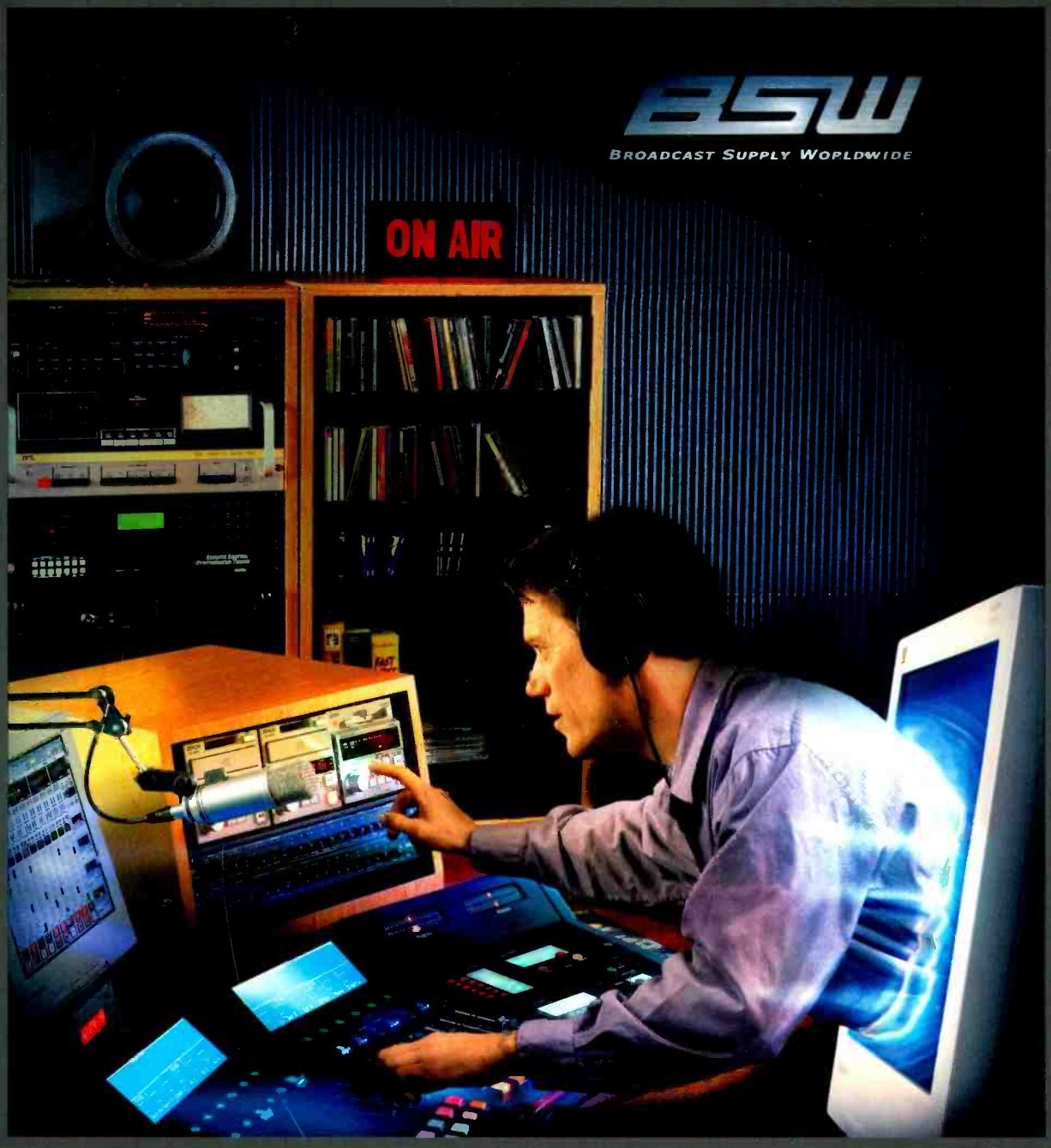

CATALOG

AUDIO EQUIPMENT FOR BROADCASTERS

2000

How to Use This Catalog

Since we represent over 200 manufacturers, we provide thousands of products that would be impossible for us to list in any one source. Our 176-page catalog is a representation of the most popular products from each manufacturer. So if you don't see the products you seek, just ask.

All products are shown with the manufacturer's list price (not our sales price). Because our catalog is printed each year in January, it is impossible to print retail pricing for the entire year. Rest assured, BSW is going to offer you an excellent price on every item in our catalog, so please call or fax us today to get your discounted BSW price.

Products are organized in this catalog alphabetically by general application categories, and within each category alphabetically by manufacturer. Major category headings are listed on page 1. Product descriptions and list prices are subject to change at the manufacturer's discretion.

Need Complete Product Specifications?

Complete product specifications are available upon request. We are happy to fax or e-mail you additional product information as we cannot possibly include all product information in each catalog listing. Also, you may visit our website at www.bswusa.com which includes hot links to many of the manufacturers we represent. Specifications should be verified prior to ordering, as they do change without notice.

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Special order or non-inventory items (designated by an asterisk* in this catalog) may be subject to restrictions on return or exchange. A BSW sales professional can verify if any product is deemed "non-inventory".

In addition, a restock fee may be assessed on returns of non-inventory items or for reasons other than defect, damage or situations arising outside of BSW's control.

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You may fax us toll-free (1-800-231-7055) or e-mail us at (sales@bswusa.com) and a sales professional will contact you to confirm your order. International customers, please fax your order to 253-565-8114. As a convenience, we have provided an order form on page 173 that you may photocopy and fax to us. Or visit our website at http://www.bswusa.com.

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Customized Shipping to Meet Your Needs

We know fast delivery is important to you, so we make every effort to stock the items you need. Our warehouse is filled with thousands of items available for immediate shipment. Some products will be shipped directly from the manufacturer at our discretion. We offer a variety of shipping options and carriers to save you money and time.

Shipping charges are based on actual shipping weights plus a minimal handling fee, so please call for price quotes if paying in advance. Shipping charges will be added to the credit card if provided. BSW ships F.O.B. Point of Origin unless other arrangements are made and approved in advance.

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If a return of any equipment is deemed necessary, please contact our customer service department immediately at 800-426-8434 or 253-565-2301 between 6:00 AM and 6:00 PM Pacific Standard Time for a Return Authorization (RA) number. You may fax customer service at any time (253-565-8114) or e-mail to custserv@bswusa.com.

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Fine Print

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* Non-inventory item subject to return restrictions.

ALESIS

RA100 - Power Amplifier

Features: front panel level controls; silent, convection cooling with large built-in heat sinks for silent operation; .05% THD; power-up delay; clip lights on each channel; unbalanced 1/4" inputs; 1/4" and push clip speaker connectors. 90-day warranty.

RA100	75 watts/chan. @ 8Ω	Mfr. List $379.00	Call For BSW Price

BRYSTON

2B-LP/3B-ST - Power Amplifiers

Features (2B-LP): front panel level control; power/clipping indicator; front panel headphone jack; ground lift switch; balanced inputs with gold plated XLR or 1/4" connectors; gold-plated 5-way binding post output connectors; < .01%THD; 20-year warranty.

Features (3B-ST): power/clipping indicator; ground lift switch; balanced/unbalanced inputs with gold plated XLR/1/4" combination connectors; gold plated 5-way binding post output connectors; < .01%THD; 20-year warranty.

*2BLP	60 watts/chan. @ 8 ohms	Mfr. List $995.00
*3BSTPRO	120 watts/chan. @ 8 ohms	Mfr. List $1,650.00
*4BSTPRO	250 watts/chan. @ 8 ohms	Mfr. List $2,350.00

Call For BSW Prices

CROWN

D45/D75A - Power Amplifiers

Features (both models): detent, front panel level controls; power and distortion indicators; active balanced inputs with XLR/1/4" combination connectors; barrier strip output connectors; <.001% harmonic distortion @ full power; 3-year, no-fault warranty.

D45	25 watts/chan. @ 8Ω	Mfr. List $487.00	Call For BSW Price
D75A	40 watts/chan. @ 8Ω	Mfr. List $641.00	Call For BSW Price

CROWN

K SERIES - Power Amplifiers

Features: completely sealed construction; no fan noise; unmatched thermal efficiency; recessed front panel level controls; LED indicators; universal power supply; modular design in a wide variety of colors; XLR and 1/4" TRS input connectors; 3-way binding post output connectors; 3-year warranty.

*K1	350 watts/chan. @ 8 ohms	Mfr. List $1,532.00
*K2	475 watts/chan. @ 8 ohms	Mfr. List $1,840.00

Call For BSW Prices

CE SERIES - Power Amplifiers

CE Series amplifiers have the rugged construction that characterizes Crown amplifiers, but at a very affordable price level. **Features:** front panel level controls; useful function indicators including power, signal, clip and fault; fan-assisted cooling; short circuit protection; 3-year warranty.

*CE 1000	275 watts/chan. @ 8 ohms	Mfr. List $718.00
*CE 2000	400 watts/chan. @ 8 ohms	Mfr. List $1,025.00

Call For BSW Prices

MACRO TECH - Power Amplifiers

Features (all models): front panel level controls; stereo, bridged mono and parallel mono modes; balanced 1/4" TRS inputs; very low distortion with extremely high dynamic range; 3-year no-fault warranty.

*MA600	220 watts/chan. @ 8 ohms	Mfr. List $1,532.00
*MA1200	310 watts/chan. @ 8 ohms	Mfr. List $1,789.00
*MA2400	520 watts/chan. @ 8 ohms	Mfr. List $2,299.00

Call For BSW Prices

MICRO TECH - Power Amplifiers

Features (all models): rear panel level controls; stereo, bridged mono and parallel mono modes; balanced 1/4" TRS inputs, binding post output connectors; 3-year no-fault warranty.

*MT600	220 watts/chan. @ 8 ohms	Mfr. List $1,075.00
*MT1200	320 watts/chan. @ 8 ohms	Mfr. List $1,383.00
*MT2400	520 watts/chan. @ 8 ohms	Mfr. List $1,793.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

HAFLER

P SERIES - Power Amplifiers

Features (All models): front-panel level controls; soft start power-up; silent convection cooling; output overload protection circuitry; clip and thermal indicator lights; balanced/unbalanced inputs with XLR/1/4" combination connectors; 5-year warranty.

Features (P1000): headphone jack; unbalanced RCA inputs; screw terminal outputs; <0.2% THD.

Features (P1500 and P3000): MOSFET output stages; overload indicator lights; 5-way binding post output connectors; <0.1% THD.

P1000	50 watts/chan. @ 8 ohms	Mfr. List $569.00
P1500	75 watts/chan. @ 8 ohms	Mfr. List $599.00
P3000	150 watts/chan. @ 8 ohms	Mfr. List $779.00

Call For BSW Prices

MACKIE

M800/M1400i - Power Amplifiers

The M800 and M1400i deliver excellent audio quality, reliability under extreme conditions and watts-per-dollar value. **Features:** front panel level controls; T-design constant gradient fan cooling; ultra-low impedance capability; built-in sweepable constant directivity horn compensation; built-in sweepable high-pass filter; flat response over a wide frequency range (+0/-3 dB from 10 Hz to 70 kHz); low distortion (M1400i THD is only .012% at 8 ohms; M800 is only .025%); XLR thru, 1/4" TRS and 5-way binding post outputs.

M800	140 watts/chan @ 8 ohms	Mfr. List $549.00	Call For BSW Price
M1400i	250 watts/chan @ 8 ohms	Mfr. List $699.00	Call For BSW Price

QSC

RMX SERIES - Power Amplifiers

RMX series amplifiers offer true professional-quality performance at low cost. **Features:** front mounted gain controls; independent, user-defeatable clip limiters to reduce distortion; selectable low-frequency filters (30 Hz or 50 Hz) to protect speakers and increase headroom; signal and clip LED indicators to monitor performance; variable-speed fan cooling; balanced XLR, 1/4" TRS and barrier strip inputs; binding post and Neutrik Speakon outputs.

*RMX850	200 watts/chan @ 8 ohms	Mfr. List $549.00
*RMX1450	280 watts/chan @ 8 ohms	Mfr. List $649.00
*RMX2450	475 watts/chan @ 8 ohms	Mfr. List $899.00

Call For BSW Prices

QSC

PLX SERIES - Power Amplifiers

The PLX features studio-quality audio performance including virtually inaudible hum and noise (-110 dB 20 Hz-20 kHz) and ultra-low distortion performance (.03% THD at rated power into 8 ohms). **Features:** PowerWave supply delivers tight high output bass; compact chassis fits in any rack; LED indicators include bridge mono and parallel input modes; all metal XLR and 1/4" balanced inputs; selectable clip limiting and subsonic filters for each channel; 4-wire shock-proof binding posts; true soft-start turn-on.

*PLX1202	200 watts/chan. @ 8 ohms	Mfr. List $798.00
*PLX1602	300 watts/chan. @ 8 ohms	Mfr. List $1,198.00
*PLX2402	425 watts/chan. @ 8 ohms	Mfr. List $1,498.00
*PLX3002	550 watts/chan. @ 8 ohms	Mfr. List $1,798.00
*PLX3402	700 watts/chan. @ 8 ohms	Mfr. List $2,098.00

Call For BSW Prices

SYMETRIX

420 - Power Amplifier

Features: front panel level controls and headphone jack with a speaker mute switch; a mono/stereo mode switch and a switch to allow the gain controls to operate independently or be ganged together; THD < .02% at full power output; 1-year parts & labor.

420	20 watts/chan. @ 8 ohms	Mfr. List $429.00	Call For BSW Price

TASCAM

PA-20MKII/PA-150 - Power Amplifiers

Features (PA-20MKII): front panel headphone monitor output and continuously variable gain control; front panel protection and clip indicators; balanced XLR and unbalanced RCA inputs; push clip speaker connectors.

Features (PA-150): front panel level controls; front panel protection and clip indicators; balanced XLR and unbalanced RCA inputs; binding post speaker connectors; 90 days labor, 1-year parts warranty.

PA20MKII	25 watts/chan. @ 8 ohms	Mfr. List $250.00
PA150	80 watts/chan. @ 8 ohms	Mfr. List $399.00

Call For BSW Prices

For Speakers See Pages 130-135

* Non-inventory item subject to return restrictions.

APHEX

120A - Distribution Amplifier

The model 120A is a high performance 1x4 audio distribution amplifier. **Features:** one high impedance input and four low impedance outputs, all electronically servo-balanced; half-rack-wide sturdy steel chassis may be rack mounted singly or paired with another unit in a single rack space; THD < .002% @ +4 dBm; hum and noise better than 90 dB down.

120A		Mfr. List $319.00
44-008SA	rack kit	Mfr. List $30.00

Call For BSW Prices

ATI

ENCORE SERIES - Distribution Amplifiers

The DA206 is a dual 1x3 DA and the DA412 is a quad 1x3 DA. **Features:** outputs are active balanced and individually adjustable; inputs can be paralleled via internal jumpers for 1x6, 2x6 or 1x12 operation; XLR type input and output connectors.

The DA208 is a dual 1x4 DA and the DA416 is a quad 1x4 DA. **Features:** outputs are active balanced and individually adjustable (transformer out versions available); inputs can be paralleled on rear connectors for 1x8, 2x8 or 1x16 operation; barrier block input and output connectors.

DA206	Dual 1 x 3 DA	Mfr. List $479.00
DA412	Quad 1 x 3 DA	Mfr. List $669.00
DA208	Dual 1 x 4 DA	Mfr. List $379.00
DA416	Quad 1 x 4 DA	Mfr. List $549.00

Call For BSW Prices

DMA103/DA103 - Distribution Amplifiers

The ATI DMA103 is a 1 mic in/3 line out microphone distribution amp. **Features:** three servo balanced line outputs @ +22 dBm; dip switch selection of phantom power and preamp gain for high output microphones and line level inputs; master gain control and independent output level trimmers; XLR input and output.

DA103 is a line level distribution amp. **Features:** 1 line level input to 3 servo balanced outputs @ +22 dBm; master gain control and independent output level trimmers; individual two-piece quick change Phoenix-type connectors, one set for each input and output.

*DMA103	Mfr. List $269.00	Call For BSW Price
*DA103	Mfr. List $239.00	Call For BSW Price

ATI

DDA SERIES - Digital Distribution Amplifiers

These AES/EBU digital audio distribution amplifiers are available in single and dual input configurations. Levels and connectors are optimized for use with balanced XLR 110 ohm cable or unbalanced BNC 75 ohm coax. Adjustable input equalization and multiple regenerated independent AES/EBU low jitter output make them ideal for the most demanding digital audio signal distribution requirements. **Features:** accepts sample rates from 27 to 96 kHz; data reclocking and regeneration; input cable equalization; status and error indicators; transformer balanced inputs; up to 12 XLR or 24 BNC outputs per channel.

*DDA106XLR	1 x 6	Mfr. List $799.00
*DDA112XLR	1 x 12	Mfr. List $939.00
*DDA206XLR	Dual 1x6	Mfr. List $1,169.00
*DDA112BNC	1 x 12	Mfr. List $749.00
*DDA212BNC	Dual 1x12	Mfr. List $1,049.00

Call For BSW Prices

AUDIOARTS

SDA8400 - Distribution Amplifiers

The model SDA-8400 is a 1x8 channel stereo, rack mount distribution amplifier. **Features:** LED status lights for all input and output channels; extremely flat frequency response; separate 3-conductor connectors for each input and output.

*SDA8400	Mfr. List $524.00	Call For BSW Price

ESE

ES246/ES217 - Distribution Amplifiers

The ES246 is a rack mount, quad 1x6 DA with the choice of barrier strip or optional XLR connections. **Features:** front panel gain adjustment is available for each of the 4 input channels; balanced or unbalanced operation with switchable 600Ω or 10kΩ input termination; barrier strip model is 1RU high, the XLR model is 2RU high.

The ES217 is a 1x4 DA housed in a free-standing chassis. **Features:** barrier strip or optional XLR connections; balanced or unbalanced I/O.

*ES246	1x6 DA, barrier strip	Mfr. List $395.00
*ES246XLR	XLR version	Mfr. List $695.00
*ES217	1x4 DA, barrier strip	Mfr. List $195.00
*ES217XLR	XLR version	Mfr. List $320.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

GRAHAM-PATTEN

DA-14 - Digital Distribution Amplifier

The DA-14 is a 4 output distribution amplifier designed specifically for AES/EBU digital audio signals. The unit accepts either XLR or BNC inputs and models are available with either XLR or BNC output connectors. **Features:** compatible with any sample rate from 30 to 50 kHz; built-in data regenerator; passes all data, including channel status and user bits; LED indicator for data error conditions; input sensitivity of 200 mV for compatibility with S/PDIF signals.

*DA14A	XLR out	Mfr. List $399.00	Call For BSW Price
*DA14B	BNC out	Mfr. List $399.00	Call For BSW Price

HENRY ENGINEERING

U.S.D.A. - Distribution Amplifier

U.S.D.A. ("Utility Summing and Distribution Amplifier") can be used as a conventional 1x4 or 2x4 DA, or to combine a stereo input to a mono output. **Features:** two inputs (one stereo pair) accept balanced or unbalanced sources; four 600 ohm balanced outputs (two stereo pairs); mono/stereo switches; built-in power supply; screw barrier connectors.

USDA	Mfr. List $195.00	Call For BSW Price

RDL

RU-SERIES - Distribution Amplifiers

These compact, rugged distribution amps can be mounted up to three across. All units require a PS24A power supply.

RU-DA4D **Features:** two independent channels with one input to 4 outputs; can be configured for 8 mono outputs from single source; balanced or unbalanced I/O via barrier strip connectors; screwdriver level controls.

RU-UDA4 **Features:** two channels, each with a single input to 4 outputs; inputs and outputs are unbalanced -10 dBv with RCA connectors; unity gain is maintained on both channels.

RU-BDA3 **Features:** single, front panel XLR input with gain control accepts either balanced or unbalanced sources; three balanced 150 ohm XLR outputs; alternate rear panel screw barrier input.

RUDA4D	dual 1x4 or mono 1x8 DA	Mfr. List $231.00
RUUDA4	dual 1x4 DA	Mfr. List $163.00
RUBDA3	1x3 balanced I/O DA	Mfr. List $230.00
RURA3	3-unit rack adaptor	Mfr. List $30.00
PS24A	power supply	Mfr. List $18.00

Call For BSW Prices

RADIX

DA1600 - Distribution Amplifier

A rack mount 2x8 or 1x16 DA. **Features:** 8 stereo or 16 mono balanced outputs with front panel level control and selectable pads to accommodate a wide range of input levels; removable, plug-in connectors that allow wiring changes to be made quickly and effortlessly with the DA still in the rack; THD: .01% max @ +20 dBm out, SNR 90 dB, output separation: 90dB.

DA1600	Mfr. List $435.00	Call For BSW Price

ROLLS

RA63 - Distribution Amplifier

A cost-effective, rack mount, 1x6 mono DA. **Features:** independent front panel screw level adjustment for all 6 outputs; balanced 100 kohm input; balanced 20 ohm output; screw barrier type input and output connectors; THD and IMD (SMPTE) are <.008%.

RA63	Mfr. List $188.00	Call For BSW Price

SHURE

FP16A - Distribution Amplifier

Rugged, compact and lightweight, this 1-input, 6-output distribution amplifier is specifically designed for field production and can be powered via internal batteries or an AC adaptor. Ideal as a portable press bridge. **Features:** XLR transformer-balanced input and outputs (each switchable for microphone or line level operation); phantom power; link jacks for connecting additional FP16A units or outboard devices; screwdriver-adjustable gain controls.

FP16A	Mfr. List $645.00	Call For BSW Price

SYMETRIX

581E/305 - Distribution Amplifiers

A quality, 4 input and 16 output distribution amplifier. Each 1 input/4 output module operates independently. Simple rewiring creates 2x8 and 1x16 configurations. **Features:** removable Phoenix-type connectors for easy installation; precision circuitry yields THD + noise less than .009%; LED input metering; level control on inputs and outputs; internal power supply.

The Symetrix 305 is a 1/2 rack 1x4 mono distribution amplifier.

581E		Mfr. List $549.00	Call For BSW Price
305	1x4 mono DA	Mfr. List $199.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

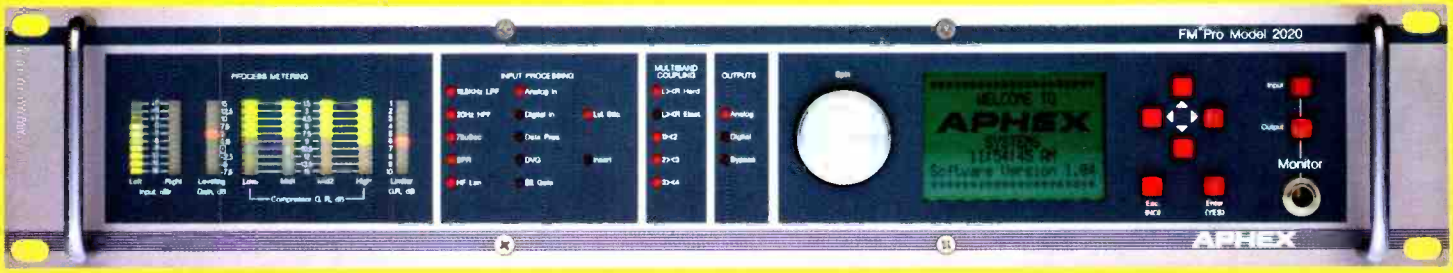
More Truth in Advertising

It's no longer a secret, people all over the world are discovering, despite the hype, that digital dynamics processing can't compete with good analog. Even Cutting Edge® claims their Omnia unit sounds almost as good as analog, while both Cutting Edge and Orban® claim each other's digital product trashes the signal.

The Aphex 2020 FM Pro offers the purity of an all analog signal path with the power of digital control. Through its use of 11 patented circuits, the 2020 achieves the greatest possible loudness while retaining musicality and naturalness.

No digital grunge, no aliasing, no overshoot. No subcarrier artifacts from composite clipping. Just the loudest, cleanest FM processing with the greatest possible coverage area.

Better sound *and* more listeners - too good to be true? Call Aphex today for a demonstration, and we'll show you there *is* truth in advertising.



APHEX SYSTEMS

Improving the way the world sounds℠

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APHEX

2020 FM PRO - Digital FM Audio Processor

Inspired by the success of their Audiophile Air Chain, Aphex has created the FM Pro, a world-class, digitally controlled FM processor with modular and upgradable architecture. FM Pro was designed to offer maximum processing flexibility to help you create a truly unique and competitive sound, from detailed and neutral to heavy and loud. **Features:** 8 read-only factory presets; 16 user programmable read-write presets; Frequency Discriminate Leveler with selectable silence gate and AGC upper and lower control limits; 4-band compressor with adjustable crossover frequencies, adjustable compression drive, Easyrider compression and Peak Accelerated Compression algorithm; bass processor with bass clipper, warm bass EQ, sub bass EQ and total bass mix control; peak limiter; remote control interface with Windows-compatible software for PC control locally or remotely via modem; supervised password security; large LCD graphics panel display; rotary encoder knob; extensive real-time LED metering; balanced XLR analog I/O. **Options:** 2020-1 AES/EBU I/O; 2020-2 pre-emphasis limiter with special 50 or 75 microsecond pre-emphasis filtering and non-overshoot low-pass filters; 2020-3 combination Digicoder type PPDM stereo generator with the pre-emphasis limiter.

2020	base unit w/analog I/O	Mfr. List $4,995.00
2020-1	AES/EBU digital I/O	Mfr. List $500.00
2020-2	pre-emphasis limiter	Mfr. List $500.00
2020-3	stereo generator and pre-emphasis limiter	Mfr. List $2,000.00

Call For BSW Prices

CRL

MILLENNIUM - Digital Audio Processor

The Millennium digital audio processor from Circuit Research Labs marks the beginning of a whole new generation of audio processing technology. The sound is clear and real loud. The Millennium is based on a 32-bit floating point DSP processor. It has a straightforward touch screen and graphical user interface that allows you to create your own unique sound identity – setting your station apart from the crowd. There's also a legion of factory presets from which to choose.

Features: the Millennium includes a true digital stereo multiplex generator, AGC, five-band compressor and a multi-band limiter; remote control software that makes adjustments fast and easy; 100% floating point digital signal processing; 256 kHz final limiter sample rate (the highest currently available); it accepts analog and AES/EBU digital signals (wired or optical). It can even accept both at the same time and mix them in the digital domain.

Hardware and software upgrades are included for the first year at no charge. The AES/EBU rate adaptive digital interface (32 kHz/44.1 kHz/48 kHz) is included at no additional cost. Warranty (parts and labor) is 3 years. The unit is available in an array of "loud" colors as well as black.

MILLENNIUM	Mfr. List $10,9S0.00	Call For BSW Price

CRL

AMIGO - FM and AM Stereo Processors

Amigo audio processing systems combine the best of CRL technology into a complete, economical and compact package that's easy to use.

Amigo FM Features: dual-band AGC followed by a variable pre-emphasis multiband limiter and a digitally synthesized stereo generator; balanced barrier strip audio input and AUX output; BNC composite output.

Amigo AM Features: complete processing for C-QUAM AM stereo; fully mono compatible; dual-band AGC, 3-band stereo matrix limiter; single channel limiter; NRSC output filters; balanced barrier strip I/O.

AMIGOFM	Mfr. List $3,195.00	Call For BSW Price
AMIGOAM	Mfr. List $3,195.00	Call For BSW Price

TVS-3003 - TV Audio Processor

The TVS-3003 combines advanced audio AGC and limiting with a state-of-the-art digitally synthesized MTS generator. It provides a single package stand-alone stereo television audio system. Through the use of time tested circuit technology and innovative packaging, the TVS-3003 lets you convert to stereo quickly and easily. In addition, it includes a long list of "must have" features that will make your station's audio quality stand out. Call and talk to our sales professionals today.

TVS3003	Mfr. List $8,795.00	Call For BSW Price

INOVONICS

235-00/222-00 - AM NRSC Broadcast Processors

The Inovonics 235 triband AM broadcast audio processor is available in various versions with different audio bandwidths. **Features:** fully NRSC-compliant and AMAX-certified; slow "gain-rating" gated-AGC erases long-term input level variations; 3-band compressor/equalizer optimizes program spectral density; peak controller has adjustable clipping depth to maximize carrier modulation; RS-232 allows full remote control.

Designed for AM broadcasting, the 222 can act as a stand-alone processor, or interface with existing processing to provide an NRSC-compliant signal. **Features:** "adaptive" pre-emphasis to enhance signal intelligibility and presence; a sharp cut-off to eliminate adjacent channel interference; built-in peak limiter; feed-forward pulse width modulation (PWM) control.

235-00	Mfr. List $1,800.00	Call For BSW Price
22200	Mfr. List $720.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

INOVONICS

716-00 DAVID II - FM Stereo Processor/Generator

The DAVID II integrates FM audio processing and stereo generation into a single, easy-to-use affordable package. It lets you achieve an aggressive sound that is fully protected from overmodulation without sacrificing ease of setup. **Features:** digital synthesis of the composite multiplex signal; feed-forward pulse width modulation (PWM); built-in composite processor to maximize modulation density; unique "bass-enhanced" feature (suppresses subaudible program components while augmenting legitimate "bottom-end"); internal combining for SCA and RDS subcarriers.

71600 **Mfr. List $2,000.00** **Call For BSW Price**

708-00 - Digital Synthesis FM Stereo Generator

The 708-00 provides cost-effective stereo generation for audio processors that don't have a stereo generator built in. **Features:** digital synthesis of the stereo pilot and MPX signals; front-panel metering; patented overshoot compensation with an adjustable pre-pilot composite clipper; adjustable composite equalization; internal combining for SCA and RDS subcarriers.

