



*The Sales Group* MANUFACTURERS REPRESENTATIVES

# WIRELESS NEWS

www.thesalesgroup.com

Southern CA, Southern NV & Arizona

**Upcoming Events**

**CPRA** Monthly meeting,  
June 18, Santa Barbara

**APCO** National  
Conference and Show,  
August 16-19,  
Washington, DC

**Inside this issue:**

**BIRD TXRX 2**

Duplexers for your  
radio systems are the  
industries BEST

**SEPURA DMR 2**

Digital Radio product  
now available in  
multi-site trunking

**Dupont Building the 3**

industry leader in  
Communications  
Shelters

**RELM BK Radio 3**

Low Band Repeaters  
We are the source for  
Low Band repeaters  
and Base Stations

**ClearCom is 4**

changing the way you  
communicate in the  
Public Safety  
environment

## Covia Labs Alert & Respond™

**Addressing the Need for Secure, Robust, Collaborative, Cost-effective, Ad-hoc Communications Across Agencies.**

**Key capabilities**

- A.** The network is controlled locally and immediately
- B.** The ad hoc network can be formed in a few minutes just by sending out an e-mail or executable to the potential users, and discontinued the same way.
- C.** The devices can talk directly to each other without a tower, as long as they can get coverage from Wi-Fi or other hot spot, or tactical network.
- D.** The software encrypts the devices and apps with FIPS-140-2 certification.
- E.** The Class of Service is locally control who gets the preemption and bandwidth.
- F.** The devices are persistent, if coverage is lost, the devices continue function, and will re-connect when a network is available.
- G.** Voice is transmitted immediately, will wait its turn, and is recorded to verify.
- H.** Situational awareness is available to each device according to its ability

This sophisticated multi-device Connected Application distributes its own code and to run across a wide range of devices to synchronize, mash up and display their shared messages, GPS locations, maps and media. It adapts to the configuration and capabilities of a wide range of commercial mobile phones, video cameras, computers and sensors, and runs them in a predictable fashion, regardless of screen size, operating system, communications protocols or bandwidth constraints.

In addition, it links devices into the Operation networks using a variety of alternative communications paths, including Wi-Fi, Bluetooth, commercial cellular carrier data networks or satellite data. Alert and Respond extends coverage by working in public radio system dead spots and automatically finding new paths through any number of devices and protocols automatically whenever communication failures occur.

The use of commercially available devices, carrier networks and mobile satellite communications systems reduces cost and deployment time, while supplementing existing public safety radio systems with rich collaborative capabilities and extending coverage areas and extending reach to individual consumer's existing mobile phones. Civilians and local leaders can be brought into the network even if they have nothing but standard commercial mobile phones. Smartphones, such as iPhones.

Watch the video at: [www.covialabs.com](http://www.covialabs.com)

## BIRD TXRX Duplexers

More information at: [www.birdrf.com](http://www.birdrf.com)

Bird Technologies manufactures a comprehensive line of duplexers with the critical specifications you require to operate a high performance radio system. Our duplexers provide the transmitter and noise suppression characteristics you need while minimizing the loss to your carriers.

**At high-band VHF and UHF**, the TXRX Vari-Notch design is the most commonly used. Vari-Notch provides a low-loss pseudo-Bandpass characteristic that can exist very close to a deep notch. Proven low-loss and low-noise construction techniques are used such as welded cavity construction, silver-plated loops, as well as a unique fingerstock—free high-conductivity silver-plated tuning probe. Our 4" and 6.625" diameter cavities are constructed of hardened aluminum which, unlike most copper cavities, resists denting and associated de-tuning.



**At 700/800/900 MHz** where there are large guard bands and multiple frequencies per system, the Bandpass duplexer fills the bill nicely. The combine filter design is both low-loss and space-efficient. For duplexing a single repeater, the TX RX Vari-Notch® design is still the product of choice. Vari-Notch® provides a low-loss pseudo-bandpass characteristic that can exist very close to a deep notch. Proven low-loss and low-noise construction techniques are used such as welded cavity construction; silver-plated loops, Alballoy®-plated integrated loop plates and connectors; as well as a unique fingerstock-free high-conductivity silver-plated tuning probe. Our cavities are constructed of hardened aluminum which, unlike most copper cavities, resists denting and detuning.

## SEPURA DMR Radio

Sepura DMR is the solid choice for your **move to digital** mobile radio available in VHF and UHF Frequencies in single site, multi site trunking IP Connect, and Tier 3 multi-site trunking.

**Portable radios** offer outstanding levels of robustness and ruggedness, with their IP67 rating. 1024 Channels, color display, and combined with **1W audio** output and advanced functionality and quality, they meet the demands of users across a broad spectrum of business, and industries.

