

Alster News

IWCE 2004 - Las Vegas

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- IWCE - List of Alster Factories
- Bird 5012 on display at IWCE with Special pricing on Software or 5000EX Measurement Tool

Alster has been attending some version of the IWCE Show since 1976. It is time again to head to Las Vegas and learn, learn, learn! You know we are going to be very busy. Here is a list of the factories we will support and their booth numbers:

Aeroflex - 7039

Bird - 7051

Honeywell - 5071

Maxrad - 4045

Multiplier - 5045

Otto - 10029

Relm - 8001

SCA - 12034

Survey Tech - 8041

TXRX - 7051

Times - 3005

All five of us will be working booths and walking the exhibit area. If you feel someone grabbing you by the arm and telling you



Alster Team at IWCE 2003

about a great deal, it will probably be us.

If you would like to have a private meeting with any of these companies, please call me so we can set it up.

Specials - New Products

Some of our factories are having specials and introducing new products. We will give you all the information we have in this Newsletter.

Free Exhibit Pass

We have a limited number of free exhibit area passes. If you would like to walk the exhibit area at no charge, please call me. Ω

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Bird 5012 Wideband Power Sensor

The 5012 Wideband Power Sensor (350 MHz to 4 GHz with no elements) measures Average Power, Peak Envelope Power, Burst Width, Crest Factor and VSWR.

This product will be displayed in booth 7051 at IWCE. You can see and play with this wonderful product and buy it at special IWCE pricing.

Your two options are to purchase the 5012 and receive 50% off the

VPM Software (saves \$250.00), or you can buy the 5012 and receive 50% off the 5000EX Power Measurement tool (saves \$447.50). The list price of the 5012 is \$2,200. It is also available through Hutton, Talley and Tessco. If you are unable to attend IWCE, Alster has a demo kit that displays the power of the 5012. Just give me a call and we'll set up the demonstration. Ω



Maxrad - 2.4 GHz Concealed Indoor Antenna

The new Michaelangelo UFOD24003PT ceiling mount antenna is available from Maxrad and their distributors. This diversity, in-building antenna is for Wi-Fi and WLAN applications for 802.11b and 802.11g frequencies.

It is a combination of two ultra flat omni directional antennas installed with a dual stud, above ceiling mount to keep the antenna out of sight in occupied locations.

Featuring 3 dBi of gain, and 25 dB of isolation between the antennas, the UFOD24003PT provides outstanding coverage and reduces RF interference.

It is manufactured with UL94-V0 materials, which provide excellent flame retardant characteristics. It also features UL910 rated Plenum cable that provide added installation

flexibility for a variety of indoor mounting locations.

Michaelangelo Catalog

In addition to this concealed product, Maxrad manufactures several visible and visible/disguise 2.4 - 2.5 GHz antennas for indoor coverage.

These can be found on the Maxrad web page for downloading or on the new 2004 Alster CD-ROM catalog.

First Quarter Specials

Another download from the Maxrad site is the First Quarter Special. Just go to the www.maxrad.com page and download the catalog. Be sure to look at the last page for ordering instructions. Ω



MP24008XFPT - 8 dBi

Relm Dealers Alert - IWCE Special

Relm Wireless announces the RPV599A PLUS. The new model has an alphanumeric, 16 character display, covers 148-174 MHz, has 99 channels, priority channel, CTCSS/DCS, 16 digit ANI, DTMF encode/decode, Two-Tone encode/decode paging, narrow/wide band by channel, field programming and **over the air cloning.**

Buy 5 Get 1 Free

Take advantage of a one time dealer purchase on the new RPV599A PLUS; buy five and get



one free. Please call for a demonstration.

RP516A - RPU416A

Relm dealers can take advantage of incentive pricing on the 16 channel VHF (RP516A) or UHF (RPU416A) through April 30, 2004.

This program offers large volume discounts for small volume purchases. There is a Memorandum of Understanding to sign, so please give me a call to discuss the program. As always, demo radios are available. Ω

Relm Wireless is offering two specials on the RP series radios; buy five of the RPV599A PLUS and get one free

Aeroflex Signs MOU with Trident for Passport

Aeroflex signed a Memorandum of Understanding with Trident Micro Systems in December. This agreement will allow Aeroflex to incorporate the Passport protocol into the IFR2975 radio test set.