***708-00** **Mfr. List $1,530.00** **Call For BSW Price**

MODULATION SCIENCES

CP803 - Composite Processor

Keep your FM station loud, clean and legal by adding the CP803 to your compressor/limiter/stereo generator to enhance the stereo composite signal. Increase your signal by 6 dB with greater dynamic range without the breathing, pumping or swishing associated with conventional processing. The composite processor also eliminates peaks of overmodulation and limits composite signal without affecting stereo pilot. BNC composite I/O.

***CP803** **Mfr. List $1,495.00** **Call For BSW Price**

SCA186 - Sidekick Subcarrier Generator

All you need for SCA in a single chassis. The SCA186 contains subcarrier generator, audio processing, peak holding deviation meter, noise generator and incidental AM noise meter to optimize transmitter tuning for minimum cross talk. Specify 67 kHz or 92 kHz subcarrier when ordering. Balanced screw barrier inputs; BNC composite input; BNC telemetry input; BNC RF input; BNC composite output; BNC SCA output.

***SCA186** **Mfr. List $3,835.00** **Call For BSW Price**

OMNIA

OMNIA - Family of All-Digital Audio Processors

Since the Omnia.fm all-digital audio processor made its debut, it's become the model for an entire family of processors dedicated to providing the best audio platform for different broadcast media. Now in addition to the FM model, Omnia is available in AM, Digital Audio Broadcasting and Internet Webcasting versions. Plus you can order Omnia.fm with specific algorithms for your station's format!

Omnia.fm is a complete digital 4-band FM processor with digital stereo encoder. It utilizes an advanced design philosophy to provide extraordinary sonic performance with maximum control flexibility. From the user-adjustable wideband AGC to the ThunderBoost EQ and non-aliasing final limiter, Omnia will not compromise your sound. What does all this technology add up to? Crystal clear power.

Features: software configured processing on a plug-in PC card with user adjustable wideband AGC; Thunder Boost EQ for cleaner, more powerful low end; four-band AGC; four-band dynamic peak limiter; non-aliasing final limiter that exceeds the smoothness of a well designed analog limiter; selectable composite clipper. Additional features: factory presets for various formats, plus user presets; daypart automation; front panel headphone jack; external control is via local serial RS-232 or modem; balanced XLR analog I/O; AES/EBU digital I/O; SCA/RDS subcarrier input; two independent composite outputs.

Options: new Omnia plug-in PC Card modules provide algorithms to further tailor the power of the Omnia platform; for crank-it-up-to-eleven loudness, choose the Hot model; for stations with more traditional formats like classical or jazz, choose the clean sound of the Veris. The new Space-EFX algorithms improve the stereo soundfield without creating unnatural imaging or increasing multipath.

Omnia.fm.jr is a lower priced, 3-band all-digital FM processor. All other features are identical to the Omnia.fm, including digital I/O and digital stereo generator and it can be upgraded to Omnia.fm at any time.

Omnia.am offers unrivaled levels of positive modulation with a smooth, FM-like quality plus adjustable filtering for NRSC and narrow band broadcast requirements throughout the world. Stereo or mono processing.

Omnia.net provides spectral and loudness consistency to webcasts. It optimizes audio processing for a wide range of bit rates and audio bandwidths, it also conditions audio processing for multimedia listening environments.

Omnia.dab optimizes audio processing for selected broadcast bit rates and audio bandwidths as high as 20 kHz. It's compatible with Eureka-147 transmissions.

Call today and speak to one of our knowledgeable sales professionals about the right Omnia model for your station or application.

OMNIA	FM, 4-band AGC/limiter processing	Mfr. List $9,860.00
OMNIAFMHOT	Includes HOT algorithm for Omnia	Mfr. List $12,760.00
OMNIAFMHOTSPACE	Includes HOT and SPACE-EFX algorithm for Omnia	Mfr. List $13,760.00
OMNIAFMVERIS	Includes VERIS algorithm for Omnia	Mfr. List $11,560.00
OMNIAJR	FM, 3-band limiter processing	Mfr. List $5,860.00
OMNIAAM	AM broadcasting	Mfr. List $5,860.00
OMNIANET	Internet webcasting	Mfr. List $4,860.00
OMNIADAB	DAB applications	Mfr. List $9,860.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

THE FUTURE OF AUDIO PROCESSING

- Only two controls
- Operate the system skillfully in minutes
- 100% Digital Signal Processing Analog to Digital sample rate adaptive
- Straight forward touch-screen programming
- Your choice of excellent factory sound presets
- Power User Controls to create your own custom settings
- Create you own unique sound identity
- Non-volatile memory to store your settings

features	MILLENNIUM®	OPTIMOD® 8200	OMNIA® FM HOT
Touch Screen Control	yes	no	no
32 bit Floating Point Processor	yes	no	no
AES/EBU Rate Adaptive Digital Interface included	yes	no $1,495 extra	yes
Hardware & Software upgrades included at no charge	1 year	no	no
Final Limiter Sample Rate	256 kHz	128 kHz	48 kHz (virtual 192 kHz)
# of Audio Processing Bands	5	5	4
Available in colors	yes	no	no
Warranty (parts & labor)	3 years	1 year	2 years
Base Price	$10,950	$9,595	$10,700
Price with extras	$10,950	$11,090	$10,700

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Optimod is a registered trademark of Orban, Inc.
Omnia is a registered trademark of TLS Corporation.

CRL SYSTEMS millennium

Prices subject to change. Current on 10/5/99

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Call for information on free upgrades and trade-ins.

Circuit Research Labs, Inc.
2522 West Geneva Drive
Tempe, Arizona 85282-3192 U.S.A
Call BSW at 1-800-426-8434

ORBAN

OPTIMOD™ 8200 - FM Digital Audio Processor

The 8200 is a complete digital audio processing system for FM broadcast, fulfilling all of your station's processing needs: automatic gain control, compression, peak modulation control and stereo generation. **Features:** flexible software-based processing; select from several factory presets or adjust and store your own custom presets (up to 32) for instant recall; 5-band processing for comprehensive modulation control; fully software upgradable; automatic program switching for format changes throughout the day or night; 8200PC Software (included with purchase of 8200) provides full control of your station's processing from any location. It displays all of the 8200's meters and processing controls on a computer screen via modem communications or direct connection. Balanced XLR I/O and BNC composite outputs.

Options: the 8200D/32 basic digital interface card allowing 32 kHz AES/EBU inputs and outputs; the 8200D/SRC digital interface card which can accept inputs of 32, 44.1 or 48 kHz AES/EBU and convert for output of 32, 44.1 or 48 kHz AES/EBU.

8200U35	five band processing structure	Mfr. List $9,595.00
8200D/32	digital input/output card	Mfr. List $695.00
8200D5RC	digital I/O with sample rate conversion	Mfr. List $1,495.00
82003.0UPGRADE	software upgrade to V. 3.00	Mfr. List $350.00

Call For BSW Prices

OPTIMOD™ 8200ST/U - Studio Chassis

The 8200ST/U is the perfect companion for the OPTIMOD 8200, used on the studio end of an STL system. It provides average or peak level control by combining stereo AGC compressor/limiter, HF limiter and peak controller. Balanced XLR I/O.

8200ST	Mfr. List $1,400.00	Call For BSW Price

OPTIMOD™ 2200 - FM Digital Audio Processor

The OPTIMOD-FM 2200 features all digital processing and digital stereo encoder/generator in an affordable, single-rack-space package. **Features:** 8 factory presets and 8 user-programmable presets that can be switched from the front panel or via remote control; 2-band processing structure with HF enhancement gives you protection against peak overmodulation plus the loud, clear sound that OPTIMODs are famous for; nonvolatile memory; built-in tone generator; input/output and gain reduction LED meters; balanced analog XLR I/O and two BNC composite outputs. **Options:** digital AES/EBU I/O version available.

2200	analog I/O	Mfr. List $4,250.00	Call For BSW Price
2200D	analog & digital I/O	Mfr. List $4,650.00	Call For BSW Price

ORBAN

8218 - FM Stereo Encoder/Generator with Limiter

The 8218 is an all-digital stand-alone FM stereo encoder/generator with input flexibility, superb performance specifications and a patented limiter that eliminates overshoots. Processing/encoding is performed in the digital domain, assuring extremely clean, stable output. The 8218 accepts left/right analog or AES/EBU digital inputs, either flat, pre-emphasized or NICAM J.17.

*8218U	Mfr. List $1,975.00	Call For BSW Price

OPTIMOD™ 9200 - AM Digital Audio Processor

This true digital processor includes presets for HF applications with V.2.0 software. **Features:** true 5-band DSP processing; factory format presets and user programmable presets; remote switching of presets and selected functions (PC remote control software included); transmitter EQ; built-in sine and square wave test tone oscillator; dual analog output standard.

9200U	mono analog I/O	Mfr. List $4,250.00
9200UD	mono analog & digital I/O	Mfr. List $4,650.00
9200DIO	digital I/O retrofit module	Mfr. List $650.00

Call For BSW Prices

OPTIMOD™ 9100B2 - AM Audio Processor

The industry standard 9100B2 AM audio processor contains a wide band AGC, 6-band limiter, safety clipper, and all appropriate filtering for complete processing control. The result is very high average modulation (loudness), exceptional fidelity, natural sound and freedom from processing artifacts, yielding an FM-like sound on all types of receivers. NRSC compliant. Balanced barrier strip I/O.

9100B2/U10	AM stereo	Mfr. List $6,650.00	Call For BSW Price

OPTIMOD™ DAB 6200 - Digital Audio Broadcast Processor

OPTIMOD DAB 6200 is designed for digital radio broadcasting. A transparent limiter provides control of peaks for protection against digital clipping, while OPTIMOD processing structures ensure source-to-source consistency. Presets are provided for all radio formats and webcasting applications. It's compatible with Eureka 147 and all proposed IBOC DAB and Radio Mondial systems. **Features:** 2-band processing for gentle control of dynamics; 5-band processing with a flexible set of equalization controls; 20 kHz bandwidth for wideband DAB; bandwidth variable to 4 kHz for narrow-band, low-sample-rate broadcasting (IBOC shortwave systems); computer control via modem.

6200	DAB	Mfr. List $6,500.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

If you want to know what's new in AM processing, ask the guy who's been thinking about it since 1962.

BOB ORBAN is a quiet legend in radio. Which is ironic, considering all he's done to engineer louder, clearer, punchier sound in AM broadcast. But after nearly four decades studying, listening, and thinking about audio processing, that wealth of experience has found its way into the latest release of the OPTIMOD 9200 version 2.0. What began as the industry's first 100% digital, fully programmable AM processor is now ready to take major market sound into the new millennium – with unmatched performance, price, and, of course, Orban engineering.

ART AND SCIENCE

Version 2.0 takes the polished, proven sound of the OPTIMOD-AM and blends it with exceptional digital controllability. So now you have a much wider range of sound signatures at your fingertips, with factory presets that guarantee outstanding results even if you aren't an audio processing expert. Day-parting is easy, too, just by using the 9200's versatile remote control to recall presets. Whether it's sports, news/talk or music, Orban's exclusive receiver equalizer overcomes the muddy sound of typical AM radios without sacrificing loudness or coverage. The 9200 delivers a bright, clear, punchy sound at a price that's even less than its analog predecessor. So small market stations can easily achieve major market sound, while larger stations can customize their sound precisely for their format and target demographic.

NOW HF READY

Version 2.0 adds presets that improve punch and intelligibility for narrow-bandwidth audio like shortwave. The same presets are perfect for MW stations needing to cut through co-channel interference at night. So the 9200 is now the perfect choice for MW broadcasters and HF broadcasters alike.

What's more, programmable bandwidth gives MW users the ability to tailor bandwidth to suit their program, and optimize coverage. You can use full bandwidth for music, lower bandwidth for voice. Or reduce your bandwidth if it's required for AM IBOC broadcasts. No other AM processor offers you more options, better engineering, or greater investment protection. That's why in just a few short years, it's become the best-selling digital processor in AM. With nearly four decades of Orban expertise behind it, it's the digital solution that deserves to be called an OPTIMOD.

THE OPTIMOD 9200

orban

H A Harman International Company

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EVENTIDE

BD500 - Digital Broadcast Delay

From the inventors of the digital talk show delay, comes an affordable solution for keeping profanities off the air. **Features:** Eventide's patented automatic catch-up circuitry; a user-definable function to divide the total available delay time into several discrete segments to protect against multiple obscenities that occur in succession; "cough" button momentarily edits audio entering the delay; exact digital read out of delay; a "quick read" bar graph to instantly confirm you have delay time left; RS-232 port and dry contacts for remote control. Balanced XLR I/O. Optional AES/EBU digital I/O.

*BD500-00		Mfr. List $3,395.00
*BD500-100	w/ AES/EBU digital I/O option	Mfr. List $4,690.00

Call For BSW Prices

BD941/BD942 - Broadcast Delays

The Eventide BD941 and BD942 provide a simple and practical "one-button" method for eliminating the risk of on-air obscenities. The mono BD941 is available in 6 and 12 second versions – the stereo BD942 offers 3 or 6 seconds of delay. Balanced XLR I/O.

*BD941-6	mono, 6 second delay	Mfr. List $1,795.00
*BD941-12	mono, 12 second delay	Mfr. List $2,195.00
*BD942-3	mono, 3 second delay	Mfr. List $1,995.00
*BD942-6	stereo, 6 second delay	Mfr. List $2,395.00

Call For BSW Prices

PRIME IMAGE

CASH - Commercial Time Increaser

Cash creates additional commercial time without reducing program content. Sneak in 60 seconds or more of commercial time every 10 minutes. Listeners won't notice it; neither will your on-air staff because it works in real time – right on the air. **Features:** variable commercial time selection (add from zero to 4 minutes, within 10 minutes to 2 hours); undetectable process which doesn't affect pitch; no data compression; no digital artifacts; models available for mono or stereo broadcasts.

*CASH	Mfr. List $12,000.00	Call For BSW Price

RANE

AVA22 - Audio/Video Alignment Delay

The AVA22 provides a cost-effective solution to the problem of aligning audio to video. Modern video processing and satellite links can create time delays between audio and video of up to several frames. The AVA22 has a maximum delay of 9.5 NTSC (8.0 PAL/SECAM) frames and can operate as a stereo unit or as two independent mono channels. Balanced XLR I/O.

*AVA22	Mfr. List $899.00	Call For BSW Price

SYMETRIX

610 - Broadcast Profanity Delay

The Symetrix 610 Broadcast Delay is a cost-effective way to deal with on-air profanities, allowing talk show hosts to "dump" obnoxious callers and automatically build back 7.5 seconds of delay time. **Features:** true stereo delay; selectable build-up time and a two-stage dump option let you set the catch-up time for the speed and intensity of your show; a "cough" button for short duration dumps; an "Exit" function which gradually releases memory to bring audio up to real time at the end of a show; automatic bypass mode; remote control/status connector; switchable input attenuator to simplify hookup. Balanced XLR I/O.

610	Mfr. List $2,695.00	Call For BSW Price

MODULATION SCIENCES

STEREOMAXX - Spatial Enhancer

Almost all air chain processors work to increase loudness. StereoMaxx makes your station sound bigger, not just louder. Smart circuitry does not over-enhance; does not affect mono mic sources. Works with all on-air audio processing units. Balanced XLR I/O.

*STEREOMAXX	Mfr. List $2,889.00	Call For BSW Price

ORBAN

222A - Stereo Spatial Enhancer

The Orban 222A stereo spatial enhancer detects and enhances psychoacoustic directional cues to give your station enhanced stereo imaging. The 222A accomplishes this with no increase in FM multipath distortion, unnatural reverberation, or sensitivity to vertical tracing distortion. Balanced XLR and barrier strip I/O.

*222A	Mfr. List $975.00	Call For BSW Price

275A - Stereo Synthesizer

The Orban 275A stereo synthesizer automatically detects mono signals and blends to mono-compatible synthesized stereo. Includes auto-polarity detector/corrector and single-ended noise reduction. Electronically balanced barrier strip inputs and outputs.

*275A/U	Mfr. List $2,400.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

Pump up your voice with the new ToolVox from Omnia.

TALK TO ME, BABY

The new ToolVox from Omnia is the all-digital microphone processor that jocks everywhere have been waiting for. With ToolVox, voice talent is clean, full and powerful—while the music remains untouched.

ToolVox is the best sounding mic processor ever because it harnesses the power of DSP. Bulletproof AGC, compressor and noise gate sections neatly handle everything from a whisper to a scream. An intelligent de-esser—the first of its kind—uses sophisticated FFT analysis to automatically find and remove every trace of sibilance, while preserving high end frequencies. Built-in phase rotators and TrueVerb from Waves® allow you to maximize vocal presence without affecting the rest of the air-chain. And unlike some "flying saucers", the front panel is talent-friendly—just a single knob and selector switch control everything.

If you think this sounds great on paper, wait 'til your jocks hear ToolVox in the studio. It's the first microphone processor designed by people who really understand audio processing.

To find out more, call BSW at 1-800-426-8434. We're listening to you, baby.

Omnia

CUTTING EDGE 2101 SUPERIOR AVENUE CLEVELAND, OH 44114 USA
CUTTING EDGE EUROPE JOHANNISTR 6 D 85354 FREISING GERMANY

A Telos Company

BSW Advantage Partner

AIR CORP

500PH - Mic Processor

Designed specifically for radio announcers, this unit is built to withstand the rigors of broadcasting. **Features:** front panel input level selection; 3- band EQ; compressor/expander; de-esser; effects insert point; remote control via DB-25 port; simultaneous mic and line level output for mix minus setup; balanced XLR input, line output and mic output; 1/4" TRS effect loop I/O.

500PH Mfr. List $799.00 Call For BSW Price

DBX

286A - Mic Processor

An inexpensive way to get really great sounding vocals. **Features:** a single, studio quality mic preamp with phantom power; compressor circuit; de-esser; patented high-frequency and low-frequency detail controls; high-pass filter; expander/gate section; balanced mic and line level inputs; insert jack for utilizing outboard processing and effects; balanced XLR inputs; balanced 1/4" TRS outputs.

286A Mfr. List $349.95 Call For BSW Price

OMNIA

TOOLVOX - Digital Microphone Processor

ToolVox is the first mic processor specifically designed to complement broadcast on-air processing to deliver a smooth, powerful voice presence. **Features:** discrete, low noise mic preamp with phantom power and up to 70dB gain for dynamic mics; 24-bit converters; all-digital processing includes AGC, compressor/expander, noise gate, multi-level phase rotator and a sophisticated and unique frequency domain de-esser to prevent harsh sibilance splatter; three fully adjustable HP/LP/BP/peak/shelving filters; TrueVerb from Waves®; stereo analog and AES/EBU outputs; hybrid send; user interface provides for a jock-friendly front panel with access to 100 presets and full operational control via RS-232 or TCP/IP interfaces. Remote control and preset management software included.

OMNIATOOLVOX Mfr. List $1,780.00 Call For BSW Price

PRESONUS

VXP - Microphone Processor/Channel Strip

This single channel, multi-featured microphone processor provides a high-quality mic-pre, compressor, expander, de-esser, semi-parametric EQ and peak limiter in a highly visible, user-friendly unit. **Features:** high-quality transformer with Class A discrete FET input buffers and Dual Servo Gain Staging; 16 programmed compression curves; variable control over expansion threshold and ratio; variable de-esser from 800 Hz to 8 kHz; 4-band equalizer section; high headroom (+24 dB); THD <0.005%, signal to noise ratio @ >96dB; multiple meter and function lights; balanced XLR I/O; 1/4" TRS send and return jacks. **Features:** 24-bit digital output card.

VXP Mfr. List $699.95 Call For BSW Price

RANE

VP12 - Mic Processor

The VP12 is a mic or line level voice processor that incorporates a mic preamp stage and comprehensive dynamic processing with EQ. **Features:** XLR mic input with switchable phantom power and a balanced line input; both inputs can be selected separately or summed together; high/low-cut filters; de-esser provides effective sibilance control; expander/gate and compressor; two bands of parametric EQ, each with 20 kHz bandwidth.

VP12 Mfr. List $599.00 Call For BSW Price

SYMETRIX

528E - Voice Processor

An industry standard analog voice processor with 5 major functions in a single-rack-space unit. **Features:** microphone preamp with a switchable 15 dB pad; front panel mic/line level switch; 48-volt phantom power; voice symmetry switch (phase rotator) that corrects for excessive positive or negative signal peaks; de-essing with frequency and range controls; compression/limiting with downward expansion; 3-band parametric equalization. Balanced XLR mic and line level inputs; balanced XLR and unbalanced 1/4" outputs; 1/4" in and out patchpoints on each section.

528E Mfr. List $749.00 Call For BSW Price

628 - Digital Voice Processor

The programmable Symetrix 628 digital voice processor offers 128 memory presets for personalized voice work in broadcast and recording. It combines a premium quality microphone preamplifier, compressor/limiter, expander/gate, de-esser, and parametric 3-band EQ in a single rack space. **Features:** high-gain direct coupled mic preamp with phantom power; precise parameter adjustment with rotary knobs; 128 processing presets including 8 factory presets; 20-bit A/D and D/A converters; mic and line level inputs; AES/EBU and S/PDIF digital output; balanced XLR and unbalanced 1/4" analog outputs; MIDI in/out. **Options:** remote preset controller (model #RC1SYMETRIX shown above).

628 Mfr. List $1,199.00 Call For BSW Price

RC1SYMETRIX Mfr. List $199.00 Call For BSW Price

VALLEY AUDIO

401 - Mic Processor

Features: low noise, high-gain mic preamp with switchable 48-volt phantom power; 3-band EQ with center frequencies and slopes specifically tailored for voice; compressor and expander/gate functions that operate interactively to provide effective dynamic control without unwanted noise artifacts; de-esser with normal or heavy settings; balanced XLR mic/line input; balanced XLR mic and 1/4" TRS line level outputs; balanced 1/4" TRS line level send and return jacks.

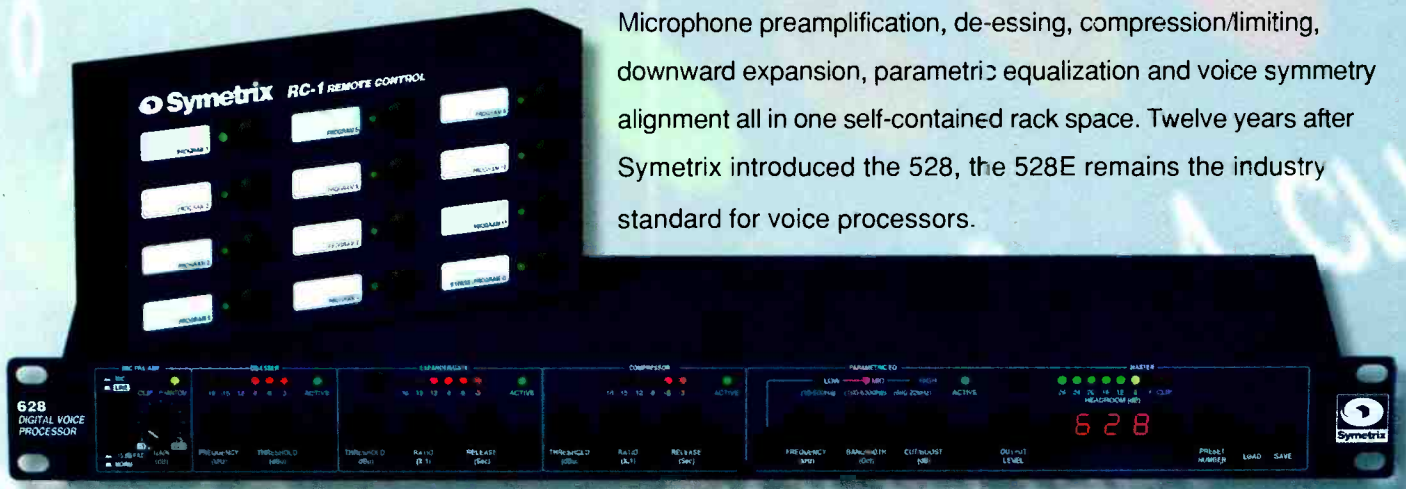
401 Mfr. List $680.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

THE ENTIRE HISTORY OF VOICE PROCESSING INNOVATION

528E Voice Processor

Based on Symetrix's pioneering design in analog voice processing. Microphone preamplification, de-essing, compression/limiting, downward expansion, parametric equalization and voice symmetry alignment all in one self-contained rack space. Twelve years after Symetrix introduced the 528, the 528E remains the industry standard for voice processors.



628 Digital Voice Processor

The next generation in personalized signal processing for voice talent. This digital counterpart combines the familiarity of the 528E's analog front end with the power of 119 custom presets. No menus to step through, just straightforward adjustments with the turn of a knob. The optional RC-1 remote controller accesses eleven presets, provides a bypass function and eliminates frantic dashes to the equipment rack. Presets tailored for each on-air talent are only one button away with the 628.

Voice Processing Excellence for Broadcast and Production

Symetrix

ALESIS

3630 - Compressor/Limiter/Gate

An affordable dual channel unit, the 3630 ideal for a number of applications from vocal recording to stereo program mixdown. **Features:** switchable RMS/peak and hard knee/soft knee styles of compression; variable attack and release in peak mode allow you to customize the dynamic response to suit the job; independent built-in noise gate ensures quiet performance; sidechain inputs for de-essing or ducking functions; dual mono or stereo operation; unbalanced 1/4" I/O with -10/+4 level selection.

3630 **Mfr. List $299.00** **Call For BSW Price**

APHEX

661 - Expressor Tube Compressor/Limiter

This single channel unit combines several of Aphex's leading technologies such as Expressor™ manual compression circuitry, Easyrider® automatic compression and Tubessence® tube sound circuitry. **Features:** HFX™ high frequency expander; linking for multi-unit operation; sidechain low-cut filter; 20 segment audio level and gain reduction meters; switchable -10/+4 levels; balanced XLR and TRS I/O.

661 **Mfr. List $749.00** **Call For BSW Price**

COMPELLOR - Compressors/Limiters

The dual-channel 320A delivers intelligent compression, levelling and peak limiting simultaneously for automatic gain riding that is artifact-free. **Features:** dynamic silence gate and quick compression recovery; 3 modes of stereo/dual mono operation; comprehensive metering; balanced or unbalanced I/O via XLR connectors.

The single-channel 323A combines Compellor® circuitry with Aphex's popular Aural Exciter® circuitry. Balanced or unbalanced I/O via XLR connectors.

320A dual channel **Mfr. List $1,350.00** **Call For BSW Price**
323A single channel **Mfr. List $949.00** **Call For BSW Price**

DOMINATOR II - Stereo Peak Limiter

Dominator II is a precise stereo multi-band peak limiter for applications requiring an absolute peak ceiling. **Features:** peak ceiling adjustable in .2 dB steps over a 34 dB range; switchable low to mid and mid to high crossover frequencies; remote control hardwire bypass; dynamic range 104 dB and THD distortion of less than .005%; balanced XLR I/O.

720 standard version **Mfr. List $1,350.00** **Call For BSW Price**
722 with pre/de-emphasis **Mfr. List $1,495.00** **Call For BSW Price**

APHEX

108 EASYRIDER - Automatic Compressor

A very easy to use, yet effective and natural sounding 2-channel automatic compressor, the 108 is also extremely affordable. **Features:** Aphex's patented Wave Dependent Compressor™ circuitry and No-Knee™ compression curve automatically set attack and release times as well as compression ratios; input drive control; 20dB gain reduction meters; switchable -10/+4 operating level; balanced 1/4" TRS I/O.

108 **Mfr. List $299.00** **Call For BSW Price**

ART

PRO VLA/DUAL LEVELAR - Leveling Amplifier

The Pro VLA (Vactrol tube-based Leveling Amplifier) offers two independent channels of optical leveling/compression. Its transformerless design provides a warm sound, yet maintains exceptional signal integrity and low noise. **Features:** stereo linking of channels; I/O VU metering; 10-segment gain reduction LEDs; variable threshold ratio; balanced XLR and 1/4" I/Os.

The DUAL LEVELAR offers optical compression and limiting for smooth audio leveling and the warmth of vacuum tubes without noise. **Features:** premium 12AX7A tube; adjustable threshold control; selectable attack and release; gain reduction LED; balanced XLR and unbalanced 1/4" I/O.

***212PROVLA** **Mfr. List $679.00** **Call For BSW Price**
256 DUAL LEVELAR **Mfr. List $369.00** **Call For BSW Price**

DBX

DDP - Digital Compressor/Limiter/Gate

The DDP stereo processor gives you the classic dbx sound with gating, compression, limiting, de-essing and sidechain EQ with the precise control of digital. **Features:** extensive metering; graphical representation of signal shows composite effects in real time; 24-bit A/D-D/A converters; 50 factory and 50 user presets; balanced XLR and TRS 1/4" I/Os. **Options:** digital I/Os.

DDP **Mfr. List $599.95** **Call For BSW Price**

QUANTUM - Digital Mastering Processor

Quantum is the first studio mastering tool that offers sampling rates up to 96 kHz, with a true 48-bit digital signal path and superior dbx dynamics processing. It also comes with the patent-pending TYPE IV™ conversion system on board. TYPE IV captures the character and original warmth of any analog signal to the digital domain. **Features:** 4-band stereo compressor/gate/limiter; 5-band EQ (hi and low shelves, 3-band fully parametric); outputs to 16, 20 or 24 bits; AES/EBU and S/PDIF digital I/O.

QUANTUM **Mfr. List $1,995.95** **Call For BSW Price**

* Non-inventory item subject to return restrictions.

DBX

160SL - Compressor/Limiter

The newest member of the 160 series, the 160SL is designed around a powerful VCA that boasts 127 dB dynamic range. **Features:** ultra-low distortion; attack, release and hard-knee threshold characteristics of the classic 160; OverEasy® compression mode; PeakStopPlus® limiting; sidechain input; Jenson® transformers; balanced I/O with gold-plated Neutrik® XLR connectors.

