Broadcast-Grade Audio Even Over Public Internet

The APT WorldCast HorizonNextGen IP audio codec boasts patented SureStream technology to deliver the audio quality and reliability you expect from a T1/E1 link using inexpensive public Internet connections such as ADSL, wireless 3G and 4G, LAN, WAN and Wi-Fi. It also offers a wide range of algorithms as standard on a solid DSP platform with dual IP ports and redundant power supplies. Perfect for STLS and mission-critical applications, it provides extensive control and monitoring capabilities to manage both your audio, data and network conditions and other equipment located at the transmitter site.

- SureStream technology for broadcast-grade audio over inexpensive IP links
- Enhanced apt-X algorithm, Linear PCM and several MPEG variants
- Embedded auxiliary data for transmission of RBDS / RDS or PAD
- Dual IP ports for dual streaming applications or separate control/streaming
- DHCP for automatic configuration of IP connection settings
- Non-destructive, cascade-resilient coding with Enhanced apt-X
- Up to 4 opto-coupled inputs and up to 4 relay outputs
- Fast boot time for mission-critical environments
- Intuitive web-based user interface

STL System over IP

Now available in either a 1RU or 3RU chassis, APT’s Oslo IP-STM System delivers anywhere from 4 mono / 2 stereo to 28 mono / 14 stereo channels of linear PCM or apt-X encoded audio over IP links. Both analog and AES / EBU audio is available enabling paths at 15 kHz for FM and 20 kHz for HD Radio. The modular system offers slot-in AoIP modules that combine audio, IP transport and auxiliary data on a single card. Each card is capable of decoding four separate streams from four separate sources or time domains, eliminating the issues of clock drift associated with streaming multiple channels over IP to a single decoder. The AoIP System also features SureStream technology enabling T1 quality audio over low-cost IP links.

STL System over T1

The WorldNet Oslo T1-STM system transmits broadcast grade audio over T1 lines with minimal delay. Highly configurable, it can transmit either linear or enhanced apt-X encoded audio with digital or analog I/O. It can send two AES / EBU Paths at 15 kHz over a T1 for FM 1 & 2. It can also transport HD 1 & 2 UDP streams to the transmitter site in parallel with the audio streams.

The system is available as either a 1U chassis offering up to 3 duplex stereo pairs or a 3U chassis offering up to 6 (24 channels). Multiple levels of redundancy are available on the T1 STM System for maximum reliability.

Powerful Satellite Receivers

The X Digital XDS-PRO1Q is a digital audio receiver that lets radio stations receive audio broadcasts from a satellite or IP radio network (live broadcast as well as programs to be stored and played later). The PRO1Q gives radio networks the ability to target their advertising to specific locations so each receiver in a network can play localized spots and other content. In addition to copy splitting, it enables spot rotation, scheduling live, store and forward programs, audio insertion, and digital live recording with playback to delay time zone feeds. It supports one balanced audio output. The XDS-PRO4Q has the same great features but offers four balanced audio outputs. The XDS-PRO1QSG is a StarGuide-compatible version of the XDS-PRO1Q that will work with existing StarGuide networks.

Economical Analog STL System

The TFT 5200 Series analog STL system features up-to-the-minute technology in a budget-friendly package. Consisting of a transmitter and receiver pair, the TFT 5200 delivers a composite or mono signal with maximum flexibility and minimum of adjustment or configuration. The transmitters have a nominal output of 10 watts. The receivers have enhanced sensitivity for optimum fade margin and reliability, and built-in automatic switchover. The RF entire system is frequency agile and set by software from the front of the transmitter and receiver. Up/down pushbuttons let you select the desired frequency.

STL System For Every Broadcaster

Contact BSW For Lowest Prices
Moseley STLs Are Trusted By Broadcasters Worldwide

High Speed LAN/IP Transmitters
The high-speed Lanlink HS 900 and HS 900D are long-range (up to 30 miles) point-to-point/multipoint IP/Ethernet/IP-based facility controller solutions. They allow broadcasters to take advantage of existing 950 MHz aural STL antenna infrastructure and bring LAN connectivity, along with two RS-232 data circuits, between a single studio and multiple transmitter studio sites. The LanLink connects remote controls, audio codecs for back-up STL and can also provide audio/video connectivity.

<table>
<thead>
<tr>
<th>Model</th>
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<tr>
<td>LANLINKHS900</td>
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</tr>
<tr>
<td>LANLINKHS900D</td>
<td>$4,990.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices

Dedicated Starlink Amp
Specially designed for use with Moseley Starlink STL systems, the SL9000RFA linear power amplifier delivers 10 watts of output power for robust operation on difficult STL paths.

- Boosts STL link budget by 10 dB
- Operates within ratings of Moseley LanLink duplexer
- Output Isolator protects from antenna and cable faults

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>SL9000RFA</td>
<td>$4,250.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices

Gives you 8 uncompressed stereo audio streams!

High Capacity Digital Aural STL/TSL
The Moseley Event 5800 provides a bidirectional E1/IP link capable of eight uncompressed stereo audio streams and IP for remote networking applications. It combines conservative bandwidth allocation with powerful Reed-Solomon Error Correction, Trellis Coded Error Correction, and an interleaver to overcome multipath combining conservative bandwidth allocation with powerful Reed-Solomon Error Correction, Trellis Coded Error Correction, and an interleaver to overcome multipath combining conservative bandwidth allocation with powerful Reed-Solomon Error Correction, Trellis Coded Error Correction, and an interleaver to overcome multipath

- Transports up to 9 radio stations with uncompressed digital audio over a single link
- Bidirectional for backhaul of confidence monitor, RPU, or satellite downlinks
- IP Ethernet capacity supports network applications, remote servers, surveillance and security, Internet, and email connections
- Separate IDU and ODU design eliminates transmission line losses

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>EVENT5800</td>
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</table>

Contact BSW For Lowest Prices

Efficient STL Systems
Moseley’s Starlink SL9003Q is an open architecture, all-digital aural STL without compromise. Using spectrally efficient QAM (Quadrature Amplitude Modulation) technology, it conveys up to four linear uncompressed audio channels over a single narrow bandwidth 950 MHz STL channel. This uncompressed 16-bit linear audio is absolutely uncompromised and can be configured with up to two pairs of stereo audio (that’s like getting two radio signals for the price of one). AES/EBU I/O, combined with a sample rate converter, provide seamless connection without delay. Selectable digital audio sampling rates of 32, 44.1 or 48 kHz.

- SL9003Q2S 1 stereo pair 44.1 kHz audio sampling, 16 QAM modulation
- SL9003Q-4S 2 stereo pairs 32 kHz audio sampling, 32 QAM modulation (on request two 44.1 kHz stereo pairs at 128 QAM can be special ordered)
- SL9003Q-2SLAN 1 stereo pair 44.1 kHz, UDP Mux for HD Radio, 32 QAM mod.
- SL9003Q-4SLAN 2 stereo pairs 32 kHz, UDP Mux for HD Radio, 64 QAM modulation

Contact BSW For Lowest Prices

Digital STL System Over T1
The Starlink 9003T1 is a powerful, all-digital modular system for transmitting high-quality audio over T1 lines. It provides great flexibility in configuring multiple channel STL/TSL. It uses a range of personality modules and daughter cards in a 3-rack unit mainframe. The mainframe can house up to eight application-specific modules including 16-bit PCM linear digital audio, ISO/MPEG layer II or apt-X source coding and more.

- SL9003T1-2XO 2-channel, simplex (uni-directional) T1 STL system with AES and Analog I/O, 1X3
- SL9003T12X2 2-channel, duplex (bi-directional) T1 STL system with AES and Analog I/O, 2X2
- SL9003T12X2LAN 2-channel, duplex T1 STL system with LAN duplex Ethernet channel

Contact BSW For Lowest Prices

State Of The Art Audio Transporter
The Moseley Rincon Software Defined Audio Transporter delivers multichannel digital audio over IP, TDM or Radio links and networks simultaneously. Rincon conveys four AES stereo audio channels in 2x2, 4x0 or 3x1 configurations, and operates linear uncompressed, MPEG Layer 2 and MP3, AAC LC and LD, G.711 and G.722.

- RINCON300 with AES I/O and remote control
- RINCON413 with AES and Analog I/O, 3X1
- RINCON422 with AES and Analog I/O, 2X2
- RINCON431 with AES and Analog I/O, 1X3
- RINCON440 with AES AND ANALOG I/O, 4X0

Contact BSW For Lowest Prices

Why Don’t We Print Our Prices? We are constantly negotiating with our vendors, buying in bulk and putting together special packages to bring you the best price every day.

1-800-426-8434 • www.bswusa.com/stl • info@bswusa.com
Always ON.
The engineer is the “behind the scenes HERO” that makes sure radio stays ‘ON’. He’s on call around the clock—weekends, holidays, every day—because he has to be. Radio is always ‘ON’ and he is the one that makes sure it stays that way. At BSW, we salute this hero of radio and are dedicated to serving him.

"I know I can count on BSW, and now my daughter who’s starting her own engineering career knows the same. I like that I can call anytime and reach someone with knowledge of the equipment they offer and if they don’t know the answer, they’ll quickly get the answer...even to the point of a conference call with the manufacturer. It’s also good knowing that BSW has in stock many of the products they sell so delivery time to the 'Valley of the Sun' is reduced."

—Chuck Beck, Phoenix, AZ
New E-Series FM Transmitters

10 Year Warranty available!

Digital Modulator for Crystal Clear Audio | Highest Signal Quality
Exceptional Reliability | Expert Maintenance Reporting
Advanced Measurement Interface | Control via TCP/IP
Up to 74% Overall Efficiency | Stereo Encoder | Built-In RDS Encoder

Crown Broadcast IREC | kkoselke@irec1.com | tel: 574-262-8900 | www.crownbroadcast.com
RF EQUIPMENT - TRANSMITTERS

See our full line of transmitters at www.bswusa.com/transmitters

Need to see more?
See our full line of transmitters at www.bswusa.com/transmitters

At BSW, we put a little bit of ourselves in every order!

BSW has been a huge contributor to the success of EMF Broadcasting’s mission! Time after time, BSW’s Sales Team has gone the extra mile to ensure availability and timely shipment of critical equipment. —Rick Heerema, Procurement & Logistics Specialist, EMF Broadcasting Engineering

Cutting-Edge Crown FM Transmitters

The Crown E Series
Direct To Channel Digital FM Transmitters

Crown Broadcast’s new E Series of digital FM transmitters boasts the latest technology for superior performance. It also offers an industry-leading warranty of up to 10 years with a proactive maintenance service. Each model features a built-in direct to frequency digital exciter for great sound quality and flexibility, as well as built-in dynamic RDS encoding, FM Limiter, Digital Stereo Generator, user-adjustable FSK identification and full command and control via Web Server, SNMP, RS232 or GPIOs. The E series transmitters are powered by the industry giant, Ecreso, in collaboration with Crown Broadcast.

- Totally solid-state, no tune
- Direct to frequency digital modulator for ultra-clear audio quality
- TCP/IP, SNMP management
- Advanced Measurement Interface for detailed analysis of the RF Spectrum, MPX Spectrum, Audio Spectrum and Peak Meters
- Built-in RDS encoder
- Powered by Ecreso
- Up to 10-Year warranty
- FCC Type Certified for LPFM

FME-20 20 watt, 2RU with GPIO  $3,160.00
FME-100 100 watt, 2RU with GPIO  $3,990.00
FME-350 350 watt, 3RU with GPIO  $4,990.00
FME-750 750 watt, 3RU with GPIO  $5,990.00
FME-1000 1,000 watt, 3RU with GPIO  $6,990.00
FME-1500 1,500 watt, 3RU with GPIO  $9,490.00
FME-2000 2,000 watt, 3RU with GPIO  $10,990.00
FME-5000 5,000 watt, 3RU with GPIO  $33,995.00

Contact BSW For Lowest Prices

See the video at bswusa.com/FME750

The largest selection of RF Equipment on the planet
BSW is Your Best Source for Quality Crown Transmitters

High Performance FM Transmitters
Crown Broadcast FM transmitters feature a built-in audio processor and stereo generator (higher power models also include an exciter) and deliver a consistently high level of performance.

Boasting low loss circuit boards and copper heat spreaders in the RF chain, they function with less heat and improved life span. A robust power supply with switching voltage and power regulators for AC or DC operation let you use them anywhere power can be generated.

The 4 kW FM4000T consists of two FM2000A transmitters with two redundant PA systems and two redundant power supplies. It can operate with the loss of one PA or PS at 1,100 watts, and if both go down it can operate at 250 watts exciter power for the ultimate in up time!

<table>
<thead>
<tr>
<th>Model</th>
<th>Power</th>
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<tbody>
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<tr>
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</table>

Contact BSW For Lowest Prices

FM Translators With Built-In Receiver
Crown Broadcast stand-alone FM translators boast a built-in receiver and are specifically designed to meet today's broadcast needs.

Low loss circuit boards and copper heat spreaders in the RF chain let them operate with less heat and improved life span. A robust power supply with switching voltage and power regulators for AC or DC operation gives you extra flexibility.

