's NoizeBarrier™ High Definition Electronic Earplugs offer unsurpassed situational awareness and clear communication while also providing hearing protection from loud noises. The dual-mode NoizeBarrier earplugs offer active hearing protection as well as hearing enhancement for extremely effective sound localization and detection.

The noise-isolating eartips

combined with proprietary sound processing electronics produces an earplug that responds to your environment. The earplugs provide normal situational awareness when sound levels are safe, a higher level of protection (up to 15 dB) when there is sustained loud noise, and maximum protection (up to 40 dB) from loud impulse noises. With a simple press on the touch pad, the enhanced hearing

mode provides 5X amplification of soft sounds, while maintaining the impulse noise protection. NoizeBarrier earplugs can be worn all day without the need to remove them to hear.

The earplugs have up to 16 hours of battery life and come with a rugged, waterproof case for earplug storage and charging.

Contact me for more information. Ω



**OTTO's NoizeBarrier™  
High Definition  
Electronic Earplugs**



## PulseLarsen - Multiband Antennas

Whether your need is for antennas for police, utility trucks, ambulances, agricultural or recreational vehicles, public transportation or remote monitoring and control PulseLarsen has your multi-band solution. For over 50 years we have produced vehicular/outdoor ruggedized antennas. Our expertise covers 3G/4G (LTE), WiFi, GPS(GNSS),

ISM, and other Technologies.

For precise navigation our solutions cover all satellite navigation types including GPS, GLONASS, Beidou/Compass, and Galileo. Plus we have products that combine navigation with data transmission for complete telematics requirements. For utility applications we offer extensive ruggedized,

tamper-proof and aesthetically pleasing solutions. Our offering includes antennas with lowest profile, steel mounting studs with steel nuts, UV-Rated plastics and other features to keep idle hands from tampering with the antenna.

Contact us to help determine the best Pulse Multi-band Antenna for your needs Ω



**PulseLarsen  
Razorback Family  
Multiband Antennas**

## JPS - Dual Channel Gateway

The RSP-Z2 incorporates the latest JPS interoperability technology advancements into a small metal package; the result is an incredibly versatile dual channel VoIP-to-analog interface unit. The unit's two analog ports can be cross-connected, creating a local radio-to-radio or radio-to-PSTN patch that can be remotely controlled and monitored, or even patched

to other devices. Incorporating the JPS suite of radio interface algorithms and able to use our large catalog of radio interface cables, the RSP-Z2 embodies all of the customer-friendly features and benefits you've come to expect from JPS. When used in the Remote Extension Mode, the RSP-Z2 essentially acts as a pair of independent "cable extenders," able to transfer

audio plus PTT & COR signals, via IP, from local radio or PSTN sources to other devices. In Stand-Alone Mode the RSP-Z2 can create a local patch between its two analog interfaces (radio-to-radio or radio-to-PSTN). This dynamic patching capability can be controlled and its audio monitored via the unit's web-based graphical user interface. Ω



**JPS  
RSP-Z2  
Dual Channel Gateway**

## 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 function-

ing 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.

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. Ω



**Times  
Lightening Protection  
Tester**



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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. Ω



### New Dates!! ACES 2018

Alster Communications  
 Electronic Showcase!  
 This year ACES will be held in  
**Boise, ID May 8th**  
**Butte, MT May 9th**  
**Spokane, WA May 10th**