



Alster News

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Bird Technologies Has It All

Most everyone knows that Bird started out with a Thru-Line Wattmeter. What you may not know is that Bird now has Antennas, Attenuators, Cavities, Combiners, Duplexers, Power Measurement, Preselectors, Signal Boosters, Terminators, Test Equipment, Triplexers, Tower Top Amplifiers and Wattmeters!

Bird Electronics

Located in Solon, Ohio, Bird develops and sells Attenuators, Power Measurement, Terminators, Test Equipment and Wattmeters.

Their SH-36 Handheld Spectrum Analyzer is their newest products. Having one the 2009 Pick Hit Award, it is a product you

should check out by holding in your own hands.

This valuable piece of test gear is also available in a rack mount and PC version. These give you a lot of flexibility. Let me know if you want to take it for a test drive.

TXRX Systems

Located in Angola, NY, TXRX develops and sells Antennas, Cavities, Com-



Tower Top Amplifier

biners, Duplexers, Preselectors, Signal Boosters, Triplexers and Tower Top Amplifiers.

A Tower Top Amplifier is an important system component in systems above 700 MHz. As the frequency rises, so does the loss of the coaxial cable feedline which connects the receive antenna to the system.

A TTA places a high-performance low-noise Amplifier (InA) as close to the receive antenna as practically possible to minimize feedline loss before amplification. This increase in sensitivity, often in excess of 10 dB, can make up for the imbalance between mobile and handheld users in critical systems. Ω

Grounding Training In Seattle

Lyncole/XIT continues its commitment to education by holding a two-day grounding training school in Seattle!

Mark your calendars for **Thursday/Friday,**

February 18/19, 2010. The location has yet to be determined, but the agenda and cost have been. Your \$995 investment will be repaid by being educated on soil testing and

why 95% of what you know now about testing is invalid. This education will be proven with hands-on field verification to make sure you do the test right the first time. Please review the enclosed form. Ω

Inside this issue:

Avtec - P25 Dispatch Consoles 2

Aeroflex - Upgrade Software To 3.6.4 2

Fiber Optic Link - 2 wire copper to fiber links 2

Relm Wireless - New KNG-P800 Portable 3

Otto Communications - Extends Warranty 3

Larsen Antennas - In-Building Antennas 3

SitePro I - Stocks 1400 Different Components 4



Scout P25 Dispatch Console

The Avtec Scout P25 Dispatch Console System is comprised of Scout Consoles, VPGate™ and End-points such as Avtec's Outpost™.

Each position has Avtec software running on a standard Windows PC that supports touch screen operation and mouse. A separate Media Workstation handles all the audio processing and supports rugged dispatch-grade accessories.

VPGate™

VPGate is a software gateway, typically on a dedicated computer. It is always configured in an N+1 redundant fashion. VPGate uses plug in drivers for different radio, telephone and I/O devices, which are then controlled by Scout.

VPGate supports SIP, P25 DFSI, iDEN, MPT1327, Outpost and other radio control technologies.

Outpost™

Outpost is a solid-state gateway that converts non-IP radio for IP control with Scout. Outpost can be located at a remote radio site and connect to the dispatch office over a WAN or it can reside in the office and remotely control the radio via tone, local control or DC. It also includes RS-232 serial ports.

Call for a demo. Ω



**Avtec Scout
P25 Console**

Aeroflex 3500 Software 3.6.4

The 3500 Handheld Service Monitor by Aeroflex, like its big brother the 3920, is the latest in next generation portable test for advanced professional analog and digital radio communications.

The 3500 sets a new benchmark for quality, ease of use and performance.

One of the main values is the free software upgrade you receive as an owner of this technical marvel.

3.6.4 Upgrade

Go to www.aeroflex.com and look for the free upgrade on the 3500 page. You will find that the VSWR test was updated and that NAC Encode and

Decode has been added to the P25 Functions.

The Analyzer screen now has two markers and the Antenna Cable Test screen has been improved.

Finally, you can now copy and paste set ups from one unit to another!

Call me for more info. Ω

New Free Software from Aeroflex on the 3500. Enhance your service monitor with the 3.6.4 Upgrade

2-Wire Copper to Fiber

The Fiber Optic Link 2 Wire Data system provides 2-wire analog data service up to 9600 bps for AC data transmission services that do not require ringing.

Such service may include 2-wire: On-line modems, SCADA systems, and Audio-tone protective relaying systems.

Scada Systems

The 2 Wire Data System provides a constant transmission path in the VF range. A copper signal is converted to optical, transmitted over fiber optic cable, and converted back into the original copper signal.

