



# Alster News



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## Pyramid **New SVR-D300 Repeater**

The SVR-D300 is the next generation simplex vehicular repeater from Pyramid Communications that is fully compliant with the DMR Air Interface (AI) protocol, the ETSI dual time slot communications protocol.

The SVR-D300 also utilizes Pyramid's latest DMR ESP™ priority structure that establishes a priority vehicle to handle on-scene communications. With ESP™, priority vehicles are assigned without user intervention to ensure uninterrupted communications when users exit their vehicles. ESP™

also ensures a quick recovery if two vehicles get in a priority mode at one scene. In addition, the SVR-D300 offers our built-in DMR Smart Trunking protocol, which automates the trunking to the portable radio using our TM-250 series trunking microphones. Supports DMR emergency signaling from portable to dispatch through the SVR-D300 and allows the SVR to relay an emergency with Hot Mic from the portable radio user.

The SVR-D300 is both DMR and Analog capable and can interface to analog

or DMR mobile radios, providing flexible inter-operability between systems that wouldn't normally be able to communicate. The SVR-D300 will interface to analog, digital, conventional or trunked mobiles for a wide range of applications.

In Analog mode, the SVR-D300 is fully compatible with existing SVR-200 and SVR-250 vehicular repeaters to provide seamless integration while users upgrade their systems from analog to DMR digital.

Contact us for more information. Ω



## **TXRX - Compact Combiners**

TX RX Compact Ceramic Combiners feature a sleek, compact form and are available in UHF and 700/800/900 MHz bands. The base configuration is 4 channels with DPM and it can be expanded by 2 channels or 4 channels. 700 MHz and 800 MHz can be combined within the same system i.e. 4 channels 700 MHz and 2 channels 800 MHz. All modules are broad band and symmetrical.

The TX RX line of compact combiners features a compact RU form factor

which includes the integrated frequency selective antenna power monitors (DPM). Each combiner has a base configuration of 4 channels with options for expansion. The Ethernet / SNMP / SYSLOG enabled monitor provides information on forward power, reflected power, antenna VSWR, and heat sink temperature while also allowing for easy factory or field tuning using only the base station radio and a PC. Alarms are generated upon high antenna VSWR and/or

high temperature and are user configured through Ethernet or SNMP.

Contact us today for a quote. Ω



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## 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. Ω



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

## VIAVI-8800SX Service Monitor

The 8800SX expands upon the unprecedented features of the 8800 Series with a 10 MHz external reference and new software capabilities to further speed testing of today's Land Mobile Radio systems.

With its hybrid portable design, the industry's largest color touch-screen display,

ruggedness, internal battery, power accuracy, advanced automated test and alignment, fast VSWR/Return Loss and Cable Fault measurements, the 8800SX offers RF professionals a whole new experience in radio test.

The 8800SX combines the performance and fea-

tures of a bench-level test set with the portability and ruggedness of a field-level instrument. Weighing only 17 lbs (7.71 kg), an internal battery with 2.5+ hour of operation, and rugged 30 G shock rating, now test professionals will no longer compromise portability for critical test features. Ω



**VIAVI 8800SX Service Monitor**

## Power Products - Smart Batteries

Power Products new generation of smart batteries are smarter, keep you better informed, and keep you powered longer. Smart batteries are fully functional with Motorola IMPRES™ 1 and 2 chargers and feature higher capacities. They provide important battery data on the radio display that enables you to manage battery power with sophisticated diagnostics.

Batteries powered by PolyMax HPC LiPo cells are best-in-class products that feature high capacity and these important benefits: They offer longer runtimes compared to other two-way radio battery options and greater cycle life compared to Li-Ion cells (500+ vs. 300). PolyMax cells have significantly lighter weight compared to NiMH batteries with similar capacity.

With a self-discharge rate of less than 5% per month, which is one third that of NiMH batteries. Solid construction and quality fit with radio. They can be charged using Endura, Logic, or OEM chargers designed for Li-Ion batteries. Also including Power Products Extended warranty – 24 months for capacity (80%) and 24 months for materials and workmanship. Ω



**Power Products Smart Batteries**



## Times RodentRepel LMR Cable

Times Microwave Systems has introduced a new series of LMR® cable products which are resistant to rodent damage. The RodentRepel® cable jacket contains a proprietary non-hazardous, non-toxic additive that discourages rodents and other animals from chewing the cable. The additive is environmen-

tally safe and not harmful to humans, birds or animals. The repellent exhibits a scent that animals readily associate with predators and interpret as a danger signal but that is imperceptible to people. Times RodentRepel® coaxial cables also include the LMR® watertight “DB” feature for excellent resistance to wa-

ter ingress and are compatible with all Times connectors, tools and accessories.

**LMR-400-RR-DB**  
LMR-400 watertight, RodentRepel, Black PE jacket  
**LMR-900-RR-DB**  
LMR-900 watertight, RodentRepel, Black PE jacket

Contact us for more information. Ω



**Times Microwave LMR Cable**

## 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 Interoperability RSP-Z2 Dual Channel Gateway**

## Bird— SignalHawk 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, wireless equipment manufacturers, service providers, contractors, tower erectors and military field personnel alike have come to trust the efficiency and precision results of SignalHawk.

**MEASUREMENTS AND FEATURES** Measurement on Channel Power Occu-

ried Bandwidth Adjacent channel power ratio Phase Noise N dB bandwidth Two level Internal Preamplifier standard Android operation system Fully touch screen - support multi-touch operation Light Weight & Small size Long battery life - 6 hours battery operation time.

Contact us for more information. Ω



**Bird SignalHawk Spectrum Analyzer**



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**Register for  
 ACES at: [http://  
 www.alster.com/  
 news-events/](http://www.alster.com/news-events/)**



## ACES - 2019 Training Schedule

The Alster Communications Electronics Showcase (ACES) is a one day training and product showcase put on with the support of the Manufacturers that Alster represents.

We provide 6 technical seminars throughout the day and dedicated time with our Manufacturers to see the latest products available in the Communications industry.

ACES is a great day of

training and networking with your peers in the Industry. We also provide lunch and giveaways all at no cost to our Customers!

Our first ACES of 2019 starts on February 7th in Honolulu, HI!

Please go to:

[http://www.alster.com/  
 news-events/](http://www.alster.com/news-events/)

To register for an ACES near you.



### ACES 2019

Mark your  
 Calendars

**Honolulu, HI**

**February 7th 2019**

**Salem, OR May 7th**

**Tacoma, WA May 8th**

**Anchorage, AK May 9th**