***160SL** **Mfr. List $2,799.95** **Call For BSW Price**

160A - Compressor/Limiter

The 160A is an improved version of the famous 160 single channel compressor/limiter. **Features:** Over-Easy® or hard-knee operation; wide range of compression ratios including negative compression; gain reduction and input/output level metering; balanced XLR and TRS inputs; independent balanced XLR and unbalanced 1/4" outputs.

160A **Mfr. List $459.95** **Call For BSW Price**

1066 - Compressor/Limiter/Gate

This flexible dynamics control device allows you to choose the level and style of compression/limiting you like. Use the "Auto" button to automatically achieve a classic "dbx" sound, or use the independent attack and release controls to tailor the 1066 to your specific needs. **Features:** PeakStopPlus™ circuitry offers stiff limiting without unwanted side effects; new lightpipe technology replaces standard LEDs, making the 1066 very easy to read and operate; sidechain input for ducking and frequency dependent limiting; balanced inputs and outputs with XLR and 1/4" connectors.

1066 **Mfr. List $549.95** **Call For BSW Price**

166XL - Compressor/Limiter/Expander/Gate

This two-channel, stereo linkable compressor/limiter/expander/gate offers a choice of Over-Easy® or hard-knee compression with two sets of program dependent attack and release time constants. **Features:** expander/gate with continuously variable release and a 75 dB threshold range; PeakStop® limiting; switchable low frequency shelf prevents LF programming from punching holes in your sound; balanced XLR and 1/4" inputs and outputs.

166XL **Mfr. List $329.95** **Call For BSW Price**

DBX

266XL - Compressor/Gate

The 266XL is a full-featured, high-performance dual compressor/gate that uses the dbx AutoDynamic™ attack and release circuitry to deliver true dbx compression for a wide range of applications, plus an advanced dbx gate circuit for smooth, natural sounding gating. **Features:** stereo or dual-mono operation, separate precision LED displays for gain reduction; simple set up and operation; sidechain insert; balanced XLR and 1/4" TRS inputs and outputs.

266XL **Mfr. List $249.95** **Call For BSW Price**

PRESONUS

ACP88 - Eight Channel Compressor/Limiter/Gate

The ACP88 is an 8-channel dynamics processor designed to provide compression, limiting and noise gating in a variety of applications: multitrack recording, live sound reinforcement, broadcast and permanent sound installations. Each channel on the ACP88 provides crystal clear, musical compression and is equipped with full-featured controls including variable attack and release and soft/hard knee. **Features:** manual or auto compressor mode; noise gate with gate key/sidechain for precise frequency gating applications; linking function makes it possible for any channel to be linked (from 2 to 8 channels together in any order); LED indicators; balanced 1/4" TRS I/O (selectable +4dBu/-10dBu switch); two-rack, all-steel chassis.

***ACP88** **Mfr. List $999.95** **Call For BSW Price**

ACP22 - Compressor/Limiter

The ACP-22 two-channel dynamics processor is designed to provide compression, limiting and noise gating for a variety of applications. **Features:** compression ratio from 1:1 to infinity:1; variable attack and release times and switchable hard/soft-knee; automatic mode offering program dependent attack and release times; switchable gate range (-60 dB/-6dB); internal power supply; balanced XLR and unbalanced 1/4" I/Os.

***ACP22** **Mfr. List $399.95** **Call For BSW Price**

BLUEMAX - Compressor/Limiter

Presonus BLUEMAX is a smart stereo compressor/limiter with 15 studio presets: 3 vocal presets, 8 instrument settings, 2 classic stereo settings and 2 special effects. Besides the studio presets, its manual mode gives you full control over compression parameters including variable input/output, attack/release times and ratio from 1:1 to 20:1. **Features:** onboard metering shows input/output levels & gain reduction; sidechain input; stereo/mono operation; +4/-10 stereo operating levels; internal power supply; unbalanced 1/4" I/Os.

BLUEMAX **Mfr. List $199.95** **Call For BSW Price**

* Non-inventory item subject to return restrictions.

M80

1999 Nominee

The PreSonus M80 Eight Channel Microphone/Preamplifier with Mix Bus.

"...a microphone power tool...eight channels of no-fuss gain, a convenient mix bus and flexible I/O..."
Loren Alldrin, Pro Audio Review

- Amazing front end for two, four or eight channel analog to digital converters including Digidesign™ 888, MOTU™ 2408 & others.
- High headroom mix bus allows true stereo imaging.
- High impedance inputs for exceptional instrument preamplification.
- Insert your favorite outboard gear via Servo Balanced Send/Return Jacks.
- Feed the inputs of any digital audio workstation with the M80's direct outputs.
- Chain multiple M80's together via the Auxiliary Input.
- Mix Bus assign for Multiple Mic/Instrument Stereo Imaging and monitoring via headphone out.

MP20

The Perfect Gift for Your Favorite Pair of Microphones.

"Wholly praiseworthy products seem to come along only once in a blue moon... The PreSonus MP20 is one of those rare products."
Brian Knave, Electronic Musician

- Each channel includes Polarity Reversal, Phantom Power, 20dB Pad, Rumble Filter, Full Output Metering and High Impedance Instrument input for DI with amplification.
- HUGE Class A Sound!
- 10Hz to 50kHz Bandwidth. EIN less than -127.5dB.
- IDSS Control Adjusts Harmonic Distortion to emulate a tube circuit.
- Servo Balanced Send and Return Jacks on Each Channel for External Balanced Processing.
- High Output Headphone Amplifier.

VXP

Instant Vocal Karma.

The PreSonus VXP Dual Servo Mic Preamp Voice Processor.
Your all-in-one, easy-to-use, set & forget total microphone processing solution!

- Mic Preamp: Hi quality transformer with Class A Discrete Input Buffer, Dual Servo Gain Stages. IDSS Control. Phantom Power. 20dB Pad.
- Dynamics Processing: 16 Pre-set compression curves. Downward Expander (Variable). De-esser (Variable). Crystal Clear Compression Optimized for Maximum Dynamics Control.
- Equalizer: Four Band, Semi-Parametric EQ with Low and High Shelving. High Pass Rumble Filter. Narrow Q select.
- Peak limiter Maximizes Bit Resolution for Digital Recorders and provides a separate Threshold from the compressor section.
- Optional 24-Bit, 48K/96K digital audio output card. Crystal™ converters, selectable sample rate external clock input, psycho-acoustic dithering. SPDIF and AES/EBU output connections.

FEEL THE VIBE

PreSonus products have vibe, making them favorites with engineers & artistsall over the world. Use PreSonus products for your own creative applications. PreSonus' huge sounding, musical mic-preamps give YOU the creative edge! Packed with the latest in engineering excellence, high-end components and amazing features, unparalleled artistic attitude can be yours! If you don't have at least one PreSonus product in your rack, it is time you felt our vibe!

PreSonus
[audio electronics]

www.presonus.com

RANE

DC24 - Audio Dynamics Processors

This unique, 2 channel compressor/limiter/expander/gate offers split band processing for separate control over lows and highs. **Features:** controls for compression ratio and threshold, expander/gate ratio and threshold, limiter threshold; gain reduction LED meters; built-in crossover for split band processing; XLR and 1/4" I/O (switchable -10 dBv/+4 dBu).

DC24 Mfr. List $599.00 Call For BSW Price

SYMETRIX

301/306 - Compressor/Limiter and Preamp/Ducker

The Symetrix 301 compressor/limiter delivers extremely clean compression for broadcast applications. Unique circuitry eliminates secondary causes of distortion during compression, allowing use of shorter release times. **Features:** automatic attack/release button for quick preset setup; 115 dB range; ultra-low THD+Noise of less than .008% at any gain reduction level; balanced XLR and Euroblock inputs and outputs; half-rack size.

The 306 is a streamlined paging/foreground music front-end with comprehensive ducking controls. Separate threshold, depth, hold and release adjustments allow precise modulation of program material in the presence of a page. **Features:** output gain adjustable over a ± 20 dB range; XLR mic/line in for paging systems with switchable phantom power available for condenser mics; stereo RCA line input for foreground music and program sources.

301 Mfr. List $249.00 Call For BSW Price
306 Mfr. List $299.00 Call For BSW Price

565E - Compressor/Limiter/Expander

An extremely flexible, low distortion, high performance multi dynamics processor. **Features:** two channels (each with simultaneous downward expander, compressor and peak limiter); Dynamics Squared™ circuitry reduces distortion during gain reduction for better-sounding compression; dual mono or stereo operation; individual LED meters for each processing section and output; balanced XLR and unbalanced 1/4" inputs and outputs.

565E Mfr. List $399.00 Call For BSW Price

501 - Compressor/Limiter

A single channel processor with variable ratio compressor and an infinity-to-one peak limiter for use in broadcasting, music recording, sound reinforcement and tape duplication. **Features:** selectable manual or automatic attack/release modes; RMS and interactive peak control; stereo linkable (two units required); sidechain I/O; balanced XLR and unbalanced 1/4" inputs and outputs.

501 Mfr. List $429.00 Call For BSW Price

SYMETRIX

422 - Stereo AGC Leveler

This stereo, wide-range, AGC amplifier and peak limiter keeps audio levels consistent by gently bringing up lower level audio and transparently limiting audio that is too hot. Radio stations use the 422 as a preprocessor to boost the "horsepower" of their on-air processors. The 422 is an excellent remedy to inconsistencies between commercials and other program material for TV stations, cable systems and automated radio stations. It also helps maintain higher average recording levels and prevents overloading the inputs of digital production systems. **Features:** target level control for easy setup; parallel input and output LED ladder metering; remote bypass port; balanced or unbalanced I/O via XLR and TRS connectors.

422 Mfr. List $599.00 Call For BSW Price

ALESIS

MEQ230 - Graphic Equalizer

No other equalizer offers more EQ control in such a small package. **Features:** two complete 30-band 1/3 octave equalizers in one rack space; each channel handles frequencies from 25 Hz to 20 kHz with ±12dB boost or cut per band; power up delay circuitry protects speakers from damage; unbalanced I/O via 1/4" and RCA jacks.

MEQ230 Mfr. List $299.00 Call For BSW Price

ART

300 SERIES - Graphic Equalizers

Choose from the dual 15-band (341) or single channel 31-band (351) EQ in a single rack space, or dual channel 31-band (355) EQ in a dual rack space. **Features:** dual range switch (±6dB or ±12dB cut/boost); bypass switch; high-pass and low-pass controls (on 351/355 only); balanced XLR, 1/4" and unbalanced RCA I/O; 120/240 volt switch; rear panel ground lift switch; LED clip indicators.

341 dual 15 band Mfr. List $249.00 Call For BSW Price
351ART single 31 band Mfr. List $249.00 Call For BSW Price
355ART dual 31 band Mfr. List $389.00 Call For BSW Price

RANE

PE17 - Parametric Equalizer

Rane's five-band parametric EQ is excellent for digital audio workstations, production and on-air applications. Low noise and wide bandwidth make it ideal for heavy commercial use. **Features:** 5 bands each with full 10 Hz to 20 kHz frequency range; sweepable high and low-cut filters; bandwidth range from 2 octaves to .03 octave; ±12/-15 dB boost/cut range; individual band bypass switches; balanced XLR and 1/4" TRS inputs and outputs; 1/4" TRS patch insert jack.

PE17 Mfr. List $549.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

GEORGE SHEPPARD - CEO

60 PRODUCTS, ONE PROMISE.

You've probably heard that Rane makes the best EQs and crossovers around. You heard right. But you've really only heard the beginning. Rane actually makes more than 60 different innovative audio products, from tiny low-noise mic preamps to sophisticated multi-function Digital Signal Processing stations. Rane products serve a wide variety of applications from sound stage to nightclub, recording studio to teleconferencing system, courtroom to cinema. But they all have one thing in common—the Rane philosophy. A dedication to quality we promised in our very first brochure. And a promise that is stronger than ever today. We vowed that each and every model we make will carry that distinctive set of Rane characteristics: top of the line performance, refreshingly easy to operate, remarkably cost-effective, extremely reliable, and thoroughly backed by the best technical and customer support in the industry. We've made good on this promise for nearly two decades, with legions of satisfied Rane owners to show for it. Whatever your sound needs might be, be sure to ask about Rane. You'll be very glad you did. We promise.

RANE

RANE

ME SERIES - Graphic Equalizers

The ME60 dual channel stereo graphic equalizer features 20mm sliders for precise visual control. **Features:** 2 x 30 bands of interpolating constant-Q filters; sweepable high and low-cut filters; ±12 dB boost/cut range; input level controls; overload indicators; bypass switches; balanced XLR and 1/4" TRS inputs and outputs; unbalanced RCA I/O; two-year limited warranty.

The Rane ME15B is a 2 channel, 15-band 2/3 octave EQ in a single rack space unit. The ME30B is a single channel unit with 30 bands (1/3 octave). **Features (both units):** a range switch for the 20mm faders allowing cut or boost of ±12dB or ±6dB; input and output level controls; balanced XLR or 1/4" TRS I/O.

*ME60	Mfr. List $699.00	Call For BSW Price
*ME15B	Mfr. List $439.00	Call For BSW Price
*ME30B	Mfr. List $429.00	Call For BSW Price

ROLLS

REQ SERIES - Graphic Equalizers

REQ215 is a low cost, dual-channel, 2/3 octave equalizer in a single rack space with features and performance comparable to higher priced EQs. **Features:** smooth band-pass filtering that's virtually distortion-free; transparent low-noise circuitry; high and low shelving filters with adjustable roll-off and high-cut functions; 5 segment LED metering; balanced XLR or unbalanced 1/4" phone jack I/O.

REQ231 is a 31-band stereo operation graphic EQ.

REQ215	Mfr. List $250.00	Call For BSW Price
REQ232	Mfr. List $460.00	Call For BSW Price

SYMETRIX

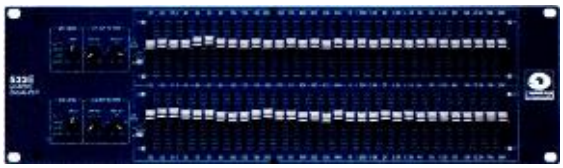
550 SERIES - Parametric Equalizers

The 551E is a mono device that provides more accurate and precise control than is possible with a graphic EQ. **Features:** 5 identical, fully overlapping EQ bands, each with 12 dB boost and 20 dB cut; adjustable bandwidth from .05 to 2 octaves and a frequency range control from 10 Hz to 20 kHz; extremely low noise and distortion; high cut and low cut filters; balanced and unbalanced I/O via XLR and 1/4" TRS connectors.

The 552E is a dual five-band parametric EQ for stereo applications.

551E	Mfr. List $449.00	Call For BSW Price
552E dual channel	Mfr. List $749.00	Call For BSW Price

SYMETRIX



530 SERIES - Graphic Equalizers

The 530 Series graphic equalizers are a high-quality, value driven alternative to other affordable equalizers. Proprietary topology delivers extremely low noise and distortion. **Common Features:** mode switch for bypass, ±6 dB, or ±12 dB cut/boost ranges; high-cut and low-cut filters; metal shaft faders for precise control; balanced XLR and TRS I/O; internal power supply.

The 531E is a 2RU, mono 31-band unit with 60mm faders. The 532E is a dual 31 band with 20mm faders and the 533E is dual 31-band with 45mm faders in a 3RU chassis.

531E	Mfr. List $599.00	Call For BSW Price
532E	Mfr. List $749.00	Call For BSW Price
533E	Mfr. List $949.00	Call For BSW Price

SABINE

FBX SERIES - Feedback Reduction Systems

The FBX Series Feedback Exterminators utilize narrow band, digital FBX filtering to automatically find and eliminate feedback without taking a big chunk out of your sound. These units are perfect for PA applications or for studios where live monitors are being employed. Entry level models SL-820 (line level) and SM-820 (mic level) are compact, single channel units that can be mounted up to six across in a single rack space. 1/4" TRS I/O; external DC or battery powered. **Options:** rack tray; master power supply.

The FBX-1020PLUS (single channel) and FBX-2020PLUS (dual channel) are single rack space units that offer 20-bit digital conversion plus more control over filter depth and number of filters employed. These models offer 12 filters per channel. Balanced/unbalanced I/O via XLR and TRS jacks.

*SL820	line level, single channel	Mfr. List $324.95
*SM820	mic level, single channel	Mfr. List $349.95
*FBX1020PLUS	single channel rack mount	Mfr. List $599.95
*FBX2020PLUS	dual channel rack mount	Mfr. List $1,099.95

Call For BSW Prices

YAMAHA

GQ SERIES - Graphic Equalizers

Yamaha EQs are widely used in sound contracting and PA work and are known for their reliability and sonic accuracy. **Features:** active filters to provide minimum phase shift and smooth response at any boost or cut setting; switchable EQ gain of ±6 dB or ±12 dB; high-pass filter; balanced and unbalanced operation via XLR and 1/4" jacks.

GQ2015A	dual 15-band 1RU high	Mfr. List $429.00
GQ1031C	mono 31 band, 1RU high	Mfr. List $399.00

Call For BSW Prices

* Non-inventory item subject to return restrictions

ALESIS

Q20 - 20-Bit Digital Effects Processor

The Q20™ professional 20-bit master effects processor offers incredibly versatile reverb and multi-effects for broadcasters. Its 24-bit DSP chip can produce up to eight effects at once. **Features:** 20-bit, 256 times oversampling A/D and D/A converters; graphical display; 50 different effect types include reverb, graphic and parametric EQ, flanging, delay/modulation, pitch and more; balanced XLR and 1/4" TRS analog I/O; ADAT and S/PDIF digital I/O.

Q20	Mfr. List $999.00	Call For BSW Price

MIDIVERB 4/MICROVERB 4 - Digital Effects Processors

MidiVerb 4 is a flexible multi-effect processor with the ability to combine up to 3 effects simultaneously. **Features:** 128 factory presets including reverbs, delays, chorus, flanging and pitch effects; comprehensive editing system which lets you program your own effects and store them in memory; stereo or mono modes; auto level sensing inputs; unbalanced 1/4" I/O.

MicroVerb 4 is a true stereo, 18-bit effects processor in an affordable package. **Features:** 100 preset and 100 user programs including varieties of reverbs, delays, chorus, flange, etc.; mono and stereo programs with single and multiple effects; dual-send programs that allow you to send one effect to one channel and another to the other channel; unbalanced 1/4" I/O.

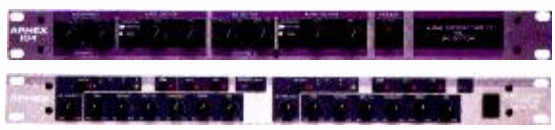
MIDIVERB4	Mfr. List $329.00	Call For BSW Price
MICROVERB4	Mfr. List $249.00	Call For BSW Price

NANOVERB - Digital Effects Processor

This compact, inexpensive 2-channel processor offers high quality effects that you can take with you on the road. **Features:** 16 adjustable programs including reverbs, chorus, delay, flange as well as multi-effects such as chorus/reverb and chorus/reverb/delay and a realistic rotary speaker simulator; 24-bit DSP chip; 18-bit A/D and D/A converters; unbalanced 1/4" I/O.

NANOVERB	Mfr. List $135.00	Call For BSW Price

APHEX



250/104 - Aural Exciters

Aural Exciter 250's spectral phase refraction and adjustable harmonics mixing can restore the punch lost in FM processing and add new life to AM sound. **Features:** two modes of noise reduction actually erases noise; RF filtered power; I/O levels from -10 to +8 dBm; balanced XLR I/O.

The 104 is the Aural Exciter in an affordable package. **Features:** increases presence and clarity with enhanced stereo imaging; Big Bottom™ provides more powerful bass; +4 or -10 dB operation; unbalanced 1/4" I/O.

250	Mfr. List $995.00	Call For BSW Price
104	Mfr. List $299.00	Call For BSW Price

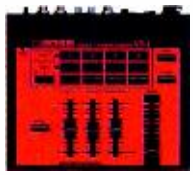
ART

DMV-PRO - Dual Digital Effects Processor

The DMV-PRO is a true, dual stereo effects processor. It offers all the parameter editing, MIDI capability and programmability of two full-featured effects processors. Independent editing interfaces allow for immediate access to both stereo processors, and its two LCDs provide clear visual feedback. **Features:** 24-bit effects processing; 20-bit A/D-D/A; many effects including hall, chamber and room reverbs, chorus, flange, pitch-shift, tremolo, panning, delay and more; fully programmable with 100 user presets; MIDI controllable; 4 unbalanced 1/4" inputs and outputs.

416	DMVPRO	Mfr. List $525.00	Call For BSW Price

BOSS/ROLAND



VT-1 - Voice Transformer

Actually change the entire character of your voice with the Boss (Roland) VT-1. Easy-to-use controls let you change your voice to sound like the opposite sex, robots, chipmunks and others. **Features:** 4 memory presets; pitch sliders to raise or lower the fundamental note pitch; mic and line I/Os.

VT-1	Mfr. List $395.00	Call For BSW Price

DIGITECH

QUAD 4 - Digital Effects Processor

With 4 completely independent inputs and outputs, the Quad 4 gives you the power of two true stereo processors or 4 independent mono processors in a single rack space unit. **Features:** 180 factory programs; 100 user program locations; effects including reverbs, delays, choruses, compression, intelligent pitch shifting and more; large custom LCD display; internal signal input/output routing; 4 separate balanced XLR and 1/4" inputs and 4 separate balanced XLR and 1/4" outputs.

*QUAD4	Mfr. List $479.95	Call For BSW Price

S100/S200 - Digital Effects Processors

The S100's dual engine configuration can operate as two individual effects processors or as a single stereo processor. The high-quality effects range from pristine reverbs and delays to rich choruses, flangers and phasers to hard-to-find effects like vocoder and ring modulator. **Features:** 26 different effect types (99 user and 99 factory presets); 5 effect routing configurations; MIDI selectable programs; 24-bit internal signal path; 20-bit A/D and D/A conversion; 96 dB S/N ratio; unbalanced 1/4" inputs and balanced 1/4" outputs.

S200 adds a graphical display and preview function for easy program creation and immediate feedback during performance.

STUDIO100	Mfr. List $219.95	Call For BSW Price
S200	Mfr. List $339.95	Call For BSW Price

* Non-inventory item subject to return restrictions

EVENTIDE

H3000B SERIES - Broadcast Ultra-Harmonizers

In addition to offering natural sounding reverbs, delays, built-in sound effects, etc., the H3000B+ Broadcast Ultra-Harmonizer allows broadcasters the ability to create special effects and character voices quickly, at the push of a button. Like its famous predecessor, the H3000B, the H3000B+ has two full-function pitch change channels that can operate in phase-locked stereo, dual, layered or reverse mode. So, if you can imagine what a four-headed troll sounds like, you can create that sound with the H3000B+. **Features:** factory presets designed specifically for broadcasters; time compression with algorithms for gating, compression and ducking; TimeSqueeze® function for automatically controlling the speed of reel-to-reel and cart machines; Mod Factory "algorithm construction kit" which allows selecting and patching together a set of independent processing modules; balanced XLR analog I/O;

H3000B/LT is a less expensive version without the TimeSqueeze® algorithm (variable-speed tape machine control) included in the B+.

*H3000B+	w variable speed control	Mfr. List $2,995.00
*H3000BLT	w/o variable speed control	Mfr. List $2,495.00

Call For BSW Prices

LEXICON

MPX-100 - Multi-Effects Processor

The Lexicon MPX-100 is a true stereo dual-channel effects processor for powerful, affordable signal processing. **Features:** 24-bit internal processing; 20-bit A/D and D/A converters; 240 presets, 16 user programs; dual stereo effects with pitch, 5.7 second delay, modulation and Lexicon reverb; independent processing on each input and simultaneous analog and digital outputs; software selectable MIDI out/thru port; S/PDIF digital output; unbalanced analog RCA I/O.

MPX100	Mfr. List $299.00	Call For BSW Price

PCM81/PCM91 - Digital Effects Processors

25 years of experience go into the making of the PCM81 Digital Effects Processor and PCM91 Digital Reverberator. Lexicon's unique dual-DSP platform enable the PCM81 to create the most flexible effects combined with superb reverb, while the PCM91 offers reverbs that rival Lexicon's top-end units. **Features:** PCM81 has 300 presets (50 user), PCM91 has 450 (100 user); dynamic spatialization effects for 2-channel or surround applications; PC (RAM) card slots accept optional RAM cards for storing your own settings, or an optional series of effects cards adding new algorithms and capabilities; AES/EBU and S/PDIF digital I/O; balanced/unbalanced 1/4" TRS I/O (PCM91 includes XLR connectors).

*PCM81	Mfr. List $2,995.00	Call For BSW Price
*PCM91	Mfr. List $2,995.00	Call For BSW Price

YAMAHA

PROR3 - Digital Reverberator

The ProR3 excels with superior reverb sounds, but also offers much more. **Features:** combine reverb with echo, chorus, symphonic, flange, pitch, auto-pan effects and more; 99 presets; 99 user memory locations; parametric EQ with dedicated controls; gating; 32-bit processing with 20-bit A/D and D/A convertors; balanced XLR and unbalanced 1/4" I/O.

*PROR3	Mfr. List $1,299.00	Call For BSW Price

REV500/REV100 - Digital Reverberator/Effects Processor

The REV500 is Yamaha's breakthrough in price/performance processing with 32-bit processing and 20-bit A/D-D/A converters. **Features:** 100 user presets and 100 user programs; exceptional reverbs, plus reverb with chorus, flanging, gate,dynamic filter and more; dedicated knobs for main parameter adjustment; built-in snare and rim-shot samples let you test programs with the front panel audition button; balanced XLR and unbalanced 1/4" I/O.

The REV100 is an inexpensive, stereo multi-effects processor. **Features:** reverb, delay and modulation effects, plus combinations; rotary controls for the three most critical parameters; 99 editable factory presets; input and output level controls; peak LEDs; MIDI interface; unbalanced 1/4" I/O.

REV500	Mfr. List $499.00	Call For BSW Price
REV100	Mfr. List $299.00	Call For BSW Price

SPX1000 - Effects Processor

The SPX1000 is a true stereo, digital multi-effect system offering maximum control over all effect parameters. **Features:** 40 presets; effects include reverb, delay, echo, compressor/expander, harmonic exciter, sampling and more; use 1 to 5 effects at once; unbalanced 1/4" analog I/O with simultaneous digital I/O.

SPX1000	Mfr. List $1,829.00	Call For BSW Price

SPX990 - Effects Processor

This stereo-in stereo-out multi-effects processor is a standard in studios all over the world. **Features:** 36 main effects including reverbs, early reflections, delay, echo, modulation, pitch change, pan, freeze and combinations of the above; 3-band parametric EQ, compressor and harmonic driver can be inserted in with the main effects; 100 user memory locations; optional plug-in memory cards (MCD32) store up to 100 additional programs; 20-bit A/D-D/A convertors; balanced XLR I/O and unbalanced 1/4" I/O.

SPX990	Mfr. List $1,179.00	Call For BSW Price

* Non-inventory item subject to return restrictions

FIDELIPAC

CTR10 SERIES - Cart Machines

Features: rugged playback and record machines; automatic fast forward may be activated at the beginning or end of the secondary cue tone or entered manually from any other mode; three cue tones standard; secondary and tertiary tones may be manually recorded at any time to initiate external functions, fast forward and mute audio; high speed cueing; 1 kHz defeat with dedicated front panel indicator (recorder); selectable front panel metering for audio, phase and cue tones (recorder); balanced I/O via 9-pin "D" connectors (plugs supplied). Optional D to XLR adaptors available.

*CTR11	mono play	Mfr. List	$1,835.00
*CTR12	stereo play	Mfr. List	$1,950.00
*CTR13	mono play	Mfr. List	$2,140.00
*CTR14	stereo record/play	Mfr. List	$2,295.00

Call For BSW Prices

A.

B.

C.

D.

E.

F.

A-B. AUDIOLAB TD5/TD1B - Tape Degausser/Bulk Eraser

The TD5 is designed to erase all audio, video and computer media. Works with all formats of cassettes and tape reels up to 16" in diameter and 2" in width. Switchable intermittent or continuous duty operation.

TD1B erases cassettes, cartridges and up to 10 1/2" reels.

(A) TD511560 120 volt	Mfr. List	$1,695.00	Call For BSW Price
TD523060 220 volt	Mfr. List	$1,795.00	Call For BSW Price
(B) TD1B	Mfr. List	$145.00	Call For BSW Price

C-E. FIDELIPAC 400/395/ESD10 - Bulk Eraser/Splice Finder

The 400 provides over 2000 Gauss of erasure power. It will efficiently erase cartridges, cassettes and up to 1" open reel tape. The hand-held 395 has thermal protection and is perfect for erasing cartridges and cassettes.

The ESD10 features dual, full track heads that are incorporated (instead of a coil below the deck plate) resulting in an erase depth of 85 dB or more and better signal-to-noise ratio when you record your carts; extremely reliable splice detection; tape speed is 27.5 ips.

(C) 400	Mfr. List	$200.00	Call For BSW Price
(D) 395	Mfr. List	$100.00	Call For BSW Price
(E) *ESD10	Mfr. List	$1,390.00	Call For BSW Price

F. GENEVA PF211 - Bulk Eraser

The PF21 generates 2300 Gauss field intensity and is perfect for erasing cassettes, carts and 1/2" wide open reel tapes.

(F) PF211	Mfr. List	$89.98	Call For BSW Price

DENON

DN790R - Professional Cassette Recorder

Denon's top-of-the-line rack mount single cassette deck, the DN-790R features the Dolby S noise reduction system. **Features:** 3-head configuration (long-life amorphous heads); aluminum die-cast head base and dual capstan drive for rock-solid tape transport and absolutely faithful audio recordings; Dolby B, C and HX Pro; ±12% pitch control; accurate music search; auto bias tuning; unique 3-wire remote control system that makes it a breeze to wire remote control for 6 machine functions including Play, FF, REW, STOP, PAUSE and REC/REC MUTE; balanced XLR and RCA inputs and outputs.