**Mobile radios** – a sophisticated, fully-featured DMR mobile radio, which offers 1024 channels with advanced functionality, flexibility and robustness. Primarily targeted at users in industrial organizations and other commercial businesses who use their vehicle radios on a daily basis and need these features as standard.

**Repeaters** Featuring up to 45W of power, ease of installation and an impressive array of features and functionality, the repeater is positioned to provide the cornerstone of Sepura DMR networks. Available in **Single Site**, and **Multi-Site IP Connect** supporting up to 16 sites and Tier 3 **Multi-Site Trunking**.

Available from Authorized radio dealers.

**sepura**

[www.sepura.com](http://www.sepura.com)

**DMR**  
DIGITAL MOBILE RADIO ASSOCIATION



## Dupont Building the leader in Communications Shelters

As a leader in the Communications Shelter industry, Dupont Building, Inc is committed to providing the highest quality available in both product and service, with the most competitive pricing structure possible. By manufacturing environmentally sound, non-corrosive fiberglass equipment shelters and supplying auxiliary power systems, Dupont is able to produce an economically priced shelter that provides maximum protection of installed equipment, while being suitable to any environment from Mountain Top to Roof Top.



Exposed aggregate panels

Exposed aggregate panels are available in many colors and textures. These panels, affixed over the fiberglass finish, offer a true exposed aggregate appearance to the shelter.



DUPONT BUILDING INC.

[www.dupontbuilding.com](http://www.dupontbuilding.com)



DUPONT BUILDING INC.

## RELM BK Radio S Series Low Band Repeaters

RELM's S series LOW BAND repeaters and base stations are the only Low Band site equipment available in the US market. Low Band frequencies available in two models, 30-39 MHz and 39-50 MHz Public Safety Grade.

255 channel capacity

Repeats analog transmissions

In-Band or Cross-Band configurations

Programmable External PTT mode in Analog

Flash based software design allows future upgrades for new features

Standard Analog S-Series Series can be upgraded to P25 compliant.

Frequency Stability: 20 PPM for VHF-Low Band (30-50 MHz)

RF power output (Continuous Duty): 50 or 100 Watt models

### Options included

**LZAST03:** Programmable CTCSS/CDCSS Encoder/Decoder

**LZAST08:** VF Audio Delay (Noiseless Mute)

**LZAST13:** Local Speaker and Microphone Input

**LZAST14:** Local 99 Channel Selector

**LZAST15:** N-Type RX Connector (TX N-Type ) **LZAST16:** 1.0 ppm Frequency Stability **LZAST32:** Front Panel adjustable Line I/O levels & Front Panel RS232 port (in parallel w/rear port)



**BK**  
RADIO [www.relm.com](http://www.relm.com)

*The Sales Group*

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Proud Members of



# Clear-Com Changing the way you Communicate

## Eclipse HX Digital Matrix

- Utilize a powerful range of system frames, advanced user control panels and ultrafast configuration software.
- Connect remote staff across the globe by linking frames over IP or fiber.
- Extend communication by interfacing to two-way radios, telephones, two-wire intercoms, T1/E1 circuits and IP networks.



Eclipse HX-Delta

## Wireless Partyline Intercom Systems

- Select the perfect group communication solution from the most extensive range of wireless intercom options.

Varieties include:

- » 1, 2, 4 or 5 channels
- » 1.9 GHz or 2.4 GHz FHSS
- » Portable systems and base stations

- Move freely and communicate clearly with reliable coverage indoors and outdoors.
- Prevent unauthorized individuals from hearing conversations with encrypted audio.



HME DX300

## Clear-Com Gateway Interoperability Platform

- Easily connect and bridge communication systems, such as two-way radios, intercoms, and telephones.
- Take advantage of IP interfacing for Voice over IP (VOIP), Radio over IP (ROIP), and SIP applications.
- Customize system configuration with many types of modules.



CG-X1



CG-X4



Clear-Com, an HME company, is a trusted global provider of professional real-time communications solutions and services since 1968. We innovate market proven technologies that link people together through wired and wireless systems. For over 40 years, Clear-Com has provided professional communications solutions for command & control, training & simulation, and net-centric communications. Clear-Com's partyline, digital matrix, wireless systems, fiber transport and intercom-over-IP conferencing solutions have led the industry with high quality audio performance that meets critical needs in a variety of federal and municipal government operations. Clear-Com continues to be the preferred choice for clear, reliable, and scalable communication solutions for local government operations such as City of Chicago EMS, Illinois State Police and the Houston Metro to federal government operations such as U.S. Disaster Relief Corp, U.S. Customs & Border Protection, NASA, and many more.

*We are on the web*

[www.thesalesgroup.com](http://www.thesalesgroup.com)