Alster News

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Bird SiteHawk SK-6000-TC

SK-6000-TC, 1 MHz to 6 GHz SiteHawk Cable and Antenna Analyzer
The SK-6000-TC, RF Analyzer features an intuitive interface and is easy to operate in the field for first-time, occasional and experienced users. Substantial internal storage eliminates the need to worry about file storage, holding thousands of traces on the device for future analysis or reporting.

The FDR (Frequency Domain Reflectometry) measurement method results in a highly reliable assessment of the health of critical components in your system; ultimately providing a "heads-up" before a failure occurs. The Fault location or DTF mode indicates VSWR or Return Loss levels at each point along the cable and antenna system length and the Cable Loss function measures insertion loss of the cable system over a given frequency range. The SiteHawk features a USB communication port for connection to storage device and battery charging and the unit comes with a Three-Year Warranty.
You can also download the free Bird RF Meter App from the Google Play Store and connect the SiteHawk to a large selection of RF power sensors from Bird. Please contact us for more information. Ω

OTTO NoizeBarrier Pro™

New from OTTO Communications the NoizeBarrier Pro is a fully modular tactical communications headset that provides advanced situational awareness capabilities with exceptional sound localization and crystal-clear audio Tx and Rx.

NoizeBarrier™ impulse noise protection reduces sound levels to safe levels of 85dB to prevent hearing disruption. Enhanced hearing amplifies soft sounds that might not normally be heard and boosts hearing while still providing protection. The situational awareness volume control is independent of radio volume.

The NoizeBarrier Pro is field changeable between headband over-the-head and helmet mount systems. With advanced talk-through electronics for situational awareness (SA), it provides exceptional recovery when impulse noises are detected with no delay experienced in hearing allowing the user to continue to hear normal sounds like voices.

NoizeBarrier Pro provides the following features: 5 step volume control • Passive Attenuation: Min 23 dB NRR • Reversible boom • SCBA-compatible connector for gas mask interface • Talk-through powered by two AAA batteries • Powered by radio if batteries depleted • Immersion rated 3 feet/31 minutes.

Contact us today for more information.

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Pyramid - TM-250 Trunking Mic

The TM-250 is Pyramid's solution for users who operate SVR Vehicular Repeaters in conjunction with Trunking mobile radios. All of the Pyramid Communications SVR series Vehicular Repeaters have an integrated Smart Trunking™ protocol, which insures that portable radio users receive the trunking tones from the trunked mobile radio system.

The TM-250 utilizes the enhanced Smart Trunking™ protocol to automate the "double PTT" that is required by the portable radio user in order to access the trunking system on a simplex SVR unit. Because the SVR unit is a simplex device, it does require the user to click the PTT once at the beginning of each transmission to establish a handshake on the trunking mobile radio. The TM-250 eliminates user error by automating this process.

Based on the OTTO Storm™ Series speaker microphone, the TM-250 provides quality and reliability for the most demanding environments. The TM-250 works with most trunking systems. Ω

Pyramid
Trunking Mic

TXRX - 435 Series TTA

435 Series, Mini Tower Top Amplifier System (TTA) is designed to enhance the operation of the base station. The TTA increases receive sensitivity, reduces transmit signal interference and can make all the difference in Mission Critical Communications.

The TTA system consists of two components: the Tower-Top Amplifier mounted close to the antenna and a Receiver Multicoupler base unit. To reduce the size of the TTA and simultaneously provide 120 dB of isolation of a TX carrier, filtering has been split between the TTA and Receive Multicoupler base unit.

The tower mounted unit is housed in a compact light weight, weather resistant enclosure. The internal electronic components are protected from lightning by surge arresters on all RF ports. The system is designed for quick and simple installation.

Industry leading TTA amplifier linearity guarantees superior immunity to intermodulation interference. Ω

TXRX
Tower Top
Amplifier.

JPS - SNV-12 Voter

The SNV-12 uses Digital Signal Processors to continuously monitor multiple remote receiver sites and select the receiver with the best signal quality. A typical application is an LMR system in which mobiles and portables can hear a repeater, but the repeater can't hear them, due to their lower transmit power and/or the antenna size or placement.