DN790R	Mfr. List $1,000.00	Call For BSW Price

DN770R - Professional Dual Cassette Recorder

This extremely flexible twin well, dual output deck gives you much of the functionality of two decks in the space of one. **Features:** independent, simultaneous playback from both wells; record while playing back; 3 hour continuous recording; up to 7.5 hours continuous playback); optical sensing auto reverse for nearly seamless, instantaneous reversing; high/low speed dubbing; ±12% speed control on each deck; each deck features an amorphous record/play head for longer life and better high frequency response; auto standby mode pauses the cassette just past its leader avoiding dropouts during relay recordings; accurate music search; ultra-stable tape transport; real-time counter; wired remote; rack mount brackets; unbalanced RCA I/O.

DN770R	Mfr. List $700.00	Call For BSW Price

DN720R - Professional Cassette Recorder

The DN720R is a lower cost alternative to Denon's balanced output cassette decks. Long head life, speed control and bias fine adjustment are a few of the tools included for demanding professionals. **Features:** 2 long-life amorphous tape heads; ±12% speed control; Dolby B, C, with HX Pro; ultra stable tape transport; real-time counter; wired remote control; headphone output; 19" rack mount brackets; unbalanced RCA I/O.

DN720R	Mfr. List $500.00	Call For BSW Price

* Non-inventory item subject to return restrictions

MARANTZ

PMD520 - Professional Dual Cassette Recorder and Duplicator

The Marantz PMD520 is a top-of-the-line, 3-head, independent dual well cassette recorder. Designed with the real-time duplicator in mind, the PMD520 offers cascade play/record capability allowing multiple units to be linked together for long playback and recording applications. **Features:** fine speed adjust; auto bias; loop through outputs; high speed (2X) recording; overlap series recording; one-touch record pause; timer activated record/play; record mute; record balance control; 25 pin D-sub remote control port; Marantz RC5 remote control port; Dolby B, C and HX Pro noise reduction; unbalanced RCA I/O. **Options:** wired remote control (WRC200); balanced XLR kit.

PMD520 single cassette deck **Mfr. List $999.00** **Call For BSW Prices**

PMD511 - Professional Dual Cassette Recorder and Mixer

With 1/4" stereo mic inputs, the PMD511 provides a convenient way to mix down the output of one cassette well plus mic inputs (or a line level source plus mic inputs) to a cassette tape in the other well without the hassle and expense of an outboard mixer. This dual recorder also provides other key advantages including automatic record level control and a GPI (General Purpose Interface) port for custom remote control applications. **Features:** 2X speed recording for high speed duplication; independent dual wells each with its own stereo I/O; pitch control; stereo bar graph meter; linear time counter; Dolby B, C, HX Pro; unbalanced RCA I/O. **Options:** balanced XLR input/output kit (including XLR mic inputs with phantom power).

PMD511 **Mfr. List $849.00** **Call For BSW Prices**

PMD510/PMD500 - Professional Dual Cassette Recorders

PMD510 is a rack-mountable, dual well, 2-head cassette recorder built with the professional in mind. **Features:** each of the two wells is a completely independent cassette deck with discrete stereo inputs and outputs; ± 15% pitch control; stereo bar graph meters; linear time counters; Dolby B, C, and HX Pro; 2 tape heads; headphone output is switchable between deck A, B or A&B; 2-speed dubbing; serial recording; unbalanced RCA I/O. **Features:** wired remote control (WRC200); balanced XLR kit (XLR510PMD).

The PMD500 offers the same basic features as the 510 but both cassette wells share transport controls, inputs/outputs and metering.

PMD510	dual deck, separate I/O	**Mfr. List $699.00**
PMD500	dual deck, combined I/O	**Mfr. List $499.00**
WRC200	wired remote	**Mfr. List $169.00**
XLR510PMD	balanced I/O kit	**Mfr. List $229.00**

Call For BSW Prices

MARANTZ

PMD501/502 - Professional Cassette Recorders

The PMD501 and PMD502 cassette decks provide Marantz quality, durability and functionality at very competitive prices. **Features (both decks):** quick auto reverse; large transport buttons; two tape heads; front panel headphone jack; Dolby B noise reduction; unbalanced RCA I/O; optional wired remote control (WRC200). **PMD502 Additional Features:** front panel microphone inputs, output level control; Dolby B, C and HX Pro, ±15% pitch; defeatable automatic level control; optional balanced XLR kit (XLR502PMD).

PMD501	single cassette deck	**Mfr. List $329.00**
PMD502	single cass. deck, extra features	**Mfr. List $429.00**
WRC200	wired remote	**Mfr. List $169.00**
XLR502PMD	balanced I/O kit	**Mfr. List $100.00**

Call For BSW Prices

SONY

TCW-R565RM - Dual Cassette Deck

Affordable auto reverse dual cassette deck with Multi-AMS (helps locate songs as easily as with a CD player). **Features:** RMS function for convenient programmed play and editing of up to 28 songs; auto calibration; pitch control (± 30%); Dolby B & C noise reduction; Dolby HX Pro frequency extension; unbalanced RCA inputs and outputs; rack mount adaptor.

TCWR565RM **Mfr. List $320.00** **Call For BSW Price**

TASCAM

122MKIII - Professional Cassette Recorder

The 122MKIII is a 3-head deck with uncompromised electronics and a precision FG-servo direct-drive capstan motor for stable performance. **Features:** audible cue & review; ±12% pitch control; real-time tape counter; two locate points and RTZ function; flexible monitor selector; Dolby HX Pro, B & C noise reduction; CA (cobalt a morphous) record and playback heads; gear/clutch-coupled input level controls; built-in 400 Hz and 10 kHz oscillator adjustment signals; record/mute auto spacing; 25 pin D sub connector parallel port that allows connection for multi-deck operation or remote transport control; balanced XLR type I/O.

122MKIII **Mfr. List $1,460.00** **Call For BSW Price**

* Non-inventory item subject to return restrictions

TASCAM

112MKII - Professional Cassette Recorder

A classic "no-frills" workhorse deck similar to the 122MKIII, but in a 2-head configuration. **Features:** servo direct drive capstan motor for high stability recording and playback; pitch control; Dolby B & C noise reduction; Dolby HX Pro frequency extension; 2 memory locations with RTZ function; unbalanced RCA inputs and outputs; optional balanced XLR I/O kit.

112MKII	cassette deck	Mfr. List	$920.00	Call For BSW Price
112RMKII	auto reverse deck	Mfr. List	$1,245.00	Call For BSW Price
LA112	balanced I/O kit	Mfr. List	$110.00	Call For BSW Price

102MKII - Cassette Recorder

A low cost, rack mount deck with center mounted transport. **Features:** Dolby B and C noise reduction; Dolby HX Pro frequency extension; electronic digital tape counter; auto tape selection; BIAS fine adjustment; front panel headphone jack; 2 tape heads; unbalanced RCA I/O.

102MKII	Mfr. List $399.00	Call For BSW Price

302/202MKIII - Professional Dual Cassette Recorders

The model 302 is actually two independent cassette decks housed in a single 3RU chassis. **Features:** each of the two decks is capable of recording individually or simultaneously; auto reverse on both decks; normal/high speed dubbing; continuous recording or playback; both decks have independent sets of interface connectors and controls; 2 tape heads per deck; independent pitch control, Dolby B and C noise reduction and Dolby HX Pro frequency extension (independent controls per deck); dual LED metering; control I/O and cascade outputs allow linking up to 10 additional machines; unbalanced RCA I/O (per each deck); optional remote control (RC-302).

The 202MKIII dual cassette deck is ideally suited for both dubbing and continuous looping playback applications. It is similar to the 302 but without the independent inputs and outputs/transport controls per deck. **Features:** dual synchronous record mode (can make two identical copies simultaneously from an external source); normal/high-speed dubbing; continuous auto reverse playback/recording between decks; blank scan automatically fast forwards to next program selection; record/mute autospace function; Dolby B, C and Dolby HX Pro; front panel R & L mic inputs, headphone jack; unbalanced RCA I/O.

302	Mfr. List $760.00	Call For BSW Price
202MKIII	Mfr. List $575.00	Call For BSW Price

Consumer cassette deck models change frequently. *Please note that the products listed below were current at the time of printing. Model numbers, features and pricing may vary.*

TEAC

W-860R/W-790R - Dual Cassette Decks

These dual cassette decks offer high performance at very modest prices. The W-860R offers record and playback on both decks. The W-790R offers one record/play deck and one play-only deck. **Features:** twin IC logic control mechanisms; dual auto-reverse tape transports; variable pitch control (±10%); bi-directional record and playback; multi-function fluorescent display; high-speed dubbing; synchro reverse dubbing; headphone output; Dolby B/C and HX Pro; RCA mic and line inputs; optional rack mount kit.

W860R	dual auto-reverse cassette deck (dual record)	Mfr. List	$279.00
W790R	dual auto-reverse cassette deck (single record)	Mfr. List	$219.00
RM860	rack mount kit	Mfr. List	$29.00

Call For BSW Prices

W600R - Dual Cassette Deck

This dual auto-reverse cassette recorder is a nice addition to any busy recording or broadcast studio. It offers normal and high-speed dubbing, double-deck continuous playback; one-touch recording, electronic tape counters, LED peak program level meters and Dolby B noise reduction.

W600R	Mfr. List $149.00	Call For BSW Prices

TECHNICS

RSTR373/575 - Dual Cassette Decks

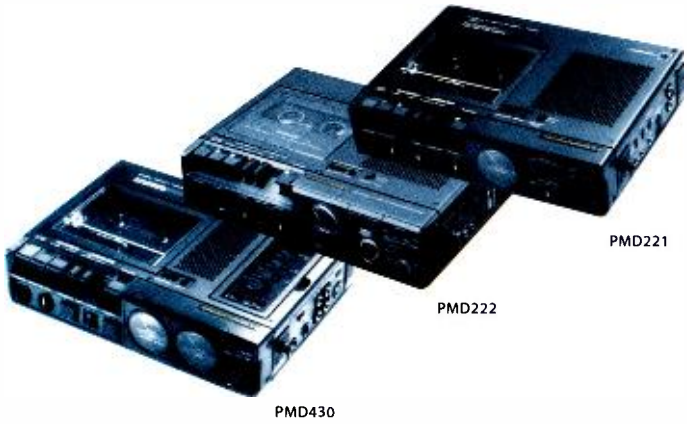
Both the RSTR373 and RSTR575 offer outstanding quality and convenience in a dual cassette format. **Features:** super quick FF and REW; 24 hour continuous playback; Dolby B, C, HX Pro and high/low speed dubbing. RSTR575 adds record/play capability from both decks, up to 3 hour continuous recording and auto tape calibration. Both units can be made rack mountable with the RK4 rack kit.

RSTR373	dual deck (2 heads, 1 head)	Mfr. List	$219.95
RSTR575	dual deck (2 heads each deck)	Mfr. List	$269.95
RK4	rack kit	Mfr. List	$55.00

Call For BSW Prices

* Non-inventory item subject to return restrictions

MARANTZ



PMD SERIES - Portable Cassette Recorders

Marantz makes popular portable cassette recorders used in broadcast, with five models to choose from to match your application.

PMD200 Series Features: 7.5 hours recording on 3 "D" size batteries (AC power supply included); modular telephone jack for direct telephone recording and playback; switchable limiter; built-in electret condenser mic and monitor speaker; variable-speed; 3-position mic attenuation; line input and output jacks; cue and review; volume and tone control; automatic or manual record level. The PMD201 is a mono 2-head machine. Both the PMD221 and PMD222 feature 3 heads for confidence monitoring. PMD222 features an XLR mic input.

The PMD101 is a slightly scaled-down version of PMD201, yet it offers all of the necessary features of a great professional field recorder. **Features:** built-in speaker; electret condenser mic; normal or 1/2 speed operation; ±20% pitch control on playback; external mic input; line in/out; sturdy metal chassis. Does not include a VU meter, the RJ11 output jack, or adjustable mic level (utilizes built-in AGC). AC adaptor must be ordered separately with the PMD101.

The PMD430 is a quality stereo recorder similar to the 200 series models.

PMD101	2 head mono	Mfr. List $279.00
PMD201	2 head mono	Mfr. List $379.00
PMD221	3 head mono	Mfr. List $449.00
PMD222	3 head XLR mic input	Mfr. List $479.00
PMD430	3 head stereo (includes case)	Mfr. List $649.00
CLC221	vinyl carrying case	Mfr. List $40.00
DA36	AC adapter for PMD101	Mfr. List $13.00
KEB20	nylon carrying bag w/ extra storage	Mfr. List $24.95
IC6	mic adapter cable for PMD201/221	Mfr. List $25.00

Call For BSW Prices

PANASONIC

RQL50 - Mini Portable Cassette Recorder

This handy portable recorder is great for news gathering or taking audio notes. **Features:** built-in condenser mic and external mic input for high quality recordings; voice activation or one-touch recording; Super Ni-Cad rechargeable battery and battery charger included for up to 24-hours recording; auto-stop and pause; built-in speaker; cue and review control; 3-digit tape counter; mini-jack mic input.

RQL50 **Mfr. List $64.95** **Call For BSW Price**

SONY

TCD5 PROII - Portable Cassette Recorder

The TCD5 PROII is ideally suited to a wide range of professional audio applications. Twin VU meters, LED peak level indicator, 2 tape heads, built-in monitor speaker, and headphone jack eliminate guesswork so you have great recordings. Peak limiter and mic attenuator eliminate clipping and suppress excess signal levels by 20 dB to prevent distortion. Inputs are mic level XLR connectors. Outputs are unbalanced RCA connectors. Powered by 2 "D" size batteries, the TCD5 PROII allows 4.5 hours of recording time. Optional AC power supply available.

TCD5PROII **Mfr. List $1,425.00** **Call For BSW Price**

TASCAM

T-3000 - Cassette Duplicator

The Tascam T-3000 cassette duplicator is a workhorse system that offers extremely fast duplication turnover while maintaining the highest degree of sonic performance. The 4x-speed stereo duplication system utilizes a 4-track/4-channel track format. Each duplicator offers three cassette mechanisms: 1 and 2 act as slave decks while mechanism 3 can be used as a master or as a slave deck. **Features:** ferrite record/play heads; auto switchable for normal Type 1 and CrO2 Type II cassettes; duplication speed 7. 5 minutes for C-60 cassette; bias frequency of 200 kHz and a tape speed accuracy of ± 1%.

***T3000** **Mfr. List $1,625.00** **Call For BSW Price**

CASSETTE TAPES

CASSETTE MEDIA - See Page 53

BSW carries bulk cassette tapes in 100-unit cases. Please see our list of all recordable media on page 53.

* Non-inventory item subject to return restrictions

DENON

DNT620 - CD Player/Cassette Deck

The DN-T620 combines a CD player and cassette deck into a single 3RU body. **Features:** CD and cassette decks operate independently or dub from CD to cassette, even mix the outputs of both; CD player features a 10-key pad for direct track selection and powerful playback functions; A-B Repeat mode; single/continuous playback mode; variable pitch up to ±12% for both CD and cassette players; auto-reverse cassette deck with Dolby B noise reduction; input source is switchable between internal CD and external line input; 2 tape heads; balanced XLR and unbalanced RCA inputs and outputs.

DNT620	Mfr. List $750.00	Call For BSW Price

MARANTZ

PMD350 - CD Player/Cassette Deck

Two independent machines housed in a single chassis for convenience. **Features:** separate and mixed tape and CD outputs; separate pitch controls (±12%); front panel headphone jack with source selector; independent fader starts; manual and automatic dubbing; 2 tape heads; large transport controls with LED inset; auto reverse tape deck with Dolby B, C and HX Pro; cue-to-music CD player featuring program, repeat and loop functions; 1/4" L&R mic inputs for tape; unbalanced RCA I/O for tape and CD, digital output for CD. **Options:** wired remote (WRC200) and balanced XLR kit (XLR350PMD).

PMD350	Mfr. List $749.00	Call For BSW Price
WRC200	Mfr. List $169.00	Call For BSW Price
XLR350PMD	Mfr. List $179.00	Call For BSW Price

TASCAM/TEAC

CD-A700/AD-500 - CD Player/Cassette Deck

Tascam's CD-A700 lets you to treat CD and cassette as separate machines with independent outputs, or take advantage of integration with enhanced dubbing and extended play capabilities. **Features:** CD player/reversible cassette deck in a 3-space rack design; separate pitch controls; CD to cassette dubbing capability; continuous play function; CD Sync function; wireless remote control; balanced XLR and unbalanced RCA outputs dedicated to the CD player; common outputs on both balanced XLR and unbalanced RCA.

TEAC AD-500 is a more affordable combination deck with unbalanced RCA I/O. Rack mount hardware not included.

CDA700	Mfr. List $629.00	Call For BSW Price
AD500	Mfr. List $389.00	Call For BSW Price

DENON

DN-2500F - Dual CD Player

For club work, this dual player offers the convenience of dual drives with the feel of spinning discs. **Features:** independent control over pitch and speed of playback (change beat speed and maintain original pitch); definable looping; memory allows custom setting of pitch, cue point, looping for up to 200 tracks; sampling with reverse mode; brake function simulates the sound of an analog turntable; index search function; unbalanced outputs.

*DN2500F	Mfr. List $1,599.00	Call For BSW Price

DN-C630 - Compact Disc Player

Features: instant start (.01 sec.); auto cue; cue to audio with adjustable threshold; variable speed playback control; time remaining/elapsed time display; re-cue or next functions and several continuous play options; power-on playback mode; program play with 25 tracks; rotary track select knob; index search; end monitor with selectable duration; adjustable EOM display; fade-in function with adjustable duration; balanced XLR and unbalanced RCA analog and digital outputs.

DNC630	Mfr. List $600.00	Call For BSW Price

DN951FA/DN961FA - Compact Disc Players

The DN951FA is a robust studio CD player designed for use with Denon's protective CD cart shells. **Features:** instant cueing aided by a select dial; audition function; single or continuous play; digital display showing remaining or elapsed time in seconds and frames; end monitor feature allowing the operator to preview the ending of a cut; 4-times oversampling; complete remote accessibility; Denon's Auto Track Select feature that reads optional barcode labels for 3 levels of control over play (Track Exclusive, Track Priority and Track Lockout); balanced XLR outs with variable output level.

The DN961FA is basically a drawer-loading version of the DN951FA. Once a CD is in the play mode the DN961FA's eject button is disabled, so no accidents occur while the unit is on the air. Note: the DN961FA does not support Denon's Automatic Track Select feature.

DN951FA		Mfr. List $1,500.00	Call For BSW Prices
ACDSB	CD cart shells	Mfr. List $4.75 ea.	Call For BSW Prices
DN961FA		Mfr. List $1,500.00	Call For BSW Prices

* Non-inventory item subject to return restrictions.

DENON

DN-C680 - Compact Disc Player

The Denon DN-C680 is engineered to provide the ultimate in flexibility and high performance. **Features:** program play up to 25 tracks; large illuminated display; track search select; jog/shuttle wheel to perform searches to 1 frame precision; continuous/single/A-B play modes; finish modes (stop, next, recue); auto cue; auto edit; auto space; pitch control; optional SMPTE and sample converter kits; balanced XLR and unbalanced RCA analog outs; balanced AES/EBU digital out.

DNC680	Mfr. List $900.00	Call For BSW Price

MARANTZ

PMD330/331/340 - Compact Disc Players

Built to Marantz' exacting standards for quality, reliability and ease-of-use, these three commercial-grade CD players deliver exceptional performance. **Features (all models):** a multi-function programmable cue button that enables precise control of playback; a 10-digit keypad for ensuring quick access of up to 99 tracks; A-B point audio loop playback; audible frame-by-frame search control; index searching; plays CD-RW discs recorded on CD-RW compatible recorders; pitch control; RC5 remote I/O; unbalanced RCA analog I/O; unbalanced S/PDIF digital coaxial output.

The PMD331 and PMD340 offer all of the features of the PMD330, plus the following interfaces: balanced XLR analog I/O; optical digital output; XLR (S/PDIF format) digital output; and a GPI port with fader start. Also, the PMD331 and PMD340 include: jog-wheel digital encoder that can control either pitch or enable faster searches for cue points; pitch bend; an instant start feature that provides no audible start delays when releasing a track from pause and a 10-second audio buffer for shock resistance.

Exclusive to the PMD340 is a high-durability CD mechanism specially designed to hold up to heavy daily use and intensive track and disc changes.

PMD330	Mfr. List $499.00	Call For BSW Price
PMD331	Mfr. List $629.00	Call For BSW Price
PMD340	Mfr. List $789.00	Call For BSW Price

PMD320/PMD321 - Compact Disc Players

The Marantz PMD320 and PMD321 CD players are designed to provide a cost-effective, commercial grade CD source for audio professionals. **Features (both units):** ±10% pitch control; fader start; digital output; 10-key direct track access and front panel headphone jacks; +4 dBu balanced XLR outs and cue-to-music mode (PMD321 only). **Options:** remote control.

PMD320	Mfr. List $299.00	Call For BSW Price
PMD321	Mfr. List $399.00	Call For BSW Price
WRC200	Mfr. List $169.00	Call For BSW Price

SONY

CDP-D500 - Compact Disc Player

This high quality professional CD player will fit right in to high tech audio and video studios alike. **Features:** jog shuttle dial for CD frame accurate cueing; direct track access on front panel; auto cue to music; variable speed playback (±12.5%); RS232 interface for computer control and CD text information; auto fade in/out; plays both 3" and 5" discs; DIN 8-pin remote control port for interface to consoles etc.; balanced XLR and unbalanced RCA analog outputs; AES/EBU and consumer digital outputs.

CDPD500	Mfr. List $1,675.00	Call For BSW Price

CDP-XE500 - Compact Disc Player

Features: good sound quality; jog dial track search; three play modes and two repeat modes; peak search; 3-mode music scan; digital volume control; 24-track programming; headphone jack; remote control; unbalanced RCA analog output; optical digital output; optional rack mount kit.

CDPXE500	Mfr. List $200.00	Call For BSW Price
RK7 (rack mount kit)	Mfr. List $42.95	Call For BSW Price

CDP-CX300 - Compact Disc Library Changer

The CDP-CX300 offers a compact and cost-effective means of storing and accessing large CD libraries, which can be useful in A/V, post-production and broadcast applications. **Features:** internal storage for 300 CDs; memory and organization system for 600 song titles; PC keyboard input for easy text entry; timer switch; 5 play modes; unbalanced RCA output; optical digital output.

CDPCX300	Mfr. List $360.00	Call For BSW Price

TASCAM

CD-305 - Multiple Disc Players

This professional 5-disc CD player is perfect for a number of commercial and studio applications. **Features:** multiple disc carousel player; switchable 120/240 volts; wireless remote control; balanced XLR and unbalanced RCA outputs; digital (S/PDIF) output.

CD305	Mfr. List $650.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

WORK-AHOLICS.

102MKII CASSETTE
Precision Stereo Deck
Trouble-Free Operation

112RMKII CASSETTE
Auto-Reverse Cassette
Continuous Loop Playback

112MKII CASSETTE
Super High Stability
Production Workhorse

130 CASSETTE
Professional 3-Head Deck
Extraordinary Performance

202MKIII CASSETTE
Continuous Looping
Computerized Program Search

302 DUAL CASSETTE
Dual Auto Reverse Cassette
The Long Format Pro

CD-305 CD PLAYER
5-CD Carousel Player
Legendary TASCAM Durability

CD-450 PROFESSIONAL CD
Affordable, Programmable
Feature-Rich Commercial Player

CD-A500 CD/CASSETTE DECK
Integrated CD Player and
Auto-Reverse Cassette Deck

MD-301 MINIDISC
Digital Random Access Record/Play
Professional Editing/Programming

CD-RW5000 REWRITABLE CD RECORDER

MD-801RMKII MINIDISC
Built-in Record/Edit/Play
All-Digital, Random Access

DA-20MKII DAT
Digital Mastering DAT Deck
High Performance Durability

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TASCAM

CD-450 - Compact Disc Player

The Tascam CD-450 is an excellent professional CD player for studio and production use. **Features:** auto cue; auto ready; call function; incremental play; numeric keys on front panel; fader start/event start; ±12% pitch control; unbalanced RCA output; S/PDIF digital output; optional wired remote control; optional balanced XLR analog and AES/EBU digital outputs.

CD450 Mfr. List $760.00 Call For BSW Price

TEAC

CD-P1120/CD-P1440 - Compact Disc Players

More than just inexpensive players, CD-P1120 and CD-P1440 offer sought-after features with an optional rack mount kit that make them perfect for studio applications. **Features:** 16-bit D/A converter; high-resolution, three-beam laser pickup; intro check and shuffle play; 4-way repeat modes; full-function remote control; optional rack mount kit.

CD-P1440 adds Auto Cue to Music with LED indicator; ten direct track access keys and variable pitch control ± 6%.

CDP1120	Mfr. List $179.99	Call For BSW Price
CDP1440	Mfr. List $219.00	Call For BSW Price
CDP1440RACK	Mfr. List $29.00	Call For BSW Price

CD ACCESSORIES

A. B. C. D. E. F.

A. BSW CDBOX - CD Jewel Case
Standard size replacement for broken cases. Mfr. List $1.00

B. DISCWASHER FG1112 - CD Cleaner
Rotary-action cleaner with fluid. Mfr. List $19.95

C. DISCWASHER FG1107 - Laser Lens Cleaner
Includes fluid and replacement pad. Mfr. List $19.95

D. DISCWASHER FG1163 - CD Repair Kit
Fluid, polish and applicators to remove scratches. Mfr. List $10.95

E. GENEVA PF416 - CD Cleaning Spray
Spray for use with soft cleaning cloth. 1 oz. bottle. Mfr. List $7.49

F. GENEVA PF425 - CD Cleaning Wipes
Easy-to-use tissues in fluid. 70 per container. Mfr. List $8.99

Call For BSW Prices

FOSTEX

CR-300 - Compact Disc Recorder

Digital and analog recording to both professional and consumer CD-R and CD-RW media is easy and affordable with the CR300. Designed with the professional applications in mind, it offers analog I/O on balanced XLR (+4dBu & -10dBV selectable) and unbalanced RCA phone, plus a full complement of digital I/Os including AES/EBU input and S/PDIF I/O on both coaxial and optical, all in a chassis that helps screen against electronic interference. **Features:** 4 CD-RW erase modes (last track, all-track, disc & TOC only); digital fade-in/out with selectable 6, 9, 12 & 18-second delay; sample rate converter; digital synchro recording mode and data backup support for Fostex digital multitracks.

CR300 Mfr. List $1,399.00 Call For BSW Price

HHB

CDR850PLUS - Compact Disc Recorder

The CDR850 PLUS is a popular choice for professionals working in the digital domain. It's equipped with a Word Clock input, essential for playback when locking to a master clock source in an "all digital" system. In addition, it features a balanced XLR digital output which also carries track ID information. **Features:** easy-to-read LED display; 4 one-touch recording modes (2 manual, 2 auto); fade in/out; auto pause; sample rate converter; copies all CD, DAT, MD, DVD and DCC track starts; complete control over SCMS; level margin indicator, with 1 dB increments; 4 levels of erase for CD-RW; auto finalize function; infrared remote control; balanced XLR analog I/O (+4 dBu/-8 dBu switchable balanced analog outputs); AES/EBU and S/PDIF digital I/O.

CDR850PLUS Mfr. List $1,645.00 Call For BSW Price

MARANTZ

CDR640 - Compact Disc Recorder

The CDR640 takes advantage of advanced DSP technologies and a 1 MB buffer to offer frame accurate recording that allows for the management of sub-code date including the ability to delay audio information to compensate for late track IDs. The CDR640 also includes a precision differential bitstream digital-to-analog converter and high-precision Op-Amps at the output stage to provide the ultimate in audio quality. **Features:** 64X oversampling A/D converter; Copy-Protect function to prevent unauthorized duplication of masters; GPI control port; balanced XLR analog and digital I/O; unbalanced RCA and coaxial S/PDIF I/O. **Options:** wired remote control (shown above).

CDR640	Mfr. List $1,800.00	Call For BSW Price
RC640	Mfr. List $200.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

TASCAM

CD-RW5000 - Compact Disc Recorder

This versatile CD recorder makes a tremendous addition to any studio by reading and/or writing to a wide variety of media, including CD, CD-R, CD-RW, CD-R-DA and CD-RW-DA. In addition to its support for all forms of CD media, the rack-mountable CD-RW5000 is a professional unit with balanced XLR inputs and outputs as well as digital I/Os. **Features:** Sync Start function (all or 1 track); sample rate converter; erase function (disc or track); repeat play; auto or manual track increment; flexible control over the recording of Start ID messages; output level trim control; wired remote control; parallel control I/O capability; balanced XLR and unbalanced RCA analog I/Os; AES/EBU digital input; S/PDIF coaxial and optical digital I/O.

CDRW5000 **Mfr. List $999.00** **Call For BSW Price**

TASCAM

CD-RW700 - Compact Disc Recorder

The CD-RW700 is TASCAM's budget minded CD recorder, but it's still feature-rich. Like most products in this price range, the CD-RW700 offers unbalanced RCA I/O, S/PDIF digital I/O in coax and optical formats, and utilizes consumer "for music only" CD-R and CD-RW media. However, this product stands above the crowd with a RAM buffer, 24 A/D-D/A converters for premium sound quality, digital gain adjustment and digital processing of fade in and fade outs from 3 to 30 seconds. **Features:** sample rate converter; adjustable gain on digital I/O; digital fade in/out from 1 to 24 seconds; Sync start (all or one track); RAM buffer; auto or manual track increment; wireless remote control.

CDRW700 **Mfr. List $699.00** **Call For BSW Price**

CD-D4000 - Compact Disc Duplicator

This cost-effective compact disc duplicator from Tascam writes in 1x, 2x and 4x speeds from the master deck to the slave deck and meets the needs of any facility requiring a duplication system. **Features:** Mode Select switch for writing at three different speeds; audio playback; easy operation via two switches; comparison of two discs; checks discs for writing capability and duplication.

