

Radio o[®]

THE RADIO TECHNOLOGY LEADER

2011 Product Source

A SUPPLEMENT TO RADIO MAGAZINE



www.enco.com

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Upgrade to **Presenter** Now and We'll Convert Your Audio For Free!
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Presenter
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Simplicity Made Smarter



Pilot LOGITEK

DIGITAL CONSOLE

Less than a decade ago building infrastructure at even the most modest radio facility was difficult and costly. Today, AoIP is making it possible to replace miles of cables and closed systems with routers that use standardized network protocols. The **JetStream Mini** brings you the benefits of this new technology, and nothing is easier to use, faster, or less expensive. Add a **Pilot** control surface that includes the basic operating features your staff will need and you have the most cost effective AoIP networked audio system available.

The Pilot is easy on the eye and the budget and like the JetStream Mini, Logitek has built it with ease of use and durability in mind. The Pilot is a tabletop control surface that includes all of the basic engineering features your staff will need- and more- including 4 Program busses, 3 monitor sections and 24 mix minus busses. It is available in frame sizes for 6 to 24 faders.



JetStream MINI IP Audio Networking System

Looking for lots of power in a small footprint? The JetStream Mini lets you load up to 64 channels of I/O into a 2 rack unit and the Pilot will service even the most constrained spaces with ease. Configure your system with microphone inputs and analog/digital I/O to suit your specific needs; our use of standardized IP protocols ensures advanced AoIP networking with fast and easy setup... all for a price that won't break the bank.

GIVING YOU THE TOOLS TO CREATE GREAT RADIO



iMediaTouch
Radio Automation Software

Please visit us at the 2011 NAB Radio Show in Chicago – Booth 711



Scan our QR code to see a live video of iMediaTouch today.

For more information please contact our sales department
at 888-665-0501 or via email at sales@imediataouch.com



2011 Product Source

The Source for New Products

You're a technology professional. You rely on the latest technology to do your job and to keep your stations at their peak. You're always on the lookout for the right technology for the job. So are we.

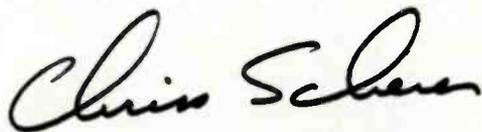
At *Radio* magazine, we are on a constant quest to find new tools and new products to help you make great radio. We bring them to you in each monthly issue. We cover them in our twice-monthly New Products Extra email newsletter. And each year we assemble this compendium of the latest new products for our annual Product Source.

This issue is packed with new products. While many debuted at the 2011 NAB Show, we discovered others by looking outside the traditional broadcasting connections and into the pro audio and IT channels. Regardless of where it came from, everything in this special issue fills a need in radio.

We have gathered some products into special sections as well. These products fit unique needs outside the studio facility.

You'll also find everything in this issue posted at our website for easy reference: RadioMagOnline.com. Use the QR code below to quickly access the index from your mobile device and you can take it all with you.

What you find within is an extensive mix of new products and services, but we know there's always more. If you have found an interesting device, product or service, tell us about it. Like you, we want to know about the latest new technology, and we want to share it with our readers.



— Chriss Scherer, editor



Take new products with you on the go. Just scan this QR Code with your smartphone.

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Studio furniture Graham Studios

Radius Curve: Featuring robust 6mm "Waterfall" table top trim, with 3mm PVC trim on vertical panels, Radius Curve has more seating options with the addition of a new smaller utility cabinet and three adjustable metal legs. The multiple interview and co-host areas are created with radius cuts of as much as 180 inches. These large curves are integral to the basic table top and add to the overall appearance of the studio. Radius Curve is available in stand-up or sit-down in 12 configurations that can be modified to suit. All configurations are shipped flat pack or fully assembled.

970-225-1956; www.graham-studios.com; rod@graham-studios.com

IP transmission system WorldCast Systems

APT SmartIP with SureStream:

Part of the SmartIP suite of IP techniques and features, APT SureStream enables delivery of broadcast-grade audio quality over cost-effective, public ADSL or wireless links. SureStream uses inexpensive IP links such as wireless 3G and 4G IP networks, LAN, WAN, Wi-Fi and simple ADSL. A combination of these can be used for increased redundancy. SureStream does not alter the audio to ensure continuity of service, nor does it switch between links depending upon performance, but rather it uses resequencing technology to seamlessly stream high-quality audio.

305-249-3110; www.aptcodes.com
ussales@worldcastsystems.com



UPS system Middle Atlantic Products

UPS-2200R-81P: This line of UPS systems provides true individual outlet control, both remotely via RS-232 and IP, and locally using Middle Atlantic Power Manager, a Web-based interface for local monitoring and control. The system allows users to control each of the eight outlets independently, allowing users to restrict unauthorized use of outlets for additional security, and when integrated with a control system via RS-232, can support up to eight-stage sequencing in any combination, with any delay; no separate sequencer is necessary. The UPS also features Pure Sine Wave technology, integration with AV control systems and a unique sliding rear rackrail mount. The easy installation functionality of the UPS simplifies rack integration.

973-839-1011; www.middleatlantic.com; sales@middleatlantic.com

ACCESS IP Codecs Make Remotes as Simple as 1-2-3-4G!

4G Wireless Technology has completely changed the game for remote broadcasts. 4G services offer lots of bandwidth, low delay and incredible performance improvements over 3G. And now, Comrex makes it super easy for you to utilize 4G with no external routers, no difficult configuration... just plug-and-play, **4G Simplicity**.

- 1) Buy a pair of **ACCESS IP Codecs** and you'll get a pair of **BRIC-TS Licenses FREE** (a \$500 Value). BRIC-TS makes it easy for your codecs to connect even when they are behind routers and firewalls. Comrex will create your BRIC-TS Account and configure your codecs before they ship.
- 2) Obtain a 4G account and 4G USB modem* from your favorite wireless provider.
- 3) Connect an **ACCESS** codec to your studio's Internet connection (no static IP required). Connect your 4G USB device to your **ACCESS** codec in the field.
- 4G) Look for your "Studio" icon * to appear on your "Remote" unit. Then Select and Connect and you're on the air!

*To see a list of supported 4G USB modems and complete promo details, go to: <http://www.comrex.com/promo>

Or scan the QR code with your Smart Phone:



UPGRADE YOUR ACCESS CLASSIC TO SUPPORT 4G – FREE!

Your ACCESS Classic can be upgraded for 4G support... absolutely FREE! Just update your firmware to the latest version, available on our website:
<http://www.comrex.com/support/products/access.html>

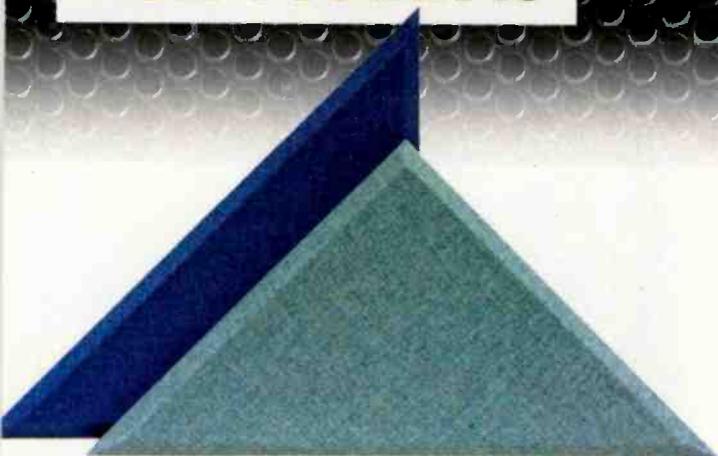


IP • 3G • Wi Fi • 4G • BGAN / VSAT • PSTN • DSL

ACCESS
2USB

50 years
COMREX
ESTABLISHED 1961

New Products



Acoustic panels Acoustics First

Sonora Series: These acoustical panels absorb sound to dry up echo and reverberation. The sound gets lost in the landscape of acoustical fibers to improve speech intelligibility and silence room overtones. Removing the excess sound of the room improves the ability of broadcast equipment to efficiently produce crystal clear sound over the airwaves. Sonora panels mount to the walls or can be configured as ceiling tiles, baffles or clouds. Available in many standard sizes and colors, they can also be custom cut to meet specific requirements or shaped to create designs and accentuate room decor.

888-765-2900; www.acousticsfirst.com; info@acousticsfirst.com

Network audio interfaces AudioScience

Connect CobraNet: This series has 12 pre-configured devices for the most popular I/O combinations. These networked audio interfaces are built in a 1RU format and provide up to 16 channels of CobraNet receive and transmit. These units feature a Texas Instruments 32-bit floating point DSP that allows sophisticated switching/mixing. A graphics display on the unit's front panel shows peak meters and CobraNet status. AudioScience provides application software that may be used to set up all the Connect Series units. ASIControl sets up all internal features of the unit and allows CobraNet routing connections to be set up between the Connect Series units and any other CobraNet device on the network.

302-324-5333; www.audioscience.com; sales@audioscience.com

Stereo audio monitor Henry Engineering

SAM: A digital/analog stereo level and phase meter, SAM uses single stereo display technology to display both channels of a stereo audio signal using one LED meter. The display utilizes tri-color LEDs, showing the left channel in green, the right channel in red, and both (L+R) channels displayed in yellow. By watching the display, an observer can easily read the levels of both audio channels, see the balance between the channels, and instantly see if a channel is missing. SAM uses a second single stereo display to show the sum (L+R) and difference (L-R) components of a stereo signal. An observer can instantly see if excessive L-R levels could



indicate phase error or a polarity reversal in the audio chain. The meter accepts either an AES/EBU digital input or analog inputs. It accurately indicates system levels over a range of -25 to +3 VU. A headphone jack is provided for aural monitoring.

626-355-3656; www.henryeng.com; info@henryeng.com



AOIP console Axia Audio

Radius: A compact networked mixing console with four stereo buses, eight faders, 16 audio I/O ports and an Ethernet switch with Gigabit, Radius features automatic mix-minus for every fader. Other features include: talkback, networkable, four GPIO machine-control ports, four instant-recall Show Profile snapshots, record mode with one-touch recording, monitor controls for an adjacent studio, fan-free mixing engine, and desktop mount. Additionally, Radius has switchable VU/PPM LED bar graph meters, 100mm conductive plastic faders, aircraft-quality switches with LED lighting, onboard NTP-capable clock, event timer and high-resolution OLED readouts on each fader strip.