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<thead>
<tr>
<th>Model</th>
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<td>FM600R</td>
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<td>$8,995.00</td>
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</tbody>
</table>

Contact BSW For Lowest Prices

Frequency Agile FM Exciters
Crown Broadcast stand-alone FM exciters are frequency agile and offer SWR metering from remote control. Like all Crown Broadcast gear, they are built to last.

- Frequency Agile from front panel
- SWR metering from remote control
- Ability to control output power from remote control
- 3-Year warranty
- 24-hour service support
- Meets or exceeds all FCC requirements

<table>
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<tr>
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<tbody>
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</table>

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Why Don't We Print Our Prices? We are constantly negotiating with our vendors, buying in bulk and putting together special packages to bring you the best price every day.

Replacing network with Crown Transmitters. BSW was very easy and helpful replacing these units.

Tallahassee, FL
RF EQUIPMENT - TRANSMITTERS

Rugged, Modular Exciters/Transmitters
The BEXT XT 30 is a value-priced exciter offering 30 watts of power in a compact, 1 RU stainless steel enclosure. Frequency agile, its functions are accessible via a handy LCD display. It also features a built-in stereo generator, a modular design for easy servicing and much more. The XT 700 solid-state, modular FM exciter/transmitter delivers up to 700 watts of power in a rugged, stainless steel 2 RU enclosure. It offers fast access to all functions and parameters via a user-friendly menu display and features instant frequency programmability directly from the front panel.

XT700 700W FM exciter/transmitter
XT30 30W FM Exciter/Transmitter

Powerful, Ultra-Compact Transmitters
The BEXT XL series of solid-state FM transmitters features models of up to 2,000 watts in lightweight, ultra compact 2-RU enclosures. All models come standard with a built-in exciter (direct audio input) and a convenient large LCD display, with frequency and parameters settable through the front panel menu or remotely. All functions including frequency reassignment can be remotely supervised and controlled by PC via modem.

XL1000 Up to 1000W
XL1500 Up to 1500W
XL2000 Up to 2000W

Solid-State, Modular Exciter/Transmitter
The BEXT XT 500 solid-state, modular FM exciter/transmitter delivers up to 500 watts of power in a rugged, stainless steel 2 RU enclosure. It offers fast access to all functions and parameters via a user-friendly menu display and features instant frequency programmability directly from the front panel.

XT500 Up to 500W FM exciter/transmitter
XT300 Up to 300W
XT150 Up to 150W

Broadband, Solid-State FM Amplifiers
These highly efficient FM amplifiers from BEXT offer high reliability, easy handling and consistent performance. Totally broadband, with no tuning requirement, they give you fast access to all functions and parameters via user-friendly menu displays with pushbuttons. Automatic gain control provides fixed output power even in case of fluctuating drive power, while excessive temperature and excessive drive power protection ensures ultra-reliability.

FR500 500W
FR700 700W

BEXT FR500
BEXT FR700

The Best from BEXT
BSW is delighted to offer BEXT solid-state transmitters and amplifiers, renowned for their high quality, low maintenance operation in even the most challenging environments.

PTEK Transmitters
Transmitter/Exciters Feature Built-in Stereo Generator
Designed and manufactured in the USA, PTEK ES Series solid-state FM exciters/transmitters cover 20 to 1000 watt power ranges and offer full remote control ability.

FM150ES 150W FM Exciter/Transmitter
FM300ES 300W FM Exciter/Transmitter
FM500ES 500W FM Exciter/Transmitter
FM1050ES 1200W FM Transmitter

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See the video at bswusa.com/ES

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Price match guarantee: BSW will match any competitor’s advertised price.
Ultra-Reliable Armstrong Transmitters

Single Tube Three Phase FM Transmitters
Armstrong's Single Tube Transmitters boast a grounded grid, broadband PA design that offers several benefits not found in other transmitters. The single tube in this configuration never oscillates and does not need to be neutralized (this is also the most stable transmitter design available). Depending on the power level of your transmitter you may enjoy tube life up to 5 years or more, while the broadband design of the PA offers the lowest AM noise levels to be found in a tube transmitter.

These transmitters are loaded with safety features. Thermostatic protection will shut down the transmitter in the event of PA overheating before major damage to the tube or other PA components can occur. A fiber optic arc detection circuit will alert you of PA arcing. Heat sensors will trigger user-selected alarms that will alert your engineer to overheating components.

Power supply components are on a dolly that rolls out from the transmitter cabinet. This lets the engineer have complete access to all components without having to squeeze into the transmitter cabinet.

FM10000T2 10 kW  $44,750.00
FM15000T2 15 kW  $55,600.00
FM20000T2 20 kW  $67,550.00
FM35000T2 35 kW  $84,500.00

Contact BSW For Lowest Prices

Armstrong X Series Solid-State AM Transmitters
These rugged and reliable 500- and 1000-watt AM transmitters offer high quality audio with low maintenance and are the perfect solution for replacing older style solid state and tube AM transmitters.

Housed in a heavy-duty aluminum chassis, they easily fit into a 19" rack taking up only seven rack spaces (12.25”). They boast three power level settings that can be easily field set to give you versatility for full power and pre sunrise/post sunset power adjustment. They are HD Radio compatible, with an external RF input that can easily be field set to give you versatility for full power and pre sunrise/post sunset power adjustment. They are HD Radio compatible, with an external RF input that can be used for digital signal injection, and offer complete remote control capability via a rear mounted DB 25 connector.

• Optimized multiphase modulator (flat group delay, low source impedance)
• Capable of +150% positive modulation
• Designed to easily accept the new digital IBOC signal
• Three preset power level settings that can be easily field set to give you versatility for full power and pre sunrise/post sunset power adjustment
• Two hot-pluggable 600 Watt RF modules for extra reliability and headroom
• Two high efficiency switching power supplies
• Fully redundant RF, modulator, cooling system and power supplies
• +90% RF PA efficiency

X500B  500 Watt  $8,850.00
X1000B 1000 Watt  $11,450.00

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Series B Solid-State Transmitters With Exciters
Armstrong Series B solid-state FM transmitters utilize a building block approach to achieve the required transmitter output power. Multiples of Armstrong’s FM2000B self-contained solid-state amplifier are rack mounted with an appropriately sized driver and externally combined. The amplifier uses 300-watt RF modules that contain the Philips BLF 278 MOSFET. This commonly available FET has been proven in thousands of solid-state transmitters in use worldwide.

The transmitters also come with a CD-quality FMX Series exciter, redundant power supplies, are remote control ready, and are compatible with HD Radio. Each output device is thermostatically protected and protected against excessive VSWR by a fold back circuit, which proportionally reduces power when VSWR is present. In addition the transmitter combiner also triggers fold back when external VSWR is detected.

Metering and Alarm indications are available for each amplifier, the exciter and the driver. And overall transmitter metering and alarms are available both on the transmitter and for remote monitoring via a DB25 connector.

• Self contained 2 kW solid-state amplifiers
• Redundant power supplies (3 per amplifier)
• Complete status for individual amplifiers
• Total system status and control
• VSWR foldback and protection

FM650B 650 Watt: FM650B + FMX-30B  $7,350.00
FM1300B 1.3 kW: FM1300B + FMX-30B  $11,350.00
FM2500B 2.5 kW: FM2500B + FMX-30B  $17,175.00
FM5000B 5 kW: (2X) FM2500B + FMX150B  $42,375.00
FM7500B 7.5 kW: (3X) FM2500B + FMX150B  $55,375.00
FM10000B 10 kW: (4X) FM2500B + FMX-300B  $69,475.00
FM12500B 12.5 kW: (5X) FM2500B + FMX-300B  $89,525.00

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TFT Sound Quality

6-Channel Un-Compressed Digital STL

EAS Solutions For Digital and Analog

Modulation Monitors With Built-In Calibrators

TFT, the leader in Monitoring, STLs, & EAS since 1970. Still manufacturing a complete line of:

STLs - Digital (Up to 3 AES/EBU or L,R pairs) and Analog to 100 Watts
Monitors - AM, FM, and BTSC
EAS - Encoder/decoders, receivers, and other accessories
The Best EAS Technology is Always at BSW

Proven EAS Encoder/Decoder
The Sage Digital ENDEC offers an internal AES/EBU interface, LAN support, and a Web Browser-based interface to support a new generation of EAS users. While the Digital ENDEC continues to support Radio, TV and Cable users, it also supports the first responder and state/county/local emergency centers with emerging standards such as IPAWS and CAP. Future-proof, it is designed to be ready for future revisions to the EAS system. Accessories include Pro and Lite versions of Emergency Management Software, a relay panel to control up to 3 additional stations from a single ENDEC and a remote control to activate functions within the ENDEC system. See our website for more details.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>List Price</th>
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<td>DIGITALENDEC</td>
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<tr>
<td>ENDEC-RC1</td>
<td>Remote control</td>
<td>$1,150.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices

Powerful Digital EAS Encoder/Decoder
The Digital Alert Systems DASDEC-II covers all current EAS requirements and supports a wide range of physical connections and interface protocols. Whether simple GPI/O, over serial, USB, or IP-networking, master control and station automation are within its control capabilities. It covers both stereo analog and digital (AES) audio switching and incorporates a fail-safe bypass to eliminate off-air worries.

It boasts dual GPI/O (2 in, 2 out) with selective FIPS/EAS message based triggering, as well as a hardware expansion slot to accommodate either an 8 port GPI/O board, a dual audio input expansion for a total of 6 monitored inputs, or the MPEG output encoder. It also supports several optional network attached GPI/O modules for triggering equipment at co-located or remotely located sites. Visit our website for complete details on DASDEC-II systems.

EAS Encoders/Decoders, Decoder
The TFT EAS 911R2 is an FCC Type-Certified EAS Encoder/Decoder with two balanced audio inputs, one RS-232C input, a balanced audio output, an RS-232C output, impact printer and digital voice recorder. The 911R2EAS sports four audio inputs. The EAS911D permits full EAS compliance for stations that qualify for decoder-only operation. It boasts two frequency-agile receivers (one AM, one FM is standard) for FCC mandated monitoring assignments.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<td>EAS911R2</td>
<td>Encoder/Decoder, 2 inputs</td>
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</tr>
<tr>
<td>EAS911D</td>
<td>Decoder, 2 built-in receivers</td>
<td>$2,105.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices
BSW is Your Source For all Things EAS

Stand-Alone CAP-to-EAS Converter

The Gorman-Redlich CAP-DEC 1 is a stand-alone CAP-to-EAS converter for use with your existing emergency alerting equipment. This cost-effective device allows broadcasters to easily meet Common Alerting Protocol (CAP) compliance requirements mandated by the FCC without requiring the purchase of an additional encoder/decoder system or other costly equipment. The CAP-DEC 1 is CAP 1.2 compliant and requires only one unit of rack space. Compatible with any existing EAS encoder/decoder made by any manufacturer, it features a powerful 1.6GHz dual core processor and 1GB of memory, built-in text-to-speech conversion functionality, fast Gigabit network capability with built-in firewall for security, automatic clock synchronization via NTP servers, and nearly limitless storage capacity for logs and audio messages. It lets you print alert reports to USB or network printer, update software via LAN or USB, and gives you the option to print, store and email logs via its built-in email server. Ready for anything, the CAP-DEC 1 boasts five USB ports for peripherals.

Gorman EAS1 EAS Encoder/Decoder

Gorman-Redlich provides a cost-effective EAS system. Features: 6 audio inputs; selectable manual or automatic modes; programmable automatic interruption of stereo program lines; five programmable relays to supply contact closures for automation or other signal equipment; messages can be scrolled on a PC screen. The EAS-1/CG adds a character generator, requires CAP-DEC1 to be legal.

Affordable EAS Rackmount 3-Receiver Chassis

Dayton provides a cost-effective receiver package for EAS requirements. The AFC3 receiver rack holds three receivers. It is already outfitted with connectors and circuitboards so all you have to do is choose from any combination of AM, FM, NOAA Weather or Public Service receivers to fill the rack (each receiver is sold separately).

The AF225C3 is a precision FM (mono) broadcast receiver that is PLL controlled. The frequency of operation is selected using internal DIP switch combinations. A continuous LINE receiver output is provided as well as an audio output for driving an 8 Ohm speaker. The AF315C3 is the AM version. The AF612C3 is a special receiver for NOAA weather radio broadcasts in the VHF public service bands at 162.400, 162.425, 162.450, 162.475, 162.500, 162.525 and 162.550 MHz. It is designed to meet professional EAS equipment input requirements and features a built-in alarm tone detector. The AF810C3 is a PLL controlled, public service band monitor designed for monitoring the 148 to 175 MHz range with tone detectors to un-mute the receiver.

Essential CAP-to-EAS Converter

The 320 CAP-to-EAS Converter (CAP-EAS) continuously monitors a CAP source to seek new emergency messages and generates an EAS protocol output for connection to existing FCC Type Certified EAS Encoder/Decoders. It connects to the Internet via an RJ-45 jack and has a high level audio output for connection to the EAS Encoder/Decoder. When connected to a TFT EAS 911, it will monitor message activity, report status, and can even email staff accordingly. The unit switches to an alternate server(s) in the event of primary server failure and sends feedback of its status to the CAP server. Updates are handled automatically between the it and the CAP server without any operator intervention. It provides the FCC mandated link between CAP and EAS and can connect to any FCC approved EAS encoder/decoder or decoder only.