CDD4000 **Mfr. List $1,299.00** **Call For BSW Price**

TASCAM

CD-R624 - Compact Disc Recorder

The CD-R624 is Tascam's professional CD mastering solution for the Mac or PC to create 100% Red Book compliant audio CDs and even create MP3 audio files for the Internet. Everything you need to get started is in the box, including a 6X write, 24X read CD-R drive, software, blank media, cables and a CD labeling kit. The Windows package includes: SEK'D Red Roaster 5.0 recording software (requires compatible sound card); Adaptec EZ CD Creator; and Xing Audio-Catalyst 2.0. Macintosh package includes: Adaptec Jam 2.5 and Toast 3.5.6 software for editing and burning audio to CD; BIAS SFX Machine Lite; Peak LE and Xing Audio Catalyst 2.0.

CDR624M (Macintosh) **Mfr. List $749.00**
CDR624W (Windows) **Mfr. List $749.00**
Call For BSW Prices

ALESIS

ML-9600 - CD Mastering Solution

The Alesis MasterLink ML-9600 offers a comprehensive mastering solution by combining hard disk recording, digital signal processing, mastering and CD creation in a single package. The true power of the MasterLink lies in the debut of CD24™, Alesis' technology for producing CDs that record and play with up to 24-bit, 96 kHz resolution using inexpensive and readily available CD-R media. Beyond the CD recording capabilities, this machine offers a built-in 3.2 GB hard disk recorder and all the tools you need for digital signal processing, editing and mastering. **Features:** easy-to-operate front panel controls with fluorescent display; choose any combination of four sample rates (44.1, 48, 88.2 and 96 kHz) and three word lengths (16-, 20- and 24-bit); create and store 16 different playlists each with up to 99 songs; DPS functions including equalization, compression, normalization and peak limiting; balanced XLR analog I/O, unbalanced RCA I/O and digital AES/EBU and S/PDIF I/O.

ML9600 **Mfr. List $1,699.00** **Call For BSW Price**

RECORDABLE CDs

CDR/CDRW MEDIA - See Page 53

BSW carries professional-grade CDRs and CDRWs. Please see our list of all recordable media on page 53.

* Non-inventory item subject to return restrictions.

AEQ

BC300 SERIES - Audio Consoles

The BC300 is an affordable and compact console suitable for a variety of applications from on-air to remotes. **Features:** built-in telephone hybrid; built-in 10 + 10 watt amplifier for studio monitors; master and AUX outputs; built-in stereo cue speakers; routable talkback. BC-306 includes 2 mono mic/line inputs and 4 stereo line inputs. BC-312 includes 4 mono and 8 stereo. Dimensions: 23.7"W x 14"D x 6.9"H.

*BC306	Mfr. List $2,075.00	Call For BSW Price
*BC312	Mfr. List $2,975.00	Call For BSW Price

ARRAKIS

REVOLUTION - Digital Audio Console

The new Colorado Digital, Revolution is a breakthrough in features, performance and price in digital audio consoles. Only 3-rack units high, the Revolution is a black box digital audio console controlled by a traditional-looking console, or a PC running Colorado Digital's CoolMix console software. The console can be controlled via mouse or touchscreen or with the addition of a slide fader control surface. Available with 12 or 18 mixing channels with 2 inputs per channel (A input analog and B input digital), plus analog and digital outputs, the Revolution is ready to handle all your analog and digital sources. **Features:** stereo Program, Audition and Utility outputs (digital & analog); 2 mono mix-minus outputs (analog); stereo monitor, headphone and cue systems; channel On/Off control with tally; source start/stop logic; routing switcher control.

PC and monitor supplied by customer.

*REV12P	12-channel digital engine, PC controlled (PC not included	Mfr. List $3,995.00
*REV12C	12-chn console (12-chn engine + TMF-18X-12 mainframe)	Mfr List $7,995.00
*REV1628	18-chn console (18-chn engine + TMF-18X-18 mainframe)	Mfr List $12,995.00

Colorado Digital is a business unit of Arrakis Systems, Inc.

22,000 SERIES - Audio Consoles

Based on the modular 12,000 series, the 22,000's low profile design is perfect for use with video and audio monitors. **Features:** "Universal Bus" design allows any type of module to be placed in any position in the mainframe; 2 inputs per channel; Program, Audition and Utility Stereo outputs; dual telephone mix-minus buses for hybrids; Penny & Giles slide faders; relay isolation remote start logic; remote channel On/Off with tally, cough and talkback; supports control room and two studios with talkback.

Stock model listed below is an 18-channel mainframe loaded with 12 channels. Other custom configurations available.

22K1812	Mfr. List $8,375.00	Call For BSW Price

ARRAKIS

12,000 SERIES - Audio Consoles

These modular consoles feature a "Universal Bus" design that allows any type of module to be placed in any position in the mainframe. Three mainframe sizes (8, 18, 28) are available in through-table or tabletop configurations. **Features:** ultra-high performance; mainframe can be fitted with standard mic or line modules; 2 inputs per channel; built-in timer; extensive metering facilities; monitoring for control room and 2 studios; 3 stereo outputs (Program, Audition and Utility); mono mix output; two telephone mix-minus buses; Penny and Giles faders; ITT Schadow switches rated at 5 million operations; gold board connectors; solid oak trim. **Options:** choose from a number of modules including inputs, outputs, machine control, source/monitor selectors, DA and more. Dimensions: (12,000-8) 17"W; (12,000-18) 32"W; (12,000-28) 47"W x 22"D on thru-table and 24"D on tabletop.

Stock models listed below are 8-channel mainframe loaded with 6 channels; 18-channel mainframe loaded with 12 or 18 channels. Other configurations are available via special order.

12K86	Mfr. List $4,350.00	Call For BSW Price
12K1812	Mfr. List $7,075.00	Call For BSW Price
12K1818	Mfr. List $8,755.00	Call For BSW Price

1200 SERIES - Audio Consoles

The 1200 series consoles are the perfect complement to today's digital storage/automation/production systems. The 1200-5 is a 5-channel, 10-input, stereo output console (1 input per channel plus a 5-source multi-line selector); the 1200-10 is a 10-channel board with 20 inputs and dual stereo out and the 1200-15 has 15 channels with 25 inputs (the 1200-10 and 1200-15 each contain two 5-line selector channels). **Features:** stereo and mono mix outs; mix-minus bus; stereo monitor outs with dim & talkback; remote channel on/off with tally, cough and talkback; 2 monitor outputs; mono cue w/Autocue; >100 dB dynamic range; .02% THD. Dimensions: 15"W, 23"W or 30.25"W x 12"D x 7"H.

1200-5S	Mfr. List $2,295.00	Call For BSW Price
1200-10S	Mfr. List $3,495.00	Call For BSW Price
1200-15S	Mfr. List $4,495.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

DIGITAL TECHNOLOGY FROM THE COMPANY YOU CAN COUNT ON

AUDIOARTS
RD-12
DIGITAL RADIO CONSOLE
ENGINEERING

INTRODUCING THE LATEST RADIO CONSOLE FROM AUDIOARTS: three stereo outs, two caller superphone module, full-feature control room and studio modules, three VUs, clock, timer, optional intercom, preselect, tape remote panels—and it's **DIGITAL.** That's right, both digital and analog inputs and outputs! INTERESTED? GET IN TOUCH—with AUDIOARTS!

AUDIOARTS® ENGINEERING

AUDIOARTS

R-60 - Audio Console

Available in 8, 12 and 18 channel versions, the R-60 console offers totally modular design with features and durability suitable for on-air use.

Features: 2 inputs per channel; Program, Audition and Mono buses; studio control module with TalkBack; remote module control of On/Off, Cough and Talkback; ON/OFF machine control on each channel; illuminated switches throughout; automatic control room and studio muting; Penny & Giles faders; LS-60 six-source line selector module. (R60-8 & R60-12) 27.75"W; (R60-18) 36.75"W x 21.5"D x 7.25H.

Options: IN60 input modules; SP-60 telephone module; TR-60-FF full function machine control module; TR-60-SS triple Start/Stop machine control module; custom engraved "off" buttons; colored fader knobs.

R60128	Mfr. List	$5,435.00	Call For BSW Price
R601212	Mfr. List	$7,750.00	Call For BSW Price
R601812	Mfr. List	$7,866.00	Call For BSW Price
R601818	Mfr. List	$10,643.00	Call For BSW Price
IN60 input module	Mfr. List	$585.00	Call For BSW Price
SP60 telephone module	Mfr. List	$690.00	Call For BSW Price

R-17 - Audio Console

The R-17 offers high-quality mixing with all the necessary features of a full-sized on-air board in a compact package. Standard configurations come with 2 mic input modules and either 4 or 8 stereo line input modules, master output and control room modules as well as a blank slot that can be loaded with an optional tape remote module. **Features:** modular construction; program, audition and cue buses; illuminated machine start/stop switches; built-in cue speaker; studio talkback; gold audio switches; gold edgecard connectors; conductive plastic faders and monitor pots; external rack mount power supply; top-rate documentation. Dimensions: 21"W x 17"D x 6.8"H. **Options:** LS-17 stereo line selector; FF-1 full-function tape remote; SS-3 Start/Stop tape remote; custom engraved OFF buttons; color fader knobs.

R17-10	ten channel	Mfr. List	$4,255.00	Call For BSW Price
R17-6	six channel	Mfr. List	$2,944.00	Call For BSW Price

AUDIOARTS

R-5 - Audio Console

The R-5 is a quality Audioarts console in a cost-effective, fixed-position configuration. **Features:** 13 channels (2 mic, 10 stereo line, 1 telephone); 4 high quality mic preamps; 2 inputs per channel; illuminated switches throughout; Simple Phone® telephone channel and mix-minus out; Sifam stereo VU meters for Program and Audition; channel on/off switches with full machine control logic and programmable monitor muting; remote control of channel on/off; six-source stereo line selector; studio control with talkback; 5-source control room monitor selector (PGM, AUD, TEL, EXT1, EXT2); built-in digital timer with start/stop, reset and hold controls; tape machine remote control section; built-in cue speaker and amp; slim profile surface mount chassis. Dimensions: 31.4"W x 21.5"D x 8"H. **Options:** colored fader knobs.

R-5	Mfr. List	$4,995.00	Call For BSW Price

RD12/RD20 - Audio Consoles

Transition smoothly into the digital realm with the Arrakis RD12 and RD20 consoles. With the power of 32-bit floating point digital signal processing, these consoles are the flexible control centers for today's digital and analog studios. They accept both analog and digital input signals, process them entirely in the digital domain and then provide output signals in both digital and analog formats! With the RD12 and RD20, your present analog equipment isn't made obsolete, and the consoles can easily accommodate future digital equipment so your transition to digital can be orderly. The RD1212 console comes standard with 12 input modules (2 mono mic, 5 digital stereo line and 5 analog stereo line). The RD2018 has 18 input modules (2 mono mic, 8 digital stereo line and 8 analog stereo line) and 2 option slots (other console configurations are available). Features for both include: control room monitor module; 2 output master modules; meter module; three VUs; clock; timer; cue speaker. Options for both include: line selector modules, dual fader phone module with mix-minus; studio module with talkback controls and more.

*RD1212	Mfr. List	$12,600.00	Call For BSW Price
*RD2018	Mfr. List	$17,190.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

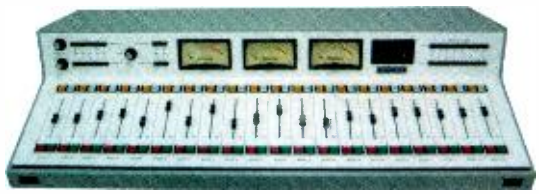
AUTOGRAM

PACEMAKER II SERIES - Audio Consoles

The new Autogram PaceMaker II series consoles offer an incredible amount of flexibility without an enormous price tag. Choose from either the 18-channel or 28-channel mainframe with your choice of the number of dual input modules and up to two 8-line selector modules. The 18-channel model features four VU meters but two are switchable; the 28-channel model has six. Standard items for both include: autoclock; 4 mic preamps; two audio output boards; monitor output board; VCA level controls; mix-minus bus; Penny and Giles faders; pluggable miniature terminal strips (RCA and XLR panels optional).

*PM218-12	configured with 12 dual input modules	Mfr. List $8,252.00
*PM228-22	configured with 22 dual input modules	Mfr. List $11,913.00

Call For BSW Prices



R/TV20 - Audio Console

When you need mixing flexibility, you'll want the R/TV20 from Autogram with a total of 34 stereo inputs on 20 channels. Optional live assist package plugs into the R/TV series console and offers full remote control plus live assist sequencing capability. Dimensions: (R/TV12)37.5" W; (R/TV20) 44"W x 21.75"D x 10"H. R/TV12 offers 24 stereo inputs and 12 channels.

*RTV20	Mfr. List $13,651.00	Call For BSW Price
*RTV12 (not shown)	Mfr. List $11,353.00	Call For BSW Price

MINI-MIX SERIES - Audio Consoles

Mini-Mix 12A Features: flexible input configuration to interface any piece of pro or consumer audio equipment; 12 slide pots host a total of 25 stereo inputs (15 balanced pro level, 10 unbalanced consumer level); first 2 channels are dedicated mic level. Dimensions: 27.25"W x 15.5"D x 4.7"H.

Mini-Mix 8A Features: 8 slide pots for 12 inputs (6 balanced, 6 unbalanced). Dimensions: 19.4" x 15.5"D x 4.75"H.

*MINIMIX12A	Mfr. List $3,499.00	Call For BSW Price
*MINIMIX8A	Mfr. List $2,499.00	Call For BSW Price

AUTOGRAM

PACEMAKER SERIES - Audio Consoles

Pacemaker consoles are affordable and versatile consoles for radio. The Pacemaker 648 features 8 inputs per channel (48 inputs total). On the 618, channels 1-5 have dual inputs; channel 6 has 8 inputs. The 828 has 28 stereo inputs; the 1032 has 32 stereo inputs (both the 828 and 1032 have 2 inputs per channel and 2 banks of remote selectors). The 1644 has 16 channels with 44 inputs. **Features (all Pacemakers):** VCA level controls; no audio transformers; Schadow selector switches; electronic switching; mix-minus bus; engraved front panel; Penny and Giles faders; pluggable miniature terminal strips. Please call for console dimensions.

*618	6 channels, 18 inputs	Mfr. List $5,221.00
*648	6 channels, 48 inputs	Mfr. List $6,790.00
*828	8 channels, 28 inputs	Mfr. List $6,515.00
*1032	10 channels, 32 inputs	Mfr. List $7,727.00
*1644	16 channels, 44 inputs	Mfr. List $9,693.00

Call For BSW Prices

BROADCAST AUDIO

BA1230 - Digital Console

The BA1230 is a fully digital 12-channel on-air console with 30 inputs, 12 individual fader controls, A and B inputs on each channel and two 4x1 auxiliary input switches. With 30 inputs, engineers can more efficiently parallel digital and analog sources from audio switchers and computer systems to the console to keep a broadcast signal on the air even in the event of automation or software failure. The BA1230 is equipped with up to 12 interchangeable digital or analog input board modules each providing two channel inputs by separate XLR connectors. Mixing and audio signal processing are performed by a state-of-the-art DSP, designed in partnership with Graham-Patten Systems. **Features:** a total of 30 available stereo inputs; two separate air inputs; full output metering; two stereo and one mono output bus; time of day/event timer combination; phone and monitor source select and level controls; digital inputs support both AES/EBU and S/PDIF formats and accept sample frequencies from 24 to 50 kHz (all digital inputs contain sample rate converters); analog inputs are balanced XLR connections and offer individual analog level adjustment for both A and B inputs; high-performance 18-bit A/D converters. **Options:** individual input modules, fader start/stop option; left or right mount meter bridge; overlays and side panels.

*BA1230	Prices from $14,000.00 Mfr. List

Call for BSW Pricing and Configuration

* Non-inventory item subject to return restrictions.

DIXON

NM-250 - Audio Console

The Dixon Systems NM-250 mixer is designed for busy newsroom work stations and contains almost all the features of a full broadcast console in a two-rack-space unit. To achieve the best performance possible, low noise 1% metal-film resistors are used throughout the audio path. **Features:** 2 mic inputs with on/off switch and 48v phantom power; monitor output mutes when mic is on; mono line input for telephone hybrid; input for computer sound card; front panel input for DAT/cassette recorders; 2 balanced +4 line inputs; built-in mix-minus bus for telephone hybrid; built-in talkback system with 2 sends and receives; relay closures for computer channel on, telephone channel on and mic on; LED VU meter display; built-in headphone amp lets you select Mixer (program), Cue, or Off-Air; balanced +4 XLR line, mic and phone inputs; unbalanced -10 RCA I/Os for computer workstation/soundcard interface; all outputs except computer I/O are via pluggable terminal connectors and are balanced +4.

NM250 **Mfr. List $1,195.00** **Call For BSW Price**

FIDELIPAC

MX SERIES - Audio Consoles

True modularity, superior flexibility and low cost give Fidelipac's MX series consoles real value for the dollar. MXR consoles are available with 6, 8, 10 or 12 rotary faders. MXL consoles offer 6, 8, 10 or 12 linear faders mounted three inches apart. MXE consoles permit 10, 12, 14, 16 or 18 linear faders mounted two inches apart. **Features:** fully modular input modules with precision motherboard construction offer durability and flexibility. Every input module has two inputs that can be wired for mono or stereo. The "A" side of any input module can be fitted with an optional mic preamp (one included standard). Line inputs can be wired for consumer or pro level, eliminating the need for outboard matching units. Additional features include VCA mixer and monitor control; two input expansion switches; four assignable outputs – two stereo plus two mono; remote start logic; count-up event timer; built-in cue amp/speaker and headphone amp; all steel construction; excellent RF immunity; virtually indestructible control surfaces.

***Prices Range From $3,270.00 to $8,210.00 Mfr. List**
Call For BSW Prices

FIDELIPAC

DYNAMAX MXA SERIES - Audio Console

The Dynamax MXA broadcast studio console comes in 4, 5 or 6 channel models. Each MXA console includes one mic preamp standard. Additional linear modules and mic preamps optional. **Features:** true modular design; ultra-reliable motherboard construction; full monitoring/cueing facilities with VCA level control and active source selection; built-in cue amp with speaker and amplifier stereo 8 ohm headphone output; independent level controls for A and B input; independent remote start for each A and B input; opto-isolated remote module on/off; selectable fader start; two inputs per module, mic/line or line/line (line inputs may be mono or stereo, consumer or professional format); four assignable outputs (two stereo and two mono); sturdy, all-steel construction; excellent RF immunity; active balanced line inputs; active balanced main and monitor outputs.

***MX4A**	4 Channels	**Mfr. List $2,795.00**
***MX5A**	5 Channels	**Mfr. List $2,995.00**
***MX6A**	6 Channels	**Mfr. List $3,195.00**

Call For BSW Prices

MX/D - Digital Audio Console

The MX/D lets you experience the benefits of a completely digital signal path without losing the familiarity of operating an analog on-air console. **Features:** 8 mixer channels controlling 16 inputs; choose any combination of analog or digital input modules; analog modules provide 18 bit A/D conversion from XLR connectors; mic preamp standard with all analog input modules; digital input modules have AES/EBU connectors (accepts S/PDIF format) and provide sample rate conversion; A/B input select with LED indicator; 3 digital plus 3 analog outputs; 48 kHz digital out standard (optional 44.1 kHz or 32 kHz): LED lighted bus assignment switches for Program, Audition, Mono and Cue; Cue activated via fader detent and momentary cue switch; LED metering for PGM, AUD and mono buses; count-up event timer; built-in cue amp and speaker; independent A/B remote start and stop; excellent RF immunity; remote channel on/off; Lexan overlay on all control surfaces. Dimensions: 25.75"W x 23"D x 9.25"H.

***Price Based On Configuration**

* Non-inventory item subject to return restrictions.

Puzzled about digital consoles?
We have the perfect fit

ROC-10
Digital with a better difference

Numix When you need more faders or more features

Vmix When space is tight

ROC-5 For your smaller studios

Logitek

LOGITEK

NUMIX - Digital Audio Console

Numix's ergonomic shape gives your studio a modern, open look. The enclosures are low and narrow providing better line-of-sight and access to video monitors behind the console. The control surface is modular in design. Start with a Selector wedge and add as many fader wedges as you need. The surface is as flexible as you choose. Faders can be limited to just one or two inputs or can access up to every input and output on the Audio Engine. This means smaller, less expensive hardware can still get a big job done.

Stored setups can be created which will allow each operator or day part to have a different configuration. You can even have multiple control surfaces connected to one Audio Engine. These surfaces can run independent studios or act as one large console for talent and producer-type shows.

The Numix connects to the Audio Engine with a single cable which makes installation a snap. Its flexibility, modest size and ease of use make it a clear choice for a full featured console. Call and talk to our sales professionals today.

***Price Based On Configuration**

ROC-10 - Digital Audio Console

The Logitek ROC-10 console control surface is ergonomically designed with 10 fully assignable faders, giving you easy access to up to 64 inputs. Separate audio and control sections allow you to keep audio out of the control room. **Features:** easily connects up to 64 inputs and outputs – analog or digital; analog inputs/outputs have 20-bit AD-DA converters; digital inputs take either AES or S/PDIF and have sample rate converters for each; each audio engine supports two control surfaces and replaces the need for an audio switcher; LCD display shows audio sources and their destinations. ROC-10 consoles are configured with a control surface in your choice of colors (white or gray), AE32 audio engine with communication controller and power supply, one SHARC™ DSP card for each control surface used and your choice of digital and/or analog I/O cards (4 stereo ins/outs per card) and mic preamps.

*ROC10GY (ROC10WT)	control surface	Mfr. List	$3,995.00
*AE32	digital audio engine	Mfr. List	$2,500.00
*IO4D	digital I/O AES or S/PDIF with DB25	Mfr. List	$899.00
*IO4DBNC	digital I/O with BNC	Mfr. List	$899.00
*IO20A	analog I/O with DB25	Mfr. List	$899.00
*SHARC	DSP card	Mfr. List	$899.00
*MP4	4 microphone preamp card (XLR)	Mfr. List	$399.00

Call For Configuration Assistance and Pricing

LOGITEK

ROC-5 - Digital Console

The ROC-5 is a 5-fader version of the ROC-10. With the assignable faders, you can access all 64 channels of the fully loaded audio engine. The ROC-5 is ideal for newsroom or production studios with digital audio workstations. **Features:** easily connect up to 64 inputs and outputs – analog or digital; analog inputs/outputs have 20-bit AD-DA converters; digital inputs take either AES or S/PDIF and have sample rate converters for each; each audio engine supports two control surfaces and replaces the need for an audio switcher; ergonomically designed control surface. ROC-5 consoles are configured with a control surface in your choice of colors (white or gray), AE32 audio engine with communication controller and power supply, one SHARC™ DSP card for each control surface used and your choice of digital and/or analog I/O cards (4 stereo ins/outs per card) and mic preamps.

*R5GY (R5WT)	control surface	Mfr. List	$3,995.00
*AE32	digital audio engine	Mfr. List	$2,500.00
*IO4D	digital I/O AES or S/PDIF with DB25	Mfr. List	$899.00
*IO4DBNC	digital I/O with BNC	Mfr. List	$899.00
*IO20A	analog I/O with DB25	Mfr. List	$899.00
*SHARC	DSP card	Mfr. List	$899.00
*MP4	4 microphone preamp card (XLR)	Mfr. List	$399.00

Call For Configuration Assistance and Pricing

LPB

7000 SERIES - Audio Consoles

Available in 12- and 18-channel models, LPB audio consoles offer high quality and long lasting durability in a modular design. **Features:** 2 inputs per channel; 3 stereo output buses; 3 mono output buses; remote starts with blinking ready-light and remote access on all inputs; modular plug-in electronics for each channel I/O; mic processing I/O; cumulative/event timer with channel start capability; programmable muting; Penny & Giles 3000 linear faders; all gold contacts throughout; all front panel push-button switches rated for 5 million operations. Dimensions: (7012) 29"W; (7018) 49"W x 25"D x 8"H.

*7012	12-channel stereo	Mfr. List Under	$6,995.00
*7018	18-channel stereo	Mfr. List Under	$9,295.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

ALESIS

STUDIO 12R - Audio Mixer

The Studio 12R is a 12-channel, rack-mountable mixing console that offers 8 ultra-high-quality microphone preamps and 60mm faders on each channel. Features: two bands of shelving EQ (12 kHz and 80 Hz) allowing for tonal adjustment; two aux send controls (one pre-fader and one post-fader) may be used for monitor returns or setting up the routing scheme for effects processing; individual insert points on each channel; headphone jack; 48v phantom power; balanced XLR and TRS I/Os.

STUDIO12R Mfr. List $449.00 Call For BSW Price

STUDIO 24 - Audio Console

The Studio 24 recording console is designed to be an excellent choice for eight-track studios needing an efficient, low cost, true recording console with excellent audio quality. Features: 8 input channels (mono) or 4 input channels (stereo); 2 stereo groups for sub-mixes; phantom powered mic preamps with excellent sonic quality, low noise and high headroom; EQ with high and low shelving controls and sweepable mids; 4 aux sends for effects and cue mixes (two pre-fader and two post-fader) as well as two stereo aux returns; smooth 60mm faders; balanced XLR inputs (each with its own switchable direct output); balanced TRS and unbalanced RCA 1/4" jacks.

STUDIO 24 Mfr. List $799.00 Call For BSW Price

STUDIO 32 - Audio Console

With sonic quality and routing versatility beyond the capabilities of other mixers in its price range, the Studio 32 16-channel, 4-group, inline console is a class leader. As a true inline console, it lets you send 16 audio signals to a recorder and monitor 16 channels coming back from tape without re-patching. Its 16 hybrid/discrete phantom-powered mic preamps offer low noise and high headroom with 60 dB of gain. Features: EQ providing low and high shelving controls with fully parametric mid-frequency control set; 6 aux sends (2 pre-fader and 4 post-fader); precise pan controls, mute and solo switches; XLR and TSR I/Os.

STUDIO32 Mfr. List $1,149.00 Call For BSW Price

AUDIOARTS

MR-40 - Audio Console

The MR-40 has features that allow it to function as a multitrack production board and double as a secondary on-air board. Features: 4-track bus assign for your tape recorder or digital workstation; program assign so you can transfer directly to your 2-track or go right on-air; mono mic/line and stereo line inputs; channel on/off with machine control; defeatable 3-band equalizer on input channels; dedicated 4-track monitor section; studio/control room monitor section with talkback; cue on inputs, subgroups and stereo module; studio muting and tally functions; cue speaker and amp. Dimensions: 29.5"W x 7.75"H x 22"D. Options: 5-input stereo source selector; tape control modules; custom engraved off buttons; color fader knobs.

*MR40 Mfr. List $9,235.00 Call For BSW Price

FOSTEX

VM200 - Audio Console

A sophisticated, intuitive, and affordable 20 x 8 direct bus plus 8 flexible bus digital mixer with moving faders is now a reality with the VM200. Designed for project studios and private studios, the new VM-200 Digital Recording Mixer offers 32-bit processing and mixing, superior digital effects and an incredibly high audio specifications. Unlike other digital mixers, the VM-200 mimics a conventional console in many ways, giving you instant access to often-used features without resorting to complicated recall operations. Features: 60mm motorized faders on all channels; built-in 32-bit RISC CPU for superior audio quality; link two VM200s together for 16 track recording; large backlit LCD display; dedicated stereo/solo level meter; 100 scene memory plus 3 preset scenes (Initial/Recording/Mixdown); direct operation of Pan and EQ for each channel via 12 rotary controls; 4-band parametric EQ on each of 16 input channels with graphic display; 50 preset and 50 user EQ pattern memories; 2x integrated DSP effects processors using Fostex Advanced Signal Processing Technology; 50 preset and 50 user programmable effect library; word I/O - 7 reference clock (44.1, ADAT 44.1/48, S/P-DIF 44.1/48, Word 44.1/48); 3 fader groups; 3 mute groups; pairing and solo; Inputs – 8 analog inputs ch 1-8 (4 balanced XLR with +48v phantom power) plus 4 inserts; 2 track input; 8 digital inputs ch 9-16 via ADAT optical; 20 inputs in remix; Outputs – 8 direct bus ADAT digital out; 8 flexible bus (Stereo LR, Effects 1/2, AUX send 1,2,3,4). Optional Accessory: Model 9910 19" Rack Mount Kit.

*VM200 Mfr. List $1,499.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

MACKIE DESIGNS

8•BUS - Audio Console

Mackie's 8•Bus series is proof that a high quality, full-featured console for multitrack recording doesn't have to cost a fortune. Available in 16, 24, and 32 channel versions, these consoles are a combination of high quality components, innovative design and incredible features, giving excellent value for your dollar. **Features:** 100mm precision network faders; separate tape monitor path; A & B mix paths; 6 aux sends and returns; 4-band EQ (HI & LO shelving; HI mid sweep & LO mid sweep); solo/channel metering, 2 headphone mixes; studio/control speaker mixes; talkback with built-in mic; balanced XLR mic and TRS line inputs; balanced XLR main outputs; balanced TRS sub-outputs. Dimensions: (16•8) 29.2"W; (24•8) 37"W; (32•8) 45.8"W x 28.8"D x 4.8"H w/o meter; 9"H w/meter. **Options:** 24•E, 24 input expander console; meter bridges (MB•16, MB•24, MB•32); console stands (ST16•8, 24•8, 32•8 & 24•E), SC•8 sidecar with 11 rack spaces for patch bays, power supplies etc.