216-241-7225; www.axiaaudio.com; inquiry@axiaaudio.com



Digital FM/HD exciter Continental Electronics

802E, 802Ex: The 802E FM digital exciter is the base system for the 802Ex FM/HD Radio exciter. The 802E incorporates the basic spectrum readings and display and can easily be field upgraded for IBOC with the addition of the CEC Exgine card, iBiquity software and an 800EXP Embedded Exporter. Software features of the 802Ex include Continental's exclusive Insight HD Radio performance monitoring system, which shows spectral, constellation, filter and adaptive precorrection performance. Standard in the 802Ex exciter is Continental's fully adaptive, real-time forward precorrection, allowing changes in transmitter or RF system performance to be automatically sensed and corrected; software-selectable HD Radio power levels of -20dB, -10dB or any power level in between; hi-res color LCD screen for maximum clarity and accuracy; built-in stereo generator; built-in audio delay (up to 16.4 seconds); synchronization using GPS 10MHz signal; multiple AES3 digital audio inputs; AES3 audio output; standard composite input and two baseband SCA inputs.



800-733-5011; www.contelec.com; sales@contelec.com



THE BROADCASTER'S SECRET PLAYBOOK

THE REMOTEMIX 4 PUTS THE GAME ON THE LINE AND COORDINATES YOUR TEAM FOR THE ULTIMATE COVERAGE

RemoteMix 4 combines a four channel field mixer with a four channel headphone amplifier to give you the ultimate front end to your POTS, ISDN or IP CODEC. Just connect RemoteMix 4 to the send and receive jacks of your CODEC and you're on the air. Our four telecom interfaces provide plenty of backup for transmission, monitoring, and station cues. Easy to set up, yet flexible enough to accommodate your individual demands.

Plus...IT SOUNDS GREAT! The RemoteMix 4's Master XLR Output (pre-limiter) provides full range

audio, while a soft limiter prevents overdriving the phone line interfaces. For that extra "kick", Bass Boost increases the low end before sending it down the phone line. There are convenient 3.5mm send and receive jacks for recording in full bandwidth, or mixing in your prerecorded material. The individual headphone level controls provide plenty of low distortion power to cut through the crowd noise.

RemoteMix 4 can be powered by batteries or the included AC adapter, so you'll never lose a connection, even during a power outage!



This calls for Teamwork...

Combining a four-channel field mixer with a four-channel headphone amplifier, a phone-line hybrid, a universal PBX handset interface, a wireless phone interface and Bluetooth® Wireless Technology to connect to cell phones and portables, the RemoteMix 4 is ready to work just about anywhere you are.

Portable Production

Handy gadgets for production on the go

iPhone, iPod, iPad condenser mic

IK Multimedia

iRig Mic: The iRig Mic features a highly unidirectional electret-condenser microphone capsule that provides quality recording, in both close mic and long-distance mic conditions, and real-time monitoring with its dual mini-jack connector. A three-level gain switch makes it instantly adjustable for any sound pressure condition. It can be mounted on any mic stand leaving the iOS device free for app operation. iRig Mic also comes with Vocalive free, IK's real-time effects processor app suite; iRig Recorder, the IK free audio recording app and AmpliTube Free.

+39 059 285496; www.ikmultimedia.com



Audio cables

Hosa

Technology

Pro Interconnect

Cables: The combination of cable for enhanced signal transmission and audio quality, REAN connectors by Neutrik AG, and world-class workmanship, Hosa Pro Interconnect Cables are available in all pro audio terminations, including XLR, 1/4" TRS (tip, ring, sleeve), 1/4" TS (tip, sleeve) and RCA. All cable models utilize a zinc die-cast housing, a quadrangle design, chuck-type strain relief, and rubber boot kink protection. The cables feature 24 AWG oxygen-free copper (OFC) conductors and a 90 percent OFC braided shield for effective EMI and RFI rejection. The 1/4" TRS and TS cables employ nickel-plated contacts for efficient signal transfer and rugged durability while XLR and RCA cables incorporate silver-plated contacts for enhanced signal transfer.

714-522-8878; www.hosatech.com; sales@hosatech.com



USB ribbon microphone

MXL Microphones

UR-1: The UR-1 microphone (patent pending) takes the classic, mellow sound of a ribbon microphone and integrates it with today's USB technology. This new mic uses modern electrical circuitry to match the input requirements of analog-to-digital converters and USB output with low-noise and high dynamic range. The UR-1 is housed in an all-metal body with a double-shielded grill. A volume control and headphone jack on the unit allow for real-time monitoring without any latency.

800-800-6608; www.mxlms.com; sales@mxlms.com



Four-channel USB mixer

Alesis

MultiMix 4 USB:

A four-channel desktop mixer with a USB digital audio interface built in, the MultiMix 4 USB outputs not only line-level analog audio, but also stereo 16-bit, 44.1kHz digital audio

over USB for low-noise, easy computer connection. Monitor back from a computer through the same USB connection. All four input channels accept a 1/4" line input. XLR microphones can be plugged into channels one and two, including condensers thanks to the mixer's switchable 48V-phantom power supply. Channels one and two offer switchable high-pass filtering at 75Hz to eliminate low-frequency rumble, handling and wind noise. The MultiMix 4 USB has a two-channel, five-stage, multicolor LED meter for visual monitoring the main output level. A stereo, 1/4" headphone output has its own level control.

800-5-ALESIS; www.alesis.com; info@alesis.com

Audio recorder

Olympus

LS-7: Compared to previous LS series recorders, the LS-7 offers features including a pre-record buffer that captures two seconds of audio before the record button is pressed, an omni-directional mic to pick up lower bass frequencies, a switchable low-cut filter that eliminates unwanted low-frequency noise and voice guidance for users with assistive needs. The new features come in a compact, lightweight, metal body with uncompressed 24-bit/96kHz linear PCM recording format.

888-553-4448; www.olympusamerica.com



Audio recorder

Audiofile Engineering

Fire 2: A new version of Audiofile Engineering's field recording app, Fire 2 has been redesigned and rewritten with a host of new features for the latest iOS devices. Fire 2 features: An advanced editing suite with SmartEdits, Bezier fades, change gain, normalize, looping playback, regions and more; improved transport screen with faster and smoother drawing and larger waveform view; EQ and dynamics effects; iTunes file transfer; enhanced input processing powered by iZotope; record in background; and Dropbox integration.

www.audiofile-engineering.com

ON THE AIR

SANITIZED FOR YOUR PROTECTION

SOME WORDS SHOULD BE OBSCENE AND NOT HEARD



Eventide Broadcast Delays are designed to keep profanity off your air, and angry listeners, embarrassed advertisers, and the FCC off your back. We invented the obscenity delay and have a solution for stations large and small that provides up to 80 seconds of the highest quality revenue and license-protecting delay.

Our new HD compatible BD600, 24-bit delay, comes standard with AES/EBU, and provides up to 80 seconds of memory — twice as much as other delays. There are fully adjustable Delay and Dump functions, and a Sneeze function which "edits" audio entering the delay, allowing the host to sneeze, cough, or make a short comment without being heard on air.

The BD600 offers two different methods of delay buildup and

reduction: Eventide's catch-up and catch-down system, and an exclusive fast-entry-and-exit feature which allows starting a broadcast with the delay already built up to a safe amount and ending it with a rapid reduction of delay.

For HD, the BD600 offers MicroPrecision Delay™ mode which allows up to 10 seconds of delay to be adjusted in real time in 100 nanosecond increments. This is useful for synchronizing analog and digital signals while on-air, without audible artifacts, to maintain a seamless user experience.

Whatever your size, whatever your format, you can't expect to protect the integrity of your air and the foundation of your business without an Eventide Broadcast Delay in your rack.

Eventide®

HD COMPATIBLE

Eventide is a registered trademark and MicroPrecision Delay is a trademark of Eventide Inc. ©2005 Eventide Inc.

New Products



Studio monitors

Fostex

PM0.5n: Offering 70W of bi-amped power, the PM0.5n features full-range performance with neutrality even at high sound pressure levels. The compact dimensions also enable accurate placement in confined or awkward spaces. Dispersion from the two-way ported enclosure is tailored to deliver superb sound almost regardless of room acoustics. The headphones feature a UFLC 20mm soft dome HF unit and 130mm LF woofer and input gain control.

800-7-FOSTEX; www.fostexinternational.com; sales@fostex.com



Telephone talkshow system

Comrex

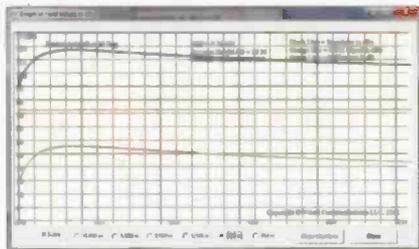
STAC VIP: STAC VIP takes advantage of advances in VoIP and SIP-based technologies that allow for high-quality voice calls to be made from IP-based PBX systems, Smartphones, PCs and through popular VoIP providers. It provides a way to manage not only traditional POTS calls, but also VoIP and SIP calls from Smartphone apps (like Comrex ARC), "soft codecs" and even Skype.

800-237-1776; www.comrex.com; info@comrex.com

Relocation software

V-Soft Communications

XField: Station engineers can use XField when re-locating FM translator stations to frequencies that are second or third adjacent to full service stations or otherwise protected translator stations. To consider the vertical elevation field of a given antenna the XField program must calculate the ERP of the translator antenna along the ground or at a user-selected height at various azimuths and distances from the translator antenna. XField employs the translator's vertical elevation field and azimuth pattern to produce a graph or table of the points where the 40dB limit is exceeded.



A translator station can then be brought into compliance by either reducing its ERP, using an antenna with more bays (keeping the higher signal strength away from the immediate tower location) or increasing the translator's antenna height. XField also includes an IBOC interference calculator, which will calculate the self-interference caused to a hybrid IBOC station when its antenna is not the antenna used by the hosting station.

800-743-3684; www.v-soft.com; info@v-soft.com

Broadcast furniture

Omnirax

Phoenix Line: A budget-friendly version of the Innova line, the Phoenix Line is a distillation of proven custom designs built with the same rugged materials and constructed with the same exacting techniques. The initial offering consists of three basic configurations: Air, Production and Talk, each available with a variety of add-ons that afford additional space or functionality. The entire line is flexible and fluid, allowing for further modifications. Curved lines enhance the experience of both operator/host and guests, creating more real estate close at hand. The guest positions are scalloped so anyone is positioned just right to be heard on the mic, reach the cough switch or make eye contact with the host.

800-332-3393; www.omnirax.com
info@omnirax.com

FM transmitters

BW Broadcast

Aptus: The Aptus high-performance FM transmitter range will be a fully equipped multi-purpose solution. Featuring a touch front panel, these transmitters have built-in audio-over-IP decoding, RDS encoder and comprehensive metering/analysis functionality. The models also have advanced multi-band DSP audio processing as standard and onboard memory for local backup audio, Ethernet and serial remote control, silence detection and source switching, built-in stereo generator, SCA inputs, and all-new sophisticated alarms and notifications.

