



Alster News



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CODAN RADIO COMMUNICATIONS

Cyclone Repeater

The Codan/Daniels LMR Cyclone Repeater is the industries first for a drop-in replacement platform for existing conventional radio repeaters and base stations. Cyclone is based on the very successful MT-4E repeater.

The Cyclone not only replaces outdated and aging equipment, but it provides a long term solution allowing customers an extended life to their existing base networks. As a cost effective solution, Cyclone will prove to be a valuable alternative for companies seeking to update their current repeater systems without having to completely overhaul their existing infrastructure.

By utilizing P25 Digital

Fixed Station Interface that connects P25 stations, via IP to consoles or other radio networks, the Cyclone enables future migration to a P25 standards-based network with "backhaul over Ethernet."

Reduces Cost

In turn it reduces the need for costly leased lines and T1 connections. With IP networking Cyclone provides true secured enhanced capabilities for any site locations with a provided IP connection.

Codan continues to step up its game by focusing not only in terms of technical design, but functionality as well.

Cyclone's dimensions are identical to existing legacy

stations making their replacement very easy and simple. To replace legacy stations one simply disconnects and removes the previous unit then inserts Codan's Cyclone in it's place making it the first drop-in replacement platform.

Once reconnection and power is on, Cyclone will provide the same productivity as the previous model and more.

VHF/UHF/700/800/900

Available in VHF, UHF and 700/800/900 MHz, Codan's Cyclone is a repeater/base station designed for the ever-changing world of communication technology in the Public Safety realm.

Please call for more info or pricing. Ω



VIA Push-To-Talk

The JPS VIA Push-to-Talk over cellular application, integrated with ACU radio interoperability gateways, provides our customers a major expansion in communications capabilities. Also, hardware costs drop when access to radio channels can be provided by cellular devices to personnel who need access, but don't require all features available to handheld radios.

Additional benefits include the ability to set up

ancillary Smartphone talk groups to reduce traffic on vital radio channels during a major incident, plus the extension of communications into areas with poor radio coverage, such as in a parking garage, or to supervisors traveling outside the coverage area.

JPS VIA is offered as a hosted service running on commercial 3G/4G/LTE/WiFi networks.

Customers simply purchase the service through JPS and

download the application to their Smartphones from the JPS Android or JPS Apple App Store. A monthly service fee is charged per mobile device used.

JPS VIA offers ESChat's full and very extensive feature set, and JPS will be also be rolling out new features that more tightly integrate the JPS VIA application with ACU gateways, bringing increased awareness and control to all users of the combined system. Ω

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Bird - 4043 Power Sensor

The Bird 4043 Series Directional Power Sensors are digital power sensors designed for use with the Bird Channel Power Monitor (CPM). The 4043 Directional Power Sensor provides both forward and reflected composite power measurements with +/-5% of full scale accuracy, at forward power levels of up to 500 watts and reflected power up to 50 watts, it is also NIST traceable. This sensor is intended for use

at the transmit combiner output, in order to provide both composite output from the combiner power, as well as antenna VSWR information.

The Channel Power Monitor is comprised of a I RU central processor that works with the 4043 sensor to monitor the radio system. The Channel Power Monitor hosts its own webpage for setup and display of all measurement parameters. This enables

you to access the system from any computer, tablet or phone on your network, only limited by your network security. The webpage displays all measurements and easily allows you to set up alarms for failure conditions such as high or low power or poor antenna VSWR. The unit includes both software and hard contact alarms and can even be configured to send you an email to alert you to an emergency condition. Ω



Bird Technologies
Directional
Power Sensor

Pulse - LTE Multiband Antenna

The Pulse GPSDM 700/2500 is a state-of-the-art direct mount multi-band antenna. This body mount antenna operates from 698 thru 2700 MHz, including LTE. The antenna is ideal for voice, mobile data, Public Safety, WLAN and asset tracking applications. The rugged, yet aesthetically

pleasing design provides UV and IP-65 protection to ensure a long, reliable, maintenance-free life.

The antenna mount can accommodate up to a 5/8" (16 mm) thick surface. Antennas equipped with GPS have 3 cables to optimally support the different technologies. Wireless

voice, data and LTE frequencies are supported by a single low-loss RG-58 cable. WLAN operates on a separate RG-58 cable. The 26 dB gain GPS antenna has its own RG-174 cable. Additional cable configurations, lengths and connector options are available upon request. Ω



Pulse
LTE Multiband /
Active GPS
Antenna

Times Protect - LP-SPT Tester

The LP-SPT™ RF surge protection tester can test any lightning protection device or component to ensure its proper functioning and capability to protect critical and expensive RF equipment. Weighing only 16 ounces and powered by two 9 volt batteries, the ruggedized hand-held unit is completely portable making it ideal for field use.