168	16 channel	Mfr. List	$2,719.00
248	24 channel	Mfr. List	$3,399.00
32•8	32 channel	Mfr. List	$4,249.00
*24E	24 channel expander	Mfr. List	$2,549.00
MB16	meter bridge	Mfr. List	$699.00
MB24	meter bridge	Mfr. List	$799.00
MB32	meter bridge	Mfr. List	$899.00
*MBE	meter bridge	Mfr. List	$699.00
*SC8	sidecar	Mfr. List	$399.00
Floor Stands	(All Models)	Mfr. List	$299.00

Call For BSW Prices

SR SERIES - Audio Consoles

Mackie's SR consoles offer durability and quality in a flexible 4-bus format that is suitable for both recording and sound reinforcement. **Features:** ultra-high headroom/ultra-low noise performance; rigid steel chassis, super heavy-duty knobs and horizontal fiberglass circuit board with brass standoffs ensure bulletproof reliability; wide bandwidth mic preamps; accurate, long-taper 60mm faders; 3-band EQ with sweepable mids on all inputs; low-cut input filter; unique ultra-high frequency EQ enhancer on subgroups; 6 AUX sends (4 can be pre- or post-fader); pre- and post-fader listen (cue); special level setting function in solo (cue) mode; flexible control room and tape monitoring; talkback facilities; balanced mic and line inputs (XLR and TRS); balanced TRS AUX outputs; balanced TRS and XLR main stereo outputs. Dimensions: (SR24•4) 31"W; (SR32•4) 41.4"W x 6"H x 19.2"D.

SR32-4	32 channels	Mfr. List	$2,299.00	Call For BSW Price
SR24-4	24 channels	Mfr. List	$1,599.00	Call For BSW Price

MACKIE DESIGNS

1604-VLZ PRO - Audio Mixer

The latest rendition of the mixer that started the Mackie craze, now with even better audio performance. **Features:** 16 mic/line inputs with 16 of Mackie's XDR extended dynamic range preamps with 60dB of gain and a virtual 10dB pad to handle a wide range of input signals; accurate 60mm log-taper pots; 3-band EQ with swept mids and low-cut filter; 6 AUX sends (AUX 1&2 are switchable pre/post fader); PFL & AFL (solo) button; channel mute; switchable low-cut filter; true 4-bus design with subgroup and stereo bus assign; a handy effects-to-monitor switch lets you blend effects back into the AUX bus for monitors; control room/headphone monitor section with source matrix for monitoring tape, sub1&2, sub 3&4 and main mix; unique 5-way physical configuration with rotating input/output pod; balanced XLR outputs. Dimensions: 19" wide, height ranges from 4.9" to 9.3" depending on I/O pod configuration, depth 12.8" with I/O jacks extending behind mixer, 17.9" with I/O pod facing up or toward the top of the mixer. **Options:** RP1604VLZ rack adaptor for roto pod; MixerMixer lets you combine up to 12 outputs from any 3 mixers.

CR1604VLZPRO	Mfr. List	$1,249.00	Call For BSW Price
RP1604VLZ	Mfr. List	$25.00	Call For BSW Price
1604VLZD	Mfr. List	$59.99	Call For BSW Price

1642VLZ PRO - Audio Mixer

This Mackie mixer offers a perfect combination of mic and line level inputs. Similar in design and with the same high-quality architecture as the famous 1604VLZ PRO, the 1642VLZ PRO offers 10 precision-engineered, studio-grade mic preamps. The 16 channel configuration (8 mic/line plus 2 stereo mic/line plus 2 stereo line) fulfills a wide range of mixing applications. **Features:** ultra-low noise, high headroom; mic preamps with 130 dB dynamic range for 24-bit, 192 kHz sampling rate inputs and distortion under .0007% THD; 48V phantom power; 8 TRS channel inserts; advanced DC pulse transformer RF rejection; 60mm log-taper faders; 4 AUX sends, level, pan -20dB and OL LEDs on each channel; 3-band EQ with sweepable midrange on mono channels; 4-band EQ on stereo channels; steel chassis.

1642VLZPRO	Mfr. List	$999.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

10 XDR MIC PREAMP CHS • 4 STEREO LINE CHS • 4 SUBS

The 1642-VLZ PRO: midsize luxury for $999.99*

10 XDR™ mic preamplifiers (on mono mic inputs Chs. 1-10) with the finest sound quality (and specifications) ever on a compact mixer. 0dB to 60dB gain range.

75Hz low cut filters on all 10 mic channels. Sharp 18dB/oct., phase accurate circuitry cuts infrasonics caused by stage rumble, wind noise and P-pops.

Sweepable midrange EQ on Chs. 1-8 with incredibly wide 100Hz-8kHz sweep range. Fixed shelving HF EQ at 12kHZ and fixed shelving LF at 80Hz.

Overload and ultra-sensitive, -20dB **Signal Present LEDs** on every channel.

4 aux sends per channel. Auxes 1 & 2 are pre/post switchable; Auxes 3&4 are fixed post-fader.

4 stereo line inputs. Unity summed w/mic-in chs 9-12, ±20dB chs 13-16.

8 mono line inputs (Chs. 1-8), with +15dB to -45dB gain range. **Bal./unbal. direct outs** on chs 1-8.

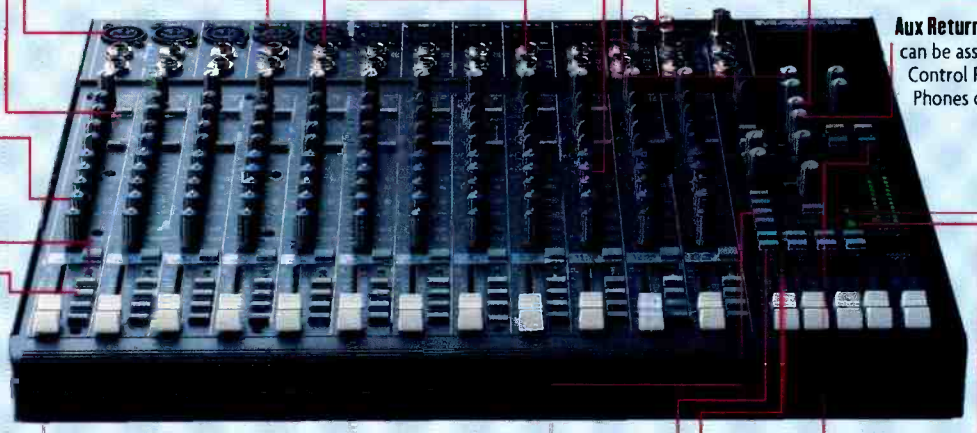
Inserts on the first 8 chs.

Effects to Monitor controls on Aux Returns 1 & 2 let you fold EFX back into stage monitor mixes independent of main PA.

4-band EQ on Chs. 9-16. With 12kHz HF, 3K Hi-Mid, 800Hz Low-Mid and 80HZ LF.

RCA inputs and outputs with tape input level control.

Aux Return 3 can be assigned to Main Mix or Subs 1 & 2 or 3 & 4.



Aux Return 4 can be assigned to Control Room/Phones only.

60mm logarithmic taper faders with ultra-long-life resistance elements provide linear volume change from full-on to -∞.

On the back: Direct outs (Chs. 1-8, bal./unbal.), TRS mono-main output with level control, XLR stereo main outputs with recessed mic/+4 line level switch.

Control Room/Phones Section with separate headphone and control room level controls. Source Matrix selects any combination of Main Mix, Subs 1 & 2, Subs 3 & 4 or Tape for exceptional studio monitoring flexibility. Also lets you create a third live stage monitor mix or separate feed.

True 4-bus configuration with ch and master LR assigns. Each bus has 2 outputs, letting you hook up all 8 chs of a recorder without constant repatching.

Master Aux Return Solo switch.

Tape to Main Mix switch.

RUDE solo LED in bright ecologially-correct green.

Level-set LED + channel strip in-place stereo solo buttons make initial level setting fast and accurate.

ESOTERIC MIC PRE

LOWEST NOISE, HIGHEST HEADROOM

0.0007% THD

130dB DYNAMIC RANGE TO HANDLE HOT 24-BIT/192kHz OUTPUT FROM DIGITAL AUDIO WORK STATIONS

FLAT WITHIN 1/10thdB ACROSS 20Hz TO 20kHz AND DOWN ONLY -3dB AT 1Hz and 192kHz

ULTRA-LOW IM DISTORTION & E.I.N. AT REAL-WORLD OPERATING LEVELS

IMPEDANCE INDEPENDENT

BEST RF REJECTION OF ANY COMPACT MIXER AVAILABLE

You asked. We listened.

The 1642-VLZ PRO is packed with goodies including sweepable midrange EQ, 75Hz low cut filters to cut room rumble and drum vibrations, Control Room/Phones switching matrix with individual level controls, four aux sends per channel, constant loudness pan control and in-place stereo solo.

Recording: The new 1642-VLZ PRO gives you the finest mic preamps ever offered on a compact mixer. Two dedicated channels for tracking. Eight for monitoring. And two stereo channels for effects. Plus "double-bussed" submix outputs so you can feed all 8 channels of your recorder without having to re-patch.

Live and Alive: Mixers aren't always sitting calmly on the side of the stage anymore. Often, they're out front. They're instruments. The 1642-VLZ PRO has plenty of mic inputs for vocals, guitars and drums – plus 4 stereo channels for DJs and Keyboards.

Call toll-free or visit our web site for complete information on the new midsize luxury 1642-VLZ PRO. Learn why it's the best compact studio or live sound mixer (and rip-roarin' Electronica sound collage board) on the planet.

*$999 suggested U.S. retail price does not include extra toppings or optional thick Sicilian crust. Your price may vary. No user-serviceable parts in this footnote.

MACKIE

MADE IN WOODINVILLE USA BY GENUINE MACKOIDS

Call BSW at 800-426-8434

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MACKIE DESIGNS

1402-VLZ PRO - Audio Mixer

A popular model for its convenient size and low cost with performance that's dead quiet with absolute minimum crosstalk. **Features:** 6 mic inputs with Mackie's new XDR extended dynamic range preamps; 4 stereo line inputs; accurate 60mm log-taper pots, 2 AUX sends and returns; AUX1 can be selected for pre-, or post-fader; 3-band EQ; PFL (solo) button; Mute/ALT 3-4 Bus feature allows you to mute the audio of a given channel from appearing in the main mix and route the signal to a stereo ALT output. This can be used for a cue bus or to create a separate stereo mix. The first 6 channels offer 60dB of gain with a virtual 10dB pad to handle a wide range of input signals; switchable low cut filter (channels 1-6); a handy EFX-to-monitor switch lets you blend effects back into the AUX1 bus for monitors; separate control room and headphone sections offer more monitoring flexibility; balanced XLR outputs. Dimensions: 14"W x 3.3"H x 13"D. **Options:** RM1402-VLZ rack ears; 1402VLZD carrying bag.

MS1402VLZPRO		Mfr. List $629.00
RM1402VLZ	rack ears	Mfr. List $12.00
1402VLZD	nylon carry bag	Mfr. List $49.99

Call For BSW Prices

1202-VLZ PRO - Audio Mixer

This classic small mixer is perfect for a wider variety of application. Even though its size is small it features top-quality performance that puts it in a league sonically with professional consoles many times its size. **Features:** 4 mic inputs with Mackie's new XDR extended dynamic range preamps; 4 stereo line inputs; 2 AUX sends and returns; AUX1 can be selected for pre- or post-fader; 3-band EQ; PFL (solo) button; Mute/ALT 3-4 Bus feature allows you to mute the audio of a given channel from appearing in the main mix and route the signal to a stereo ALT output. This can be used for a cue bus or to create a separate stereo mix. The first 4 channels offer 60dB of gain with a virtual 10dB pad to handle a wide range of input signals; switchable low-cut filter (channels 1-4); a handy EFX-to-monitor switch lets you blend effects back into the AUX1 bus for monitors; separate control room and headphone sections offer more monitoring flexibility; balanced XLR outputs. Dimensions: 11.8"W x 3.3"H x 11.2"D. **Options:** RM1202-VLZ rack ears; KEB22 carrying bag.

MS1202VLZPRO		Mfr. List $459.00
RM1202VLZ	rack ears	Mfr. List $12.00
1202VLZD	nylon carry bag	Mfr. List $39.99

Call For BSW Prices

MACKIE DESIGNS

LM3204 - Audio Mixer

Mackie's LM-3204 packs more inputs into less rack real estate – sixteen stereo (16x2) line inputs plus four stereo (4x2) AUX returns, for a total of 40 inputs in only 5 rack spaces. **Features:** luxurious headroom; unity gain structure; +4dBu internal operating levels; 3-band EQ; two mic preamps; separate monitor/control room out with level control; unique Mute/Alt 3/4 feature mutes a channel input and reroutes it to the Alt 3-4 outputs, creating an additional stereo mix. **Options:** LM3204E 16-channel mixer expander.

LM3204	Mfr. List $999.00	Call For BSW Price

ROLAND

VM-3100PRO/VM-3100 - Audio Mixers

The VM-3100Pro and VM-3100 V-Mixing Stations offer professional digital mixing capabilities and superb 24-bit sound quality in compact and affordable desktop mixers.

The VM-3100Pro is a full-featured 20-channel/8-bus digital mixer with two high-quality onboard stereo effects processors, powerful Scene memory and MIDI mixer capabilities, and an optional external ADAT™/Tascam® interface. Because it is digitally controlled, the VM-3100Pro is able to be configured as a full 8-bus mixer via its stereo Main, Auxiliary, Bus and Monitor outputs. This flexible mixer also offers digital output via its Digital Out A and Digital Out B output busses, bringing the total number of busses to 12. The VM-3100Pro's powerful onboard dual-stereo multi-effects processors offer a variety of effects as well as Mic Simulation and even new COSM Speaker Modeling.

VM-3100Pro Features: compact digital mixer with 20-channel/8-bus design and full 24-bit resolution; two stereo multi-effects processors offer compression, reverb, chorus, delay, guitar/vocal/keyboard multi-effects, COSM Mic Simulation and Speaker Modeling; scene memory enables storing and recalling complex mixer settings, routings and effects; Full MIDI compatibility with external sequencer; onboard 136 x 32 dot backlit graphic LCD includes helpful icons; self-luminous buttons allow speedy operation **Options:** DIF-AT Interface Box adds ADAT™/Tascam® communication compatibility

The straightforward VM-3100 gives users 12 channels of 24-bit digital mixing with onboard stereo effects at an incredibly affordable price.

VM-3100 Features: affordable 12-channel/8-bus tabletop digital mixer; onboard stereo effects processor with compression, reverb, chorus, delay, and guitar/keyboard/vocal multi-effects

*VM3100PRO	Mfr. List $1,295.00	Call For BSW Price
*VM3100	Mfr. List $995.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

SOUNDCRAFT

GHOST - Audio Mixer

Soundcraft Ghost is the ultimate affordable analog recording console. It delivers the audio precision, quality and all the control features of a big studio desk without the usual prohibitive cost. These 8-bus in-line multi-track mixers are available in 24 channel, 56 input and 32 channel 72 input versions.

*Price Based on Configuration

SPIRIT

FOLIO FX16 - Audio Mixer

A flexible 4-bus mixer, the FX16 is capable of producing digital quality sound for both live and recording applications. **Features:** 16 balanced mic/line inputs with UltraMic™ preamps, 60dB of gain range and +22dB of headroom; 4 auxiliaries with aux masters and AFL monitoring; Lexicon effects section with dual effects such as chorus and reverb, chorus and delay or reverb and delay; 3-band EQ with swept mid-frequency; steep 18 dB/octave high-pass filter; 4 stereo returns with level control; 4-bus structure with 2 subgroup outs; 100mm tapered faders; global +48V phantom power; optional rack mount kit.

*RW5528 Mfr. List $1,199.95 Call For BSW Price

FOLIO FX8 - Audio Mixer

At home in studio and live environments, FX8 is a multipurpose console that offers the best sound and durability. **Features:** digital sound quality; 16 inputs standard; 8 balanced XLR inputs with mic preamps giving 60 dB of gain range; built-in Lexicon dual effects processor with editable programs and parameters; 8 globally pre/post switchable direct outs for recording or FX sends; 3 additional AUX sends with pre/post fader configurability; 3-band EQ with swept mids on mono inputs; steep 100 Hz 18 dB-per-octave high-pass filter on mono ins; PFL solo; 4 bus structure with 2 subgroup outputs; 2 stereo inputs with faders; 2 stereo returns for effects units or stereo instruments; 100mm tapered faders throughout; global +48v phantom power for condenser mics; channel and mix inserts; dedicated mono sum output with separate level control. All in a rugged chassis with an optional rack kit.

RW5555 Mfr. List $699.95 Call For BSW Price

SPIRIT

328 - Digital Console

With its unique console-based interface, the 8-bus digital 328 finally bridges the gap between analog and digital mixers retaining the spontaneity and ease of use of an analog console yet providing recall, moving fader automation and on-board Lexicon effects found only on more expensive digital consoles. **Features:** 16 mic/line and 5 stereo inputs with a total of 42 inputs at mixdown; 16 digital tape returns on both Alesis ADAT optical and Tascam TDIF formats; 24-bit throughout; 3-band fully parametric EQ; 4 Auxes; 2 Lexicon effects processors; 2 dynamic processors and 100mm moving faders. Along with snapshot and dynamic automation capability, it has built-in metering. Connectors include timecode input; RS422 port; MIDI ports; wordclock I/O; S/PDIF I/O and AES/EBU I/O.

*RW5546 Mfr. List $4,999.95 Call For BSW Price

POWERSTATION SERIES - Powered PA Mixers

Available in three sizes, Spirit Powerstation mixers combine excellent sonic quality, flexible features and plenty of clean power in a compact package that's ready to connect to your favorite PA speakers.

General Powerstation Features: 3-band EQ on all channels; high-pass filters on mono channels; inserts on mono channels and main bus; built-in Lexicon effects including several types of reverbs and delays; 2 AUX sends with a switch for routing to the Lexicon effects; dedicated effects level fader; PFL (cue) on all inputs; dual 7-band graphic EQs; flexible patch section lets you patch to the main mix, graphic EQs and power amp channels independently; TRS balanced outputs and patchpoints; binding post and Speakon speaker outputs.

Powerstation 350 Features: 6 mono mic/line inputs with studio-grade mic preamps; 2 additional stereo inputs; power amp rated at 120 watts/channel into 8 ohms; weight: 33 lbs.

Powerstation 600 Features: 8 mono mic/line inputs with studio-grade mic preamps; 2 additional stereo inputs; power amp rated at 175 watts/channel into 8 ohms; weight: 43 lbs.

Powerstation 1200 Features: 16 mono mic/line inputs with studio-grade mic preamps; 2 additional stereo inputs; power amp rated at 350 watts/channel into 8 ohms; weight: 55 lbs.

*RW5408 Powerstation 350 Mfr. List $999.95 Call For BSW Price
*RW5491 Powerstation 600 Mfr. List $1,599.95 Call For BSW Price
*RW5522 Powerstation 1200 Mfr. List $1,999.95 Call For BSW Price

* Non-inventory item subject to return restrictions.

SPIRIT

FOLIO NOTEPAD - Audio Mixer

The smallest mixer available from Spirit, Folio Notepad combines DAT quality audio and versatile features. **Features:** mono mic/line inputs with high-gain, low-noise mic preamps, phantom power and 2-band EQ; 2 stereo line inputs equipped with switchable turntable preamps; post-fader AUX sends on each input channel; dedicated stereo effects return; 2-track return; peak and VU metering; separate main and monitor outputs; balanced TRS main and monitor outs. Dimensions: 9.6"W x 8.9"D x 2"H.

Spirit's Folio Powerpad adds a built-in, 2-channel 30 watt amplifier with overload and thermal protection. Dimensions: 8.7"W x 8.9"D x 4.5"H.

RW5353	NOTEPAD	Mfr. List $299.95	Call For BSW Price
RW5427	POWERPAD	Mfr. List $399.95	Call For BSW Price

TASCAM

M-08 - Audio Mixer

M-08 is Tascam's enduring, affordable small mixer. **Features:** 12 inputs (4 mono, 4 stereo); 2 band EQ on all channels; 2 AUX sends per channel; mute and PFL (cue) on each input channel; 60mm linear master fader; 12-segment LED meters. Dimensions: 13"W x 12.5"D x 3.5"H. **Options:** KEB22 carrying bag and rack ears.

M08	12-channel mixer	Mfr. List $380.00	Call For BSW Price

TM-D4000 - Digital Audio Console

The TM-D4000 is an extremely powerful console with 32 mono and 2 stereo inputs, feeding 8 buses. The input section features 6 AUX sends, 4-band EQ and full dynamics control on each channel. **Features:** 100mm motorized faders control 32 mono inputs (addressable 16 at a time); three expansion slots are available for 8 channel audio I/O on channels 9 through 32 supporting TDIF-1, ADAT, AES/EBU or analog sources; full-featured machine control with jog/shuttle dial; surround-sound panning capability; advanced 24-bit AD/DA converters; large 320x240 LCD display; on-board stereo digital effects; full MIDI implementation; snapshot automation; dynamic automation available via external PC; balanced XLR and 1/4" analog I/O; unbalanced RCA I/O.

Two standard models are available: the TMD4000A loaded with 8 analog inputs and 16 channels of ADAT digital I/O; or the TMD4000T loaded with 8 analog inputs and 16 channels of TDIF digital I/O. Call for other configurations. **Options:** AES/EBU digital I/O; meter bridge; analog I/O cards.

*TMD4000A	Mfr. List $3,999.00	Call For BSW Price
*TMD4000T	Mfr. List $3,999.00	Call For BSW Price

YAMAHA

O1V - Digital Audio Mixer

The replacement to the popular ProMix01, the 01V is an enormously powerful digital mixer featuring a wealth of signal routing, processing and mixing options. **Features:** 24 inputs (16 analog inputs – 12 balanced with mic pre amps and phantom power – plus 8 digital inputs); 99-scene memory; two stereo multi-effects processors with the same DSP as the Yamaha ProR3 and REV500, and an effects library with 42 presets and 57 user presets; 4-band EQ with dedicated knobs (each band adjustable from 20 Hz to 20 kHz); MIDI thru/in/out; 4 assignable balanced TRS analog outputs, balanced XLR stereo outputs; digital coaxial I/O. **Options:** expansion cards for an additional 8 digital inputs or 8 assignable digital outputs for direct connection to multi-track recorders.

O1V	Mfr. List $1,999.00	Call For BSW Price

02RV2 - Digital Audio Mixer

02R Version 2 includes a long list of new features resulting from extensive consultation with many 02R users worldwide. 02RV2 builds in the basics of the original 02R such as an "open system" for compatibility with all major industry-standard digital audio formats (TASCAM [TDIF-1], ADAT, AES/EBU, and Yamaha), 40 input channels (24 analog and 16 digital), 8 output busses (analog/digital), 16 direct outputs, and 8 auxiliary sends for extraordinary signal processing power in remarkably compact dimensions.

New version 2 features add tremendous power with on-board 24-bit recording capability, various surround panning options, off-line copy-and-paste editing, timecode offset and timecode quick location, touch sense fader editing, which allows a fader to be instantly updated by simply moving it, MIDI remote and MIDI control assign; on-board MS stereo decoding, bus channel pairing, more flexible routing assginment and fader grouping, more scene memories, automatic fader start and stop of MD, DAT and CD - and much more. **Features:** 40 Inputs (24 analog inputs and 16 digital inputs provide for 40 channel inputs, with 16 of the 24 analog inputs incorporating high-performance head amplifiers for optimum matching with microphone or line sources; 24-bit recording; surround pan functions support 2+2, 3+1 and 3+2+1 (5.1) modes; Automix off-Line Editing; touch sense fader editing; timecode offset and eight timecode locate points; I/O assign input patching; MIDI control assign functions; remote MIDI control; 96 scene memories; fader start and stop internal automation system with 100mm motorized faders; "snapshot" scene memory; 4-band parametric EQ; 8 bus outputs; 8 AUX sends; 16 direct outputs; built-in dynamics and effects processing; balanced XLR stereo outputs; AES/EBU and S/PDIF digital outputs. Dimensions: 26"Wx27"Dx9"H. **Options:** digital interface cards for DA-88, ADAT, AES/EBU; MB02 Meter bridge.

*O2RV2	Mfr. List $8,899.00	Call For BSW Price
*MBO2	Mfr. List $1,299.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

YAMAHA

O3D - Digital Audio Mixer

Based on the successful O2R, the O3D offers a balance of features and affordability. **Features:** 16 balanced inputs (8-XLR/TRS and 8-TRS only); a single stereo line input (TRS); a slot for optional I/O cards; internal automation system with motorized faders; "snapshot" scene memory; 4-band parametric EQ; 4 bus outputs; 4 AUX sends; inserts on channels 1&2; built-in dynamics and effects processing; balanced XLR stereo outputs; AES/EBU and S/PDIF digital outputs. Dimensions: 18.1"W x 20.3"D x 8"H. **Options:** digital interface cards for DA-88, ADAT, AES/EBU and Yamaha formats.

O3D Mfr. List $3,699.00 Call For BSW Price

MX12/4 - Audio Mixer

The MX12/4 mixing console proves that size is no measure of performance. This compact 12-input/4-bus console delivers superior audio with high-quality head amplifiers. In addition to four group buses with flexible signal routing features, the MX12/4 includes built-in digital signal processing and a 7-band graphic equalizer. **Features:** 8 mono input channels; 2 stereo input channels; built-in digital effects processor; insertion send/return patch points on 4 channels; 3-band channel EQ, gain trim controls with a 44 dB range and LED indicators; XLR/TRS inputs; balanced stereo outs.

MX12/4 Mfr. List $599.95 Call For BSW Price

EMX2000 - Audio Mixer

The EMX2000 is basically a powered version of the MX12/4 with high-performance digital reverb and echo, a 7-band graphic equalizer, and high-efficiency 2-channel 200-watt power amplifier integrated into a compact portable unit. **Features:** 8 mono mic/line input channels; 2 stereo input channels (9/10 and 11/12); 2 independent monitor sends and an effect send control on each channel; independent stereo 1, stereo 2, mono, effect, monitor 1 and monitor 2 outputs; 200 watts of exceptionally clean power per channel with very little heat generation.

*EMX2000 Mfr. List $995.00 Call For BSW Price

AEQ

MP-10 - Remote Console

More than just a mixer, the MP-10 is really a complete portable studio for remotes. **Features:** 5 inputs, each with switchable mic/line level and phantom power; balanced outputs for program, AUX and talkback; 3 headphone outputs; separate headset channel allows user to talk on-air as well as communicate with the studio; telephone keypad; an EQ boost to compensate for poor phone audio; front panel metering for program and talkback; operates from external AC power or rechargeable Ni-Cad batteries with life of 4 hours; built-in tone oscillator and digital identifier; balanced XLR I/O.

*MP10 Mfr. List $1,545.00 Call For BSW Price

TLE-02D - Portable Mixer/Extender/Hybrid

The TLE-02D combines a portable mixer, audio codec, digital telephone hybrid and a frequency extender in one very compact and easy-to-use unit. **Features:** built-in audio codec, with terminal adaptor for high-quality connections on ISDN lines with low coding delay; built-in digital hybrid with echo suppression and frequency extender, for use on analog telephone lines; two microphone inputs plus a third mic/line input with separate level controls; two headphones outputs with independent level control and monitor signal selector; separate auxiliary output with level control and signal selection switch; front panel telephone keypad with pulse/tone dialing; backlit LCD display with indication of status, dial numbers, phone book entries and menu options; acoustic and optical signaling of the incoming calls either in ISDN or analog telephone lines; alphanumeric phone book with up to 256 entries; menu configuration using only two buttons; dialling with sub-addressing capability; software upgrades available through Flash-RAM technology; power is supplied by AC transformer or 8 AA size batteries; RJ-45 connector for ISDN, and RJ-11 for analog telephone lines. Two units (send/receive) required for frequency extended mode.

*TLE02D Mfr. List $1,430.00 Call For BSW Price

BROADCAST TOOLS

CCIIA - Console Controller

Here's the solution for interfacing non-broadcast consoles or digital workstations to the broadcast studio. **Features:** 3 channels of insert switching to turn on or off console input channels or other source equipment (i.e. mic pre's); LEDs on each channel may be programmed to flash when activated; monitor amplifier mute control (channel 3 may be programmed not to mute the monitors when activated); monitor level control; ability to switch between internal or external (program/off-air) monitor input sources.

CCIIA Mfr. List $299.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

ATI

NANOAMP MX SERIES - Compact Mixers

These ultra-compact mixers can be stacked or rack mounted three across allowing for up to eleven mic/line inputs. **MXS100 Features:** designed for portable or field use; 3 low-noise, balanced mic/line inputs with pan; mic/line balanced stereo outputs with switchable peak limiting; phantom power; low-cut filters; test tone oscillator, tape in/out; XLR I/O connections. **Options:** input expander XPS100 or XPS200; carrying bag; gel-cel battery pack; power supply; rack adaptors.

MX101 Features: mono version of the MXS100, full featured.

MX100/MX100C Features: 3 low-noise, balanced mic/line inputs; phantom power; a single balanced or unbalanced output; headphone output; XLR I/O connectors. MX100C only with switchable limiter. **Options:** input expander; power supply; rack adaptors.

MX200/MX200C Features: 3 balanced mic/line inputs; phantom power; balanced line level stereo out; headphone output; XLR I/O connectors; MX200C only with switchable limiter. **Options:** input expander; power supply; rack adaptors.

All input expanders operate with the applicable mixer, feature independent level adjustments and selectable phantom power, and include all DC and audio interconnecting cables.