Multi-Module EAS Receiver System

The compact EAS 930A Multi-Module Receiver for use with TFT’s EAS 911 Emergency Alert System (adjacent page) is digitally tunable from the front panel and comes complete with chassis, built-in monitor, power supply, AM receiver module, FM receiver module, and 7-channel NOAA Weather Radio Receiver module. All modules are frequency-synthesized and offer auto-changeover and alarm. A front panel LED in each receiver confirms proper RF and audio levels. A 4th slot is available for another receiver: AM, FM, VHF-Low, VHF-High, or UHF public safety.
Tuners

Quartz Synthesized AM/FM/RDS Tuner
Rolls’ latest AM/FM tuner comes in a tight single-rack-space package and adds new features such as RDS display, programmable 9-10 kHz AM centers switching so it may be operated in the United States as well as Europe, 40 AM/FM presets, headphone output, XLR outputs and signal strength meter. Remote control included.

HR78 List $269.00

Digital AM/FM Tuner
Replace your old analog tuner with the compact Rolls HR78. The HR78 is a PLL synthesized digital AM/FM tuner in a feature-packed half-rack-size chassis. It comes with FM and AM antennas, and the 1/8” output has plenty of juice to drive a pair of headphones.

• Retains presets when power is off
• 18 presets, 12 FM and 6 AM
• Large LCD digital display
• Output Level control
• Auto search up and down

HR78 List $179.00

Budget-Friendly AM/FM Tuner
The TU690 is an affordable AM/FM rack mountable tuner with an extensive feature set.

TU690 List $299.99

Fully Loaded FM Relay Receiver
Inovonics secures its place at the forefront of 21st century technology with the Model 631—the latest frequency-agile, digitally tuned receiver for FM translator and other off-air applications.

• Menu-driven access of display and function selections
• Dual IF bandwidth for quickly clearing up adjacent-signal problems
• Easy antenna alignment thanks to crisp readouts of signal strength and multi-path distortion
• Remote controllable

AF210 List $429.95

FM/SCA Receiver with Stereo Demodulator
Designed for FM monitoring requirements, the Dayton AF210 has Stereo, SCA and RDS demodulators.

• Frequency PLL controlled (switch selectable)
• Wide and narrow band AGC to prevent overload
• Selectable 25, 50 or 100 kHz (standard) frequency tuning steps
• LED indicators for signal strength, main carrier, SCA carrier, RDS presence and more
• Balanced and unbalanced outputs
• Composite audio output, SCA audio output

AF210 List $639.95

Contact BSW For Lowest Prices
DAYTON INDUSTRIAL CORPORATION

Dual AM/FM Tuner in One Rackspace
Two tuners in a single rack space! The Australian Monitor MYMDT dual AM/FM tuner is perfect for off-air monitoring in the control room or other studios where you need to verify signal. It features 10 user selectable presets and AM Mono, FM stereo outputs on both tuners. Basic antenna included.

MYMDT List $352.80

Budget-Friendly AM/FM Tuner
The TU690 is an affordable AM/FM rack mountable tuner with an extensive feature set.

TU690 List $329.99

Contact BSW For Lowest Prices
DAYTON INDUSTRIAL CORPORATION

Frequency-Agile FM/SCA Desktop Receiver
The AF200A is a desktop receiver with great sensitivity, carrier operated relay, balanced outputs, and carrier and modulation indicators for both the main and SCA received signals.

AF200A List $289.00

DAYTON INDUSTRIAL CORPORATION

Control up to Four Stations with One ENDEC
DM Engineering’s Multi Station Relay Adapters (MSRA and MSRA-RM) are microprocessor based, three stereo channel accessories for the Sage ENDEC EAS encoder-decoder that allow a single ENDEC to control up to four stations. They are compatible with the original Sage ENDEC SE1822 and the Digital ENDEC 3644 when used in the analog audio mode. All digital commands and EAS audio is supplied by the ENDEC, and the MSRA interprets these commands to select the appropriate station or stations for EAS broadcast.

MSRA Tabletop model $179.00
MSRA-RM Rackmount model $269.00

MSRA-MR

MSRA

But wait! There's more.

See our full line of inventory at www.bswusa.com/receivers
BSW Offers a Great Selection

Jampro FM Antennas

Since 1954, Jampro has delivered consistent performance and quality based on rock-solid engineering. Today, over 15,000 broadcasters worldwide benefit from Jampro systems, and BSW is the number one source for Jampro antennas.

Circularly Polarized Low Power FM Antennas (may also be used for translators)
The JLCP is designed specifically for omni-directional low power applications such as LPFM, Translator and Booster stations.

<table>
<thead>
<tr>
<th># Bays</th>
<th>Model #</th>
<th>Input Connector</th>
<th>List Price</th>
<th>Max input power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>JLCP-1</td>
<td>Type &quot;N&quot;</td>
<td>$850.00</td>
<td>500 Watts</td>
</tr>
<tr>
<td>2</td>
<td>JLCP-2</td>
<td>Type &quot;N&quot;</td>
<td>$1,070.00</td>
<td>500 Watts</td>
</tr>
<tr>
<td>2</td>
<td>JLCP-2-1KW</td>
<td>7/8&quot; EIA</td>
<td>$2,305.00</td>
<td>1KW</td>
</tr>
<tr>
<td>2</td>
<td>JLCP-2-2KW</td>
<td>7/8&quot; EIA</td>
<td>$3,375.00</td>
<td>2KW</td>
</tr>
<tr>
<td>3</td>
<td>JLCP-3</td>
<td>7/8&quot; EIA</td>
<td>$4,200.00</td>
<td>1KW</td>
</tr>
<tr>
<td>3</td>
<td>JLCP-3-1KW</td>
<td>7/8&quot; EIA</td>
<td>$6,325.00</td>
<td>2KW</td>
</tr>
<tr>
<td>4</td>
<td>JLCP-4</td>
<td>Type &quot;N&quot;</td>
<td>$5,000.00</td>
<td>500 Watts</td>
</tr>
<tr>
<td>4</td>
<td>JLCP-4-1KW</td>
<td>7/8&quot; EIA</td>
<td>$6,905.00</td>
<td>1KW</td>
</tr>
<tr>
<td>4</td>
<td>JLCP-4-2KW</td>
<td>7/8&quot; EIA</td>
<td>$7,605.00</td>
<td>2KW</td>
</tr>
</tbody>
</table>

Vertically Polarized Low Power FM Antennas
Available in configurations up to 8 bays. Contact BSW for more details.
The JLVP is a low power antenna designed specifically for omni-directional translator/booster applications. The simplicity of the JLVP design gives low power stations the flexibility needed to meet their individual requirements.

<table>
<thead>
<tr>
<th># Bays</th>
<th>Model #</th>
<th>Input Connector</th>
<th>List Price</th>
<th>Max input power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>JLVP-1</td>
<td>Type &quot;N&quot;</td>
<td>$935.00</td>
<td>500 Watts</td>
</tr>
<tr>
<td>1</td>
<td>JLVP-1-1KW</td>
<td>7/8&quot; EIA</td>
<td>$1,195.00</td>
<td>1KW</td>
</tr>
<tr>
<td>2</td>
<td>JLVP-2</td>
<td>Type &quot;N&quot;</td>
<td>$1,750.00</td>
<td>500 Watts</td>
</tr>
<tr>
<td>2</td>
<td>JLVP-2-1KW</td>
<td>7/8&quot; EIA</td>
<td>$2,935.00</td>
<td>1KW</td>
</tr>
<tr>
<td>4</td>
<td>JLVP-4</td>
<td>Type &quot;N&quot;</td>
<td>$4,080.00</td>
<td>500 Watts</td>
</tr>
<tr>
<td>4</td>
<td>JLVP-4-1KW</td>
<td>7/8&quot; EIA</td>
<td>$5,045.00</td>
<td>1KW</td>
</tr>
</tbody>
</table>

Circularly Polarized Medium Power FM Antennas
Radomes and configurations up to 12 bays available. Contact BSW for more details.
The JMPC antenna is the medium power version of the acclaimed PENETRATOR antenna, which has become an industry standard for quality and performance.

<table>
<thead>
<tr>
<th># Bays</th>
<th>Model #</th>
<th>Input Connector</th>
<th>List Price</th>
<th>Max input power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>JMPC-1</td>
<td>1-5/8&quot; EIA female</td>
<td>$3,520.00</td>
<td>10 kW</td>
</tr>
<tr>
<td>2</td>
<td>JMPC-2</td>
<td>1-5/8&quot; EIA female</td>
<td>$5,080.00</td>
<td>10 kW</td>
</tr>
<tr>
<td>3</td>
<td>JMPC-3</td>
<td>1-5/8&quot; EIA female</td>
<td>$7,590.00</td>
<td>10 kW</td>
</tr>
<tr>
<td>4</td>
<td>JMPC-4</td>
<td>1-5/8&quot; EIA female</td>
<td>$10,155.00</td>
<td>10 kW</td>
</tr>
</tbody>
</table>

Circularly Polarized High Power Antennas
The JAMPRO JHPC antenna is the high power version of the industry-standard PENETRATOR antenna, offering exceptional performance and rugged design.

<table>
<thead>
<tr>
<th># Bays</th>
<th>Model #</th>
<th>Power Gain</th>
<th>List Price</th>
<th>Max input power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>JHPC-1</td>
<td>0.46</td>
<td>$4,935.00</td>
<td>10 kW</td>
</tr>
<tr>
<td>2</td>
<td>JHPC-2</td>
<td>1.00</td>
<td>$7,910.00</td>
<td>20 kW</td>
</tr>
<tr>
<td>3</td>
<td>JHPC-3</td>
<td>1.5</td>
<td>$10,870.00</td>
<td>25 kW</td>
</tr>
<tr>
<td>4</td>
<td>JHPC-4</td>
<td>2.1</td>
<td>$14,270.00</td>
<td>35 kW</td>
</tr>
</tbody>
</table>

Why don't we print our discount prices?

We're not being coy. We're not playing hard to get. We just want to give you the best possible deal. We're constantly negotiating for the best possible price, so sometimes we can go lower than a manufacturer's minimum allowed advertised price. But if we made the price public we'd be violating our agreement with them. We also don't want to look like we're bragging (we're a modest bunch at BSW).

Another way we can bring you lower prices is through volume discounts. Just give us your equipment wish list and let our expert sales people work their magic. We think you'll be glad you did.
of Broadcast Antennas

ERI FM Antennas

For more than 65 years, ERI has served the broadcast industry with products of the highest quality and dependability. BSW is proud to offer a wide line of ERI antennas to meet your broadcast needs.

Low Power FM Antennas (1 - 4 bays)

The 100A Series antenna is the latest development in ERI’s famous ROTOTILLER® style FM antenna. The 100A Series antenna is designed for non-pressurized, translator and low power FM applications. This antenna is also available in half wavelength bay-to-bay configurations, which will limit RFI problems by reducing downward and upward radiation.

ERI Fm antennas

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Mounting brackets and attachment hardware suitable for round members up to 4” diameter are included. Stand-off pole mounting brackets and antenna input jumper cables are also available. Contact BSW for your specific application.

<table>
<thead>
<tr>
<th>Type</th>
<th># Bays</th>
<th>Model #</th>
<th>Input Connector</th>
<th>List Price</th>
<th>Max input power</th>
</tr>
</thead>
<tbody>
<tr>
<td>100A Series single bay low power FM antenna, Numeric Power Gain: 0.42</td>
<td>1</td>
<td>100A-1M</td>
<td>7-16 DIN Male</td>
<td>$4,860.00</td>
<td>1000 watts</td>
</tr>
<tr>
<td>100A Series two bay low power FM antenna, full wavelength bay to bay spacing, Numeric Power Gain: 0.90</td>
<td>2</td>
<td>100A-2F</td>
<td>7-16 DIN female</td>
<td>$9,621.00</td>
<td>2000 watts</td>
</tr>
<tr>
<td>100A Series four bay low power FM antenna, full wavelength bay to bay spacing, Numeric Power Gain: 1.92</td>
<td>4</td>
<td>100A-4F</td>
<td>7-16 DIN female</td>
<td>$17,127.00</td>
<td>2000 watts</td>
</tr>
<tr>
<td>100A Series two bay low power FM antenna, half wavelength bay to bay spacing, Numeric Power Gain: 0.63</td>
<td>2</td>
<td>100A-2F-HW</td>
<td>7-16 DIN female</td>
<td>$9,621.00</td>
<td>2000 watts</td>
</tr>
<tr>
<td>100A Series four bay low power FM antenna, half wavelength bay to bay spacing, Numeric Power Gain: 1.18</td>
<td>4</td>
<td>100A-4F-HW</td>
<td>7-16 DIN female</td>
<td>$17,127.00</td>
<td>2000 watts</td>
</tr>
</tbody>
</table>

Medium Power FM Antennas (1 - 4 bays)

ERI is the only manufacturer to use large diameter outer conductors and a completely enclosed, pressurized, internal series feed system. The result is a simple and reliable method of coupling power to the elements. Unlike competing designs, ERI series fed antennas do not require a troublesome secondary current loop for element excitation with all the resulting disadvantages. All ERI antennas include brackets for mounting on leg, pole, or face mounting (up to 42-inch uniform cross section tower); brackets for other mounting configurations are optionally available. Contact BSW for your specific application.