866-376-1612

www.bwbroadcast.com
info@bwbroadcast.com

Power amplifier

Stewart Audio



AV100: Built for driving both subwoofers and full range loudspeakers, the AV100's lightweight design and convection cooling give this AB Class power amplifier fidelity for a multitude of applications. Pole and universal mounting brackets are available. With its compact, half-rack form factor, this 100W monaural amplifier is optimized to drive 4 and 8ohm loads and, with the inclusion of a low-pass filter, is well-suited for driving subwoofers. The AV100 also uses an ultra-efficient switch mode power supply for its conversion of electrical power. It provides a push-button switch to toggle between full range and subwoofer modes and provides LEDs for visual confirmation of power and clipping.

209-588-8111; www.stewartaudio.com
info@stewartaudio.com

iPhone microphone adapter

Tieline Technology

Mic Adapter: When newsgathering using Report-IT Live on an iPhone4, attach pro dynamic microphones with Mic Adapter.

The adapter features a professional XLR mic input and dual headphone outputs for live interviews between the remote site and the studio. It also has adjustable mic gain attenuation, automatic gain control on/off, a stereo line level input and is self-powered using two AAA batteries. Importantly, the Mic Adapter also features a mini-USB power input for iPhone charging during long broadcasts. The adapter can also be used for a variety of other iPhone Pro Audio apps. It is currently going through the Apple Accessory Certification process and the company expects it to be shipping before mid-year.



888-211-6989; www.tieline.com; sales@tieline.com

Headphones

Mixware

Reloop RHP-10:

With the RHP series, Reloop introduces a modern, lightweight design and a robust construction. In spite of the enormous driver units, the ear cups are constructed in a plain and compact way. The bracket's aluminium bar grants stability and lightness, adjustment allows an accurate alignment and the double casing with the upper made of artificial leather and the lower side made of fluid-absorbing Climabsorb net-nylon guarantees wearing comfort and robustness. Two enclosed cords (plain and spiral) are Reloop standard.



786-362-5757; www.mixware.net; info@mixware.net

Database maintenance

Matrix Solutions

Virtual Sales Assistant: Virtual Sales Assistant is a service that works in collaboration with sales teams by performing on-going database maintenance in key areas keeping Matrix databases up to date. This service integrates, cleans, reconciles and delivers the sales information necessary to make good business decisions.

877-687-9066; www.matrixformedia.com; sales@matrixformedia.com

EAS CAP? Our IP Ready Satellite Internet connection goes where DSL and cable can't.

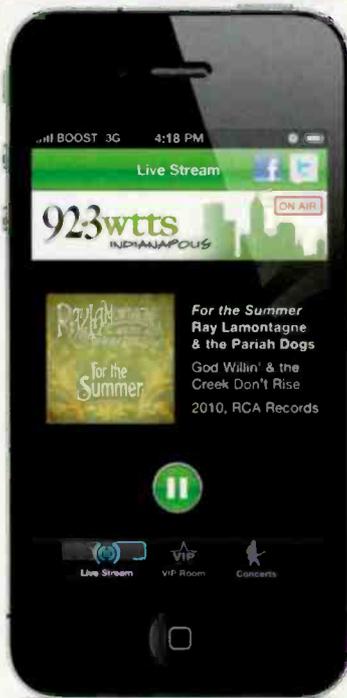
Bringing all your transmitter sites into EAS CAP compliance wouldn't be a big deal if you had a reliable, business-grade Internet connection at every location. Introducing IP Ready from Ka You Communications and VSAT Systems. It's everything you need: a reliable satellite Internet connection, a static IP address, and professional support. And we can often use the same satellite dish you already use for receiving your program content - no additional tower lease needed.

Find out more today at vsat-systems.com, or by calling 1-866-306-1328.



Station Services

What can these companies do for you?



Audience connection app **Boost Media & Entertainment**

MyStationApp: This service is designed to connect fans to their favorite radio station live no matter where they are, by porting PLS streams (multimedia files) onto their smart phones. The app has struck a chord with independent stations that believe apps can enrich the relationship with their audience. MyStationApp features a low implementation cost and a short development time – less than a week in many cases – yet can be completely customized by each station to create a one-of-a-kind product.

317-624-0300

www.boostmediaentertainment.com
info@boostmediaentertainment.com

Song tagging service **Broadcast Electronics**

Twitter Tagging for TRE: This application makes song tagging possible on any portable device that supports Twitter. By taking advantage of a Twitter feature known as “favorites,” TRE is enabling stations to offer iTunes tagging to listeners whatever their device of choice, including the Web. With this new option for its data management system, TRE enables song tagging using the common social network Twitter, so listeners with Blackberries, Androids, and other devices can tag the songs they hear on the radio. Stations set up a Twitter feed with now playing events using TRE, which establishes a unique iTunes URL link for each song event as part of the Twitter feed. Listeners with iPhones and other devices with iTunes tagging can click on links to purchase songs as they’re played on the air. Listeners with Blackberries, Androids and other devices lacking iTunes tagging capability can mark songs as “favorites” for eventual purchase through the iTunes music store.

217-224-9600; www.bdcast.com; bdcast@bdcast.com

Audience measurement **Triton Digital Media**

Triton Engagement Labs: A testing ground for innovative audio applications and online integration that broadcasters can use to maximize listener engagement and advertiser revenue, Triton Engagement Labs will identify driving factors that influence audience engagement both on-air and online. By directly measuring the effect that promotions and initiatives have on listenership, Triton is able to tailor programs more closely to the individual needs of its clients. By integrating on-air and online promotions, stations are able to better measure engagement, and customize promotions and offers to their loyal listeners.

818-528-8860; www.tritondigitalmedia.com
solutions@tritondigitalmedia.com

Streaming service **Liquid Compass**

Mobile Streaming Division for Radio: The new Liquid Compass mobile streaming division will develop and deploy apps designed to enhance the overall listening experience for the end-user and, for the broadcaster, build audience share and time spent listening. The new LC ProM app includes enhanced Now Playing, social networking, Favorites and On-demand features that benefit broadcasters and their end-users with: station branding for the broadcaster, allowing them to keep their brand prominently displayed on one of five available “skins” (custom skins are optional) at all times while the listener is tuned in; and functionality for listeners, allowing them to rate, like or tag songs for later purchase without having to leave or close the app. Listeners can send playlist and like (stations or songs) updates to their Twitter or Facebook pages directly from the app.

303-839-9400; www.liquidcompass.net; info@liquidcompass.net

Advisory service **BIA/Kelsey**

Social Local Media: Dedicated to covering the growing and dynamic social media ecosystem and the best opportunities for driving revenues with social platforms, Social Local Media (SLM) will spotlight those engaged in the use of social media tools and techniques to forward customer relationships. It will focus on helping media companies and social platform suppliers identify the best integration strategies for implementing social across media, marketing and advertising channels in a manner that drives revenues. SLM coverage will center on: new local monetization models for social networks; metrics that measure social initiatives; social media transactions; social media valuations and valuation models; social commerce; Facebook’s continued evolution; social’s role in e-mail, reputation and presence management; next steps for check-in services; and industry analysis of how various media segments are utilizing social channels.

703-818-2425; www.bia.com; info@bia.com

Contest management **NeoGroupe**

NeoWinners Version 3: NeoWinners Version 3 provides a range of enhancements including a more intuitive interface; support for all major RDBMSs (Microsoft SQL, Oracle, MySQL, DB2, Informix, AS/400) for easy, tight integration in an IT environment; and multichannel contest management with unique Internet distribution capabilities to increase audience loyalty.

603-203-1331; www.neogroupe.com
info@neogroupe.com

MEET SAM... A COOL WAY TO MONITOR AUDIO LEVELS, BALANCE AND PHASE



When it comes to audio, a quick, accurate and intuitive way to know what's happening is essential for a successful result. That's where SAM comes in.



The **Stereo Audio Monitor (SAM)** is a stereo level and phase meter that incorporates Single Stereo Display* technology. SAM provides a visual indication of the levels and phase relationships of a stereo audio signal. The unit indicates the usual Left and Right channel levels, and also displays the Sum and Difference components of the stereo signal.

SAM's dual tri-colored Single Stereo Displays show this information in an intuitive and easy-to-comprehend format. Both analog and AES/EBU digital signals can be monitored with SAM. Its compact size allows monitoring three stereo audio sources in only 1 RU of your valuable rack space.

Slip SAM into your audio chain and see what you've been missing.

(*Patent pending)



WE BUILD SOLUTIONS.
DIGITAL SOLUTIONS. ANALOG SOLUTIONS. FUNCTIONAL. RELIABLE. AFFORDABLE.



Henry Engineering • 503 Key Vista Drive, • Sierra Madre, CA 91024 USA
T: 626.355.3656 • F: 626.355.0077 • email: Info@henryeng.com

Visit www.henryeng.com for all of Henry's solutions!

New Products



Line-powered telephone units

Sonifex

CM-TBU, CM-TLL: These small line-powered telephone balance and telephone line listen units act as two- to four-wire converters for IFB applications. The CM-TBU is compatible with all analog direct exchange lines and provides a four-wire communications system to interface with the telephone network. The high degree of separation between send and receive signals makes it suitable for use in telephone IFB (interrupted foldback) applications and the high drive capacity at the four-wire output enables a presenter's earpiece to be

connected directly to the unit without an external amplifier. The CM-TLL provides a low-loss interface to receive audio from a telephone line. The line-powered unit is compatible with all analog direct exchange lines and includes an LED indication of incoming calls. It is intended to be used with an earpiece amplifier to receive an audio feed by telephone from a studio. The line and telephone set are connected to the unit via the RJ-11 connectors in order to make an outgoing call. A telephone may not be required if calls are only incoming, because telephone line ringing is indicated by a flashing LED built into the unit.

+44 1933 650 700; www.sonifex.co.uk; sales@sonifex.co.uk

Audio/EAS monitor

Innovative Broadcast Services

Studio Hawk.8: The Studio Hawk.8 monitors audio and EAS receivers at a studio and communicates problems via e-mail, text messaging and signaling devices. The base system includes Studio Hawk software and hardware to monitor eight status channels, analog channels and relays. It records EAS data (transmitted and received) and can be expanded to monitor up to six EAS receivers. Users will also receive multiple contacts for each alarm with delays between messages, a daily dead air report PDF by e-mail and filtered EAS alerts.