*MXS100	stereo portable mixer, full featured	Mfr. List $949.00
*MX101	mono portable mixer, full featured	Mfr. List $579.00
*MX200C	stereo mic/line mixer w/switchable limiter	Mfr. List $789.00
*MX100C	mono mic/line mixer w/switchable limiter	Mfr. List $449.00
*MX200	stereo mic/line mixer	Mfr. List $749.00
*MX100	mono mic/line mixer	Mfr. List $399.00
*XP100	4-input switchable mono mic/line expand.	Mfr. List $299.00
*XPS100	4-input panned stereo switchable mic/line	Mfr. List $389.00
*XPS200	2-input stereo line with level adjustments	Mfr. List $359.00

Call For BSW Prices

COMREX

BUDDY - Remote Studio

This complete remote studio-in-a-box provides audio mixes for program feeds, communications, headphones and public address systems. **Features:** 4 channel main mixer (4 mic with 3 & 4 switchable to line); channel 1 can feed the phone line instead of program; 2 AUX inputs, one for codec return feed, the other for a spotter mic; an elaborate headphone mix section with 4 outputs and a flexible program/cue matrix; telephone interface with single line frequency extender; a separate PA feed output in addition to the program out; telephone dial keypad with seize switch and ring indicator lamp; all audio inputs and outputs balanced XLR.

BUDDY	Mfr. List $2,500.00	Call For BSW Price
BUDDYCASE	Mfr. List $200.00	Call For BSW Price

HENRY ENGINEERING

MICROMIXER/STEREOMIXER - Utility Mixers

MicroMixer is a four-input, two-out stereo utility mixer about the same size as the popular Matchbox (see interface equipment). **Features:** balanced and bridging inputs; individual input level controls; each input is separately assignable to the left, right, or both outputs; balanced stereo outputs will drive a 600 ohm load to +25 dBm; all connections via barrier strip terminals.

StereoMixer adds greater I/O. **Features:** 8 line level inputs (4 stereo or 8 mono); bridging inputs which accept a balanced or unbalanced source; stereo and mono balanced outputs; individual input level adjustment; L/R bus input for linking multiple units; 115/230 VAC, 50/60 Hz; all connections via barrier strip terminals.

MICROMIXER	Mfr. List $195.00	Call For BSW Price
STEREOMIXER	Mfr. List $250.00	Call For BSW Price

JK AUDIO

REMOTEMIX 3/REMOTEMIX 3.m - Multi-line Hybrid/Mixer

RemoteMix 3 is a combined audio mixer, headphone amplifier, telephone hybrid, and PBX telephone interface in one rugged unit. **Features:** works with conventional phone lines, or analog and digital PBX or ISDN phones; works with a cellular phone using a fax/modem adapter (available from your cellular dealer); two XLR microphone inputs; two 1/4" headphone jacks; RCA line in and out; XLR balanced mix output; transmit VU meter; mic /line switch on mic 1; built-in monitor speaker and talkback microphone; runs 36 hours on two 9-volt batteries or AC adapter (included); DTMF keypad with keypad lockout switch; auxiliary handset input for use as a standard telephone.

The REMOTEMIX 3.m is the same as RemoteMix 3 but with a clean mixer output on XLR to send through a codec, to video tape or to a satellite feed.

REMOTEMIX 3	Mfr. List $895.00	Call For BSW Price
REMOTEMIX 3.m	Mfr. List $895.00	Call For BSW Price

For Dial-Up Remote Gear
See Pages 152-157

* Non-inventory item subject to return restrictions.

JK AUDIO

REMOTEMIX C+ - Utility Mixer

RemoteMix C+ is a combination audio mixer, headphone amplifier and telephone hybrid in one. It's perfect for remote broadcasts, sport events and field reporting from any location. **Features:** works with conventional phone lines or cellular phone using a fax/modem adaptor (available from your cellular dealer); two XLR microphone inputs (mic/line switch on Mic 1); two 1/4" headphone jacks; RCA line in and out; XLR balanced mix output; runs 36 hours on two 9-volt batteries or AC adaptor (included); DTMF keypad; auxiliary handset input for use as a standard telephone.

REMOTEMIX C+ **Mfr. List $595.00** **Call For BSW Price**

REMOTEMIX 3x4 - Multi-line Hybrid/Mixer

The RemoteMix 3x4 is a broadcast tool that handles radio remote broadcasts and television IFB feeds. **Features:** three XLR mic inputs (switchable mic/line); three XLR line outputs; clean mix output; main phone line audio; monitor phone line audio; main and monitor rotary switches select between four telephone lines; Add button seizes the selected telephone line; Drop button releases the selected telephone line; DTMF keypad; handset jack allows telephone conversation on selected line; line LEDs lit when line is seized, flicker when ringing; switchable VU meter; 1 kHz tone generator; runs on two 9-volt batteries or AC adaptor (included); three 1/4" TRS headphone jacks with separate level controls and source selector switches.

REMOTEMIX 3x4 **Mfr. List $1,795.00** **Call For BSW Price**

MARTI

GX-500 - Remote Mixer/Phone Interface

The GX-500 provides all the features you need for great-sounding remotes through a dial-up phone line or optionally through the a "model specific" cellular phone interface. **Features:** 4 mic inputs and 2 auxiliary inputs; 4 headphone jacks; peak limiter; squelch/mute switch; tone/pulse dialing and electronic ringer; rechargeable batteries for up to 10 hours of use; second phone line capability; auxiliary output (line or mic level); external AC supply; plastic carrying case included. **Options:** micro-cellular interfaces available for most cellular telephones (call for pricing).

GX500 **Mfr. List $1,295.00** **Call For BSW Price**

NORTECH

MAX-Z - Remote Mixer

MAX-Z is a remote broadcast console that provides maximum flexibility, utility and excellent audio quality. **Features:** 4 mic/line inputs; front panel level and rear panel gain controls; cue buttons on channels 1 and 4; monitor input (mini jack) feeds into the cue channel; phone line out; direct audio out; 4 headphone jacks (1/4"); AC powered or use built-in rechargeable batteries and charger; clock; stopwatch/timer; VU meter; telephone keypad with pulse or tone dialing and 15-number memory; carrying case; balanced XLR mic/line inputs; phone out and direct out are modular phone jack (RJ11).

MAX-Z **Mfr. List $1,225.00** **Call For BSW Price**

MAX-ZII - Remote Mixer

The MAX-ZII is an abbreviated version of the MAX-Z (shown above) for remotes that don't require more than two channels. **Features:** two mic/line input channels; tape inputs (mini jack); cue button on channel 2; AC powered or use built-in rechargeable batteries and charger; two headphone outputs (1/4"); telephone output (RJ11); balanced channel inputs.

MAXZII **Mfr. List $750.00** **Call For BSW Price**

RANE

MLM82 - Mic/Line Mixer

This flexible 8-channel mixer can handle a variety of input sources and applications. **Features:** 8 inputs (4 balanced mono mic/line with XLR connectors, 4 stereo/mono line inputs with 1/4" TRS connectors); mic inputs have switchable phantom power; 2 XLR outputs switchable to mic level, line level or mono.

MLM82 **Mfr. List $499.00** **Call For BSW Price**

SM26B - Splitter/Mixer

Here is an extremely versatile, single-rack-space mixing tool that can act as an 8-in/2-out line mixer, a 2-in/6-out line splitter or a 6-in/6-out booster amp. **Features:** 6 balanced inputs can be panned between two main outputs; 6 mono outputs can be fed with any mix of the separate L and R inputs; front panel mix/pan and level controls for each channel; balanced TRS inputs and outputs.

SM26B **Mfr. List $439.00** **Call For BSW Price**

* Non-inventory item subject to return restrictions.

RDL

RU-MX5 - Mic/Line Mixer

This compact, 5-channel mixer is only 1/3 rack space wide. **Features:** five balanced/unbalanced main inputs (4-mic/line, 1-line only); a mix input for combining multiple mixers; balanced mic or line output; LED level indicators (-20, 0, +5); phantom power (jumper selectable); connections via barrier strip; flexible mounting options available. For RDL stick-on mixers see page 83-84.

RUMX5 Mfr. List $255.00 Call For BSW Price

ROLLS

PRO-MIX III - Microphone Mixer

The Rolls Pro-Mix III (model MX54) mixes 3 microphones into one transformer-balanced output. It features XLR inputs (each with its own phantom power, low-cut switch and level control), headphone jack and battery power.

MX54 Mfr. List $120.00 Call For BSW Price

SHURE

FP42 - Portable Stereo Mixer

The FP42 is a high-quality stereo microphone mixer. **Features:** 4 balanced mic/line inputs, balanced L/R outputs; pull-pot cueing on all input channels; low-cut filters; mono/stereo switch; mix bus for linking units; headphone amp; tone oscillator; switchable limiter; phantom power; dual VU meters; AC or battery power; XLR I/O connections (mix input RCA). **Options:** A16R rack panel.

FP42 Mfr. List $1,240.00 Call For BSW Price

FP410 - Automatic Microphone Mixer

Now you can operate a multiple mic mix with ease. With the FP410's Patented IntelliMix technology, you get smooth mixes by activating mics for speech, while eliminating constant room noise and automatically turning down unused mics. **Features:** limits the number of activated mics to one per talker; keeps most recently activated mic open until a newly activated mic takes its place; phantom powering; linking capability (up to 25 mixers); manual or automatic modes; AC or battery operation; 4 balanced XLR mic/line inputs; 2 balanced mic/line outputs; rack mount ears and link cable included.

FP410 Mfr. List $1,650.00 Call For BSW Price

SHURE

M367 - Microphone Mixers

The M367 is a very rugged and quiet compact mixer in the tradition of the famous M267. **Features:** 6 balanced mic/line inputs; phantom power; input peak LEDs; balanced, 2-position mix bus; switchable output peak/limiter with adjustable threshold and limiter LED; illuminated battery/AC/VU meter and program monitor input selector; all-metal chassis (same size as the M267); detachable power cord; easy-access side battery compartment; headphone monitor circuit. **Options:** A367R rack panel.

M367 Mfr. List $795.00 Call For BSW Price

SOUND DEVICES

MIXPRE/MP-2 - Microphone Mixers

Designed for high-definition field-production, Sound Devices MixPre and MP-2 (not shown) are portable, studio-quality, two-channel stereo microphone preamps. These products are ideal as the front end of any studio or field production recording system. They combine rugged mechanical and electrical construction, with compact size and high-quality components.

Features of both include: 20 Hz to 50 kHz bandwidth; greater than 110 dB dynamic range; up to 66 dB of gain per channel; sealed, conductive plastic potentiometers; phantom power (48v and 15v); AA battery or external DC power (via locking DC jack); Lundahl input transformers; six-transistor, discrete output topology; dual-mono or stereo-linked limiters with adjustable thresholds; sunlight viewable peak-reading LED output meter with meter intensity control; tape return enabling monitoring of external sources in headphones with level control; XLR and tape level outputs; rugged, extruded aluminum chassis with protective end panels and strap loops.

MixPre adds input assignment (pan) switches; built-in slate microphone; and 1 kHz tone oscillator.

MP-2 offers high-precision gain adjustment and an M/S stereo matrix (assignable to headphones or headphones and program output).

*MIXPRE Mfr. List $855.00 Call For BSW Price

*MP2 Mfr. List $855.00 Call For BSW Price

STUDIOMASTER

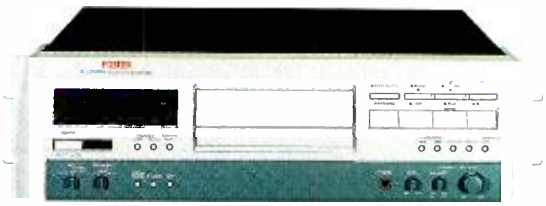
42DCXLR - Compact Audio Mixer

This battery powered (9-volt) stereo output mixer is ideal for any type of remote application such as audio for video, ENG work, remote broadcasts, etc. **Features:** 4 channels (each input can be XLR mic or RCA line); inputs include a pan control; 1/4" left and right output jacks; mic/line level output switch; mono/stereo mode switch; rugged steel construction; battery test light; jack for DC 9v input (adaptor not included).

42DCXLR Mfr. List $129.95 Call For BSW Price

* Non-inventory item subject to return restrictions.

FOSTEX



D5 - DAT Recorder

The D5 provides cost-effective DAT mastering with useful professional features. **Features:** three selectable sample rates and long play mode for up to 4 hours record/play time; 300-times max-speed locate and search; ID and TOC functions give you CD-style track information and audio locating. Operators and engineers alike will appreciate the lack of copy ID, the balanced analog I/O, the AES/EBU and S/PDIF digital I/O and a 5-pin DIN connector for wiring remote control functions.

D-5 Mfr. List $1,029.00 Call For BSW Price

PANASONIC

SV4100 - DAT Recorder

The SV4100 is perfect for broadcasting, post-production, studio mastering/editing and live performance. **Features:** 5 second RAM buffer that allows instant start as opposed to the standard .07 second start time; accurate PNO/cue assignment with 5 programmable cue locations; cue rehearsal and frame accurate trim; 5-mode external sync capability; frame accurate assemble editing with two machines; programmable output level; wireless remote control; a TRS remote connector for play/pause control; 8-pin parallel remote control port; balanced XLR analog I/O; AES/EBU, optical and coaxial digital I/O. Rack ears included.

SV4100 Mfr. List $2,650.00 Call For BSW Price

SV3800 - DAT Recorder

The SV3000 is the successor to the popular SV3700, with improved features and performance. **Features:** 64-times oversampling A/D and 20-bit resolution D/A converters; two-speed shuttle search wheel; search by start ID or program number (PNO); skip ID function; single program play function; separate L/R recording controls; all I/O and SCMS settings adjustable via front panel controls; wireless remote control; 8-pin parallel remote control port; balanced XLR analog I/O; AES/EBU, optical and coaxial digital I/O. Rack ears included.

SV3900 is a high-end unit with full remote control via parallel serial port; selectable sample rates (441. and 48 kHz); RS422 port and more.

SV3800 Mfr. List $1,695.00 Call For BSW Price
SV3900 Mfr. List $2,895.00 Call For BSW Price

SONY

PCM-R700 - DAT Recorder

The PCM-R700 is Sony's best non-timecode DAT machine. **Features:** high-reliability transport with 4 direct drive motors; 4 head construction for read-after-write and read-modify-write functionality (confidence monitoring); fade-in/fade-out recording and playback; jog/shuttle dial for easy operation; high S/N ratio with SBM recording function; 8-pin parallel remote control port; wireless remote control; independent L/R recording level controls; balanced XLR and unbalanced RCA analog I/O; AES/EBU and coaxial digital I/O.

PCMR700 Mfr. List $2,895.00 Call For BSW Price

PCM-R500 - DAT Recorder

This machine is a slightly scaled down version of the PCM-R700. **Features:** high-reliability transport with 4 direct drive motors; jog/shuttle dial for easy operation; high S/N ratio with SBM recording function; 8-pin parallel remote control port; wireless remote control; independent L/R recording level controls; balanced XLR and unbalanced RCA analog I/O; AES/EBU and coaxial digital I/O.

PCMR500 Mfr. List $1,695.00 Call For BSW Price

PCM-R300 - DAT Recorder

This low-cost rack mount DAT recorder utilizes Sony's Super Bit Mapping (SBM) technology for superior sound quality. SBM converts the audio signal from a 20-bit resolution A/D into 16-bit signals, allowing it to be recorded to a standard DAT. It incorporates much of the technology used in previous DAT recorders with many new features, including a set-up menu for preference selection with switchable ID6 mode (SCMS). **Features:** center mounted transport; supports 32 kHz, 44.1 kHz and 48 kHz sampling rates; high S/N ratio with Super Bit Mapping recording function; A/D and D/A monitoring modes; auto head cleaning; unbalanced RCA analog I/O; S/PDIF digital I/O.

PCMR300 Mfr. List $995.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

TASCAM

DA-302 - Dual DAT Recorder

The DA-302 contains two DAT recorders built into one 3U rack mount configuration. **Features:** up to 8 hours recording time on two decks; external control I/O for multiple unit operation; high-speed dubbing capability; append dubbing capability facilitates dubbing from any position on the master tape; continuous recording between deck 1 and 2; simultaneous record capability; independent S/PDIF digital I/O for each deck; digital output format selection (S/PDIF or AES/EBU); unbalanced RCA I/O; optional balanced XLR analog I/O kit.

DA302	Mfr. List $1,875.00	Call For BSW Price

DA-40 - DAT Recorder

Are you looking for a very robust and flexible DAT recorder with professional audio interface? Try the DA-40 from Tascam. **Features:** data/shuttle that allows for high-speed cueing, quick program entry and fast locating; switchable automatic input calibration; supports 32, 44.1 and 48 kHz sampling rates; defeatable copy code (SCMS); long record mode; 15-pin parallel remote port; balanced XLR and unbalanced RCA analog inputs and outputs; AES/EBU and S/PDIF digital I/O. **Options:** wired remote control.

DA-45HR offers 24-bit recording and playback; 24- or 20-bit A/D conversion; parallel remote control port; word sync IN/THRU; 2-point memory locate, timer search and much more.

DA40	Mfr. List $1,399.00	Call For BSW Price
DA45HR	Mfr. List $2,165.00	Call For BSW Price

DA-20MKII - DAT Recorder

The DA-20MKII is an affordable rack mount machine with Tascam's reliability and great-sounding audio. **Features:** sampling monitor function; Auto ID detection level switching; error rate display function; supports 32, 44.1 and 48 kHz sampling rates; long play mode for up to 4 hours of recording and playback; defeatable SCMS code; full-function wireless remote control; unbalanced RCA analog I/O; S/PDIF coaxial digital I/O.

DA20MKII	Mfr. List $975.00	Call For BSW Price

HHB

shown with optional timecode processor

PORTADAT - Portable DAT Recorder

The combination of superb sound quality, excellent handling and a full complement of professional features has established the PORTADAT as an industry standard for high-end DAT field recording. Designed to be light, strong and easy to operate in the field, it uses a rugged 4 motor transport for optimum reliability. 4 heads provide essential off-tape monitoring, and the rechargeable battery offers up to 2 hours recording time. **Features:** sampling frequency selector; independently lockable L/R record level controls; mic/line limiter; L/R high-pass filtered mic inputs; transport controls for ID search (back & forward), Rewind/Review, Fast Forward/Cue; remote control socket; phantom power; balanced XLR inputs; unbalanced RCA outputs; S/PDIF and AES/EBU digital I/O. **Options:** timecode model (PDR1000TC), headphone matrix module, master sync upgrade for drop editing.

*PDR1000	Mfr. List $2,995.00	Call For BSW Price
*PDR1000TC w/timecode	Mfr. List $6,395.00	Call For BSW Price

SONY

TCD-D10PROII - Portable DAT Recorder

For the most demanding field recordings, the TCD-D10PROII has been a proven performer. **Features:** supports 32, 44.1 and 48 kHz sampling rates; high speed search using IDs; switchable limiter; switchable mic low-cut filter; built-in speaker; easy-to-read multi-function display; AC or battery operation with 2 supplied rechargeable battery packs; balanced XLR mic/line inputs; unbalanced RCA analog outputs; AES/EBU digital I/O via 12-pin connector.

*TCDD10PROII	Mfr. List $4,350.00	Call For BSW Price

PCM-M1 - Portable DAT Recorder

Sony's most advanced, lightweight and compact portable pro DAT, the PCM-M1 offers 3.5 hours of recording time with supplied NiMH batteries (2.5 hours on standard alkaline batteries). **Features:** recording margin indicator to monitor peak levels during recording; improved internal microphone circuitry; automatic/mic limiter and manual recording level control plus two AGC modes; stereo mini mic/line input; stereo mini line output; optional digital I/O.

PCMM1	Mfr. List $999.95	Call For BSW Price

* Non-inventory item subject to return restrictions.

BSW has it All for Professional Recording.

BSW stocks a wide variety of high-quality recording media including CDRs, DATs, MDs, cassettes and reel-to-reel tape.

ADAT/HI-8

BSW carries specialized recording media such as ADAT and Hi-8. Here are two examples. Call for other media types.

ADAT45	HHB ADAT cassette, 45 minutes	†BSW Price ea. $9.17
DARS60MP	Sony Hi-8 cassette, 60 minutes	†BSW Price ea. $11.33

CARTRIDGES

BSW carries NAB cartridges from Fidelipac and Audiopak. Call for prices on the lengths you need.

CASSETTE

BSW carries bulk cassettes in the following lengths and grades. Note: lengths shown are for both sides combined. 10% discount available when purchased in cases of 100.

CP10	high bias, music grade, 10 minutes	†BSW Price ea. $.98
CP20	high bias, music grade, 20 minutes	†BSW Price ea. $1.05
CP60	high bias, music grade, 60 minutes	†BSW Price ea. $1.41
CP90	high bias, music grade, 90 minutes	†BSW Price ea. $1.73
VC10	HOLN, voice grade, 10 minutes	†BSW Price ea. $.59
VC20	HOLN, voice grade, 20 minutes	†BSW Price ea. $.64
VC60	HOLN, voice grade, 60 minutes	†BSW Price ea. $.82
VC90	HOLN, voice grade, 90 minutes	†BSW Price ea. $1.07

CDR/CDRW

BSW carries a full selection of high-quality recordable compact discs. 10% discount available when purchased in boxes of 10.

CDR74GOLD	Mitsui Gold	†BSW Price ea. $2.41
CDR74MEM	Memorex blue	†BSW Price ea. $1.55
CDR74SP	HHB silver	†BSW Price ea. $2.89
CDRW74MEM	re-writable CD	†BSW Price ea. $8.34

DAT

BSW carries high-quality Panasonic and Sony digital audio tapes (DAT). 10% discount available when purchased in boxes of 10.

RTR64M	Panasonic, 65 minute DAT	†BSW Price ea. $6.92
RTR94M	Panasonic, 95 minute DAT	†BSW Price ea. $7.89
RTR124M	Panasonic, 125 minute DAT	†BSW Price ea. $8.63
PDP65	Sony, 64 minute DAT	†BSW Price ea. $5.95
PDP95C	Sony, 94 minute DAT	†BSW Price ea. $7.06
PDP125C	Sony, 124 minute DAT	†BSW Price ea. $7.78

MINIDISC

BSW carries high-quality recordable MiniDiscs.

MD74MEM	Memorex with individual sleaves	†BSW Price ea. $2.41
MD74MEM20	box of 20, five colors, no sleave	†BSW Price $38.79
MD74	HHB	†BSW Price ea. $4.62

REEL-TO-REEL

BSW carries a full selection of high-quality recordable Ampex reel-to-reel tape in full cases. 10% discount available on 10.5" pancakes and reels when purchased in boxes of 10 and on 7" reels in boxes of 40.

45617611T	1/4" x 2500'	10 1/2" pancake	†BSW Price ea.	$16.76
456151111	1/4" x 1200'	7" plastic reel	†BSW Price ea.	$11.56
45617311J	1/4" x 2500'	10 1/2" metal reel	†BSW Price ea.	$30.62
40617613T	1/4" x 2500'	10 1/2" pancake	†BSW Price ea.	$13.32
406151131	1/4" x 1200'	7" plastic reel	†BSW Price ea.	$9.60
40617313J	1/4" x 2500'	10 1/2" metal reel	†BSW Price ea.	$24.67

Don't See What You Need? Just Call Us!

800 • 426 • 8434 **www.bswusa.com**

†Prices current at time of printing but are subject to change throughout the year. Please verify pricing before ordering.

TASCAM

DAP-1 - Digital Audio Recorder

Take the quality and features of a professional studio DAT into the field with the DAP-1. **Features:** high-impact metal reinforced casing; supports 32, 44.1 and 48 kHz sampling rates; quick-charge battery system with 2 hour record/play time; switchable phantom power; switchable mic limiter and 20 dB pad; balanced XLR mic/line and unbalanced RCA line inputs; unbalanced RCA outputs; S/PDIF digital I/O with SCMS free recording. **Options:** CB-D1 external charger; CS-D1 carrying case.

DAP1	Mfr. List $2,060.00	Call For BSW Price

EVENTIDE

VR204/VP204 - Digital Audio Logger

This four-channel digital logger is extremely easy to use, and because of its superior audio quality and low cost, is the perfect logging tool for radio stations in any market. **Features:** records more than 500 hours (20+ days), divided among up to 4 channels, on a single DAT tape; built-in hard disk memory module which allows continuous recording while the tape is playing back an earlier segment, or even if the tape runs out (when the tape resumes recording, the content of the hard disk is transferred to tape, maintaining the complete recorded log); built-in passcode security matrix; up to 4 special event flags that allow you to mark and retrieve important segments as they are recorded. VP204 is a play-only model that is ideal for the GM's or PD's desk or for the group's main office. Both the VR204 and the VP204 can play back any of the 24 channels recorded on an Eventide VR240.

*VR204	Mfr. List $7,495.00	Call For BSW Price
*VP204	Mfr. List $6,295.00	Call For BSW Price

DIGITAL AUDIO TAPE (DAT)

DAT MEDIA - See Page 53

BSW carries digital audio tapes. Please see our list of all recordable media on page 53.

360 SYSTEMS

TCR4™ - Multitrack Hard Disk Recorder

Tired of maintenance headaches and costs associated with DAT recorders? Relief is here – no heads to maintain, no tape to break and lightning fast random access to all recorded audio. TCR4's jog/shuttle, scrub and auto-locate features beat the performance of analog and digital tape machines. It comes out of the box ready to go, with standard XLR connections for analog and digital audio, LTC, VITC, sync references (word clock, AES, video), GPI/O, P2 (9-pin VTR emulation) and remote control ports. Looking for an "audio VTR"? TCR4 also makes a perfect low-cost replacement for videotape machines that are tied up doing audio transfers. The TCR4 now also includes DVD-RAM!

TCR4	with 9GB int. hard disk & 250MB Zip® & DVD-RAM	Call For Current Price
TCHD18	18GB internal hard disk option	Call For Current Price
TCHD36	36GB internal hard disk option	Call For Current Price
TCHD50	50GB internal hard disk option	Call For Current Price
*DF-1	drive frame kit for removable hard disk	Mfr. List $395.00
DC109	9GB removable hard disk w/carrier	Call For Current Price
DC118	18GB removable hard disk w/carrier	Call For Current Price
*DC136	36B removable hard disk w/carrier	Call For Current Price
*DC150	50B removable hard disk w/carrier	Call For Current Price

Call For BSW Prices

DIGICART®/II PLUS - Digital Audio Hard Disk Recorder

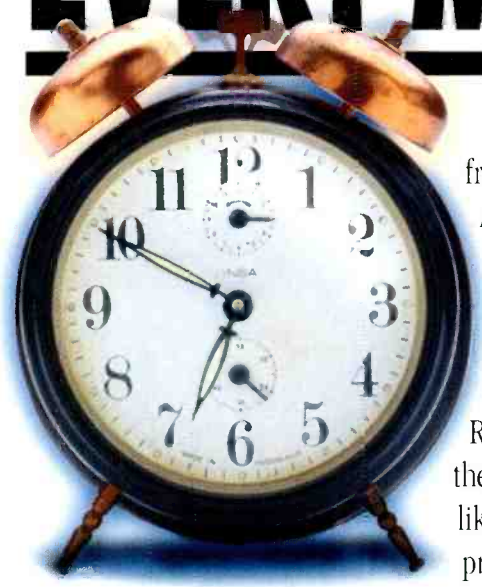
360 Systems DigiCart/II Plus set the standard for cart replacement in television broadcast and radio production applications, featuring amazing performance options as well as a wide range of control choices. **Features:** flawless digital recording, either in linear mode or with Dolby AC-2 data reduction for extended times; stores up to 50 hours of stereo audio on internal hard disks and up to 48 minutes on each removable Zip® disk; expand storage with outboard Hard Disk System enclosure for up to 148 hours of on-line, random access audio; playback options range from locate and play of a single cut to automated play lists; RS-422 interface for TV master control automation; playlists range from simple strings of cuts selected on-the-fly to complex groups of linear or rotating stacks linked together; back-to-back playback of audio cuts is absolutely seamless; cuts can be cued up while a cut is being played back; non-destructive editing of heads, tails, fades and gain; balanced XLR analog I/O; AES/EBU and IEC-958 II digital I/O; GPI/O; RS-422; ext. sync reference; D-NET File Transfer Network for high-speed transfers of audio files between machines. The standard DigiCart/II Plus (D-2730) includes 24 hours hard disk storage and a built-in Zip drive.

D2730	DigiCart/II Plus	Mfr. List $4,495.00
HD3000	3GB hard disk for additional storage	Mfr. List $395.00
HDS-01	external HD enclosure houses 5 HD-3000	Mfr. List $995.00
GBTPDC	Gig Bag padded travel bag for DigiCart	Mfr. List $105.00
RC220	full-function remote	Mfr. List $795.00
RC210	play-only remote	Mfr. List $645.00
RC205	mini-keyboard remote	Mfr. List $130.00

Call For BSW Prices

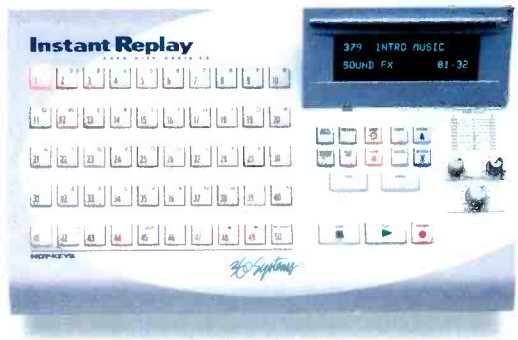
* Non-inventory item subject to return restrictions.

WAKE UP TO THE #1 MORNING TEAM IN EVERY MAJOR MARKET.



Morning radio should be fresh, alive and spontaneous. And 360 Systems' Morning Team works with you to make it happen.

Wake up your audience and grab them with Instant Replay. All of your best bits are there when you need them — like having 50 cart machines pre-loaded and ready to fire.



Instant Replay®

24 hours of your best audio clips, quips and sound effects, right at your fingertips.

With the Short/cut Editor, you won't drop a beat when you're editing calls, interviews and promos. It's the fastest, easiest two-track audio editor a jock ever rocked a scrub-wheel on. No tape, no computer hassle and no "learning curve"— anyone can use it, and everyone will.

Short/cut™ Editor

Everything you need to get your hottest phone calls edited and on-air in record time.

Timing is everything in live radio and this team helps keep the show moving.

Sound good to you? Save your sanity and let your on-air personalities go crazy.

Morning radio was meant to be fun, and the 360 Systems Morning Team will help you keep it that way.

