The Sales Group
MANUFACTURERS REPRESENTATIVES

WIRELESS NEWS

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Upcoming Events

Inside this issue:

Freedom's new 8100 RF Test w/removable battery

The R8100 brings an entirely new level of flexibility, power and portability to LMR maintenance. In addition to all of the capability of the industry-standard R8000, it boasts an internal battery, brilliant color-enhanced LCD and MIL-SPEC class 3 shock and vibration rating! These features, along with the R8100's ruggedized carrying handle, spin-knob data entry, headphone jack and multiple language capability all combine to make the R8100 the most powerful, versatile service monitor ever made.

Boasting the same industry-leading spectral purity as the R8000, the R8100 has the following additional features:

- Field-swappable internal battery

- MIL SPEC Class 3 shock & vibration rating   Brilliant, color-enhanced display

- Foreign language Softkeys (French, German & Spanish)

- Headphone jack for use in high noise environments

- Tuning knob useable for data entry

Ruggedized carrying handle

R8100 comes standard with:

- High performance spectrum analzer including proprietary "Dual Display"

- Tracking generator

- Cable fault locator

www.freedomcte.com

Dupont Communications Buildings

Since it was founded in 1982, Dupont Building Inc. has become one of the country's leading manufacturer of fiberglass and metal shelters. Our primary objective is to provide our customers with high quality products at competitive prices and efficient lead times. We at Dupont Building Inc. place high value on customer satisfaction and strive to provide consistent services and products.

Dupont Building Inc. proudly offers its customers indoor manufacturing facilities, climate-controlled infrastructures for production, and calamity-oriented Disaster Recovery Plans. We are committed to providing our customers with their orders regardless of disasters or weather conditions. Our large workforce of qualified and skilled carpenters, electricians, and laborers are dedicated in maintaining the Dupont Building product's trademark durability and reliability. For more than 30 years, we have provided our unique lightweight seamless shelters to numerous customers including the country's aviation industry.

More information at:

Dupontbuilding.com

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Bird Pocket-Sized Antenna & Cable Analyzer

Bird Technologies Low Frequency SiteHawk Antenna and Cable Analyzer covers frequency ranges from 300kHz to 200 MHz and the High Frequency model covers 85MHz to 4GHz. This pocket sized Antenna and Cable Analyzer features an intuitive interface readily accessible to the first time user and minimizes clicks for an expert using it every day. Substantial internal storage eliminates the need to worry about file storage, holding thousands of traces on the device for future analysis or reporting, and comes with a three year warranty.

With the SiteHawk, it is simple to:
- Determine if there is a problem with your cable and antenna system
- Locate the source of the problem with the distance to fault measurement

The unit comes with:
◊   A/C adapter
◊   Hard and Soft case
◊   RF Cable
◊   USB Interface Cable
◊   Battery,
◊   USB drive
◊   Instruction manual

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www.birdrf.com

Bird Technologies®

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Codan/Daniels Stratus Fixed Site

Stratus Fixed Site enables new and existing Codan Base Stations and Repeaters in a fixed configuration to utilise LTE cellular networks for backhaul into dispatch, replacing the need for costly leased lines and T1 connections.

The network interfaces of Stratus Fixed have been optimized to provide a more robust connection over the cellular network ensuring a reliable connection at a fraction of the current costs. The two rack unit Stratus Fixed can connect up to four base stations or repeaters to the cellular network, providing flexibility for system configurations and easy upgrade options.

CODAN
RADIO COMMUNICATIONS

www.codanradio.com

Clear-Com Mission Critical Solutions-Agent-IC

Support and Expand Your Existing Network

Extend your geographic footprint and reach of your radio system with the Eclipse HX Digital Matrix, designed to support the distribution of audio and data signals to thousands of users on a statewide or extended regional radio system.

Mobility via Smartphone & Tablet

The Agent IC mobile intercom panel application allows users with **iOS smartphones, Android** and tablets such as agency and department heads and other key personnel that may not be available locally, to securely access the full capabilities of the Eclipse HX via 3G, 4G and Wi-Fi/IP networks.

When multiple agencies are operating at an incident or disaster, emergency departments heads may need to bring in key individuals who cannot be physically present or are in otherwise inaccessible locations or out of radio coverage. While accessibility features are controlled by the host, the AGENT-IC user has the capability for point-to-point, point-to-multipoint calling, push-to-talk, and can receive notifications. The simple menu-driven user interface can be added to the network in case of a critical incident without extensive training.

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www.clearcom.com

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JPS—ACU Gateway Tech Series

The ACU Tech Series highlights modules and features of the ACU Intelligent Audio Communication Gateways. In this episode the DSP-2 Radio Interface Module.

The **DSP-2 Module** is used in the modular series of ACU Interoperability Gateways, such as the ACU-1000, ACU-2000 and the ACU-T. The DSP-2 module is the Swiss-Army Knife of ACU modules, and it's not only the physical interface for donor radios that are associated with a specific radio channel or talk group, but it also establishes the cross-connection with other disparate radio and telephony systems in the interoperable domain. Features include the ability convert baseband communications from any radio or telephony source and generate Radio Over IP data (RoIP), which can then be delivered over conventional TCP/IP networks to overcome geographical and physical limitations associated with remote communications. This is accomplished using sophisticated Digital Signal Processing (DSP) algorithms that are the heartbeat of many JPS Interoperability Solutions products

DSP-2 Module Features

+300 Manufacturer-Neutral radio interfaces (audio baseband ensures vendor neutrality)

38dB RX/TX Audio Dynamic Range (compensates for unpredictable radio TX/RX characteristics)

300msec of RX Audio Delay (mitigate intrinsic process delays of the donor radio and gateway that can result in the loss of leading syllables)

+800msec of TX Audio Delay (compensates for radio processes, such as Trunking Delays and systematic "handshakes", that can also result in the loss of leading syllables)

Voice Modulation Recognition (VMR detects human speech in the presence of intrinsic radio noise, as in the case of HF and Aviation radio systems. This will help reduce false keying of disparate radio systems in the interoperability domain)

COR Inhibit Time After PTT (mitigates repeater Ping-Pong effects when cross-connected repeaters exhibiting excessive hang time or squelch-tail)

RoIP configurable modes: Peer-to-Peer, Multicast, Pass-Thru, WAIS

5 selectable RoIP audio compression VOCODERS (user selections based on audio fidelity vs. network bandwidth consumption requirements. Rates vary from 13kbps to 64kbps)

Hot-Swappable (no need to interupt ongoing communications when replacing a defective module)

No natively stored configurations (module configuration is stored in non-volatile memory within the parent CPM-x Control Processor Module. This allows for hands-free configuration of swapped modules.

www.jpsinterop.com

JPS Interoperability Solutions