



Alster News



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JPS Interoperability Solutions

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 this mode, the unit behaves similarly to a one or two channel version of the popular JPS NXU-2A and ARA-1 units, but with many additional features such as RTP along with RoIP & SIP, and if desired, a PSTN interface. 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. Audio from this local patch can also be connected to additional radios or other devices interfaced by additional RSP-Z2 units or by a JPS radio interoperability gateway.

Multiple RSP-Z2 units can also function as a wide-area interoperability system. One RSP-Z2 is set to Controller Mode, able to cross-connect any of the radios, PSTN lines, or other devices that are interfaced to the other RSP-Z2s. System operators browse to the Controller unit, which hosts a Graphical User Interface similar to that of the ACU-Z1 gateway and use this GUI to create interoperability nets. Ω



Multiband Antenna

The Pulse Multiband Antenna is a state-of-the-art direct mount multi band antenna. This body mount antenna operates from 698 MHz thru 2700 MHz, including LTE. The antenna is ideal for voice, mobile data, Public Safety, WLAN and asset tracking applications. The rugged, yet aesthetically pleasing design provides UV and IP-65 protection to ensure a long, reliable, maintenance-free life.

The antenna mount can

accommodate up to a 5/8" (16 mm) thick surface. Antennas equipped with GPS have 3 cables to optimally support the different technologies. Wireless voice, data and LTE frequencies are supported by a single low-loss RG-58 cable. WLAN operates on a separate RG-58 cable. The 26 dB gain GPS antenna has its own RG-174 cable. Additional cable configurations, lengths and connector op-

tions are available upon request.

- Single antenna supports multiple applications/ technologies - Eliminates "antenna farm" vehicle appearance
- Separate cables create maximum application flexibility. Ω



Inside this issue:

<i>Bird - Signal Booster II+</i>	2
<i>Times - Lightning Protection</i>	2
<i>OTTO - Revo NC2 Speaker Mic</i>	2
<i>Cobham - Indoor coverage verification</i>	3
<i>Federal Signal - Informer</i>	3
<i>Codan - Stratus Repeater</i>	3
<i>Training Courses</i>	4



Bird - Signal Booster II+

The Bird® Signal Booster II+ provides UHF, 700, 800 and 700/800 Public Safety grade reliability and coverage in disadvantageded RF locations for First Responders, Public Safety and Governmental agencies and Private System Users.

Reliable RF coverage is gained in basements, parking garages, correctional facilities, courthouses, hos-

pitals, malls and schools. Other challenging environments covered by the Signal Booster II+ product include subways and rapid transit systems, airports, stadiums/arenas, high-rise buildings and large private enterprise facilities and campuses.

The SBII+ is a complete redesign of the SBII leveraging decades of experience

for building public safety signal boosters.

Even though this product is smaller and lighter than the SBII, the design offers additional power amplifier protection, the same output power and similar filter options as the SBII while also offering a plethora of software features to provide critical system status information as it happens. Ω



Bird Technologies
Signal Booster II+

Times - Lightning Protection

The new LP-GTV-S series is the latest addition to the Times-Protect® line of innovative RF lightning and surge protection products. The LP-GTV-S with SMA connectors is an exceptional DC pass design with outstanding surge performance characteristics for requirements in the DC to 7000 MHz range. With its low insertion loss and low return loss over the entire

operating band and superior surge performance, the Times-Protect® LP-GTV-S product family is unequalled. Its fully weatherized construction meeting IP67 standard allows for outdoor as well as indoor installation.

The LP-GTV-S series is a broadband design and capable of withstanding multiple strikes. Among the many features of the new LP-GTV

-S series of RF lightning protection products are:

- Bidirectional design
- Outstanding IL/RL characteristics
- DC pass to accommodate power on the center pin
- Broadband multi-strike design
- Fully weatherized housing to IP67 standard

Call for more info. Ω



Times
LP-GTV-S
DC to 7GHz

OTTO - Revo NC2 Speaker Mic

The Revo NC2, is a revolutionary design combined with OTTO's legendary ruggedness to create a new standard of performance in speaker mics.