662-324-2769; www.hawkremote.com; support@hawkremote.com

Trafficking software

WideOrbit

WO Traffic 6.5: This upgrade includes new tools to tag programming for spot placement compatibility or copy violations, create custom, multi-level order approval workflows and book, bill and report on detailed non-linear Internet campaigns. WO Traffic v6.5 enables media companies to manage multiple stations, channels and platforms, as well as multiple media from a single system. WO Traffic is a scalable, enterprise-wide solution with real-time, flexible reporting that delivers visibility and control at all levels of a media business.

415-675-6700; www.wideorbit.com; mzinsmeister@wideorbit.com

Internet radio app

Modulation Index

StreamS HiFi Radio: This Internet radio app for iPhone/iPod Touch/iPad hardware supports and lists thousands of high-quality AAC and HE-AAC streams including AM/FM stations and NET streams via the StreamS directory. Without having to register on a website, users can add their own streams within the StreamS app, which is only necessary if these streams are not already listed in the StreamS directory. Users can search, save streams and stations as favorites, view recents, save titles, and purchase on iTunes. StreamS supports social networking - users can publish current title to Facebook, MySpace and Twitter. It even provides a world StreamMap showing what other users are listening to. StreamS optimizes the user experience by displaying album art and artist title information in a fast, easy-to-use, mobile-oriented interface.

909-860-6760; www.indexcom.com
info@indexcom.com



Telco control surface

JK Audio



Guest Modules: Up to eight Guest Module control surfaces provide remote control of the switch matrix over CAT-5 cable. Guest Modules are hot swappable without losing calls, and feature line selection buttons that change color to indicate call status. Guest Modules are available in 1x6, 2x6, and 1x12 desktop and rack mount versions. They feature durable aluminum and steel construction with a sealed rubber keypad.

800-552-8346; www.jkaudio.com; info@jkaudio.com

Audio switcher

Digital Alert Systems

MultiPlayer: MultiPlayer eliminates the restrictions of sharing a single Emergency

Alert Systems (EAS) encoder/decoder system with relays and switches by providing multiple and completely independent EAS switching, playout and control to simultaneously cover the EAS requirements of multiple program streams. MultiPlayer is configurable for analog or AES switching of up to four program streams and networks to any DASDEC system for management and logging. In addition, the integrated switching and multiple GPI/Os for each channel makes facility integration easy.

585-765-2254; www.digitalalertsystems.com; info@digitalalertsystems.com



**Encoder/decoder
Monroe Electronics**

One-Net: The R189 One-Net SE EAS encoder/decoder is the second generation of Monroe's IP-based emergency messaging platform. New



features include an option for up to four independent network connections, better security, faster processing and flash memory. These will prove valuable as FEMA and the FCC move into the Next Gen EAS, and as cable systems move toward a more IP-centric head-end design. With a standard 10/100 BASE-T Ethernet connection this device can communicate via a network with new digital platforms or be accessed via the Internet for monitoring or downloading upgrades.

812-925-6000; www.monroe-electronics.com;
eas@monroe-electronics.com

**Aluminum
transmission line
ERI-Electronics Research**

1329Line: These aluminum outer/copper inner conductor rigid transmission line systems are available in 3 1/8", 4 1/16", and 6 1/8" (both 50 and 75 ohm) sizes. The elimination of the copper outer conductor reduces component prices and weight, decreasing the support component complexity, cost and installation effort. ERI's bellows expansion compensator accommodates the differential expansion between the inner and outer conductor and vertical and horizontal spring hangers are designed to support the system and compensate for differential expansion between the tower and vertical and horizontal runs. The systems also include galvanic adapters to allow interconnection to new or existing brass and copper components.



812-925-6000; www.ERInc.com;
sales@ERInc.com

**Captioning solution
Enco Systems**

enCaption 2.0: enCaption 2.0 is a fully automated captioning solution for live and production events aimed at providing cost-effective captioning on demand. enCaption 2.0 is speaker independent and improves accuracy over time by building a locale dictionary using script and text input. enCaption 2.0 prevents FCC and ADA fines for content creators and presenters and is available in a number of languages. For radio, the system could be used to transcribe talk shows.

800-362-6797; www.enco.com;
sales@enco.com



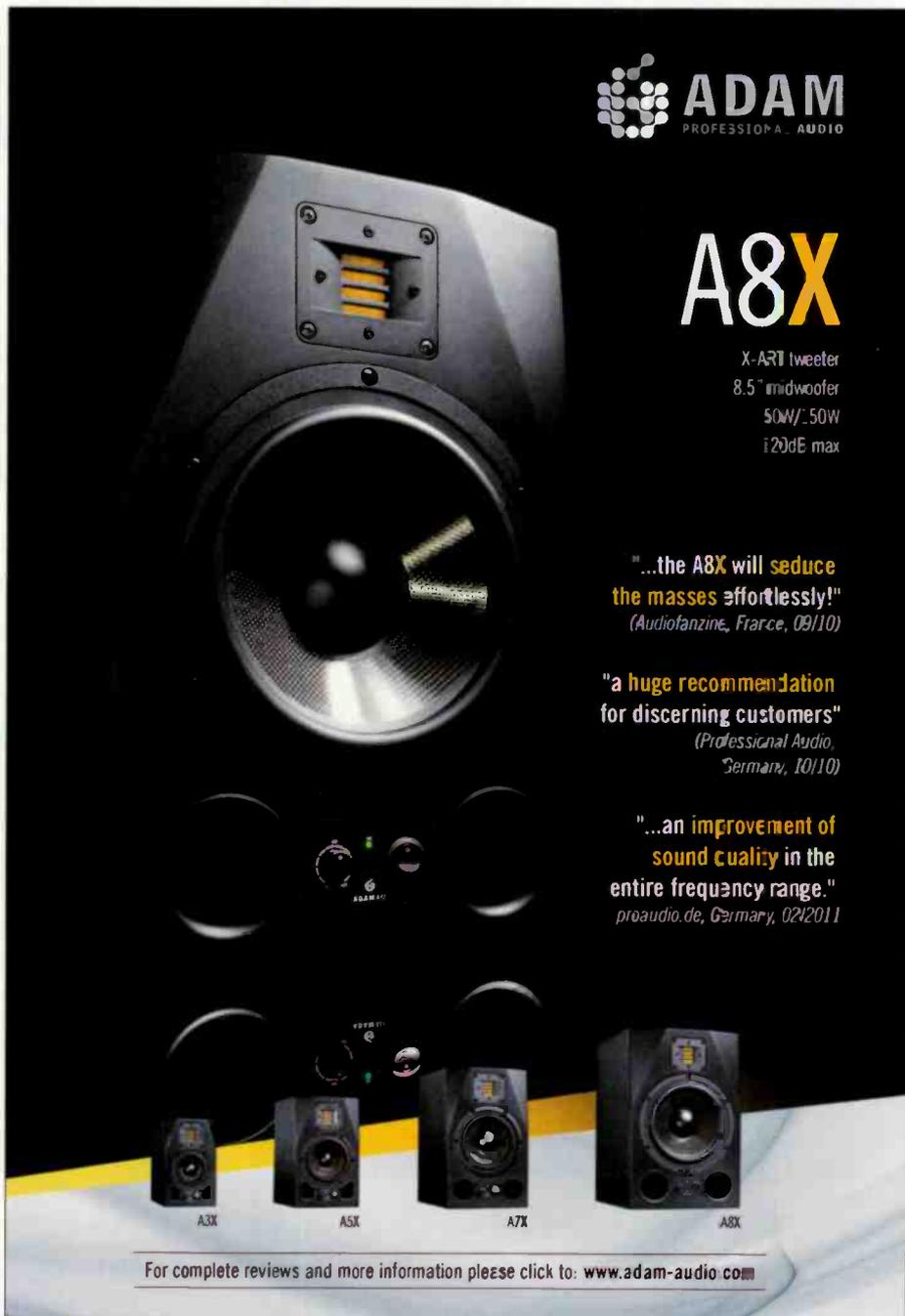
A8X

X-ART tweeter
8.5" midwoofer
50W/150W
i20dB max

"...the A8X will seduce
the masses effortlessly!"
(Audiofanzine, France, 09/10)

"a huge recommendation
for discerning customers"
*(Professional Audio,
Germany, 10/10)*

"...an improvement of
sound quality in the
entire frequency range."
proaudio.de, Germany, 02/2011



For complete reviews and more information please click to: www.adam-audio.com

Beyond These Walls



High-power, high-efficacy lamps

Ledtronics

PAR Series: Operating either in 120Vac dimmable or in a wide-voltage input range of 90-290Vac, the line of Edison medium screw-base and GU24 bi-pin base bulbs come in various PAR20, PAR30 and PAR38 styles. With energy consumption ranging from 7W (PAR20) through 12W (PAR30) and up to 15W (PAR38), the lamps directly replace incandescent and halogen lamps that consume up to 100W, and even compact fluorescent bulbs up to 26W, resulting in tremendous energy savings. These state-of-the-art PAR lamps boast 20 percent higher efficacy than the previous generation of LEDtronics PAR lamps. All of the 120Vac dimmable PAR lamps are UL listed.

800-579-4875; www.ledtronics.com
webmaster@ledtronics.com



When the work is outside the studio

Soundproof cabinet Silentium

AcoustiRack Active: Harnessing the power of Active Noise Control (ANC) theory (which demonstrates that by producing an opposing signal with the same amplitude as the noise to be reduced, but in the opposite phase, the noise is eliminated), Silentium developed the AcoustiRack Active (ARA). This soundproof cabinet provides up to 30dB(A) sound reduction, or 96 percent elimination of environmental noise. ARA also provides 8kW of heat dissipation by allowing free air movement and heat exchange with the outside of the unit while maintaining a dust-free environment, extending the life of equipment.

+972-8-946-8664; www.silentium.com info@silentium.com

Wall plate

American Recorder Technologies

WP-8011-BK: Use this 24-position wall plate whenever multi-channel audio is being passed through walls from one room to another. The mounting holes are 16" across, allowing for securing mounting screws directly to wall studs. The panel is machined from heavy duty, 0.125" thick aluminum, then coated with a durable black anodized finish. Panel size is 5.5" x 16.75" with 24 D-style mounting positions. Connectors not included.

800-777-9580; americanrecorder.com; sales@americanrecorder.com

Power, airflow, lighting accessories

Crenlo

Enclosure Accessories: These power, airflow and lighting accessories for enclosure products, include a power distribution unit (PDU), a rack-mounted blower and a lineup of new rack lighting configurations. The accessories can be integrated into Crenlo's standard lineup of Encor enclosures, custom enclosure solutions and other racks/enclosures. The high-current PDU offers 30A of power distribution at 120V with a dual-circuit design and a total of 24 outlets. The blower utilizes 2RU and provides 250 CFM of airflow at 60Hz. Rack-mounted lights utilize 1RU and provide illumination for an entire rack of electronic equipment, enabling the user to adjust illumination by dimmer switch while performing service to electronics. Lamp sets provide lighting on a specific area within a rack, without taking up any rack space.

www.crenlo.com; cabsales@crenlo.com



Temperature-managing equipment enclosures

Eltek Valere

3030 Enclosures: The upgraded 3030 cabinet is both front and rear accessible and front and rear mountable, featuring an optional separate battery chamber that enables carriers to minimize the footprint necessary for their equipment. All Eltek Valere 3030 family cabinet products offer carriers tailored temperature management with thermal systems that include air conditioners, heat exchangers and heaters.