Digital Box Gets Better

The 2975, Project 25, APCO-25, digital service monitor just keeps getting better. Passport is an advanced trunking protocol to provide system operators with maximum flexibility and efficiency with wide are

trunked networking by utilizing sub-audible signaling.

This agreement gives the 2975 the ability to maintain today's analog trunking protocol while maintaining the most advanced digital trunking systems.

Test Before You Buy

2975 owners can test any option for 30-days before purchase to verify the need of the option. Please call me for a demonstration or quotation of the 2975. Ω



2975 with Passport

TXRX Now Selling Signal Booster II

The new booster provides Public Safety grade reliability and coverage in disadvantaged RF locations. Imbedded features include decoupled test points, menu driven gain setting, front panel LED monitors for amplifiers and power status, and at-a-glance LED bar graph indicating relative Output Level Control (OLC).

First available in UHF and 800 MHz, this new booster will set the market standard in three major gain ranges: +45 dB, +60 dB and +80 dB maximum system gain. It will have Fault and Alarm monitoring, card-cage modularity, high performance bandpass filters, and no tools required set up. DC backup interface

accepts +24 to +30 vdc.

What Makes Our Better

What makes the TXRX Booster II better than our competition is: our attack/delay time is 1 ms compared to 25 ms; our noise figure is 3.5 dB compared to 8 dB; our 3rd order output intercept is +55 dB compared to +47 dB; our maximum power per channel is +22 dB compared to +18 dB; our operating temperature is -30 to +50 C compared to -10 to +50 C; finally, our maximum input is 0 dBm compared to -12 dBm.

The Signal Booster II will out perform the competition. See it at IWCE or call me for more info. Ω



TXRX Booster II

Survey Technologies - RF Mapping Made Easy

Survey Technologies, is a local Beaverton, Oregon company, and has designed RF field measurement software to improve and automate the acquisition, analysis and display of signal strength across a given terrain.

Founded in 1991, they installed their early software in major companies who needed to verify coverage. Through experience, they improved their software and now offer the Field Test 4 Software and the STI-9400 and STI-9450 mobile signal measurement and coverage analysis systems.

The STI-9400 series systems incorpo-

rate GPS technology to fully automate drive test measurement, analysis and report of RF signal coverage across geography.

Indoor Measurement

Recently, STI has expanded the drive-test measurement concept to include indoor measurement and analysis for applications where GPS is not available.

Survey Technologies provides a functioning demonstration CDROM that allows you to play with the real program. Please call me for a copy. Ω

*Indoor or Outdoor
RF Signal
Measurement Test
tool with complete
printable readouts
and information*

BK Relm Service Bulletin #1020

BK Relm announces a firmware update to balance receiver audio levels between analog and digital mode.

Not Critical

This upgrade is not critical to radio operation. It is a convenience Upgrade.

Flashable Upgrade

The upgrade is flashable. All you need to do is download the program to your computer, then flash upgrade your portables.

www.relm.com

Relm Wireless recommends that owners of DPH, P-25 digital portable radios with a serial number below 0406001 go their web site, www.relm.com to download the program.

You will find other Service Bulletins and downloads on the web site. If you have any questions, please call the factory or me and we will answer your questions. Ω



DPH Upgrade



Air Conditioners That Run on DC? Yes!

DC Airco, Vancouver, B.C., makes Primary or Back-up Cooling that runs on 12, 24 or 48 vdc. These high efficiency units cool electronic equipment, prevent equipment failure and operate during a loss of AC power.

up to 6 - 8 hours without charging.

You can use the rooftop unit to provide inside the shelter for spot cooling, where excessive heat is a problem. Running independently from other air conditioners, it keeps its portion of the shelter at the right temperature.

Watts Your Pleasure?

You can choose from 4,000 BTUH (1,200 watts) or 10,000 BTUH (3,000 watts) in a wall mount unit. Or you can get 4,400 BTUH (1,300 watts) or 9,000 BTUH (2,650 watts) in a rooftop unit.

Please call me for additional information.

ACES 2004

Our ACES locations have been set:

Boise, ID - Monday, October 4

Helena, MT - Wednesday, October 6

Spokane, WA - Thursday, October 7

ACES will be coming to Hawaii in 2005. Ω

More Efficient

The DC Airco units are up to three times more efficient than their AC competitors. Under normal conditions, DC Airco units run



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