The 2 Wire Data CO Card is line powered by a minimum of 18V DC and 18mA. The CO Card is not polarity sensitive to simplex power. It can transmit a maximum of 2 miles on multimode fiber optic cable and 12 miles on single-mode fiber.

Call for more info. Ω



**Two Wire CO Card
From RLH**



Relm Wireless KNG-P800

The KNG-P800 (700 - 800 MHz) is **the** radio of choice. This radio is built to last and loaded with smart features. Its menu system is easy to use and complete with virtually endless options. PC program this radio through USB and clone in just minutes.

Communicates

Communication is essential in the field and on the

streets. Designed with the mission in mind, the P800 is reliable, durable and provides safe communication. It is ideal for government agencies and military personnel who need IP67 submersible rating, protecting against dust and water.

Small / Light

The P800 is small, sleek, solid and meets or exceeds APCO Project 25 specifica-

tions, and comes complete with a customizable keypad, multi-line display and a number of available options.

Long Battery Life

Weighing in at only 16 ounces with battery, the P800 is easy to use and easy to carry. This customizable radio lasts longer than you do, with 18+ hours of battery life. Call for a demonstration. Ω



The KNG-P800
700/800 MHz Portable

Otto Extends Warranty

OTTO products have long stood for excellence in manufacturing. We continue to support that claim today and are pleased to announce:

2 Year Warranty

Effective January 1, 2010, OTTO's standard warranty on all OTTO branded two-way radio accessories has

been extended from fifteen months to twenty-four months.

If product is within warranty period (twenty-four months from date code stamped on product), simply call OTTO to request a warranty replacement. It will ship out immediately if stock is available. Return instructions will then be

provided for the defective product.

Close Out Sale

OTTO is reducing inventory and retiring some products. Contact your dealer or OTTO to see which products are on close out and you can save a bundle.

Call me for a demo. Ω

Otto Communications extends its warranty from 15 months to 24 months

Larsen - Continues GPS Development

Need antenna solutions for your In-Building Wireless Network? Larsen® offers a complete line of antennas for Wi-Fi and Wi-Max applications, providing in-building solutions for WLAN (Wireless Local Area Network), Hotspots and reliable coverage of cellular and PCS networks.

WLAN and Wi-Fi deployment is growing rapidly, and so is the need for advanced technologies.

802.11 Antennas

In response to these demands, Larsen® has developed antenna solutions to cover 802.11 a/b/g as well

as 4.9 GHz while delivering superior electrical performance through efficient signal coverage. Larsen® covers virtually every requirement from the router to complete indoor coverage.

Seeing is believing, let me provide a sample antenna for you to play with. Ω



Larsen In-Building
802.11 Antennas



Tower Components From SitePro I/ Valmont Communications

SitePro I, recently acquired by Valmont Communications, features over 1400 wireless cell tower parts and wireless cell tower components. They have added over 50 new parts and components in the past few months.

These products include a complete line of coax cable runway components, universal wall mounts, tower stand offs, quick seal connection enclosures, coax canopy protection, weld metal kits, rooftop aluminum step over, 3M Heavy Duty Heat Shrink Tubing, Self-Retracting Lifeline, climbing harnesses by MSA and DBI, climbing harnesses by Elk River, lanyards and more for your wireless cell tower and wireless rooftop needs.

Their cell tower parts and components are divided into over 15 cate-

gories for shopping ease: BOOTS & ENTRY PANELS - COAX CABLE RUNWAY - CABLE TOOLS - COAX ACCESSORIES - COAX SUPPORT - EQUIP RACKS - GROUNDING - HARDWARE - ICE BRIDGES - MONOPOLE STEEL - ROOF TOPS - SAFETY - TAPES & CHEMICALS - TOWER STEEL - WALL MOUNTING

ICE BRIDGE PARTS

Ice Bridge category includes 12" and 24" ice bridge kits with or without trapeze, solid bridge components, solid bridge kits, ice bridge components and much more.

SitePro I wireless roof top mounts feature non penetrating roof frames, non penetrating tripods, penetrating roof top mounts and roof top water tank mounts. Our wireless roof top

accessories include but are not limited to Aluminum cable trays, cable tray covers, roof top sleepers, roof top coax kits and more.

ACES 2010

We will be doing it again next year so mark your calendars for the first full week of October, 2010, when we will be in:

Boise, Idaho

Helena, Montana

Spokane, Washington

We will have technical seminars, new products in the exhibit area, a free lunch and lots of door prizes. So, come to learn and have a chance to win. You will enjoy yourself at ACES meeting your colleagues and learning something new. Ω

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