469-330 9100; www.eltekvalere.com/us
sales.us@eltekvalere.com



Extra long range extender

Gefen

DVI ELR Extender S/R: A single CAT-5 cable can deliver high-resolution 1920x1200 DVI resolutions up to 330' with this extender. ELR technology, based on HDBaseT standards enables this longer distance extension. This streamlined extender comes in convenient, wall-mountable sender and receiver units. A single CAT-5 cable connects the sender and receiver, offering an instant delivery of DVI with no latency, delays or interruptions. Gefen supplies local and passthrough EDID management options to ensure a constant signal delivery from computer to display, regardless of the distance the signal must travel. Both sender and receiver units are equipped with locking power supplies.

800-545-6900; www.gefen.com; gsinfo@gefen.com



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-BILL TRAUE

Chief Engineer Riverbend
Communications Blackfoot ID



"We use PDM at Radio Free Europe/Radio Liberty for listener call in programs on our Radio Azadi (Afghani) and Radio Farda (Persian) language services. The device is easily programmed through a browser interface, and the front panel controls are intuitive. PDM's Livewire option let us quickly and seamlessly integrate the devices in our Axia IP based audio distribution system."

-BILL CLINE

Director of Broadcast
Engineering Radio Free
Europe/Radio Liberty Prague



"Talk about piece of mind. On the rare occasions that our "red button" gets pushed, PD-Alert emails me two pieces of audio. I can instantly hear the "raw" version of what didn't make it to air, and the "clean" version that did. 25-Seven's PDM system with PD-Alert is the decent way to make sure your license is protected"

-GRACE BLAZER

Program Director WTKK
Boston MA



PD-Alert™ e-mails audio files so you know what happened when material is "dumped". With 90 seconds of profanity delay and transparent audio expansion/compression, the user-friendly PDM is for stations serious about protecting their licenses.

It's about time

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New Products



Radio console Audioarts Engineering

X-12 Digital: Featuring a low-profile 12-fader control surface that is as simple to install and use as an analog console, the X-12 Digital's modular I/O design allows the use of analog or AES digital sources or a combination of these. Input channels each have selectable A/B sources, LED-illuminated on, off, and cue switches, and access to three stereo program buses. Monitoring facilities with volume control are available for control room and studio. There is a built-in cue speaker and a built-in headphone jack, both with their own amplifiers and level controls. In addition to the main program bus meters, there is a stereo pair of switched LED bargraph meters that can monitor a variety of signals. The X-12 Digital is also equipped with a patchable USB port for audio transfer to and from a computer or other device.

252-638-7000; www.wheatstone.com; sales@wheatstone.com

Transmitter reseller Transcom Corp

Pre-owned transmitters: With many years of experience and service to broadcasters, Transcom provides used AM and FM transmitters and is a manufacturer representative for new antenna, cable, STL equipment and audio equipment.

800-441-8454; www.trcorp.com; transcom@amfmstv.com

Studio monitor Adam Professional Audio

A77X: The A77X features an X-ART tweeter, new woofers and amplifiers, and completely re-designed speaker cabinets. It is equipped with the same advanced technologies as the A7X, but it produces much higher, compression-free maximum sound pressure levels and dynamics. Due to its power and radiation characteristics, it is suited for near- and mid-field monitoring. The "X" stands for "eXtended frequency response" and the Accelerating Ribbon Technology has been improved in terms of frequency response that now extends all the way up to 50kHz. The A77X's two 7" woofers feature 1.5" large voice coils and powerful amplifiers. The woofers cover different frequency bands: one handles the (sub-) bass frequencies to approximately 400Hz, while the other reproduces most of the midrange.

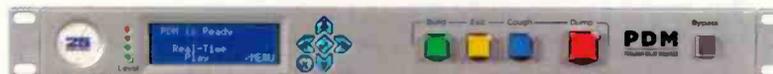
+49 30 86 30 0970; www.adam-audio.com; usa-info@adam-audio.com



Audio delay system 25-Seven Systems

Program Delay Manager Version 2.0: Available in both Livewire IP audio and standard digital/analog I/O configurations, Program Delay Manager (PDM) offers up to 99 seconds of delay protection against unwanted broadcast content while providing excellent audio performance, flexible remote control via Web browser, 8x8 GPI/O or RS-232. 25-Seven's PD-Alert system instantly emails key staff when the dump button is pressed. This alert contains separate audio files of material blocked from airing, as well as the audio that went to air, eliminating second-guessing about what was and was not aired during the incident. Version 2.0 software expands IP-based remote control capability and provides a new data delay feature to keep PAD data streams in precise synchronization with the audio delay.

888-257-2578; www.25-seven.com; info@25-seven.com



Outdoor buildings Reliant Shelters

Telecommunication and Equipment Shelters: Steel reinforced pre-cast concrete buildings are suited for use as a ground mounted equipment shelter. Because the floor structure is concrete, they can be placed directly on the ground without concern for deterioration resulting from damp conditions. The six sided concrete structure is inherently secure, bullet resistant and highly resistant to vandalism.

410-676-3700; www.reliantshelters.com
sales@mobilemodular.com

Transmitter site audio playback Nautel

Push Radio: Designed for VS Series transmitters, Push Radio manages audio content to centralize operations at the transmitter site. Building on the local audio storage capabilities of Nautel VS transmitters and leveraging the AUI control system, Push Radio uses Internet distribution to send audio files and playlists to the transmitter, which then plays the content locally. The system will be expanded to send the as-played logs back to the station. A scheduler automates switching audio inputs, playlists, processor or other settings based on time and date rules, while a playlist editor provides drag-and-drop editing. The Orban Inside audio processor provides the audio playback.

207-947-8200; www.nautel.com; info@nautel.com



MADI router Lawo

Nova29: A compact 16-port MADI router, Nova29 delivers transparent signal routing for 1024 x 1024 signals, an integral intercom function, and many easy-to-maintain features. The Nova29 can be used as a stand-alone unit with third-party equipment or networked seamlessly with Lawo on-air consoles, enabling homogenous studio networking.

+49 7222 1002 0; www.lawo.de; info@lawo.de



Automation system
OMT Technologies

iMediaTouch v4.2: In addition to full support of 32- and 64-bit versions of Windows 7, the iMediaTouch V4.2 release has significant feature enhancements. iMediaTouch OnAir now provides "quick links" to a variety of social networking sites, auto ducking for Liner EOM adjust, and a new audio library screen added to the blade section. Other feature additions include a new quick access library view in Log tools, Info and Backsell tabs with social networking links added to Voice Tracking, and a "Show Profiles" feature for iMediaImport that allows fully automated ingest of Internet delivered show content. OMT has also introduced new features in our iMediaArchive product designed for large radio groups and NPR stations looking to house very large SQL-based audio libraries. iMediaArchive provides Web browser-based enhanced customizable Boolean search capabilities within the database supporting such fields as composer(s), soloist(s), conductor(s), chorus, master genre and so on. iMediaTouchArchive users can now access audio content from within the iMediaArchive library screen and insert the files right into the iMediaTouchOnAir log. Users can also create, edit, delete and save play lists within iMediaArchive and then insert those play lists to any position in the iMediaTouch OnAir log.

888-665-0501; www.omt.net; omt@omt.net

Audio processor
Omnia Audio



Omnia.9: Omnia.9 features separate processing cores for FM and HD-1 and (optional) HD-2 and HD-3. It also supports encoding to MP3 (Mpeg-1 Layer 3), MP2 (Mpeg-1 Layer 2), AAC, HE-AAC (including RTSP/3G for streaming to mobile phones), Ogg Vorbis and WMA Pro formats. A 7" touchscreen front panel, full remote control, on-screen keyboard, dynamically updatable RDS encoder, selectable SSB (Single Sideband) stereo encoder, and adjustable dynamic bass clipping are part of the toolkit. HTTP push support for automation, such as dynamic RDS and streaming song titles, is also standard, as well as scheduled processing preset selection by depart. Omnia.9 also has dual, independent power supplies and native Livewire network connectivity, in a 2RU package.

216-241-3343; www.omniaaudio.com; info@omniaaudio.com

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1-800-733-0552

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Out and About



Live-use mics Beyerdynamic

Touring Gear Series: A complete product range of more than 25 different microphones for live performance, the Touring Gear Series showcases a uniform and elegant design, top specifications, and a clear, easy to understand classification system. The four categories include: TG 30 - an entry level series for large sound on a small budget; TG 50 - high-quality and style for vocals, instruments, drums, headsets and lavaliers; TG 70 - even better technical characteristics and even higher-quality materials; TG 90 - very top class especially crafted in both design and sound for the most demanding requirements on the stage.

800-293-4463; www.beyerdynamic-usa.com
info@beyerdynamic-usa.com

Light tower Will-Burt

Night Scan: These towers extend up to 30' (vertical mounted towers) or 15' (roof-mounted towers) for up to 4x as much light coverage area. These towers are 42 percent lighter than other towers meaning there's not need for roof reinforcement and less weight to transport using less fuel over the life of a vehicle. The light fixtures illuminate as soon as the tower elevates to its vertical position. Full dual tilt means 50 percent of the light forward and 50 percent backward.

330-682-7015; www.willburt.com; mastlite@willburt.com

Wireless intercom system

Anchor Audio Communications/Portaco

ProLink 500: This digital wireless intercom system is easy to configure and easy to operate. The system allows duplex communication by four users with a master belt pack and three remote belt packs. It has a 500' line of sight range, and built-in Bluetooth capability. The transmitter and receiver operate utilizing in the FCC license free 902-928MHz range for the United States without the need for a base station. The ergonomically designed belt packs have a sturdy XLR headset jack, two heavy duty antennas, headset volume control, microphone gain control, A/B channel selection and PTT or always on mode. The out of range LED indicator tells each user when to move closer to the master belt pack. A gang charger is available to charge up to four belt packs on one device.

800-262-4671; www.anchoraudio.com

Useful items at simplify remotes

PA speaker Mackie

TH-12A: Efficient Class-D Fast Recovery amplification in the TH-12A provides 400W of total system power, tuned to match the custom-designed 12" high-precision woofer and 1" compression driver. The TH-12A delivers thump, user-adjustable three-band EQ and Mackie Active electronics. Also features mic/line input, polypropylene enclosure, pole-mounting and floor wedging, and light weight (25.5lbs).