Remote receivers can be positioned in the communications dead spots, with audio from each receiver linked to the voter The voter will select the best quality signal from all unsquelched remote receivers and forward this signal to the repeater for rebroadcast or monitor by a dispatcher,

The new SNV-12 IP Backhaul capability is a major advancement, and is backwards compatible with SNV-12 analog voters already deployed. The new SVM-3 module, along with a new QMT-1 unit (for Quality Measurement & Transport) allow the use of IP networks for transport of receive and transmit audio. Ω

JPS
SNV-12 Voter
With IP Backhaul

Codan - Cyclone Repeater

The Cyclone repeater/ base station provides a replacement for the Motorola Quantar® and other legacy equipment frequently installed in land mobile radio communications systems. By integrating the RIC-M technology from Avtec, the Cyclone can be used to leverage the existing v.24 interface that is widely used within the industry.

Many radio sites are equipped with aging and obsoleted legacy repeaters, including the Motorola Quantar®, which use non-P25 Standard interfaces.

Ultimately, users are faced with the need to replace the existing station and until now the only option was to use a next-generation repeater from the same vendor at a significantly higher price.

The Codan Cyclone is a repeater/base station that can replace the Motorola Quantar® and operate with a v.24 interface. An integrated Avtec RIC-M module provides the v.24 interface into the Cyclone by converting an existing v.24 connection to the APCO™ P25 DFSI connection used by the Codan transceiver equipment. If a v.24 interface is not used, the Cyclone has an analog E&M circuit interface that can be used for a simple audio and control interface.

Contact me for more information. Ω

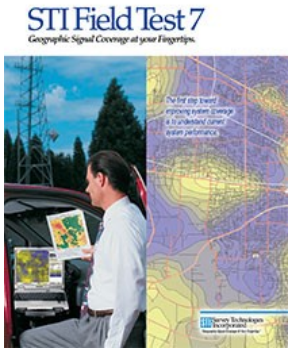
Codan Cyclone Legacy Equipment Replacement

STI - Field Test 7 Software

STI Field Test 7 is automated signal measurement and analysis software that can be interfaced with most signal measurement instruments or RF receivers. STI Field Test 7 includes a GPS receiver, street map data for the entire United States of America and Canada with major highways worldwide, an RF instrument interface/driver, manual and one year warranty, allowing you to integrate your laptop PC and digital radio test set or spectrum analyzer to create a coverage verification system that meets your requirements.

The versatile STI Field Test 7 interface software allows for connection to the proprietary or application-specific receiver of your choice. The types of signal measurements taken are limited only by the capabilities of the RF measurement instrument used. This unique feature ensures a long and useful life for your STI system.

From digital BER, to analog SINAD, and signal strength to modulation fidelity, STI Field Test 7 is the automated field measurement and analysis package to measure mobile communication system coverage and performance. Contact us for more information. Ω



Survey Technologies Coverage Verification

PulseLarsen - Tri Band Antenna

PulseLarsen introduces the new NMO 150/450/758 Tri-Band antenna. This is an Omnidirectional antenna covering the following frequency bands, VHF: 150-174 MHz, UHF: 430-520MHz and 750-870 MHz. It offers a 0/5/4 dBi gain respectively and 100Watt power rating, making the NMO 150/450/758 ideal for the new multi-band radios on the market.

With a flexible spring, the impact resistant antenna has a point of flexure 2.5 inches above the vehicle compared to 9 inches for our competitors. This substantially reduces the potential for damage to the vehicle if there is an impact with the antenna. Please contact us for more information or a sample. Ω

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Register for ACES at: http://www.alster.com/news-events/

ACES - 2019 Training Schedule

The Alster Communications Electronics Showcase (ACES) is a one day training and product showcase put on with the support of the Manufacturers that Alster represents.

We provide 6 technical seminars throughout the day and dedicated time with our Manufacturers to see the latest products available in the Communications industry.

ACES is a great day of training and networking with your peers in the Industry. We also provide lunch and giveaways all at no cost to our Customers!

Our Next ACES of 2019 starts on May 7th!
Please go to:
http://www.alster.com/news-events/
To register for an ACES near you.

ACES 2019

Mark your Calendars

Honolulu, HI
February 7th 2019

Salem, OR May 7th

Tacoma, WA May 8th

Anchorage, AK May 9th