



Alster/News

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LLC

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Raytheon - SNV12 Voter Update

The SNV-12 Signal-and-Noise Voter is a communication device that assures high quality radio signal transmission and retransmission across its network.

The device uses individual digital signal processors to continuously select the receiver with the lowest noise or best signal-to-noise ratio (SNR) from multiple sources. The SNV-12 then provides the "voted" output to a dispatcher and/or to a repeater for retransmission so that all users can hear the best signal, each time they communicate.

Remote Control

Authorized users will now be able to remotely control the SNV-12 Signal-and-Noise Voter operation

via the front panel IP port thanks to an upcoming flash firmware upgrade to the SNV-12 voter's CPM-3 module.

Currently, users can view performance statistics of each voted site in time or counts over a one hour to one week time period. This upcoming upgrade to the CPM-3 module will also allow users connected to the IP port to remotely disable a site, force vote a site, or modify the system transmit configuration. The



**Raytheon
Voter Chassis**

upgrade also provides an important new diagnostic capability: voted and/or transmit audio can now be remotely monitored via the IP connection.

CPM-3 Upgrade

This upcoming upgrade to the CPM-3 module will also allow users connected to the IP port to remotely disable a site, force vote a site, or modify the system transmit configuration. The upgrade also provides an important new diagnostic capability: voted and/or transmit audio can now be remotely monitored via the IP connection.

For pricing on upgrading your CPM-3 modules, just call your local dealer or me for additional literature or information. Ω

Larsen Low Profile Antennas

Need antenna solutions for Public Safety applications?

Larsen® provides a complete line of antennas for wireless communications to assist with Public Safety initiatives. With solutions for security monitoring,

communication interoperability, radio communication, data transmission, cellular/PCS communication and GPS tracking, Larsen® offers antennas from low band all the way to 5.9 GHz for mobile, portable and in-building needs.

Low Profile/Discreet

Find low profile and discreet antennas at the following link: <http://www.larsen-antennas.com/docfiles/ASB8/Matrix/PublicSafetyLPPProductMatrix.pdf>. Ω

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Daniels - Basic to Intelligent

Base Station Radio

A base station is a simple radio system comprised of one fixed radio site (the base station) typically connected to the dispatch center (911 for example) that provides RF communications to portables and mobiles within a jurisdictional area. Daniels radios can be configured for a variety of base station applications in either in analog or P25 digital mode.

Repeater Radio

A repeater is a combination of radios connected in order to pass on or "repeat" incoming signals. A Single Repeater system requires two separate frequencies for the receiver and transmitter and is used wherever greater coverage in a local area is required.

The Single repeater is usually located on a mountain top or tower, re-

transmits any signal received allowing for greater range over ground or between mobile radios that cannot communicate directly due to obstructions.

Satellite Network

A transportable repeater or base station can be interfaced to a satellite telephone system allowing communications to and from any location in the satellite network.

Call for more info. Ω



Daniels Base and Repeater Modules

Otto - Questions/Answers

PTT Buttons

What is the difference between the mini push-to-talk (PTT) button and the larger PTT used on OTTO headsets? OTTO offers two different styles of PTTs to accommodate different applications and radio models. The mini PTT is smaller (1.5") and is de-

signed for hospitality, retail and light industrial applications, and it is rated at a 200,000 cycle life. The larger PTT (2.5") is intended for more demanding applications and is rated at a 500,000 cycle life.

Acoustic Tubes

What is the best way to

clean the acoustic tubes used on surveillance and earphone kits? The best way to clean the tubes is to soak them in warm soapy water. Then clear the water out by blowing air through the tubes and allow to air dry.

Check out their web site for more answers to these kinds of questions. Ω

Two common questions about Otto Communications asked and answered

Aeroflex 3920 - What's Inside?

Inside the 3920 Series P25 Service Monitor is a Pentium based processor coupled with a stable Linux platform. This provides a solid foundation for a powerful systems based test solution capable of addressing many different technologies. Three powerful digital signal proces-

sors can deliver unparalleled performance to address many different test requirements with ease.