800-898-3211; www.mackie.com; productinfo@mackie.com



Headset mics AKG

HSC171, HSD 171, HSC 271, HSD 271: Condenser microphone models (HSC 171, HSC 271) and dynamic microphone lines (HSD 171, HSD 271) now feature closed-back earpiece design for high ambient noise attenuation and signal isolation. The 271 models are circumaural (full-size) and the 171 models are supra-aural (on ear). All have a detachable cable. Each headset has a flexible microphone arm that moves through a 270-degree arc and automatically mutes the mic as it's moved up, eliminating the need for a mute button. The 271 models also feature automatic headphone muting. The microphone can be worn to the left or the right, and the microphone is shock mounted to attenuate mechanical noise and protect the capsule from damage.

818-920-3212; www.akg.com; akgusa@harman.com

Portable PA systems JBL Professional

EON515XT, EON210P: With improved input sensitivity, lowered noise floor, added user-selectable EQ control and re-voiced system, the two-way EON515XT incorporates a JBL 2414H high-frequency neodymium compression driver and a 15" JBL 265F-1 Differential Drive dual-voice-coil woofer with a proprietary Crown Class D amplifier. The system has been re-voiced for better clarity and frequency balance and now delivers a 132dB maximum SPL. The EON210P includes two 10", two-way speakers, an eight-channel powered stereo mixer with four digital effects, two 15' speaker cables and a storage compartment. The mixer and storage compartment attach to the rear of the speakers. At 33 pounds, the EON210P is 20 pounds lighter than most other package PA systems in its class.

800-852-5776; www.jblpro.com; info@jblpro.com



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www.arrakis-systems.com

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- analog & digital with USB sound card modules
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MARC-15-15 MODULAR ANALOG CONSOLE

the MARC is a next generation analog console that mixes analog and digital technologies with USB PC sound card modules (on air software included). For today's cable infrastructure the MARC uses CAT5 cabling and RJ45 connectors (cables included). Three stereo buses plus dual conferencing phone hybrid mix minus buses handles the big jobs.

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MARC-15-12 ... \$5,499

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Join the hundreds of others on air with Digilink-Xtreme, the best automation system in Radio. Full featured, it is easy to install, use, and maintain. Best of all, it is easy to buy. Choose from either the no contract \$100 per month 'Solutions Program' or buy 'Xtreme-Complete' outright for only \$6,500.

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With 'Xtreme-Complete' for \$6,500, you purchase a complete system ready for air: DELL business PC, Arrakis 'Bridge', and Xtreme software for on air, production, scheduling, voice tracking and more. The system comes with a full year of the 'Solutions Program' with training, support, upgrades, and next business day 'Bridge' replacement if it should fail. The DELL PC comes with 3 years of next business day, on site service from DELL.

Order your system today and receive it tomorrow, call us at 970-461-0730 ext 309

www.arrakis-systems.com

New Products



Nearfield monitors
Transaudio Group
Sonodyne SM 50Ak, SM 100Ak:

The SM 50Ak is the smallest monitor in the Sonodyne range. Its active bi-amp design delivers 45W to the 5.25" woofer and 45W to the tweeter to smoothly reproduce 70 to 22,000Hz. Its aluminum enclosure and shape contribute to the sound. The next model up is the SM 100Ak, also bi-amplified, offering 80W to a 6.5" woofer, and the same 45W powered tweeter. The SM 100Ak delivers low-end response, a large sweet spot in front, and high SPL.

702-365-5155; www.transaudiogroup.com

High-intensity LED strobe Dialight

Vigilant L-856: This high-intensity system consists of three flash heads, three power supplies per level and one controller for the entire system. Up to 18 synchronized flash heads can be used on a tower. The three flash heads provide 360 degree coverage. The working voltage is less than 200Vdc, which is significantly less than tradition Xenon flashtubes. The units are sealed for protection from the elements. Patented optics provide sharp cutoff to minimize light pollution and ground scatter.

800-835-2870; www.dialight.com; info@dialight.com



Audio network interface

Wheatstone

Razor Blade: The Razor Blade brings WheatNet-

IP Intelligent Network connectivity to places where the cost of a full-featured blade isn't justified, or where a full Blade I/O complement isn't needed. Featuring one AES digital input, one AES digital output, and six bidirectional logic ports, it's ideal for interfacing an ISDN codec, a telephone hybrid, or any other single I/O device to the network. The front panel has two pairs of 10-segment LED bar graph meters that display the input and output signal levels. There's also a power LED and communications status LED to indicate the network connection is active. The rear panel has AES inputs and outputs on XLR connectors, a WheatNet-IP Gigabit Ethernet port, and an RJ-45 connector that carries the universal logic ports. The unit is set up, configured and controlled via Wheatstone's WheatNet-IP Navigator software.

252-638-7000; www.wheatstone.com; sales@wheatstone.com



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Continental Electronics

www.contelec.com (214) 381-7161



USB 2.0 LSlot interface
Lynx Studio Technology

LT-USB: This compact add-on card, mounted in the back of an Aurora converter, provides up to 16 I/O channels of 24-bit 96kHz digital audio or 8 channels at 192kHz. Compatible with both Mac and PC, the LT-USB is controlled via the Aurora Remote Control program that is shipped with the card, offering 16x16 mixing capabilities as well as extensive control options.

714-545-4700; www.lynxstudio.com
sales@lynxstudio.com



HD Radio monitor
Inovonics

INOMini 632: The INOMini 632 combines all the features of a professional grade HD Radio monitor/receiver with important diagnostic and troubleshooting tools for analog FM and IBOC FM stations. Along with essential alarms, AES digital output and balanced analog outs, the INOMini 632 is the first scalable HD Radio monitoring system, and the first Inovonics product to offer a "no blend" mode, meaning the receiver will not fall back to analog if the digital signal is lost. It can decode HD Radio multicasts up to HD8 streams, and displays PSD, RDS and RT+ tagging data. Front-panel alarms for carrier loss, digital program loss and audio loss are also available on the rear panel astially outputs.

800-733-0552; www.inovon.com
info@inovon.com

Emergency management software
Riverview Software Solutions

Disaster Resource Navigator: This application provides an organized method of keeping track of important information and offers quick navigation of local resources providing important services such as shelter, food, water, ice, generators and fuel. With the Disaster Resource Navigator, this information is just a mouse click away saving valuable time for the broadcast staff, listeners and viewers. The software design is based on an actual four-day disaster event that took place in Alabama in April 2011.

256-486-3397; www.riverviewsoftwaresolutions.com

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SUPPORT

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ENCO delivers Performance demanded by today's talent, engineering and management.

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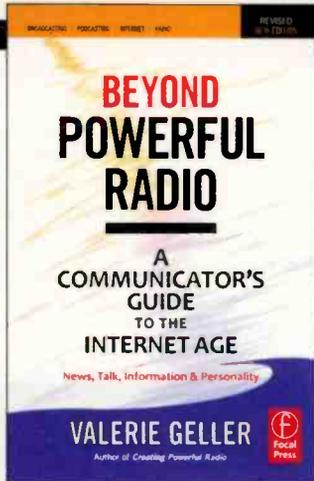
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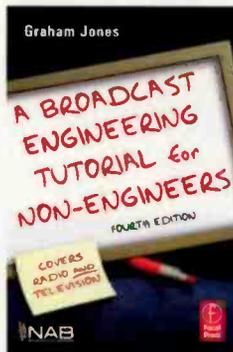
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Elsevier/Focal Press

Beyond Powerful Radio: Based on the successful books, "Creating Powerful Radio" and "The Powerful Radio Workbook," this combined edition provides even more methods for preparing and delivering powerful radio content. Valerie Geller explains the techniques of producing and presenting information, storytelling, news, talk and personality radio. New material is provided on: show prep, interview techniques, news, integrating radio and television, promotion and air checking techniques.

A Broadcast Engineering Tutorial for Non-Engineers: Radio and television broadcasting is the type of profession many people fall into. This book is for new hires, as well as for anyone that needs to have the basic vocabulary in broadcast. This new edition builds the previous edition by adding new standards and defining emerging digital technologies that are revolutionizing the field. Written in a non-technical fashion to appeal to trainees, managers and creatives.



Moving Media Storage Technologies:

Complex media storage computer systems are employed to capture, store and retrieve moving media content on systems that will preserve the original integrity of the content over time and technological transition. This book provides detailed information related to the concepts, applications, implementation and interfaces of video file servers, intelligent storage systems,



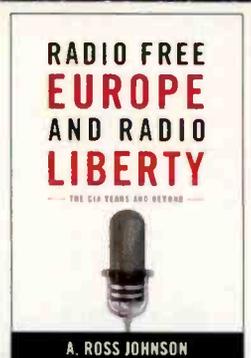
media asset management services, content distribution networks, and mission critical platforms. A tutorial and case example approach is taken to facilitate a thorough understanding of the technologies, using numerous illustrations, tables and examples. The text and appendices are designed to provide easy to access valuable reference and historical information.

781-221-2212; www.elsevier.com; usbkinfo@elsevier.com

Woodrow Wilson Center Press

Radio Free Europe and Radio Liberty: The CIA Years and Beyond: This book examines the first 20 years of the organization, policies, and impact of Radio Free Europe and Radio Liberty, arguably one of the most important and successful policy instruments of the United States during the Cold War. The book is based on extensive archival research in the United States, Germany, Poland and Hungary, as well as interviews and the author's own experiences. It uses Central Intelligence Agency materials, in part declassified at the request of the author. Johnson concentrates on the origins and role of RFE/RL in the context of U.S. national security strategy, with particular attention to the role of the CIA in covertly organizing and funding RFE/RL from 1949 to 1971. And he details RFE activities during the most important East European crises of the era: the uprisings in Poland and Hungary in 1956 and in Czechoslovakia in 1968. The study concludes with an analysis of the factors that accounted for RFE/RL's effectiveness.

202-691-4029; www.wilsoncenter.org/press; press@wilsoncenter.org



Music Libraries

APM Music

ReverbNation Music: An exclusive production music library supplying high-quality independent artist music via a partnership with ReverbNation.com, ReverbNation Music is the leading online marketing and promotion platform for over 850,000 musicians, labels, managers and venues. APM established the partnership to address issues affecting the licensing of indie music into programming and is founded upon the pillars of quality content and representation, fair price for artist and client, and freedom from worry about copyright claims.