<table>
<thead>
<tr>
<th>Type</th>
<th># Bays</th>
<th>Model #</th>
<th>Input Connector</th>
<th>List Price</th>
<th>Max input power</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPX Series Single Bay Medium Power FM Antenna, End Fed. Numeric Power Gain: 0.4611</td>
<td>1</td>
<td>LPX-1E</td>
<td>1-5/8-inch EIA female</td>
<td>$4,490.00</td>
<td>9 kW</td>
</tr>
<tr>
<td>LPX Series two bay medium power FM antenna, center fed, full wavelength bay to bay spacing. Numeric Power Gain: 0.9571</td>
<td>2</td>
<td>LPX-2C</td>
<td>3-1/8-inch EIA female</td>
<td>$8,110.00</td>
<td>12 kW</td>
</tr>
<tr>
<td>LPX Series three bay medium power FM antenna, end fed, full wavelength bay to bay spacing. Numeric Power Gain: 1.5588</td>
<td>3</td>
<td>LPX-3C</td>
<td>3-1/8-inch EIA female</td>
<td>$12,207.00</td>
<td>12 kW</td>
</tr>
<tr>
<td>LPX Series four bay medium power FM antenna, end fed, full wavelength bay to bay spacing. Numeric Power Gain: 2.1332</td>
<td>4</td>
<td>LPX-4E</td>
<td>1-5/8-inch EIA female</td>
<td>$16,000.00</td>
<td>12 kW</td>
</tr>
<tr>
<td>LPX Series two bay medium power FM antenna, end fed, half wavelength bay to bay spacing. Numeric Power Gain: 0.702</td>
<td>2</td>
<td>LPX-2E-HW</td>
<td>1-5/8-inch EIA female</td>
<td>$4,049.00</td>
<td>9 kW</td>
</tr>
<tr>
<td>LPX Series two bay medium power FM antenna, center fed, half wavelength bay to bay spacing. Numeric Power Gain: 0.702</td>
<td>2</td>
<td>LPX-2C-HW</td>
<td>3-1/8-inch EIA female</td>
<td>$6,966.00</td>
<td>12 kW</td>
</tr>
<tr>
<td>LPX Series three bay medium power FM antenna, end fed, half wavelength bay to bay spacing. Numeric Power Gain: 1.012</td>
<td>3</td>
<td>LPX-3E-HW</td>
<td>1-5/8-inch EIA female</td>
<td>$9,883.00</td>
<td>9 kW</td>
</tr>
<tr>
<td>LPX Series three bay medium power FM antenna, center fed, half wavelength bay to bay spacing. Numeric Power Gain: 1.012</td>
<td>3</td>
<td>LPX-3C-HW</td>
<td>3-1/8-inch EIA female</td>
<td>$12,027.00</td>
<td>12 kW</td>
</tr>
<tr>
<td>LPX Series four bay medium power FM antenna, end fed, half wavelength bay to bay spacing. Numeric Power Gain: 1.307</td>
<td>4</td>
<td>LPX-4E-HW</td>
<td>1-5/8-inch EIA female</td>
<td>$14,944.00</td>
<td>9 kW</td>
</tr>
</tbody>
</table>

Antennas / STL / RPU

Popular Yagi, Log Periodic, and Grid models for use in the 160, 450 and 950 MHz bands. Please note that this is only a sampling. Contact your BSW professional for additional items.

Kathrein

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR950</td>
<td>Antenna, Paraflector</td>
<td>$852.00</td>
</tr>
<tr>
<td>MF950B</td>
<td>Antenna,940-960MHz,Miniflector</td>
<td>$846.00</td>
</tr>
<tr>
<td>MKPX2</td>
<td>Mounting Bracket 2.375”</td>
<td>$295.00</td>
</tr>
</tbody>
</table>

Kathrein

<table>
<thead>
<tr>
<th>Type</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TY900</td>
<td>Yagi Antenna</td>
</tr>
<tr>
<td>CAT-460</td>
<td>Yagi Antenna 450-470 Frequency Range</td>
</tr>
<tr>
<td>HDCA10-HCM</td>
<td>Yagi FM Antenna.</td>
</tr>
</tbody>
</table>

Kathrein

<table>
<thead>
<tr>
<th>Type</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>YAF-FMH-HCM</td>
<td>Yagi Receive Antenna</td>
</tr>
</tbody>
</table>

Marti

<table>
<thead>
<tr>
<th>Type</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC48</td>
<td>4 Ft Parabolic Antenna</td>
</tr>
<tr>
<td>YC150</td>
<td>Yagi Antennas</td>
</tr>
<tr>
<td>G6450-1</td>
<td>RPU Base Station Antenna</td>
</tr>
</tbody>
</table>

Mark

<table>
<thead>
<tr>
<th>Type</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>P9A72GNU</td>
<td>Antenna, 6 Grid, 940-960 MHZ</td>
</tr>
<tr>
<td>P9A96GNS</td>
<td>Antenna, 6 Ft 4.5 Diameter Pipe</td>
</tr>
</tbody>
</table>

Ultra-reliable, even in extreme weather!

Contact BSW For Lowest Prices

1·800·426·8434 • www.bswusa.com/antennas • info@bswusa.com
**AM Modulation Monitors**

**Powerful AM Reference Receiver and Modulation Monitor**
The Inovonics 525 AM Reference Receiver and Modulation Monitor is specifically designed to give accurate AM readings with Hybrid Digital (IBOC) transmissions. It is menu-driven, with a peak-hold LCD display that shows simultaneous positive and negative modulation, incoming RF level and asynchronous noise.

- Maintains measurement accuracy in the presence of IBOC digital carriers
- Easy menu-navigated setup and operation
- Bright LCD display shows positive and negative peaks simultaneously
- Audio response is independent of measurement bandwidth (can be programmed in 1kHz steps between 10kHz and 2kHz)
- Front-panel alarms and rear-panel tallies for overmodulation and carrier/audio loss
- Comes with a weatherproof directional loop antenna

**Delta Electronics Impedance Bridges**
Measure the operating impedance of antennas, networks, transmission line sections and the common point of directional antenna systems while they are functioning at operating power levels. Please note that this is only a sampling. Contact your BSW professional for additional items.

- **OIB-1** Impedance Bridge with 18” leads  List $5,695.00
- **OIB-3** Impedance Bridge with 12” leads  List $8,100.00
- **RG4B-120** Receiver/Generator, 120 VAC w/ Batteries  List $17,650.00

**Contact BSW For Lowest Prices**

**RF Test Equipment**

**Potomac PI-4100 Medium Wave Field Strength Meter**
The Potomac PI-4100 directly measures electromagnetic field strength in the 520 kHz to 5.1 MHz frequency spectrum. It combines a laboratory quality radio frequency voltmeter, a calibrated, shielded loop antenna, an internal GPS receiver, an internal calibration source, and data acquisition hardware and software in a single rock-solid package weighing well under 7 lbs.

**Contact BSW For Lowest Prices**

**Belar AM Modulation Monitors**
The AMM2C modulation monitor is an all solid-state AM demodulator that measures the modulation characteristics of AM broadcast transmitters over 260 kHz to 50 MHz. It boasts a unique carrier-referencing system for peak flasher indications.

- **AMM2C** AM mod monitor  List $1,750.00
- **AMM3A** AM mod monitor  List $1,975.00
- **AMM4** AM freq monitor  List $1,650.00
- **RFA2** AM RF amplifier  List $990.00
- **LP1** Shielded AM loop antenna  List $390.00
- **LP1A** Shielded antenna w/ preamp  List $490.00

**Contact BSW For Lowest Prices**

**Potomac 1900 Series**
The Potomac 1900 Series of digital antenna monitors offers 5 1/4 inch units containing control/measurement circuitry for up to 12 towers, digital display of all measurements, local operating controls, and an interface to a remote control system. Each of the control/measurement modules (one for each tower in the system) provide continuous analog outputs relative to the ratio and phase for each tower. These outputs may be connected to the telemetering inputs of the remote control device. The outputs may also be connected to an array of meters to prove a continuous and simultaneous display of each tower in the system.

- **1901-2** Up to 2 towers  List $1,625.00
- **1901-3** Up to 3 towers  List $1,975.00
- **1901-4** Up to 4 towers  List $1,650.00

**Contact BSW For Lowest Prices**

No fair peaking! Confirm the condition of your signal before the FCC sends you a friendly reminder.

—Adam Repp, Sales Rep

---

**High Quality, Precision**

**Isolated outputs for modulation and carrier alarms!**

---

Depend on BSW for the Best Selection and Lowest Prices
Equipment from BSW

Linear RF Ammeters

These units from Delta offer RF power measurement from 20KHz - 5MHz. Choose the DTCA system, or select individual components from the list below. Please note that this is only a sampling. Contact your BSW professional for additional items. Meters with the “EXR” suffix provide an internal relay to remotely disconnect the rectifier circuit input from the RF input and ground the rectifier circuit.

The suffix “HV” appended to any of the TCA series model numbers specifies that the current transformer supplied with the meter is the high voltage type rated for operation at conductor voltages as high as 60 kV peak (42.4 kVRMS).

The suffix “XHV” appended to any of the TCA series model numbers specifies that the current transformer supplied with the meter is the extra high voltage type rated for operation at conductor voltages as high as 60 kV peak (42.4 kVRMS).

- Delta TCA10EXR Transformer Coupled RF Ammeter
- Delta TCA10EXHV Transformer Coupled RF Ammeter
- Delta TCA10EXRHV Transformer Coupled RF Ammeter
- Delta DTCA10HV Digital RF Ammeter
- Delta DTCA10XHV Digital RF Ammeter

Contact BSW For Lowest Prices

Delta RF Sampling Toroids

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCT1 XHV</td>
<td>Transformer, 500W/A 42.4 kV Rating</td>
<td>$595.00</td>
</tr>
<tr>
<td>TCT1XHV</td>
<td>Transformer, 500W/A 42.4 kV Rating</td>
<td>$4,250.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices

Thermocouple AM RF Ammeters

Kintronic Labs provides a wide variety of Weschler square law thermocouple ammeters. Contact your BSW professional for selection assistance.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT-351</td>
<td></td>
<td>$435.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices

AM Dummy Loads

Kintronic Labs offers a wide variety of AM dummy loads, from 1kW up to 600kW. Lower power loads are supplied with either EIA or cable-clamp terminations. The cable clamp terminations eliminate the need for an RF connector on the terminating end. Power rating of these loads is carrier power plus 140% modulation.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL-2-12CC</td>
<td>A one kW load designed to accept ½-inch cable, terminating in a cable clamp</td>
<td>$1,776.00</td>
</tr>
<tr>
<td>DL-5-78EIA</td>
<td>A five kW load designed to accept 7/8-inch cable, terminating in a 7/8-inch EIA flange</td>
<td>$2,678.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices

AM RF Contactors

Unlike more expensive four-port transfer switches, Kintronic RF Contactors provide a selection of single pole, double throw (SPDT) or double pole, double throw (DPDT) RF contactors that can be wired to switch between a single transmitter and antenna and dummy load; or in the DPDT version, select between two transmitters and the antenna or dummy load. Contactors can be supplied for 115VAC or 230VAC operation.

These contactors can also be used as replacements in existing phasors or ATUs (antenna tuning units). Contact BSW for your specific requirements.

- Kintronic RCF-40-20-1-110 A 40 Ampere, 20kV SPDT contactor for 115VAC operation
- Kintronic RCF-40-20-1-220 A 10 Ampere, 20kV SPDT contactor for 230VAC operation
- Kintronic RCF-40-20-2-110 A 40 Ampere, 20kV DPDT contactor for 115VAC operation
- Kintronic RCF-40-20-2-220 A 10 Ampere, 20kV DPDT contactor for 230VAC operation

Contact BSW For Lowest Prices

AM RF Controllers

RF Control Panels provide local and remote control of transfer switches or contactors, many configurations are available, from simple transmitter-antenna-load selection to multiple tower directional arrays. Contact BSW to find out more.

TRC Series AM Directional PLC Controller

Tunwall Radio offers timed-sequence controllers to prevent damage to expensive contacts if switched “hot”. Fully interlocked with both local and remote control capability. Contact BSW for more information.

Kintronic Main/Aux/Dummy/Antenna Controller

Designed for 19-inch rack mounting. Provides local and remote control of customer-supplied RF contactor.

- Kintronic PS-C-1R Main/Aux Dummy/antenna selection controller
- Kintronic MADSH422110412 1kW Main/Aux/Dummy/Antenna Switching Unit – specify wall or rack mount

Contact BSW For Lowest Prices

Isocouplers

Isocouplers permit an FM, STL, or RPU antenna to be mounted on a series-fed (hot) AM tower. This is only a sampling. Contact your BSW professional for more information.