The LP-SPT™ unit has two terminals, N male and N female, to support testing of the most popular in line RF surge protection devices and can easily test surge protectors with any other interfaces by using commonly available RF adaptors. The slim LP-SPT™ unit comes complete with a heavy duty nylon carrying case, batteries, easy-to-

follow instructions and a set of alligator clips to allow testing of other surge protection components such as MOV's, diodes and gas tubes.

Times Protect provide with each unit a "Test Reference Guide" of acceptable voltage limits for their lightning protection devices.

Call for more info. Ω



Times
Surge Protection Tester



OTTO - Hurricane III Headset

The Hurricane III headset with patented SureFire Ear-Lock® Retention Rings and Noise-Reducing Filters incorporates ground breaking technology from SureFire, a leader in hearing-protection technology.

Sounds at safe levels, including speech, are allowed to pass through and can be clearly heard, while potentially harmful noises are reduced via a proprietary

design that incorporates a special Noise-Reducing Filter.

A unique switch on the filters enables the user to control the amount of ambient noise that passes into the ear. In the open position, the Noise-Reducing Filters allow ambient sounds and conversations to be heard clearly. In very high noise environments, placing the switch in the

closed position increases the noise blocking effectiveness.

The OTTO Hurricane III with SureFire's Patented EarLock® Retention Rings and Noise-Reducing Filters balances excellent noise reduction with the ability to hear ambient sounds or conversations, all while maintaining clear radio communication.

Call for more info. Ω



**OTTO
Hurricane III**

Cobham - 3550R Service Monitor

The 3550R is the first truly portable touch-screen radio communication test system. The 3550R takes radio and repeater site testing to the next level with a quantum leap in an easy to use, integrated test system for complete radio receiver and transmitter performance testing, cable fault and antenna system analysis.

With its ultra-responsive resistive touch-screen, the 3550R brings a whole new

experience to RF testing.

With this resistive touch-screen, the 3550R meets the need of users that require the test set to operate under all conditions, whether on the bench or in the field. Perfect for cold or wet weather applications, the 3550R also features a wider operating range of -20° C to +55° C and MILPRF2880F Class 2 specification for toughness required for extreme condi-

tions.

With integrated RF power, RSSI, frequency error and modulation meters, the 3550R provides complete analysis of AM, FM, P25, DMR (MOTOTRBO), dPMR, and NXDN radio systems.

Exclusive, easy to read color coded meters allow for fast "Go, No-Go" testing at a glance. It's so simple to set up and use!

Call for more info. Ω



**Cobham
3550R**

Pyramid - WM - 1000 Mic

The WM-1000 is a state of the art spread spectrum unlicensed radio system that provides extended coverage for mobile radio users. This portable radio system integrates with your existing mobile radio to give users handheld coverage when outside of their vehicle. With no license required, the WM-1000 offers

easy implementation when compared to traditional SVR vehicular repeater systems.

The WM-1000 System can be configured to operate in several modes, allowing seamless group communications with dispatch from one or more WM-1000 handheld units or private communications between

dispatch and one WM-1000. If you work together with other users on a regular basis, and multiple WM-1000 handheld units are paired on the same channel and address, the system will operate in group mode. The WB-1000 base units work to establish one priority vehicle on the scene to handle traffic. Ω



**Pyramid
WM-1000
Wireless Mic**



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Upcoming Training Courses



Are you or your customers spending thousands of dollars to repair damage to sensitive electronic equipment due to lightning strikes or power surges? Industry leaders such as T-Mobile, Motorola, AT&T, PG&E, and NASA send their staff for training at Lyncole's grounding and electrical protection classes. Lyncole instructors have performed 1000s of grounding designs, 100s of facility surveys and dozens of grounding classes. They cover all paths of surges into a facility and how to protect the equipment.

Ω

Alster Communications is committed to supporting training course for our customers whenever possible. Here is a list of upcoming Lyncole training courses in Alster Territory;

- Lyncole Grounding Courses**
- June 8-9th 2017**
- Helena, MT**
- July 6-7th**
- Vancouver, WA**

Follow the link to register:
<http://www.lyncole.com/Grounding-Courses>



ACES 2017

Mark your calendars, this year ACES will be in

Salem, OR,
 Tuesday, Oct 3

Issaquah, WA,
 Wednesday, Oct 4

Anchorage, AK,
 Thursday, Oct 5