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info@apmmusic.com

Manchester Music

Manchester Music Library: Manchester Music Library is high-quality royalty free music with tracks that feel custom-scored, in genres ranging from rock, jazz and ambient to traditional classical. Music can be listened to from beginning to end before licensing. Each of the royalty free music CDs are available for instant download, and also available as a physical CD. All tracks or CDs are available in either WAV or MP3 formats.

413-369-4331; www.manchestermusiclibrary.com
manchesterproductionmusic@gmail.com

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Disco Funk: This collection of Disco beds features 70s-styled grooves from the dance floor. Funky rhythm guitar and bass, layered with synths, keyboards and classic drumbeats give these tracks the feel and motion to keep visuals moving along. "Disco Funk" is available on CD or can be downloaded in MP3 and WAV file formats.

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New Products



RF components listings

RF Parts

Online catalog: A worldwide distributor for 34 years, RF Parts has released an expansion of its online catalog at www.rfparts.com. The newly expanded catalog provides an easy and efficient listing of product information, product applications and product ordering with the company's secure ordering system. The catalog lists a complete line of power tubes for broadcast, industrial and communications, including Eimac, Amperex, Taylor, Svetlana, RFP and Econco brands along with a full range of sockets through 20kW. In addition, the company stocks a large inventory of popular and hard-to-find RF transistors and power modules from Motorola, Toshiba, MA/COM, Mitsubishi and Microsemi. High-voltage doorknob capacitors and rectifiers are also stocked.

800-737-2787; www.rfparts.com
rtp@rfparts.com

Digital MP3 recorder Olen Technology MiCorder:

This recorder converts any stereo output into an MP3 file. The MiCorder records onto a standard SD card and is connected to any device with a stereo output. It features more than 10 hours life time for recording and play back from the polymer lithium-ion battery.

805-489-3636; [www.olenstechnology.com](http://www olenstechnology.com)
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**IP audio encoder/decoder
WorldCast Systems**

APT Stream In/Stream Out Silver:

Stream-In Silver is an IP audio encoder features a large range of algorithms including Enhanced Apt-X, MPEG 4 AAC-HE and linear audio. The unit is 1/2 x 1RU unit, which is fully compatible with all other APT and N/ACIP-compliant codecs. The Stream-Out Silver IP audio decoder offers headphone monitoring, audio backup courtesy of either an on-board USB port or ShoutCast server, embedded auxiliary data and auto-detection of an incoming IP stream. Incorporating Audematis ScriptEasy software, the unit can also be utilized for remote control of other units at a remote site using TCP/IP.

305-249-3110; www.aptcodescs.com
ussales@worldcastsystems.com

**IP link for IPAWS
VSAT Systems**

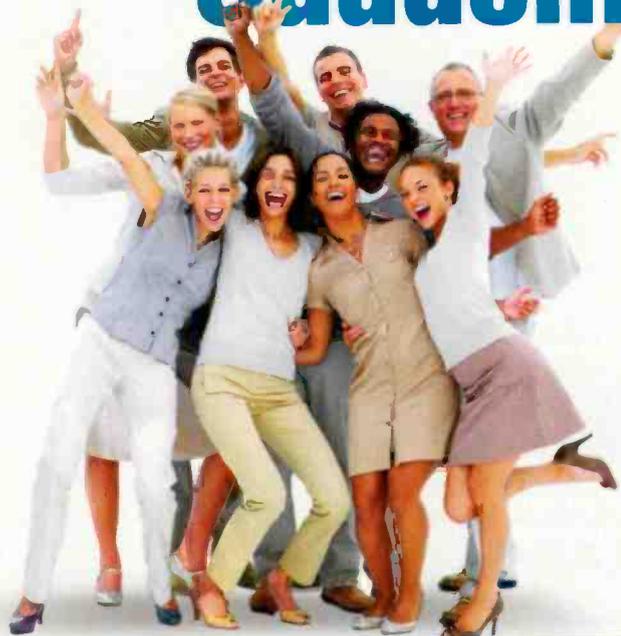
IPReady: Ka You Communications and VSAT Systems provide an IP link to the IPAWS gateway. The solution includes a business-grade satellite-based IP link that can be installed anywhere, along with a static IP address and professional support. It also links all transmitters - regardless of location - back to headquarters for simplified operation and remote command and control of transmitters. The company can work with your existing content delivery dish, or install new. Immediate installation is available on AMC-1.
866-306-1328; www.vsat-systems.com; customer@skycasters.com



**Digital series FM transmitters
Eceso**

Helios NextGen: Encompassing several power ranges up to 10kW, the core of this range is Eceso's new Helios NextGen, a world-class exciter that incorporates an FM band "direct to frequency" digital modulator. Fully protected against overheating, VSWR and lightning, this digital exciter is available as a standalone modulator in 20W or 100W versions or can be combined with the new Goliath NextGen amplifiers for applications requiring higher power. For medium power applications (750W to 2.5kW), broadcasters can also opt for an integrated compact solution that combines the Helios NextGen into the new Goliath NextGen unit to reduce space, cabling and hardware requirements.
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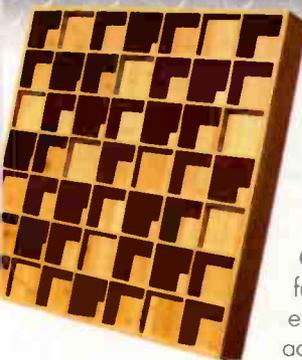


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and redirects acoustical energy. Quadratec Diffusor's tiered design provides scattering, resulting in a warm, musical character to the dispersed sound. Peak Pyramid Diffusor provides high quality sound diffusion while also doubling as an effective bass trap when filled with absorptive material. KeyPacs are magnet-based panels that have the ability to mount to Auralex ProPanels or Studiofoam. Since most rooms are not dedicated to one particular application, these perforated absorption covers allow users to have a more live or dry room on the fly without having to reconfigure the entire space.

317-842-2600; www.auralex.com
auralexinfo@auralex.com

Ethernet control surface Radio Systems

Millennium Console Platform: Available in 8- and 12-channel versions, Millennium Consoles The Platform is 100 percent IP. All devices are Ethernet connected. Multiple surfaces, screen-based clients and remote setup and control screens all connect by LAN, WAN and the Internet. Each channel features a select key, four program buses, solo bus, send bus, fader, conference, talk, record and cue buttons, rotary encoder that selects any Platform source displayed on the two-line LCD to the channel strip and calls a list of auxiliary sources available via the center pushbutton knob, option button that sends selected source directly to studio monitors and metering scenes, take button selects a new source to the channel and activates functions called by the option button. The Platform's 7" LCD touchscreen provides access to the home screen and auxiliary input/output screens. The system is supported by an external frame that houses the system DSPs, input/output channels, GPIO interconnects, and connectivity to Ethernet and USB transports.

856-467-8000; www.radiosystems.com sales@radiosystems.com

Field strength program RF Software

RF Investigator v3: The most obvious change in this version of the software is a new button on the tool bar. This button selects AM or FM studies from the same program without the need for additional software. Multiple monitor support allows the user to move the various windows as he likes to more efficiently display the data and control functions. Maps are resizable to a rectangle. The entire map display can be easily copied and pasted into another application, such as a word processor or graphics editor.

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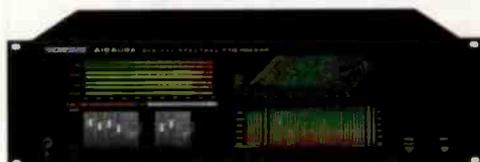
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AirAura: The AirAura provides extensive measurement of pre- and post-processed audio, allowing the user to visualize in real time exactly what the processor is doing. Details such as when and how the AirAura clipper's distortion management system is operating, and the dynamic range in each part of the audio spectrum are viewed via dual front panel widescreen displays that show detail about the processor's operation. In addition to real-time measurement of input, output and RMS output levels, its comprehensive metering also shows all gain reduction activity. The AirAura also offers extensive remote control via wired 10-100BaseT Ethernet and on-board 802.11G wireless.

252-638-7000; www.vorsis.com
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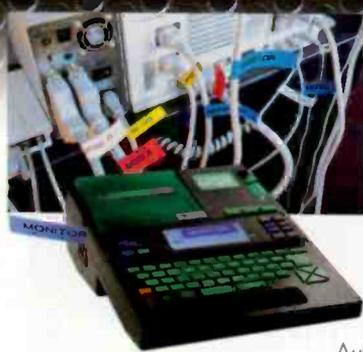


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Auto-tape size detection saves time/waste. Flash memory holds 99 files/5,000 characters and requires no hazardous storage batteries. Use repeat and mirror printing to save time, enlarge printing for sectioned labels up to 4" high, use the built-in printer handle for field work and an international ac adapter will work anywhere in the world.

800-622-6312; www.ksun.com; info@ksun.com

Grounding wire

Nott Ltd.

Copperweld: Nott now distributes Copperweld grounding wire. This wire has been used by the electric utility industry for many years and just now comes to broadcasting. Standard Copperweld wire is not annealed, making it very springy. However, the ground wire is annealed and handles just like pure copper wire. It can also be silver soldered like pure copper. Tests indicate erosion may occur at the ends of buried wires but will go no more than two wire diameters into the metal. In the case of #10 wire, this is less than 1/4". RF current travels only on the outer surface of a wire due to skin effect, so most of the current will be flowing in the copper skin. Bending it into a sharp radius does not cause the copper skin to crack. Wrap it as tightly as needed, then silver-solder it.

800-443-0966; www.nottltd.com; ron@nottltd.com



Mixing control surface Logitek

Pilot: Available in multiples of six faders (from 6 to 24), the Pilot offers full access to the sources available on a Jetstream or Audio Engine router along with simple bus selection and intuitive monitor controls. The Pilot, combined with the Jetstream Mini, provides a cost-effective way for facilities to implement IP audio routing and mixing. Features include: cue switch over every fader with built-in cue speaker; room for 16 character source names on bright, wide-angle displays; change button over every channel and central select knob for easy access to new sources; 12 user-configurable soft keys; quick route button for selection of program, auxiliary and two user-defined sources for monitoring; buckets full of mix-minus; four GPI inputs and eight GPI outputs on back of surface along with RJ-45 for connection to audio engine; simple tabletop mounting and 20W power consumption.

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Talkshow system
Broadcast Bionics

PhoneBOX VX: Broadcast Bionics is now a software development partner for next-generation Telos phone systems. PhoneBOX VX is a scalable, SIP-based talkshow system that integrates directly with Telos VX systems to manage and integrate callers, e-mails, SMS and control of ISDN and IP codecs into a single converged system. This gives talent comprehensive control of interactive audience participation such as listener polls and competitions. It integrates with Axia networks and consoles.