- Kintronic FMCO.1 Isocoupler - 100 W, 700 to 975 MHz
- Kintronic FMCO.2P Isocoupler - 200 W, 935 to 985 MHz for STL
- Kintronic FMCO.5B Isocoupler - 500 W, 150 to 699 MHz
- Kintronic FMC1.5 Isocoupler - 1.5 KW, 88 to 149 MHz

Contact BSW For Lowest Prices

<table>
<thead>
<tr>
<th>Unit</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL-5-78EIA</td>
<td>A five kW load designed to accept 7/8-inch cable, terminating in a 7/8-inch EIA flange</td>
<td>$2,678.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices

Isocouplers permit an FM, STL, or RPU antenna to be mounted on a series-fed (hot) AM tower. This is only a sampling. Contact your BSW professional for more information.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL-5-78EIA</td>
<td>A five kW load designed to accept 7/8-inch cable, terminating in a 7/8-inch EIA flange</td>
<td>$2,678.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices

But wait! There's more.

See our full line of inventory at www.bswusa.com/RF-Equipment

$ WHY DON'T WE PRINT OUR PRICES?
We are constantly negotiating with our vendors, buying in bulk and putting together special packages to bring you the best price every day.
Kintronic
34201000  1" x .020" Copper Strap, per lb  
(13 ft per lb) List $9.00
34202000  2" x .022" Copper Strap, per lb  
(6 ft per lb) List $12.50
34254000  4" x .025" Copper Ground Strap  
(2.5 ft./lb) List $12.50
34303000  3" x .032 Copper Ground Strap  
(2.5 ft./lb) List $12.50

Contact BSW For Lowest Prices

Kintronic
LC-2-10  Tower Lighting 2 Wire Choke  
List $250.00
LC-3-10  Tower Lighting 3 Wire Choke  
List $325.00
LC-4-10  Tower Lighting 4 Wire Choke  
List $425.00

Contact BSW For Lowest Prices

PolyPhaser Data Line/Filter Protectors
The IX-2L1M1DC48-IG offers T1/E1, 48 Vdc data line protection with isolated grounding. The TUSX-NFM provides low PIM, DC short coxial protection.

IX-2L1M1DC48-IG  List $227.28
TUSX-NFM  List $95.00

Contact BSW For Lowest Prices

Transtector Ethernet Surge Protection
Transtector 1000-1188-4 DXR Quad Box Housing for up to four Ethernet modules.
Transtector 1000-1194 UL 497A Ethernet Surge Protection Module – Transtector DXR module R45-Cat 5.
Transtector 1101-1001 UL 497B Ethernet Shielded RJ-45 Surge Protector with ground stud.

Contact BSW For Lowest Prices

Transmitter Building and Studio Surge Protection
These LEA devices are intended to be mounted at the AC mains, providing protection for the entire building.
LEA TVSS Surge Suppressor A73-00-5000 Model DS2, 120/208 3-phase Wye wall mounted.  225 kA surge current capacity per phase.
LEA TVSS Surge Suppressor A76-00-5000 Model DS2, 120/208 3-phase Wye wall mounted using MOV and silicon technology.

LEA manufactures a number of surge suppressor configurations.  Contact your BSW professional with your specific requirements.

Isn’t there some lightning you could be arresting right now?
**Feature-Rich Receivers**

The Dayton AF210FM is a precision, single-channel FM broadcast receiver with a stereo demodulator and PLL (synchronized) tuning designed for professional broadcast applications including FM relay (translator) service. It can handle the most demanding sensitivity, distortion, and signal to noise requirements.

The AF630 NOAA Weather Receiver is mounted in a 1 3/4 inch high, 19 inch rack mount. The front panel contains a monitor speaker, 10 segment LED indicators for Modulation and Signal Strength along with the Tone Detector Alarm indicators and controls.

**Audio/Video Monitoring In One Unit**

The Wohler AMP2-16V-3G 16-channel audio/video workstation lets you monitor and analyze all your audio and video feeds from one compact, easy to use unit.

- 16 channels of simultaneous, mixed-format audio metering and management
- 32 presets for complete reconfiguration of the unit with a single button press
- Mix, sum and route program audio live with no need for separate audio console

The AMP2-E8-MDA-3G monitors audio from DOLBY E, DOLBY Digital (AC-3), HD-SDI, SD-SDI, AES/EBU, and analog signal sources. The AMP2-SDA monitors two channels from analog, AES/EBU digital and SDI sources.

**Precise Analog Audio Level Meters**

Wohler LM Series analog audio level meters are optimized for viewing from a distance and are ideal VTR bays, mobile production vehicles, teleconferencing installations, multimedia systems, satellite link and cable TV facilities as well as on-air radio studios. The 24-channel LM53-24 in-rack professional level metering system sports 24 balanced analog inputs on Mini-Phoenix connectors and features 24 vertical 53-segment level meters and a 66 dB level meter scale. The 4-channel LM106-4 offers four balanced analog inputs on Mini-Phoenix connectors, a 72 dB level meter scale and four 106-segment horizontal level meters.

**Highly Focused Stereo Monitors**

Wohler AMP1A Series monitors offer self-powered, full fidelity stereo audio monitoring of 2 analog channels (1 stereo channel). They feature four high performance transducers driven by three power amplifiers. One amplifier/driver combination handles midrange and HF information in stereo and the second handles summed LF information below the 500 Hz crossover point. The unique design provides optimally focused sound in an ultra near field (1 to 3 ft.) working environment.

The AMP1A-30 is a 2-channel analog audio monitor boasting two large level meters. The AMP1A-LP10S is a high quality speaker system with 10 stereo channels. The AMP2A-10S is a 2-channel analog audio monitor with metering that switches between 10 stereo sources.

**Reliable Analog Audio Monitoring**

The Wohler VMQ-4 offers voice quality confidence monitoring of up to four analog channels simultaneously. Each channel has its own dedicated power amplifier and speaker, a signal present LED and mute button. A space-saving 1RU in size, it is magnetically shielded to allow interference-free operation immediately adjacent to all CRT video monitors.

- Four balanced analog inputs
- Mute button and LED for each channel
- Powerful 94dB SPL at 2 feet
- Blowout-proof speakers

**Loaded AM/FM/Weather Radio Tuner**

The Crown Broadcast RFBA-1 AM/FM/WR broadcast receiver comes standard with three receivers built into a 1-RU chassis, and is configurable to accommodate any mix of FM and AM stations plus WR. This simple-to-deploy, highly sensitive, fully DSP-based monitor system is fully frequency agile in all receivers via display and excels as a translator receiver, EAS monitor or on-air monitor.

The RFBA-1 also offers a PC based user interface, programmable output relay, firmware updates via USB port and an RDS encoder and decoder. Optional upgrades include a modulation monitor, the ability to increase single tuner to receive two weather radio signals and potential future ability to stream audio via Ethernet.

- FM Tuning Range: 76 to 108 MHz (50 kHz steps)
- AM Tuning Range: 520 to 1710 kHz (10 or 9 kHz steps)
- Weather Radio Tuning Range: 162.4 to 162.55
- Antenna Input: BNC 30 Ohm

Contact BSW For Lowest Prices

Contact BSW For Lowest Prices
Cutting Edge Digital Modulation Monitors

The Belar FMMA-1 Wizard is a microprocessor controlled, digital baseband FM modulation monitor/analyser that precisely measures peak modulation, peaks per minute, average peak modulation, modulation density, and more. The Wizard can operate with an existing modulation monitor, or it can be configured to replace an existing baseband modulation monitor. The included Wizard Software and an IBM compatible personal computer give you real-time graphing, logging, and remote operation.

The FMSA-1 DSP-based, microprocessor-controlled, FM Stereo modulation monitor/analyser digitizes the composite baseband signal and decodes the stereo multiplex portion using digital signal processing techniques. Unlike an analog design, a DSP-based design is immune to variations due to temperature or the aging and tolerance of components. As a result, the FMSA-1 delivers excellent performance while requiring virtually no adjustment. By employing linear-phase FIR filters, the FMSA-1 eliminates phase distortion in the recovered audio. This permits unprecedented accuracy in measuring modulation peaks on the Left, Right, L+R and L-R signals. These performance advances result from the mathematically pure demodulation algorithm implemented by the FMSA-1 processors.

FMMA1 Modulation Monitor List $3,550.00
FMSA1 DSP-based Modulation Monitor List $3,550.00

Versatile Modulation Monitors

The Belar FMF-2 FM modulation monitor is a wideband, FM monitor that measures the total modulation characteristics of monaural as well as multiplexed FM transmitters. It also works as a low distortion and low-noise FM demodulator. The FMS2 Stereo Modulation Monitor operates in conjunction with the FMM-2.

FMM2 FM modulation monitor List $2,290.00
FMS2 FM stereo mod monitor List $2,490.00
FMM4A FM frequency monitor List $1,790.00
RFA4 FM RF amplifier List $1,790.00
SCMA1 SCA modulation analyzer List $2,750.00
FMRR4 FM rebroadcast receiver List $2,290.00
AMDA1 AM distribution amp List $895.00

FMHD-1 FM HD Radio mod monitor List $7,200.00

Easy One-Button Field Operation

The Audemat Navigator 100 FM Signal Monitor is a compact, mobile FM receiver with built-in GPS.

NAVIGATOR100 List $4,990.00

Analog FM Modulation Monitor

The DaySequerra M4FM FM analog radio modulation monitor boasts a frequency agile RF input (switchable for antenna or high-level) and features a synthesized FM preselector that provides a wide RF input range of 0.5 VRMS to 5 VRMS (on 50-ohm BNC) and sensitivity of better than 100 µV on 75-ohm F-type for 50 dB quieting. The high-level input has a built-in attenuator so you connect directly to a transmitter’s RF sample port for greatest accuracy.

M4.FM Analog FM modulation monitor List $3,900.00

But wait! There's more.

See our full line of inventory at www.bswusa.com/monitors

Why don’t we print our prices?

We are constantly negotiating with our vendors, buying in bulk and putting together special packages to bring you the best price every day.
For Effective Broadcast Monitoring

**Tunable FM SCA Monitor**
Inovonics 540 SCA Modulation Monitor connects to the composite (MPX) output of any monitor, and is easily calibrated to the modulation monitor reference so no additional test equipment is required. A full-featured SCA modulation monitor, measuring injection level, demodulated audio subcarriers, and providing a visual indication of deviation.

54000 List $1,100.00 Contact BSW For Lowest Prices

**Wideband FM Modulation Monitor**
The Inovonics 531 FM modulation monitor combines a frequency agile wideband FM receiver with linear demodulation and metering circuitry for precise measurement of carrier modulation. Synthesized push-button tuning with one-touch memory entry permits instant comparisons between a station and its market competitors.

53100 List $3,200.00 Contact BSW For Lowest Prices

**State-Of-The-Art Internet Radio Monitor**
The Inovonics 610 is a dedicated hardware solution for uninterrupted monitoring of streaming online radio quality and performance. It offers balanced analog and AES-digital outputs, self-logging alarms that constantly check for audio loss, stream loss and Internet loss, and an easy-to-use tuner that decodes audio and displays live metadata for MP3, Ogg Vorbis and AAC formats.

610 List $990.00 $829.00
See the video at bswusa.com/610

**Intuitive RDS/RBDS Encoder**
The Inovonics 730 connects with virtually any playout system, sending song title and artist information to listeners’ radios with full support for RT+ ‘tagging’ and other advanced applications. It features a front-panel LCD screen and jog wheel for convenient on-site setup and Windows software for fast and intuitive programming.

730-00REV2 List $2,200.00 $1,849.00

**Powerful HD Radio Monitors**
The Audemat Golden Eagle off-air monitoring system combines a high quality HD/Analog receiver with automatic monitoring. It monitors the quality and continuity of several FM and HD programs in real time, sending alarms when needed.

GOLDENEAGLEHDFM HD/FM monitor List $5,925.00
GOLDENEAGLEHDAM HD/AM monitor List $5,925.00
TF00153 Spectrum analyzer board List $2,125.00
TF00154 Remote control List $2,425.00
TF00165 Voice and DTMF interface List $480.00

Contact BSW For Lowest Prices

**Powerful FM Monitoring Solution**
The Audemat FM Monitoring Silver sequentially monitors a set list of stations and continuously ensures that your FM network complies with both legislation and your expectations. With its Ethernet interface, the FM Monitoring Silver can be controlled remotely with the supplied user-friendly software or an SNMP-based network software package (such as Audemat’s Broadcast Manager).

The FM Monitoring Silver offers several highly innovative features such as multi-channel monitoring (up to 10 programs), audio streaming and recording, RDS streaming, automatic scanning and remote control GPIOs.

FMM-SILVER List $2,686.50

Contact BSW For Lowest Prices

**TFT Modulation Monitors**
The Audemat Modulation Analyzer gives you everything you need for commissioning and testing an FM transmitter. Any FM signal can be simulated and then fed back into the it for comprehensive and in-depth measurement and analysis. Visit our website for complete details.

TF00255 List $10,820.00
Contact BSW For Lowest Prices

**Flexible Analog FM Modulation Monitor**
The DaySequerra M4FM is a powerful and cost-effective FM analog radio modulation monitor. Its frequency agile RF input has both antenna and high-level inputs and includes a synthesized FM preselector that offers a wide RF input range and excellent sensitivity. The high-level input has a built-in attenuator so you connect directly to a transmitter’s RF sample port for greatest accuracy. The flexible M4FM can be upgraded to handle HD Radio.