Internal 40 GB Drive

An internal 40 GB hard drive provides virtually unlimited storage for user setups, screen shots and test data. Files can be

easily transferred to a USB thumb drive for external storage or processing. Setup files can be easily transferred from one instrument to another.

The latest version of the software is 1.7.5.1. Be sure your 3920 has the latest software by going to www.aeroflex.com Ω



**Aeroflex
3920**



EXFO - AXS-200/650 Triple Play

NEXT (Near End Crosstalk) is defined as noise induced between adjacent pairs at the near-end of the link (i.e., at the end closest to the point of the signal origin). Since this is the point where the outgoing downstream signal is at maximum strength and the incoming upstream signal is at minimum strength—signals can easily couple if the attenuation-to-crosstalk ratio (ACR) is not maintained at

acceptable levels.

Measuring NEXT

NEXT is measured by applying and measuring the signal transfer level at the same end. With the AXS-600 series or the CableSHARK, the PSD Noise test can be used to measure the amount of NEXT. The same could be done at the customer side by moving the unit down to that end.

FEXT (Far End Crosstalk)

is defined as noise induced onto an adjacent pair by a transmitter on the near-end of pair 1 onto the receiver at the far-end of pair 2.

Measuring FEXT

FEXT is measured by applying the disturbing signal on one pair at the near-end and measuring the signal transfer on the disturbed pair at the far-end.

Call for more info. Ω



**EXFO AXS200/650
EtherNet Test Set**

Times SilverLine Test Cables

SilverLine Test Cables from Times Microwave are cost effective, durable, high-performance cable assemblies designed for use in a broad range of test and interconnect applications.

Stainless Connectors

Fabricated from rugged, solid PTFE dielectric cable with stainless steel connec-

tors and a proven strain relief system, these cables provide long life and excellent stability in applications where they are repeatedly flexed and mated/unmated.

Laboratory Ready

SilverLine Test Cables are ideal for use in production, field and laboratory test environments. They

are also economical enough to be used as interconnects in test systems.

Armored Available

SilverLine Test Cables are available in armored and unarmored, up to 26 GHz with stationary or quick disconnect connectors.

Ask for a demo. Ω

Times will repair or replace a SilverLine test cable whose connector attachment fails in the first four months of use

Watson Dispatch Furniture

Synergy - The Best

[Synergy™ Consoles](#) deliver advanced ergonomics, unmatched structural integrity, and industry-best service capabilities. With lives on the line every day, the emergency dispatch environment is no place for inferior equipment or technology. Manufactured

in our Pacific Northwest facilities, it's no wonder Watson Dispatch is the preferred partner to the emergency response industry.

Fusion - Better Price

[Fusion Consoles™](#) modeled after the original Fusion line of ergonomic con-

soles and backed by Watson's industry-best warranty, the line was designed with the same rugged styling and structure that has distinguished Watson Dispatch as the leading communications console provider in its market for over 20 years.

Call for more info. Ω



**Watson Synergy
Center Lift**



Bird Technologies SignalHawk Wins Award

The Radio magazine Pick Hits Awards recognize the 15 best new radio products shown at the NAB convention and are selected by a panel of radio industry professionals. The official Pick Hit rules require that the winning products must fit a recognized need in radio, are priced within reason, are available within the current calendar year and have never before been exhibited at the NAB Convention.

SignalHawk Wins Award

The Bird Technologies/TXRX PC SignalHawk brings a modular approach to spectrum analysis.

It has the same Spectrum Analyzer functionality as their hand held and rack mount units but, as a stand-alone module, it is an ideal solution for field techs who already

carry a laptop with them as standard equipment.

Included with the PC SignalHawk is a Windows software application that moves the display and post-processing to your PC. It also allows the user to perform the same tests and measurements as a full blown spectrum analyzer for thousands less.

The SignalHawk Series is the most user-friendly test solution for installing, maintaining and troubleshooting all segments of RF communication systems.

Please contact Alster Communications, LLC to set up a demonstration of this vital piece of test equipment and award winner. Ω

ACES In October

Mark your calendars for October 6/7/8, 2009. Here are the dates and locations where we will hold ACES:

Tuesday - October 6

Salem, OR

Wednesday - October 7

Issaquah, WA

Thursday - October 8

Anchorage, AK

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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