+44 1444 473999; www.phonebox.com; info@phonebox.com

EAS encoder/decoder
Sage Alerting

Digital Endec: The Digital Endec incorporates the latest developments in DSP and other digital techniques. It uses an Internet connection to allow remote, secure activation, system monitoring and uploading of software releases and redundancy. Its network-centric design allows logging, printouts and control and automation interface via a network or Internet connection. It now has text-to-speech capabilities and will be fully compliant with the FEMA-specified CAP 1.1 standard.



914-872-4069; www.sagealertingsystems.com; info@sagealertingsystems.com

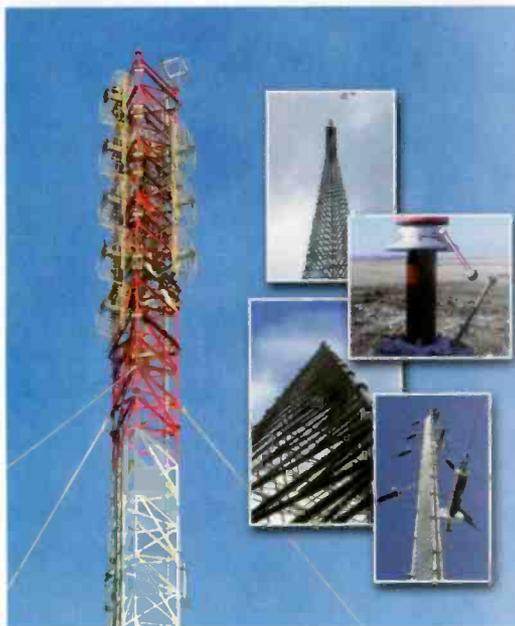
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Harris

Flexiva: This VHF FM solid-state transmitter provides radio broadcasters with a single platform to support analog and global digital standards.

Quad-mode operation supports FM, FM+HD Radio, HD Radio-only or DRM+ digital broadcasting, while the transmitter incorporates Harris Real-Time Adaptive Correction (RTAC) technology to optimize power and minimize adjacent-channel interference. Flexiva transmitters are built on the legacy of Harris radio broadcast transmitters, including the ZX Series and its efficient power supply, cooling and control designs. Available in power levels up to 20kW, Flexiva transmitters also leverage Harris PowerSmart technology to create a compact, cost-efficient transmission solution with high power density and low operating costs.

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New Products

GORMAN-REDLICH MFG. CO.
CAP-DEC 1
CAP-to-EAS Converter Unit



CAP-to-EAS decoder system

Gorman-Redlich

CAP-DEC 1: This standalone unit translates received CAP alerts into EAS headers, which will be transmitted by current EAS equipment in the same manner as they already are. Features include: RJ-45 Ethernet LAN connection for network/Internet receipt of CAP alerts; RS-232 Serial connectivity with Gorman-Redlich EAS units for fast alert transmission of CAP-to-EAS translated alerts; frequency shift keyed (FSK) output of CAP-to-EAS translated alerts for compatibility with a wide range of legacy EAS equipment; monitors up to three CAP alert server URLs (expandable for additional monitoring); internal logging of CAP-to-EAS translation activity; internal storage of received CAP alerts and attached audio files; ability to log activity to USB or network printer; ability to send activity logs via email; text-to-speech converter to generate alert audio if no attached audio is present with the received CAP alert.

740-593-3150; www.gorman-redlich.com; jimg@gorman-redlich.com

On-air warning lights

Sandies

Warning lights: Sandies' bright red, back-lit on black letters will keep staff informed. Dimensions are: 5"H x 10"W x 2-1/2" D. These warning lights are 110V and use two 7W bulbs. The text on the lens reads On Air. They are available in 12- and 24Vdc as well as custom text/foreign language by special order. Sandies also has a three-sided on air light that measures 5"H, 3-1/8"W, 2-3/8"D.

215-547-2570; www.sandiesusa.com; service@sandiesusa.com

Video IP codec

Comrex

LiveShot: Weighing in at less than five pounds, the compact LiveShot will attach to a professional camera's battery mount and will get on the air with live, realtime, low-latency video and audio optimized to perform well on challenging 3G/4G cellular and satellite IP data networks. LiveShot also accommodates Wi-Fi and wired IP data connections and offers a store-and-forward feature that will capture, manage and send higher-resolution video to an FTP server when a live shot is done. Video return, integrated IFB, Wi-Fi and Bluetooth interface are just a few of the additional features. The codec can be controlled and configured locally or remotely via the Comrex LiveShot Central server.

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Value is manufactured from polished formed aluminum.

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858-536-2927; www.cbt-net.com; info@cbt-net.com



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TRD815RA: TRD815RA, TRD815RA2 and TRD815RA3 feature patent pending channelized right angle pair guide and load bars, which give the cables a true Cat 5e rating. TRD815A features one straight plug and one right-angle plug with the key on the bottom; TRD815A2 features one straight plug and one right-angle plug with the key on the top; and TRD815RA3 features two right-angle plugs with the keys on the bottom.

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Op-X: Op-X was built from the ground up and has been designed for both intuitive operator interface and ease of maintenance. The system has been in fulltime operation at more than 30 stations nationwide for the past 18 months, as product features have been enhanced and real-life testing has proven successful. The system features clock-builder and time-bending functions, as well as a satellite interface.

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315-673-1269; www.armstrongtx.com; sales@armstrongtx.com

RBDS subcarrier generator

OMB America

RDS 5000: The RDS 5000 implements a radio digital data system to be used in FM stations. The most advanced technology is used in the design of this new transmission system, really useful for all radio stations. The RDS 5000 is easy to program and install, and it is able to transmit 50 words of eight characters each. It provides other parameters like time, data; TP, TA and M/S remote controlled functions; PTY (type of program management) and radio text management. The RDS doesn't disturb the audio signal. All necessary software is included.

800-662-4872; www.omb.com/en; usa@omb.com

Equipment sales and service

Progressive Concepts

Broadcast equipment dealer:

Founded by Eric Hoppe in 1990,

Progressive Concepts is a broadcast equipment supplier with its sales office and warehouse in the Chicago area. Progressive Concepts has provided its customers with high-quality products and services for 20 years. The company's philosophy is that the products it sells are of such high quality that there will be no reason to return them. Some items sold feature an exclusive 30-day no-fault guarantee, so items can be returned for a full refund.

630-736-9822; www.progressive-concepts.com

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Radio console network

Arrakis

AARC-NET: One of the important features of AARC-NET is that it integrates standard analog and digital consoles onto the network. Consoles already owned can be integrated into the system. AARC-NET is world standard CobraNet, not a custom one-of-a-kind network. Features include Ethernet audio networking, and cable and punch block replacement with one CAT-5 cable. It altogether eliminates or reduces the need for stand-alone routers, distribution systems, and long multi-pair cables, as well as the time and expense for configuration, maintenance and installation for traditional wiring.

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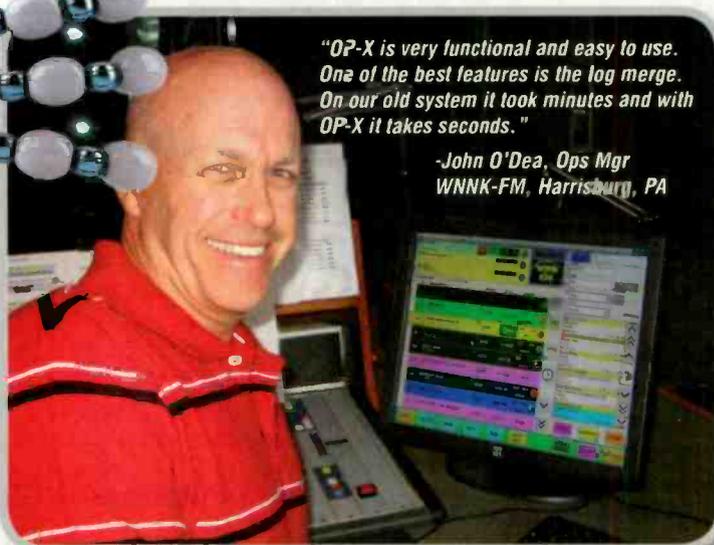
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-John O'Dea, Ops Mgr
WNNK-FM, Harrisburg, PA



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New Products



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800-446-2295; www.ramseyelectronics.com; sales@ramseymail.com

Obscenity delay Eventide

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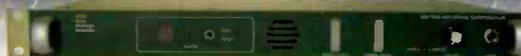


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Weather receiver Dayton Industrial Corp

AF630: A NOAA weather receiver housed in a 1RU chassis, this receiver offers a front panel that has a built-in monitor speaker with volume control. There are two 10-segment LED indicators, one for the modulation level indication and the other to indicate received signal level. The receiver has tone detector circuitry for the alarm circuit with front-panel indicator, test and reset controls. Rear-panel outputs are Line (RCA), SPKR (RCA), Relay (DIN) and balanced output (DIN). Input power is derived from a 12Vdc wall-mount converter. The receiver is phase lock loop controlled with the frequency of operation selected using an internal three-position DIP switch. A continuous receiver LINE audio output is provided. The SPKR output audio is controlled automatically by a tone detector circuit that monitors the receiver audio for the presence of a 1050Hz tone signal.

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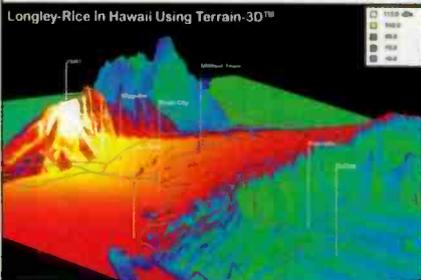


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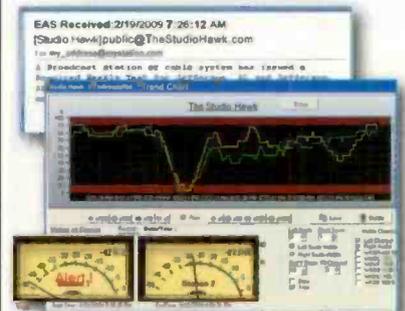
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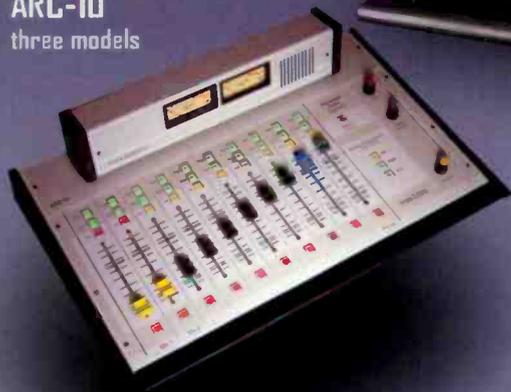
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