M4.FM FM version List $3,900.00
M4FM-HD FM/HD version List $4,900.00
Contact BSW For Lowest Prices

With BSW’s modulation monitor, I can finally stay on top of my peaks!
BSW Has a Great Selection of

Transmission Line

**MYAT Rigid Transmission Line**

MYAT components are easy to select. The first three digits of the part number refer to the size of line. All 201- part numbers refer to 1-5/8-inch EIA line. All 301- part numbers refer to 3-1/8-inch EIA line.

Although not listed here, MYAT manufactures rigid components from 7/8-inch EIA to 9-3/16-inch EIA. All can be supplied by BSW. Contact your BSW specialist for your specific needs.

<table>
<thead>
<tr>
<th>Description</th>
<th>Item</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flanged Assembly, 20-foot, 50 ohms, flanged both ends</td>
<td>201-001</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-001</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Unflanged Rigid Line Assembly, 20-foot, 50 ohms, unflanged both ends</td>
<td>201-004</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-004</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Brass Fixed Flange, may be silver brazed or welded</td>
<td>201-008</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-008</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Brass Swivel Flange, may be silver brazed or welded</td>
<td>201-009</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-009</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Anchor insulator connector “inner bullet” for flanged/unflanged connections</td>
<td>201-010</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-010</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Stainless Steel hardware kit consisting of 4 sets of bolt, washer and nut</td>
<td>201-012</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-012</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Field Flange Adaptor – SOFT SOLDER TYPE – INDOOR USE</td>
<td>301-013</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Clamp Type Flange Adaptor – INDOOR USE includes hardware kit and line clamp</td>
<td>201-014</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-014</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Coupling assembly with supported inner conductor (bullet)</td>
<td>201-017</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-017</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Elbow, 90 degree, swivel flange, reinforced, with hardware and inner conductor (bullet)</td>
<td>201-021</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-021</td>
<td>3-1/8 inch EIA</td>
</tr>
<tr>
<td>Elbow, 90 degree, unequal leg, swivel flange, reinforced, with hardware and inner conductor (bullet)</td>
<td>201-023</td>
<td>1-5/8 inch EIA</td>
</tr>
<tr>
<td></td>
<td>301-023</td>
<td>3-1/8 inch EIA</td>
</tr>
</tbody>
</table>

**ERI Rigid Line**

During broadcasting, RF heating of the inner and outer connectors causes differential expansion between them. With original-design rigid transmission line, this expansion is compensated for with sliding metal bullets. Eventually this produces wear, hot spots—and burnout. The solution to eliminating sliding-contact wear is to eliminate the sliding. All expansion of the patented ERI MACXLine inner connector is taken up with a flexible, built-in bellows. Burnout and bullet replacement are eliminated. This advantage comes with no VSWR penalty or significant cost premium. Each section comes complete with a bullet/bellows assembly, stainless steel flange hardware and pressure sealing gasket. A full range of sizes is offered. Call BSW with your requirements.

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>Description</th>
<th>POPULAR CONNECTORS, ADAPTERS</th>
<th>POPULAR HARDWARE</th>
</tr>
</thead>
<tbody>
<tr>
<td>STD050-10-120</td>
<td>7/8-inch, 50 ohm, 10-foot standard line section, flanged both ends, supplied with inner connector, and flange hardware kit.</td>
<td>RLA050-NF, STD050-52 , ACX050-10SE , ACX050-10SE-2</td>
<td>RLA000-21</td>
</tr>
<tr>
<td>STD050-29-120</td>
<td>7/8-inch, 50 ohm, 10-foot standard line section, unflanged.</td>
<td>RLA050-NF, STD050-52 , ACX050-10SE</td>
<td>RLA000-21</td>
</tr>
<tr>
<td>STD050-31</td>
<td>7/8-inch, 50 ohm, 20-foot standard line section, unflanged.</td>
<td>RLA050-NF, STD050-52 , ACX050-10SE , ACX050-10SE-2</td>
<td>RLA000-21</td>
</tr>
<tr>
<td>STD150-1</td>
<td>1-5/8-inch, 50 ohm, 20-foot standard line section, flanged both ends, supplied with inner connector, and flange hardware kit.</td>
<td>ACX150-20, ACX150-10SE, RLA150-050 , RLA150-NF , STD150-52</td>
<td>RLA100-11-H , RLA100-21</td>
</tr>
<tr>
<td>STD150-11</td>
<td>1-5/8-inch, 50 ohm, 20-foot standard line section, flanged one end, supplied with inner connector, and flange hardware kit.</td>
<td>ACX150-20, ACX150-10SE, RLA150-050 , RLA150-NF , STD150-52</td>
<td>RLA100-11-H , RLA100-21</td>
</tr>
<tr>
<td>STD150-21</td>
<td>1-5/8-inch, 50 ohm, 20-foot standard line section, unflanged.</td>
<td>ACX150-20, ACX150-10SE, RLA150-050 , RLA150-NF , STD150-52</td>
<td>RLA100-11-H , RLA100-21</td>
</tr>
<tr>
<td>STD350-1</td>
<td>3-1/8-inch, 50 ohm 20 foot standard line section flanged both ends, supplied with captivated inner connector, and flange hardware kit.</td>
<td>ACX350-10SE , ACX350-10SE-2 , ACX350-20, CR0007 , RLA350-150 , RLA350-NF, STD350-52</td>
<td>RLA300-11-H</td>
</tr>
<tr>
<td>STD350-6</td>
<td>3-1/8-inch, 50 ohm 19 foot standard line section flanged both ends, supplied with captivated inner connector, and flange hardware kit.</td>
<td>ACX350-10SE , ACX350-10SE-2 , ACX350-20, CR0007 , RLA350-150 , RLA350-NF, STD350-52</td>
<td>RLA300-11-H</td>
</tr>
</tbody>
</table>

Call or email BSW today if you don’t see what you’re looking for. This is just a small sampling of the RF transmission gear we carry.
**Dehydrators**

Air dielectric line (not foam filled) requires dry air/gas so the insulation between the inner and outer conductor is not compromised. When positive pressure is not kept on an air dielectric transmission system, a breakdown can occur within the line, and the resultant flashover can destroy the line.

Electro-mechanical dehydrators purge the line with dry gas, minimizing the potential for a flashover condition. Here is a small sample of dehydrators that BSW carries. Dehydrators come with a variety of options – low-pressure sensors, alarms. Contact BSW for a complete listing.

An alternative to an electro-mechanical dehydrator is an Andrew Gassing Kit. This kit uses a nitrogen tank to keep positive pressure on the transmission line. The kit consists of a valve/gauge regulator assembly, and 25 feet of 3/8-inch poly hose to connect from the nitrogen tank to the transmission line gas inlet.

**CAUTION** – The nitrogen contained in these gas tanks is under extreme pressure – over 2000 pounds per square inch. Never open a Nitrogen tank without a regulator attached. Never open a Nitrogen tank near your face or any other body part – serious injury or death can occur. To determine if there is gas in the tank, affix the regulator and monitor the pressure from the gassing gauge. Always secure nitrogen tanks to the wall, and cap/cover unused tanks.

**Serious air dielectric line protection!**

### Figure

- **Andrew**
  - 40525B: Desiccant type 3.0–8.0 psig dehydrator
  - 40525B-4: Desiccant type 1.0–5.0 psig dehydrator
  - MT050B-81015: Dryline Membrane Type, automatic dehydrator, rack mountable with summary alarm.
  - MT050B-81315: Dryline Membrane Type automatic dehydrator, rack mountable with discrete alarm.

- **MT050B-81315**
  - Dryline Membrane Type automatic dehydrator, rack mountable with discrete alarm.

- **Contact BSW For Lowest Prices**

### Broadcast Bits

- **Andrew**
  - Gassing Kit
  - 858C: Gassing Kit

- **BSW**
  - 1·800·426·8434 • www.bswusa.com • info@bswusa.com
Complete RF Solutions From BSW

FM Transfer Switch Control Panels

**Broadcast Devices Turnkey RF Package**
Broadcast Devices manufactures and assembles an innovative RF power monitor and transfer switch package. Their Turn-Key RF Solution consists of an integrated power meter and four-port transfer switch controller, an ERI precision RF coupler, an ERI Four Port RF Transfer Switch, and all necessary cabling and connectors. You select the operating voltage and the size line being used. Turnkey RF Solutions are available for 1-5/8, 3-1/8, 4-1/16, 6-1/8 size lines, as well as waveguide. BDI can also provide custom power and switch solutions. Contact BSW For Lowest Prices

**Tunwall Radio**

**TRC Series FM Transfer Switch Control Panels**
The Tunwall series of controllers can be configured for any number of switches. These semi-custom control panels are economical yet fully interlocked, and will work with any brand of transfer switch. The sequenced steps, based on a PLC (Programmable Logic Controller) save time, since all functions are pre-programmed at the factory. Contact BSW For Lowest Prices

**Delta Electronics Model 33630A Transfer Switch Control Panel**
A rack mounted control panel for use with the Delta series of transfer switches. This is a local control panel, not designed for interconnection to remote control systems.

<table>
<thead>
<tr>
<th>Model</th>
<th>List Price</th>
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<tbody>
<tr>
<td>33630A</td>
<td>$1,325.00</td>
</tr>
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</table>

Contact BSW For Lowest Prices

**MCI Patch Panels**
A less costly alternative to motorized transfer switches is the MCI Patch Panel. The drawback is the patch must be thrown locally and cannot be remote controlled; however, for stations with a single transmitter, antenna, and dummy load, an MCI Patch Panel works nicely to provide transmission switching between the antenna and the dummy load. MCI manufactures a variety of interlocked patch panels from three-port up to 7-port configurations. Contact BSW to discuss your needs.

**Delta Electronics Model 6730E1 Transfer Switch Control Panel**
Delta Electronics manufactures and assembles an innovative RF power monitor and transfer switch package. Their Turn-Key RF Solution consists of an integrated power meter and four-port transfer switch controller, an ERI precision RF coupler, an ERI Four Port RF Transfer Switch, and all necessary cabling and connectors. You select the operating voltage and the size line being used. Turnkey RF Solutions are available for 1-5/8, 3-1/8, 4-1/16, 6-1/8 size lines, as well as waveguide. BDI can also provide custom power and switch solutions. Contact BSW For Lowest Prices

<table>
<thead>
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<th>Model</th>
<th>List Price</th>
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</thead>
<tbody>
<tr>
<td>6730E1</td>
<td>$2,350.00</td>
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</tbody>
</table>

Contact BSW For Lowest Prices

**ERI Motorized Switch Controller Panels**

**ERI Motorized Switch Controller Panels**
Motorized Switch Controller Panel – designed to control one motorized RF transfer switch with 12VDC control voltage.

<table>
<thead>
<tr>
<th>Model</th>
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<tbody>
<tr>
<td>ACS100-1</td>
<td>$2,470.00</td>
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</tbody>
</table>

Contact BSW For Lowest Prices

**RF Transfer Switches**
Remotely controlled, motorized switches re-route transmitter output to alternate antenna, or standby transmitter to main antenna. Please note that this is only a sampling. Contact your BSW professional for additional items.

**Delta**

<table>
<thead>
<tr>
<th>Model</th>
<th>List Price</th>
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<tr>
<td>6730E1</td>
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<tr>
<td>6732E1</td>
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<td>6740B</td>
<td>$4,750.00</td>
</tr>
<tr>
<td>6742B</td>
<td>$6,650.00</td>
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</tbody>
</table>

**Compact, lightweight**

**Coplanar Port Configuration**

**Did You Know...**
BSW sells more RF transmission gear than a flea market sells fleas!
Go to our website if you don’t see what you’re looking for!
RF Power Measurement

RF Meters
Measures RF power in 50 ohm coaxial cable and transmission lines. Order Line Sections and Elements elsewhere on page. Please note that this is only a sampling. Contact your BSW professional for additional items.

COAXIAL DYNAMICS
81050 Multi-Range Wattmeter 500 W, 25-1000 MHz w/Non-Removable Element  List $541.00
81060 Multi-Range Wattmeter 1500 W, 25-1000 MHz w/Non-Removable Element  List $599.00
81000A Wattmeter Single Socket 5 W to 1000 W  List $299.00
81001A Wattmeter Single Socket 5 W to 1000 W with A/B Switched DC Input  List $378.00
81100A Wattmeter Single Socket Flanged 250 W to 25 KW  List $746.00
81102A Wattmeter Dual Socket Flanged 250 W to 25 KW  List $863.00
81107A Wattmeter with 10’ Cable, Single Socket Flanged  List $635.00
81108A Wattmeter with 2-10’ Cables, Dual Socket Flanged  List $863.00
81109A Wattmeter with 2-10’ Cables, Dual Socket Unflanged  List $843.00
81111A Wattmeter Single Socket Unflanged 250 W to 25 KW  List $649.00
81113A Wattmeter Dual Socket Unflanged 250 W to 25 KW  List $649.00
81115A Wattmeter with 10’ Cable, Single Socket Unflanged  List $649.00
81117A Wattmeter with 2-10’ Cables, Dual Socket Unflanged  List $649.00
81300A Wattmeter Single Socket Flanged 1000 W to 50 KW  List $954.00
81301A Wattmeter Single Socket Unflanged 1000 W to 50 KW  List $625.00
81302A Wattmeter Dual Socket Flanged 1000 W to 50 KW  List $514.00
81303A Wattmeter Dual Socket Unflanged 1000 W to 50 KW  List $514.00
81306A Wattmeter Single Socket Flanged 1500 W to 60 KW  List $954.00
81307A Wattmeter Single Socket Unflanged 1500 W to 60 KW  List $625.00
81308A Wattmeter Dual Socket Flanged 1500 W to 60 KW  List $625.00
81309A Wattmeter Dual Socket Unflanged 1500 W to 60 KW  List $625.00
81311A Wattmeter Single Socket Unflanged 1000 W to 50 KW  List $707.00
81313A Wattmeter Dual Socket Unflanged 1000 W to 50 KW  List $707.00
81315A Wattmeter Single Socket Unflanged 1500 W to 60 KW  List $707.00
81317A Wattmeter Dual Socket Unflanged 1500 W to 60 KW  List $707.00

Contact BSW For Lowest Prices

Let me guess, you got another price quote from BSW!