The Revo NC2 features a high-performance noise canceling design providing industry leading voice clarity and user-friendly features

at a very competitive price, making it ideal for daily use in applications including public safety, industrial environments and rugged high noise conditions.

The Revo NC2 includes an accessory jack for discreet listening with ear-phone kits, a Hi/Lo volume switch and an optional

emergency button. A large PTT design is easy to find by touch even while wearing gloves. The Revo NC2 is fully sealed against water immersion and dust ingress to IP68 standard.

Call for a demo. Ω



OTTO
Revo NC2
Speaker Mic



Cobham - In-Building Mapping

Cobham/Aeroflex is now offering the In-Building NEON® Signal Mapper application.

No GPS Required

This product leverages key parts of TRX's patented NEON Location Service including sensor fusion and mapping algorithms that enable real-time 3D location and mapping within buildings. Signal Mapper's ability to locate and geo-reference users where GPS is not available simplifies and dramatically reduces

the time required for map indoor signal and sensor data.

The NEON Signal Mapper solution automatically geo-references LMR and cellular type data from 3rd party test equipment and sensors. Signal Mapper saves valuable time and money by eliminating the need to manually perform "check-ins" at each test point by automatically calculating indoor location;

Providing vastly more data than is possible with

manual processes by recording data with every step;

Removing typical data recording errors caused by wrong location estimates in large buildings through automatic indoor location and path estimation;

Enabling quick analysis of signal coverage and faster problem resolution by delivering the industry's only geo-referenced 3D visualization.

Call for more info. Ω



**Cobham
In-Building Mapping**

Federal Signal - Informer

Alerting the public of an emergency situation is now easier and more reliable than ever with Federal Signal's Informer Radio receiver. Informers come in either VHF or UHF-band models. Standard units decode DTMF, single-tone, and two-tone sequential signals.

The Informer is capable of generating four separate alarm sounds that can be accompanied by a live voice message.

Informer units include a LED panel that flashes to immediately indicate transmission of an emergency alert. Other features in-

clude a 600-Ohm audio output, dual (N.C./N.O.) relay for external control, built-in diagnostics, and a LED test indicator. Informer units are factory programmed for narrow-band operation and come with a one-year warranty.

Call for more info. Ω



**Federal Signal
Informer**

Codan - Stratus P25 & LTE

The Codan/Daniels Stratus is the first deployable P25/LTE hybrid solution that leverages the strengths of both technologies to provide secure mobile voice networks. With the power of P25 and LTE (3G/4G), Stratus has the mobility of a subscriber unit in a lightweight, easily transportable infrastructure solution, ensuring complete system and

network coverage from any location, whenever you need it.

The Stratus radio system is a self-contained LMR repeater system that can be used to extend the coverage of VHF or UHF radio signals over a large area and is ideal for tactical and emergency situations. However, the power of Stratus

extends far beyond that of a stand-alone repeater or base station. A Stratus radio network accomplishes this by leveraging existing cellular infrastructure and IT technologies to harness their power in the P25 radio communications system.

Contact me for more information. Ω



**Codan
Stratus
Repeater**



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Upcoming Training Courses

Alster Communications is committed to supporting training course for our customers whenever possible. Here is a list of upcoming Lyncole training courses in Alster Territory;

- Lyncole Grounding Courses**
- June 8-9th 2017**
- Helena, MT**
- July 6-7th**
- Vancouver, WA**

Follow the link to register:
<http://www.lyncole.com/Grounding-Courses>

Are you or your customers spending thousands of dollars to repair damage to sensitive electronic equipment due to lightning strikes or

power surges? Industry leaders such as T-Mobile, Motorola, AT&T, PG&E, and NASA send their staff for training at Lyncole's grounding and electrical protection classes. Lyncole instructors have performed 1000s of grounding designs, 100s of facility surveys and dozens of grounding classes. They cover all paths of surges into a facility and how to protect the equipment.

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**