BSW Offers Low Package Pricing!
Call or Email Us with Your Quote Today for Discount Pricing!!

Contact BSW For Lowest Prices

Coaxial Dynamics RF Power Meters – these individual meters measure FM RF Power in 50-Ohm FM Systems. Meters must be ordered with the appropriate line section and elements. Call us for expert advise on finding the right configuration to meet your needs.

Elements
COAXIAL DYNAMICS
82020 Element 5 W, 50-125 MHz  List $75.00
82021 Element 10 W, 50-125 MHz  List $75.00
82022 Element 25 W, 50-125 MHz  List $75.00
82023 Element 50 W, 50-125 MHz  List $75.00
82024 Element 100 W, 50-125 MHz  List $75.00
82025 Element 250 W, 50-125 MHz  List $75.00
82026 Element 500 W, 50-125 MHz  List $75.00
82027 Element 1000 W, 50-125 MHz  List $75.00
82113 Element 250 W, 50-125 MHz  List $121.00
82114 Element 500 W, 50-125 MHz  List $121.00
82115 Element 1000 W, 50-125 MHz  List $121.00
82116 Element 2500 W, 50-125 MHz  List $121.00
82117 Element 5000 W, 50-125 MHz  List $121.00
82118 Element 10 KW, 50-125 MHz  List $121.00
82119 Element 25 KW, 50-125 MHz  List $121.00
82200 Element 300 W, 50-125 MHz  List $121.00
82201 Element 600 W, 50-125 MHz  List $121.00
92110 Element for 1-5/8” Line Systems 100 W, 54-108 MHz  List $363.00
92116 Element for 1-5/8” Line Systems 1000 W, 54-108 MHz  List $363.00
92313 Element for 3-1/8” Line Systems 1000 W, 54-108 MHz  List $363.00
92314 Element for 3-1/8” Line Systems 2500 W, 54-108 MHz  List $363.00
92318 Element for 3-1/8” Line Systems 50,000 W, 54-108 MHz  List $363.00

Contact BSW For Lowest Prices

Call or email BSW today if you don’t see what you’re looking for. This is just a small sampling of the RF transmission gear we carry.
Coaxial Dynamics FM RF Monitor/Alarm Panels
These panels permit the monitoring of both forward and reflected power simultaneously. The panel will alarm and shut down the transmitter within 15 milliseconds of a fault occurring. As with the stand-alone meters, these panels require a dual element line section and the appropriate elements.

RF Monitor / Alarms
Measures forward and reflected power simultaneously. Alarms and shuts down the transmitter within 15 milliseconds of a fault. Select Line Section and Elements elsewhere on page. Please note that this is only a sampling. Contact your BSW professional for additional items.

Coaxial Dynamics
81070  Wattchman Station Monitor/Alarm System 2-30 Meters List $120.00
81071  Wattchman Station Monitor/Alarm System 2-30 Relay Meters List $118.00
81073  Wattchman Station Monitor/Alarm System 1-30 Relay Meter List $118.00
81074  Wattchman Station Monitor/Alarm System 1-30 Relay Meter List $118.00
91090  Digital Wattchman Monitor/Alarm 100 W to 50,000 W List $120.00
91091  Digital Wattchman Monitor/Alarm 300 W to 30,000 W List $120.00

Contact BSW For Lowest Prices

Broadcast Bits
Coaxial Dynamics RF Power Meters are very versatile. The metering system consists of a line section, which is used to sample the RF energy; an element, which provides a specific calibrated signal, and the meter assembly, which displays the power. The meter may display multiple scales that can be paired to different line sections and elements. In this manner, the same meter to be used for different power levels. The Line Section is mounted in series with the transmission line. Note that the line sections can be purchased with EIA flanges, unflanged, or with other connectors.

It is good engineering practice to physically draw out the transmission line runs, indicating where the line will be broken for the line section, and whether that break uses flanged or unflanged line.

Depending on the power level to be read, the appropriate meter and element is selected from these tables. Dual socket line sections permit both forward and reflected power to be measured, when paired with the appropriate meter. It is typical practice to have a stand-alone RF power meter used to measure the dummy load power. For monitoring of FM RF output power; however, consider one of the RF Monitor/Alarm panels also found on this page.

Line Sections

Coaxial Dynamics
88500  7/8” 50 Ohm Single Socket Line Section List $128.00
88500-1 7/8” 50 Ohm Single Socket Line Section (3-5/8” Long) List $139.00
88500-4 7/8” 50 Ohm Single Socket Line Section with Navy Style DC Connector List $144.00
88501 1-5/8” 50 Ohm Single Socket Swivel Flanged E.I.A. List $345.00
88502 1-5/8” 50 Ohm Single Socket Unflanged List $261.00
88503 3-1/8” 50 Ohm Single Socket Swivel Flanged E.I.A. List $561.00
88504 3-1/8” 50 Ohm Single Socket Unflanged List $339.00
88511 1-5/8” 50 Ohm 4-Port Socket Swivel Flanged E.I.A. List $667.00
88512 3-1/8” 50 Ohm 4-Port Socket Swivel Flanged E.I.A. List $878.00
88513 3-1/8” 50 Ohm Triple Socket Swivel Flanged E.I.A. List $819.00
88514 1-5/8” 50 Ohm Dual Socket Swivel Flanged E.I.A. List $436.00
88514D 1-5/8” 50 OHM Dual socket Swivel Flanged E.I.A. List $631.00
88515 1-5/8” 50 OHM Dual Socket Unflanged List $401.00
88515-2 1-5/8” 50 OHM Dual Socket Unflanged Recessed List $416.00
88515D 1-5/8” 50 Ohm Dual Socket Unflanged List $596.00
88516 3-1/8” 50 Ohm Dual Socket Swivel Flanged E.I.A. List $646.00
88516D 3-1/8” 50 Ohm Dual Socket Swivel Flanged E.I.A. List $841.00
88517 3-1/8” 50 Ohm Dual Socket Unflanged List $463.00
88517-2 3-1/8” 50 Ohm Dual Socket Unflanged RECESSED List $479.00
88525 7/8” 50 Ohm Single Socket Line Section (3-5/8” Long) w/Mounting Bracket List $1534.00
88527 7/8” 50 Ohm Single Socket Line Section with Mounting Bracket List $1932.00
88529-2 7/8” 50 Ohm Dual Socket Line Section List $2818.00
88530 7/8” 50 Ohm Single Socket Line Section (3-5/8” Long) List $181.00
88531 7/8” 50 Ohm Single Socket Fixed Flanged E.I.A. Line Section List $185.00
88534 7/8” 50 Ohm Single Socket Swivel Flanged E.I.A. Line Section List $271.00
88535 7/8” 50 Ohm Dual Socket Swivel Flanged E.I.A. Line Section List $339.00
88536-1 7/8” 50 Ohm Line Section List $146.00

Contact BSW For Lowest Prices

BROADCAST BITS

RF Equipment
“Been there, done that. We have the answer to your questions.”
—Gary Beebe, Sales Engineer / Broadcast Veteran

BSW Has a Wide Selection of RF Gear. Visit BSWUSA.COM to See Even More!
Broadcast Devices DPS-100D Power Measurement System – measures analog or digital power, with +/- 5% accuracy. With backlit LCD display. Contact BSW to determine appropriate line section.

**Contact BSW For Lowest Prices**

Broadcast Devices has combined a line section with power meter so selection of elements is not necessary. The DPS-100D is a true digital RMS FM Power Measurement system for measuring both analog and digital power levels.

Broadcast Devices DPS-100D Power Measurement System – measures analog or digital power, with +/- 5% accuracy. With backlit LCD display. Contact BSW to determine appropriate line section.

**Contact BSW For Lowest Prices**

Both ERI and Jampro design and manufacture FM RF combiners. A combiner is used to combine two or more FM frequencies into a single broadband antenna. Filters may be needed when multiple FM transmitters are co-located, and prevent the generation of harmonics that may interfere with other stations.

Combining and filters are precision devices that must be designed for the specific application – these are not off-the-shelf items. Allow adequate time for their design and manufacture. Discuss your project with BSW, and let us be your interface to the manufacturer.

**Filters**

These filters reduce intermod and spurious output. We also carry filters from Coaxial Dynamics, ERI, Kintronic and Jampro. Please call for info.

**FM RF LOADS**

These 50-ohm resistive loads, commonly called dummy loads, are useful for testing the transmitter off-line. Lower power loads are usually air-cooled; however, if there is a water source at the transmitter site, a less expensive water-cooled load may be selected. Some low power loads are oil-filled.

There are a wide variety of dummy loads with just as many options. Contact your BSW counselor if you don’t see what you need here:

**AIR COOLED FM DUMMY LOADS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6705E1</td>
<td>5 KW Load, 1 5/8&quot; EIA Flange</td>
<td>$2,065.00</td>
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<tr>
<td>6405N</td>
<td>5 KW Load, N-Connector</td>
<td>$2,002.00</td>
</tr>
<tr>
<td>6710E3</td>
<td>10 KW Load, 3 1/8&quot; EIA Flange</td>
<td>$2,455.00</td>
</tr>
<tr>
<td>6725R3</td>
<td>25KW Load</td>
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**WATER COOLED**

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<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>8400SN</td>
<td>Liquid/Air (Oil), 500 W Max, N (F) Connector</td>
<td>$624.00</td>
</tr>
<tr>
<td>9715E3</td>
<td>15 KW Water Cooled Load, 3 1/8&quot; EIA Flange</td>
<td>$1,329.00</td>
</tr>
<tr>
<td>9750E3</td>
<td>50KW, 3 1/8&quot; EIA Flange</td>
<td>$2,692.00</td>
</tr>
</tbody>
</table>

Contact BSW For Lowest Prices

**Did You Know...**

BSW carries more RF transmission gear than Elvis had sequins? Go to our website if don’t see what you’re looking for!
Rest Easy With Ultra-Reliable Remote Facility Control

Sine Systems’ new RAK-2 Intelligent Rack includes an updated version of the acclaimed RFC-1 Remote Facilities Controller and offers a wired Ethernet connection with a built-in network interface and web server. Both voice and data interfaces are included as part of the standard device. Internet connectivity gives the RAK-2 new capabilities that make the Remote Facilities Controller family of devices more effective at communicating with you than ever before. System readings can be viewed with a web browser, system readings can be delivered by email or text message, and alarm notifications can be made by email or text message.

RAK-2 Relay panel $1,999.00
RP8 Audio failsafe $379.00
SP8 Surge protector $149.00
TS1-PS Temperature sensor $67.00
ACM-2 AC Current Monitor $149.00

Contact BSW For Lowest Prices

IP-Based Transmitter Site Remote Monitoring and Control

The Audemat Relio system is a standalone or network solution offering the ultimate in remote monitoring and control applications. Packaged in a rugged 1U, 19” rackmount enclosure, it provides 64 digital inputs, 64 digital outputs and 24 analog inputs along with 9 serial ports (RS232, RS422 and RS485), 2 Ethernet ports, 4 USB ports and 1 phone line connector. IP enabled to deliver remote monitoring from virtually anywhere, it features a complete voice modem interface with DTMF capabilities for traditional remote notification and control. Its included ScriptEasy software lets you drag and drop I/O data and logic functions to generate monitoring and control scripts. The intuitive GUI interface, consisting of the Creator and the Viewer modules, supports easy development and allows real time status display and management.

RELIO List $4,495.00

Contact BSW For Lowest Prices

Reliably Reboots Digital Gear

The Plus-X AC-8 provides independent management of equipment connected to 120V outlets, allowing remote rebooting of digital gear. Broadcasters can also remotely manage HVAC, lighting and other appliances. It connects directly to the Burk ARC Plus remote control via Ethernet, or to any remote control (including the GSC3000 and ARC-16) using general-purpose inputs. A built-in Web server allows stand-alone remote connectivity.

Plus-X AC-8 to PCs, servers and other IT equipment, and save wasted drive time when equipment needs a power cycle. Manage facility infrastructure such as HVAC or security lighting, all without wiring equipment to remote control relays. Connect the Plus-X AC-8 to the Burk ARC Plus, interface it with an existing transmitter remote control, or operate it in web-only mode. No matter what you choose, the Plus-X AC-8 offers unmatched versatility.

The Plus-X AC-8 makes on-site work a breeze with push-button control for each outlet. And you wont have to search for power cords when disconnecting or restoring power.

PLUSX-AC-8 List $895.00

Contact BSW For Lowest Prices

See more rigid line transmission products on page 68

Reliable Assurance Monitor and Controller

It takes hard work to maintain a large and loyal listener base. And it’s important that this audience is measured accurately so that your station receives full ratings credit. Burk’s PPM Assurance products protect Arbitron PPM ratings and dramatically reduces overhead by constantly monitoring all PPM encoders and providing automatic encoder toggling. Email alerts and exception reporting keep you up-to-date.

More than an encoding monitoring system, PPM Assurance is an automatic recovery solution comprised of the PPM Monitor and PPM Controller. In addition to providing reliable backup encoder activation, the PPM Monitor establishes direct data connectivity to the Arbitron equipment to verify code accuracy.

PPMMONITOR List $1,295.00
PPMCURRENT List $1,295.00

Contact BSW For Lowest Prices

Versatile FM/HD Radio Monitor

The Inovonics INOmini 632 is an FM and FM/HD-Radio receiver for off-air broadcast monitoring, receiving standard analog FM broadcast transmissions as well as FM/HD-Radio digital broadcasts transmitted via the FM station’s associated HD1 through HD8 auxiliary, digital broadcasting channels. Analog FM and HD-Radio digital programs are both accompanied by digitized text and housekeeping data. FM RDS and HD-Radio PAD are shown on the front-panel LCD display of the 632, along with readouts of signal quality information.

632 List $850.00

Contact BSW For Lowest Prices

See the video at bswusa.com/632

Need to see more? We got plenty!

See our full line of inventory at www.bswusa.com/remotecontrol

Remote Site Control

“What’s going on up there? Find out fast with these intelligent control systems.”
—Paul Schweiger, Senior Sales Rep/ Broadcast Veteran

Contact BSW For Lowest Prices
The Best RDS/RBDS Options Are at BSW

Handy RDS Encoder
The Audemat FM850 is an RDS encoder designed specifically for radio stations and broadcasters wishing to engage listeners with a RT/PS scrolling experience or to exploit the interactive functionality offered by RT+.

**FM850**  
List $1,295.00

**FM880**  
List $2,295.00

Contact BSW For Lowest Prices

Affordable RDS/RBDS Presence
The Inovonics 703 INOmini encoder is a quick and inexpensive way to an RDS/RBDS presence, with easy USB programming using the supplied Windows software. Your station's data goes into non-volatile memory, and the unit may then be re-installed at the transmitter site. The 703 will identify your station by format, display your station's "street name" and continuously transmit station promos or advertising message to your listeners. An optional rack-mount kit (RK-00) accommodates up to three INOmini-style products.

**703-00**  
List $590.00

Contact BSW For Lowest Prices

Accessory:  
**RK-00** Rack-mount kit  
List $65.00  
$59.00

Multiple Message Scrolling Modes
The Inovonics 720 RDS/RBDS encoder offers multiple message-scrolling modes and easy, self-guided connection to station automation. Its dynamic RadioData encoder automatically parses and scrolls song title and any other information. Its front-panel LCD displays setup parameters without the need for an on-site computer, and also shows incoming raw data from station automation as well as exactly what the listener sees on his radio. Features: intuitive software and built-in diagnostics for easy installation; interfaces with popular automation systems; accepts a serial connection for automation data and features a front-panel USB port for convenient local setup; a unique 'no-header mode' allows use with unformatted, satellite-streamed song title information; works with any FM exciter and generator.

**720-00**  
List $1,785.00

Contact BSW For Lowest Prices

Comprehensive RDS/RBDS Encoder
The Inovonics 510 connects to the composite/MPX output of any FM receiver or modulation monitor to display all the RDS/RBDS radio-data groups.

**51000**  
List $1,700.00

Contact BSW For Lowest Prices

Easy To Use RDS Texting System
Now that FM receivers are included in mobile devices such as the Apple iPod, Microsoft Zune and many other cell phone manufacturers, RT+ offers broadcasters the potential to ensure greater listener loyalty, and new ways of branding the station and generating revenue. With these new delivery methods comes the opportunity to offer on-air advertising clients additional exposure on these other media quickly and easily.

The Arctic Palm Center Stage Live software package lets you add "now playing", promotional messages and selective advertiser messages to your on-line stream, your website, and HD channels. It offers support for most of the major RDS/RBDS encoders via TCP/IP UDP or a serial connection. Center Stage Live is available in different licensing packages. This package is for one to five sites (two stations per site).

**CENTERSTAGELIvE-1-5**  
List $950.00

Contact BSW For Lowest Prices

Always ON.
Since its origin, radio was (and still is) magic. It communicates, it entertains, and it has the ability to ignite the imagination. The engineers who maintain, fix and keep the broadcast equipment working are the behind the scenes heroes that keep the magic of radio alive. BSW and its people come from that world, and that’s why we are committed, just like the engineer and the radio itself - BSW is always there, always working ... always ON.

1·800·426·8434 • www.bswusa.com • info@bswusa.com

Handy RDS Encoder

Affordable RDS/RBDS Presence

Flexible RDS Texting System

Multiple Message Scrolling Modes

Comprehensive RDS/RBDS Encoder

Easy To Use RDS Texting System

Always ON.
You're in Control with Burk and BSW

Compact Remote Control
Built on the proven Burk ARC Plus platform, the ARC Plus SL provides affordable, full-featured broadcast remote control in a slim 1RU footprint. Its embedded web server shows telemetry, alarms and events in real-time, and a mobile PDA interface provides on-the-go access.

ARCPLUS Remote Control $1,995.00

Contact BSW For Lowest Prices

Easy Multi-Site Management

- TCP/IP-based platform; built-in web Interface
- Scales to more than 1,000 sites
- Advanced front-panel control
- Onboard automatic routines
- Email alerts for alarm conditions; selective alarm notifications
- Touch screen (ARC Plus Touch)

AP2010-ARC-PLUS AutoPilot Software License ARC-PLUS $495.00
AP2010-ARC-16 AutoPilot Software License ARC-16 $495.00
AP2010-GSC/VRC2500 AutoPilot Software License GSC $495.00
JETFLOWCHARTS Requires AutoPilot Software $850.00

Contact BSW For Lowest Prices

Fully customizable interface!

Smooth Remote Site Control
The Burk ARC Plus Touch combines the features of the award winning ARC Plus with the intuitive navigation of a touch screen for smooth, comprehensive IP-based remote control. It offers easy operator access via front panel, web, PC software, smartphone or telephone, and email alerts and selective alarm reporting for efficient fault resolution. Ready for expansion, it scales to 256 metering and status channels, 256 relay pairs and 512 virtual channels.

ARC-PLUS-TOUCH $3,295.00

Contact BSW For Lowest Prices

Upgrading Your ARC-16 to ARC-Plus Without Rewiring
Upgrading legacy ARC-16 systems is faster and more affordable than ever. The Plus-X Dual IP-8 Adapter connects to up to two ARC-16 IP-8s using the same DB37 cables as the ARC-16. Not a single channel needs to be rewired to upgrade to the ARC Plus, saving hours of work.

PLUXX-DUAL-IP-8 $1,495.00

Contact BSW For Lowest Prices

Plus-X EM Series
Keep your transmitter running reliably by monitoring the environment and alerting staff to potentially harmful conditions. Environmental problems at remote transmitter sites can cause loss of airtime and damage mission-critical equipment. Early detection can save hours and dollars.
The Burk Plus-X EM series monitors temperature, humidity, flood/leak, and many other conditions including sound, light and security. Email, SMS and SNMP notifications ensure that responsible personnel can respond quickly. The affordable Plus- X EM Series connects to any on-site or off-site ARC Plus via LAN/WAN.

Key Features:
- Integrates with ARC Plus over existing LAN/WAN
- Available as 64 or 32 sensor models
- Built-in temperature, light and sound sensors
- Easily expandable with external sensors
- Integrates with IP security cameras
- Alert personnel via email, SMS and SNMP traps
- Spot trends and prevent problems from developing with onboard charting
- Onboard web interface for setup, monitoring and access to historical data and charts

PLUXX-EM32 $695.00

Contact BSW For Lowest Prices

Price match guarantee: BSW will match any competitor’s advertised price.
Just because you can handle a rope doesn’t mean you can handle our remote site control!

Site control technology has exploded the last ten years. BSW supports companies that provide either dial-up or web access, or both. These site control systems offer remote monitoring of transmitter or remote sites, many with the ability to call out, send an email, or permit viewing the system from a web-enabled computer. Gone are the unnecessary visits to the transmitter for routine inspections. Should a fault condition occur, many could be cleared without traveling to the site. The cost savings of personnel far outweigh the equipment investment. Furthermore, many of the BSW-supplied systems can be tied together to monitor multiple sites, perfect for market clusters.

**Broadcast Bits**

**REMOTE SITE CONTROL**
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**WHY DON’T WE PRINT OUR PRICES?** We are constantly negotiating with our vendors, buying in bulk and putting together special packages to bring you the best price every day.

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ACS 16.2 Stereo Audio Matrix Switcher

Site Sentinel® 16 16 Channel Web-enabled Site Remote Control System

WVRC-8 Plus 8 Channel Web-enabled & Voice Remote Control System

AC5 4.1 Stereo Matrix Switcher

WVRC-4 Plus 4 Channel Web & Voice Remote Control System

AES Audio Sentinel® 2 Channel Web-enabled AES Silence Monitor Plus Streaming

Audio Sentinel® + Steaming 2 Channel Web-enabled Stereo Silence Monitor

 Silence Sentinel® Basic

Silent Sentinel® Basic

ADC-1 Plus Analog to Digital Converter

DAC-1 Digital Audio Converter

BROADCAST tools

PROBLEM SOLVED

www.broadcasttools.com
Affordable Remote Site Control
The Broadcast Tools WVRC-8 has all the basic functionality you need to control your site equipment. You can configure its eight optically isolated status channels for 5 to 24vdc wet or dry (contact closures) status monitoring. The eight control channels are equipped with independent SPST one-amp relays for each raise/on and lower/off function.

- Browser-based event function program scheduler and alarm logger
- Select from four email recipients when an out-of-tolerance alarm is generated
- 8 high-resolution analog (telemetry) channels
- Supplied with spoken words and phrases in English, and you can record words and phrases in any language

TEMPERATURESENTINEL
List $239.00
$212.95
TEMPSENSOR
List $65.00
$53.26

Dependable Remote Site Monitors
The Site Sentinel 4 (for use with the Internet) provides an Ethernet port, 4 channels of metering inputs, optically-isolated status (contact closures or external voltages) inputs, normally open dry contact relays, power failure input and a stereo silence sensor input. The Site Sentinel 16 gives you 16 channels of metering inputs.

SITESENTINEL4
List $409.00
$359.95
SITESENTINEL16
List $1,119.00
$979.95

Easy To Use Serial Remote Control Computer Interface
The Broadcast Tools SRC-16 Plus is a computer interface to the real world. Connecting through an RS-232, RS-422 or RS-485 serial port, it can notify your PC software program if any of 16 optically isolated inputs have been opened or closed, and allows your software to control sixteen SPDT, 1-amp relays. You can communicate with it via short “burst” type ASCII or binary commands from your PC (computer mode). You can also add up to 64 ASCII strings per input and 16 user-defined strings per relay. Half-rack chassis. Optional RA-1 rack shelf.

SRC16-PLUS
List $459.00
$399.95
RA-1
Rackmount shelf
$53.99

Remote Power Switches with Built-In Web Server
The Broadcast Tools AC Power Sentinel 2 provides remote power control, remote reboot, or automatic reboot of network devices, and features two power outlets that can be independently controlled using a web browser. It is completely self-contained and includes a built-in web server so no external servers, services, or subscriptions are required. The AC Power Sentinel 2 Plus adds remote temperature monitoring, discrete inputs, event scheduling, logging, and email alerts.

ACPOWER-SENTINEL2
List $279.95
ACPOWER-SENTINEL2-PL
List $311.95

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Innovative Problem Solvers for the Broadcast Industry
Handy Temperature Monitor
The Temperature Sentinel is an Ethernet-based temperature monitor equipped with one SPDT electro-mechanical relay. It can communicate with 4 digital temperature sensors and one optically isolated contact closure input. The Temperature Sensor is an optional temperature sensor for WVRC-4, WVRC-8 or VAD-2+.

TEMPERATURESENTINEL
List $239.00
$212.95
TEMPSENSOR
List $65.00
$53.26

Serial to Internet Interface
The Broadcast Tools ESS-1 is ideal for applications requiring data support for both RS-232 and RS-422 communications. The ESS-1 provides Ethernet connectivity to any device with a serial port, and is ideal for serial tunneling or applications where a COM port, TCP Socket, UDP Socket, or UDP Multicast functionality is needed.

ESS-1
List $179.00
$155.95

Super Smart Relay
This interface provides four independent 2PDT relay and eight optically isolated 5Vdc to 24Vdc wet or dry inputs. It converts sustained network closures to a pulse. User programmable logic and pulse stretching may be set from 50ms to 99 hours, 59 minutes and 59.99 seconds.

SMARTRELAY4
List $209.00
$189.95

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