We're with you every morning.

To Order Call BSW 1 • 800 • 426 • 8434

BSW Advantage Partner

1-year extended warranty! Extensive on-site inventory
Factory-certified sales representatives

360 SYSTEMS

SHORT/CUT™ EDITOR - Broadcast Audio Editor

Short/Cut Editor replaces two-track reel-to-reel tape machines for fast editing of single or dual channel audio. It offers all the features you'll need to capture and edit audio for talk radio, call-in clips, news actualities, promos and spots. **Features:** familiar tape recorder interface; high-resolution waveform display; real-time editing including cut, copy, insert, erase; insert record; crossfades; fade-in/fade-out; gain changes and ramping; one-touch instant record captures incoming audio in any mode; title and cut select with built-in keyboard; assign cuts or edited clips to 10 Hot-Keys™ per Directory; 10 Directories with password-protect; internal hard disk stores 4 hours of audio; optional external Zip® drive for low-cost copies and archival; reads and writes .WAV, .BWF and .AIFF files on MAC or PC disks; weighs only 12 pounds (with built-in speakers, headphone amp and a mic level input, it makes a very portable workstation); built-in D-NET File Transfer Network capability lets you transfer finished audio to DigiCart/IIs and Instant Replays; balanced XLR analog I/O (left channel input is switchable mic/line level); AES/EBU digital I/O; IEC-958/II input; D-NET output.

SC1803	Short/cut Editor w/ 4 hrs internal storage	Mfr. List $3,495.00
GBTPSC	Gig Bag padded travel bag for Short/cut	Mfr. List $110.00
SCZIPDRVE	External Zip drive option	Mfr. List $199.00

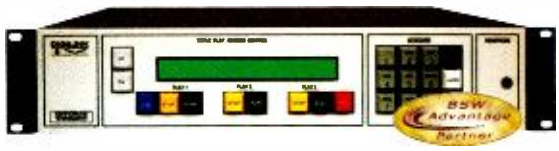
Call For BSW Prices

INSTANT REPLAY® 2.0 - Hard Disk Player

360 Systems Instant Replay is the original morning-show Hot-Keys™ player for sound effects and music beds. This rugged, professional-quality digital audio hard disk recorder/player gives instant access to a vast library of recordings ranging from a split second to almost unlimited duration. **Features:** stores up to 1,000 audio cuts of various lengths; records with a "start on audio" feature for tight starts; built-in keyboard locates cuts by name/number; ten banks of 50 Hot-Key buttons (find a cut by typing its name or ID number, or, if it has been assigned to one of the 50 Hot-Keys, just hit its associated key for absolute instant access); internal hard disk stores over 24 hours of random access audio; external port for outboard removable disk drives to expand storage and archival options; printer port with printout options for cut lists, bank maps, playlists and legend overlays to label Hot-Keys; built-in D-NET File Transfer Network capability lets you transfer audio files, including the cut names and running times to DigiCart/IIs or other Instant Replays; balanced XLR analog I/O; AES/EBU digital I/O. **Playback Features:** simply press a Hot-Key to play a cut – audio starts instantly; when the cut is finished the audio is instantly re-cued; jump from one cut to another with completely seamless transitions; audio cuts can also be selected as part of a play list for sequential playback; different play lists can be stored for each of the 10 banks, and can be recalled for playback or editing at any time; loop function causes a cut to play back continuously and seamlessly. The standard Instant Replay (DR-552-24) includes 24 hours of internal digital audio storage. **Options:** Gig Bag (GPTPDC $115.00 Mfr. List).

DR55224	Mfr. List $3,250.00	Call For BSW Price

ARRAKIS

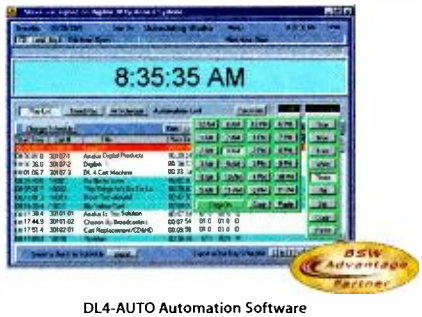


DIGILINK IV - Digital Audio Storage/Automation Systems

The Digilink IV is an award-winning series of digital audio workstations designed for professional broadcast applications. Not a failure prone PC computer with a sound card, the DL4 is a dedicated digital audio record and playback jukebox that stores audio on high-quality SCSI hard disk. As a hard disk audio jukebox, the DL4 is not subject to viruses, network crashes, software conflicts, and other PC related problems. The built-in audio switcher for satellite and other sources and the logic control for console and satellite interface make the DL4 ideal for Live On-Air cart machine replacement, Hard disk automation and Satellite automation. Because the DL4 features 3 or 6 playback outputs and 1or 2 Record inputs, a single DL4 workstation services as many as two On-Air studios and two Production/Scheduling studios from a single audio library. There is therefore no need for delay between Production and On-Air playback as found in computer based systems that must produce a spot in one studio and network transfer it to the Air studio. If there is a need to move an audio file from a PC to the DL4, the DL4 features a simple transfer utility. Because the DL4 has BOTH analog and digital inputs and outputs, the DL4 can be easily integrated into any existing studio.

With your audio secure in the DL4 hard disk jukebox, the workstation may be controlled in a number of ways to get audio to Air. The DL4 features an optional LCD control panel for local or remote control of record and playback, similar to a familiar cart machine.

Windows-based PC computers may run Arrakis software for Scheduling, Production, Live Air, Automation and Logging. Without the audio locked inside the computer, a PC makes an excellent control device. If the control PC fails, the DL4 workstation will continue to play to Air.



DL4-AUTO Automation Software

Arrakis Windows 95/98/NT control software features Voice tracking/Voice overs, Phoner recorder/editor, Jingle box, Cut and Splice MPEG editor without transcoding, sophisticated scheduling system and Logging, and much more.

The DL4-AUTO automation software shown above provides automated/semi-automated control for live assist On-Air play, hard disk automation and satellite automation including features such as a jingle box, phone editor and scheduling capabilities.

continued next page

* Non-inventory item subject to return restrictions.

ARRAKIS

DL4-SCHED Scheduling Software

DL4-SCHED scheduling software allows manual scheduling, importing of traffic schedules, importing of music schedules, timed recording schedules with full play logs. In addition to scheduling functions it provides facilities for audio recording and PC audio file transfer plus the ability to do voice tracking, phoner editing and seque editing.

Flexible, reliable, powerful, and easy to use, the DL4 workstation is an ideal choice for a complete radio station from Scheduling to Production to Air.

DL4-STD-2 - Dual Studio System

On-Air & Production/Scheduling studios:
(1) DL4 Workstation with 3 Play, 1 Record, 105 hours audio; 7-input play switcher; 7-input record switcher; (1) Automation Software (for On-Air studio); (1) Scheduling Software (for Production/Scheduling studio)

DL4STD2 **Mfr. List $7,995.00** **Call For BSW Price**

DL4-STD-3 - Triple Studio System

On-Air 1, On-Air 2, & Production/Scheduling studios:
(1) DL4 Workstation with 6 Play, 2 Record, 105 hours audio; (2) 7-input play switchers; (2) 7-input record switchers; (2) Automation Software sets (for On Air studios 1 & 2); (1) Scheduling Software (for Production/Scheduling studio)

***DL4STD3** **Mfr. List $16,995.00** **Call For BSW Price**

DIGILINK III - Digital Audio Storage/Automation Systems

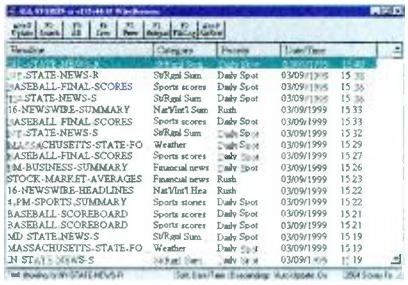
Arrakis Digilink III is a multipurpose digital audio workstation for satellite and hard disk automation as well as on-air or live assist applications and audio production. With four times the power of the #1 selling Digilink II, Digilink III offers the most power and features of any workstation of its type in radio today. **Features:** two separate audio outputs and the ability to triple play and record; works with all satellite services and DL4 interface; ideal for hard disk automation; 40 clocks and 40 jocks; 1500 timed records per week; smart squeeze and auto fill adjust sets to match break times; powerful live assist feature.

Basic systems feature specified stereo audio storage, a VGA color monitor, keyboard and mouse. Trak*Star editing software included.

***DL3-78**	78 hr system	**Mfr. List $9,995.00**
***DL3-150**	150 hr system	**Mfr. List $11,995.00**

Call For BSW Prices

WIREREADY NSI



NEWSREADY32 - News Room Software

NewsReady32™ is a cutting edge, 32-bit Win95/NT newsroom system based on the original NewsReady and RadioReady Systems used by over 2500 radio stations. It integrates and organizes your wire services, news scripts, phone contacts, school closings, and audio bits all on the same screen and offers built-in word processing and audio editing. Digitally record and edit all your phone bits and automatically time-record all your satellite actuality feeds. Use with all Windows-compatible sound cards. Requires Pentium computer with Win95 or WinNT, 32 MB of RAM; 17" or larger monitor strongly recommended. Can run stand-alone, or multi-user on a LAN. LANs require a customer-supplied Windows, NT or Linux-based server. Includes 1-year of 24-hour 800# support and a free upgrade through manufacturer. Training, installation and maintenance packages also available.

NewsReady32 is now used by Clear Channel stations from coast to coast.

***WRNEWS32-1ST**	1-user software pak	**Mfr. List**	**$2,495.00**
***WRNEWS32-ADDL**	additional-user pak	**Mfr. List**	**$1,295.00**
***WRNEWS32-10PK**	10-user pak	**Mfr. List**	**$12,995.00**
***WRNEWS32-25PK**	25-user pak	**Mfr. List**	**$17,995.00**

Call For BSW Prices

MUSICREADY - Music On Hard Drive Software

Simple and affordable, MusicReady™ software lets stations record and store hundreds of songs, commercials, IDs, liners and other audio files on standard IDE or SCSI hard drives. Software package (SOMR1) includes audio cards. **Features:** supports multiple hard-drives; simultaneous play, record, overlap, crossfade and voice track with 3 audio cards.

The MusicReady system runs on standard Pentium Win95/98 computers with 128MB RAM and ample drive space. If supplying your own computers, call WireReady for slot/setup requirements. WireReady-built workstations feature rack-mounted industrial-class cases, field-upgradeable slide-in motherboards, up to 17 card slots and 10 drive bays, and come standard with a minimum of 25 GB of drive space, Win98, PIII, CPU, 600 watt UPS, 17" monitor, mouse, modem and keyboard.

All systems are pre-built and fully tested at the factory and include one year unlimited 24-hour 800# support, free parts replacement and dial-in setup and training.

***SOMR1**	MusicReady software/cards	**Mfr. List**	**$5,995.00**
***WRMRTK1**	workstation package	**Call For Current Price**	

Call For BSW Prices

* Non-inventory item subject to return restrictions.

DENON

DN-M1050R - MiniDisc Recorder/Player

Denon's DN-M1050R recorder allows you to take maximum advantage of the MD format. **Features:** front panel control input for PC keyboard; auto level record start; auto track detection; U-TOC writing; excellent editing functions (divide, erase, combine, move, track name, disc name and undo); track search select knob; jog/shuttle wheel with 1 frame precision; 25 track program play; instant start; play modes including continuous, single & A-B; auto cue; ± 9.9% pitch control in .1% increments; external control terminals (RS-232C/422A switchable, D-Sub 9 pin & D-Sub 25 pin); defeatable SCMS coding; balanced XLR analog I/O, unbalanced RCA analog I/O, AES/EBU digital I/O and S/PDIF digital I/O. **Options:** Hot Start kit for up to 20 tracks (available via third-party manufacturer).

DNM1050R **Mfr. List $1,999.00** **Call For BSW Price**

DN-045R - MiniDisc Replicator

This unique machine performs digital-to-digital MD dubs, bypassing the ATRAC compression circuit and preserving the quality sound of the original MD. **Features:** automatically defragments data from a fragmented disc so the dubbed copy will have a single, uninterrupted string of data; dubs can be made up to 3.5 times faster than real time; Windows® software is provided to allow MDs to be edited during replication through the RS-422A/232C serial interface board. Note: This machine does not record from an external audio source. Internal dubbing only.

***DN045R** **Mfr. List $4,200.00** **Call For BSW Price**

DN-M2000R - MiniDisc DJ Recorder/Player

The DN-M2000R minidisc machine for disc jockeys provides a wealth of useful features, such as a slider that controls BPM to a maximum of ±8%, a Pitch Bend function that controls the beat, a seamless loop playback function and 5-track Hot Start play. **Features:** jog dial search by frame or second; Auto Cue; Hot Start for up to 5 tracks; A-B seamless loop; pitch control in .1% steps up to 8%; instant playback; program play up to 25 tracks; instant recording; Auto Track Increment; UTOC writing; editing functions such as divide, combine, move and erase; headphone output; unbalanced RCA analog I/O; S/PDIF digital I/O.

DNM2000R **Mfr. List $999.00** **Call For BSW Price**

DENON

DN-M991R - MiniDisc Recorder/players

For state-of-the art recording and playback, the new DN-M991R cart-style MiniDisc machine from Denon offers everything the broadcaster could want, including exacting playback functions and the highest quality audio. **Features:** Hot Start function (load up to 10 tracks into memory); program play with up to 25 tracks; shock memory; keyboard terminal for remote operation and titling; auto level record start; auto track increment (digital or analog); Pre-UTOC function for saving your recordings in case of power failure; relay recording for continuous recording to another DN-M991R; records stereo or mono (74min stereo,148 min mono); editing capabilities that include 2 levels of undo and redo; SCMS option (on/off); rotary track selector knob; instant start (less than 0.01sec); auto cue to music; single/all repeat; selectable pitch (±8%); cue search (up to 5 cue points per track); 86 frames per sec. for precise cueing/editing; fader start/pause; user adjustable presets; headphone jack; balanced AES/EBU digital I/O; balanced XLR analog I/O; parallel remote port, 25pin D-sub; RS-232C/422A serial port w/termina-tor switch. **Options:** wired remote.

DNM991R **Mfr. List $2,300.00** **Call For BSW Price**

SONY

MDS-E11 - MiniDisc Recorder/Player

At only 1U high, the MDS-E11 is a professional unit ideal for a broad range of applications, from producing demo discs to on-air use. **Features:** Wide Bit Stream technology with digital processing of 20 bits for higher quality record-ings with a wider dynamic range; precise sampling rate converter; automatic pause function (useful for playing back narrations or sound effects one by one); long-duration record/play by connecting multiple units; fader start; wireless remote (optional wired remote via Control S, RS-232C and parallel ports); fully-featured TOC editing; balanced XLR and unbalanced RCA analog I/O,coaxial digital I/O.

MDSE11 **Mfr. List $870.00** **Call For BSW Price**

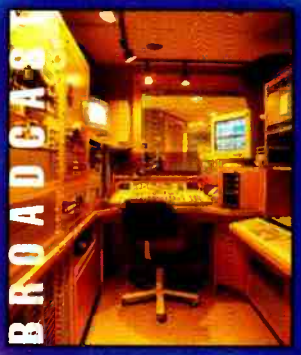
MDS-E58 - MiniDisc Recorder/Player

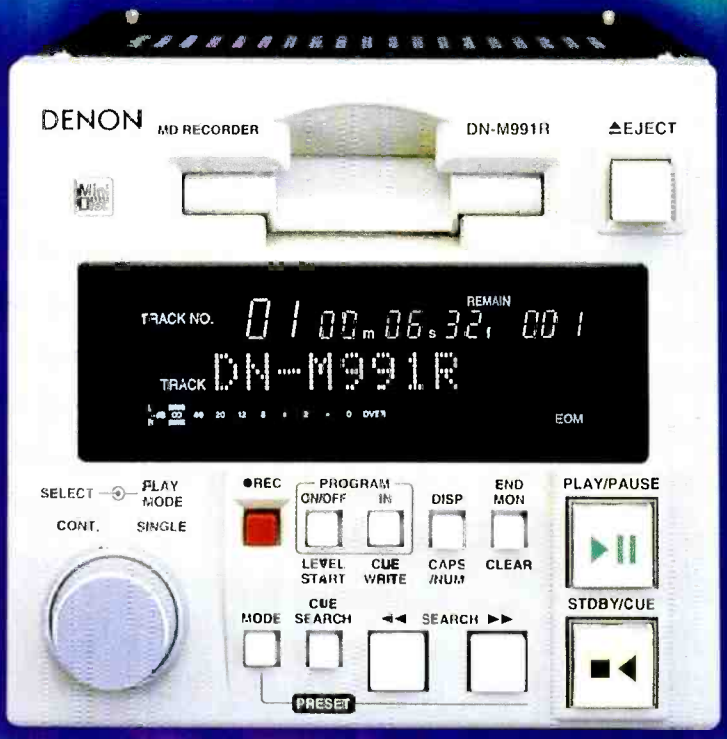
The MDS-E58 is a low-cost MiniDisc stereo recorder suitable for budget-conscious applications, but it still features both analog and digital I/Os, remote control and many other necessities. **Features:** Wide Bit Stream technology; sampling rate converter using 18-bit processing; fully-featured TOC editing including undo, divide and combine; infrared wireless remote (optional wired remote via Control S port); unbalanced RCA analog I/O, coaxial and optical digital I/O.

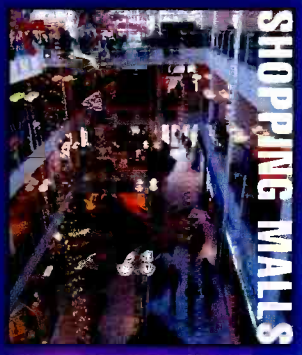
MDSE58 **Mfr. List $550.00** **Call For BSW Price**

* Non-inventory item subject to return restrictions.

The Versatility Of MiniDisc







HOT 10 START

Introducing the new Denon DN-M991R MiniDisc recorder/player. MiniDisc is the most versatile media available for archiving program material for playback in a variety of applications including broadcast, theme parks, theatres and shopping malls, among others. The DN-M991R offers all the features and functions that engineers have asked for, such as a large and easy-to-read florescent tube display with multiple readouts, Hot Start, keyboard entry, seamless Sleep mode, front-panel Program Play and a variety of control terminals including RS-232C, RS-422A, D-Sub 25 pin and PC-compatible Mini Din keyboard connector. For additional information, contact BSW at 1 800 / 426 / 8434.

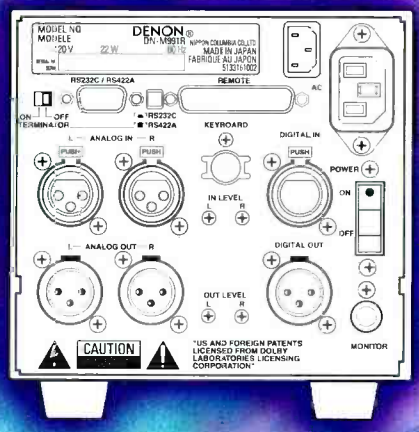
BALANCED INPUTS/OUTPUTS

KEYBOARD ENTRY Q W E A S

±8% PITCH

RES/EBU IN/OUT

- 10 Hot Starts
- Instant Start
- Auto Cue
- Multiple Display
- Seamless Sleep Mode
- +/- 8% Playback Speed Control
- Program Up To 25 Tracks
- Multiple Editing Functions
- Rotary Track Selector
- Relay Recording
- Auto Level Rec Start
- Optional Wired Remote RC-650



DENON

The First Name In Digital Audio

Denon Electronics Division of Denon Corporation (USA), 222 New Rd., Parsippany, NJ 07054
Denon Canada, Inc., 17 Denison St., Markham, Ontario, Canada L3R 1B5
Labrador, S.A. de C.V. Zamora No. 154, 06140 Mexico, D.F.

SONY

MDS-B5 - MiniDisc Recorder/Player

Sony's third-generation studio MD machine sets a new standard for professional performance. **Features:** Direct Duplication Link allows you to make a complete copy of compressed signals at high speeds. It is also effective for eliminating fragmentation on heavily edited discs; RAM-TOC edit lets you save your edited recording to a master disc and also conduct temporary editing of a pre-mastered disc; recording times of up to 148 minutes (mono); machine can be controlled via supplied wired remote commander, an IBM keyboard, RS232C, GPI and more; "hot start" up to 10 tracks by using the supplied remote commander, PC keyboard or parallel remote port; ±12.5% vari-speed; balanced XLR analog I/O; AES/EBU and S/PDIF digital I/O. The Sony MDSB6P is a play-only machine.

MDSB5	**Mfr. List $3,450.00**	**Call For BSW Price**
MDSB6P	**Mfr. List $2,300.00**	**Call For BSW Price**

MDSJE630 - MiniDisc Recorder/Player

Sony's low priced rack-mountable MiniDisc recorder just got better. Introducing the MDS-JE630, featuring a PC keyboard input for typing disc and track names as well as a high-resolution 24-bit A/D converter. **Features:** undo editing and A-B erase for even greater editing control; CD text and custom file transfer; jog dial for split-second track access; digital record level control makes possible fade-in/fade-out playback and recording; playback pitch control; time shift recording; front panel headphone jack; remote control (included) has 25-key direct access track selection; unbalanced phono jacks; optical and coaxial digital I/O; optional RK7 rack kit.

MDSJE630	**Mfr. List $360.00**	**Call For BSW Price**
RK7 rack mount kit	**Mfr. List $42.95**	**Call For BSW Price**

TASCAM

MD-801RMKII - MiniDisc Recorder

The MD801RMKII is a 3U rack-mountable recorder incorporating a "jog" dial and is capable of editing increments as fine as 1/86th of a second. Combined with the ability to move, insert, combine and divide segments of program material, this unit is an extremely versatile, self-contained editing station. **Features:** Word Sync IN/THRU; On-board Fs converter; analog output trim control; 20-bit A/D and D/A converters; End of Message (EOM) notification; defeatable SCMS encoding; up to 12 track instant playback; link function for multi-unit operation; equipped with IF-8FR remote connector; XLR balanced and RCA unbalanced analog I/O; digital AES/EBU and S/PDIF I/O; RS232C serial and parallel interface.

MD801RMKII	**Mfr. List $2,699.00**	**Call For BSW Price**

TASCAM

MD-301MKII - MiniDisc Recorder/Player

Tascam's popular MD-301 just got better. Now in its second generation, this MiniDisc recorder features 20-bit A-D/D-A converters; sample rate conversion facility for digital inputs; monaural recording mode, front panel keyboard connection (PS/2) and XLR balanced analog inputs/outputs (plus RCA I/O). Conveniences for the broadcaster also abound on the MD-301MKII. There are timer record/play, auto track and sync record functions and many program play options. Editing is easy with divide, combine, erase, move, title and undo. The MD-301MKII boasts a signal-to-noise ratio (playback) of better than 94 dB and the low total harmonic distortion rate comes in at less than 0.013%. It also features an ATRAC (Adaptive Transform Acoustic Coding) compression system. Wireless remote control is included.

MD301MKII	**Mfr. List $499.00**	**Call For BSW Price**

MARANTZ

PMD650 - Portable MiniDisc Recorder/Player

The PMD650 has been designed from the ground up as a professional portable MD recorder. The PMD650 offers a full complement of analog and digital I/Os to suit a wide variety of applications. The coaxial digital input with sample rate converter can be used to record from digital sources with sample frequencies of 32, 44.1 and 48 kHz. An XLR digital output (S/PDIF) offers the flexibility to transfer the recorded digital data to other professional equipment. The PMD650 also includes the latest generation mechanism and a 20-second stereo recording buffer. **Features:** balanced XLR stereo microphone inputs equipped withprofessional-level mic preamps; switchable 48-volt phantom power; mic inputs switchable to line level; built-in microphone and loudspeaker; edit and playback functions.

PMD650	**Mfr. List $1,399.00**	**Call For BSW Price**

SONY

MZ-B3 - Portable MiniDisc Recorder/Player

The MZ-B3 makes getting high quality interviews or actualities a snap. **Features:** high-quality built-in mic, a mic input jack is included for use with an external mic; automatic date and time function; voice activated recording; built-in speaker; headphone jack and high speed playback allow for quick reviewing of audio in the field; stereo or mono recording (74 minutes stereo – 148 minutes mono); supplied remote control; uses 3 "AA" batteries or optional rechargeable battery; supplied AC adaptor; unbalanced mic level stereo mini jack input; unbalanced stereo mini jack output; optical digital input. **Options:** rechargeable batteries; battery charger; optical digital cable; IC4S XLR to mini jack mic cable; KEB20 carrying bag.

MZB3	**Mfr. List $899.99**	**Call For BSW Price**

MD Performance

Top quality recording products from Sony, the first name in MiniDisc®

Call BSW at
1 • 800 • 426 • 8434

MDS-E11 – Streamlined MD Recorder with Professional-Level Inputs

At only 1U high, the MDS-E11 is ideal for a broad range of applications, from producing demo discs to on-air use. Features include: 20-bit processing for higher quality recordings; fader start for on-air playback; automatic pause function for playing back narrations or sound effects one by one and fully-featured table-of-contents editing. A wireless remote (optional wired remotes available) is included and connections are balanced XLR and unbalanced RCA analog I/O, plus coaxial digital I/O.

MDS-E58 – Sony's Economical Professional MiniDisc

The MDS-E58 is a low cost stereo MD recorder suitable for budget-conscious applications, yet it still features both analog and digital I/Os; TOC editing; remote control and many other broadcast necessities. Unbalanced RCA analog I/O, coaxial and optical digital I/O.

MDS-JE630 – Now with "Keyboard Input" for Easy Text Editing

Sony's low priced rackable MD recorder just got better with a PC keyboard input for typing disc and track names as well as a 24-bit A/D converter. Rack mount kit sold separately.

MDS-B5 – Superior Audio Performance

Sony's industry standard MDS-B5 recorder/player and MDS-B5P player offer the "big market" performance you seek, with the durability to last for years. Features include RAM-TOC editing; PC keyboard input and RS232 interface; next track select and variable speed control.

MZ-R55CG – Super Compact and Lightweight

Sony's MZ-R55CG is the most portable yet. Smart features include a wired remote control, sample rate converter and 40 seconds of shock resistant memory for skip-free playback. Headphones included.

MZ-B3 – Portable Powerhouse Recorder

The MZ-B3 has been proven reliable by thousands of journalists. It offers a built-in microphone plus a mic input jack for use with external mics; automatic date/time function; voice-activated recording; high-speed playback; stereo or mono recording; remote control; AC adaptor and more.

SONY®

SONY

MZ-R55CG - Portable MiniDisc Recorder/Player

MZ-R55CG's superior audio quality and ultra-compact design make it a natural for recording in the field. **Features:** sample rate converter that allows recording from other media such as DSS, DAT and CD; digital synchronized recording capability; vertical jog dial for easy editing; track name search/select with jog dial; 40 seconds of shock resistant memory for skip-free playback; extended playback (up to 22 hours with rechargeable batteries); stereo headphones with handheld remote control; date/time stamp function; optical digital input; stereo minijack mic input and line output. **Options:** IC4S XLR to mini jack mic cable; KEB20 carrying bag.

MZR55CG	Mfr. List $399.95	Call For BSW Price

PMI

MD REPORTER/MD REPORTER JR - Portable Power Supply

The MD Report offers an easy professional upgrade for your portable MiniDisc or DAT recorder. Simply drop in your portable device, connect it with the supplied harness, and your portable is now able to operate at a professional level with high-quality XLR mic preamps, built-in monitoring speaker and rechargeable lead acid battery. The heavy-duty metal chassis protects your recorder and it even comes with a strong shoulder strap for packing around. **Features:** two balanced stereo inputs on Neutrik XLR connectors; 48-volt phantom power; adjustable mic gain; balanced XLR summed mono line output (MD Report only); headphone amp with level control and more.

MD Junior is a smaller version minus some functions including the battery pack and monitoring speaker.

MDREPORT	Mfr. List $699.00	Call For BSW Price
MDJR	Mfr. List $379.00	Call For BSW Price

MINIDISC

MINIDISC MEDIA - See Page 53

BSW carries MDs individually or in bulk. Please see our list of all recordable media on page 53.

SONIFEX

COURIER - Portable Hard Disk Recorder

Courier is a compact, digital audio recorder that uses removeable PCMCIA disks (PC cards) to store from 11 minutes to 18 hours of high quality digital audio. **Features:** recordings can be uncompressed (.wav) or MPEG layer II compression; confidence monitoring; autolock for continuous recording; uses standard rechargeable camcorder-type batteries (adaptor/charger included); two mic/line level inputs (stereo or dual mono) with level control; LED display; built-in audio transfer via standard telephone lines or optionally via ISDN at up to 64 kbps (model COISDN); on-board non-destructive editing capabilities. Memory cards sold separately.

*COSTD	Mfr. List $2,675.00	Call For BSW Price
*COISDN	Mfr. List $3,750.00	Call For BSW Price

360 SYSTEMS

TRC8 - Multitrack Hard Disk Recorder

For pros that know the difference – this high-end 8-track hard disk recorder comes loaded with all the extras and delivers top-of-the-line sonic quality. Made by 360 Systems, the originators of rugged hard disk recorders for broadcast, the TCR8 offers true 24-bit audio performance for outstanding recordings. It comes with a complete set of synchronization and VTR emulation options; and an intuitive front panel design that makes setup easy. **Features:** large display with cut titles, status indicators and detailed menu prompts; supports all frame rates in both NTSC and PAL formats; sample rates extend from 44.1 kHz to 96 kHz; standard internal hard disk provides 2 hours of 8-track recording (optional drives can extend storage capacity to over 96 hours of track time); includes balanced XLRs for analog I/O; AES/EBU digital I/O; LTC and VITC; sync to word clock, AES black, or video reference signals; RS-422 P2 protocols for VTR emulation (emulates BVW-75, DVW-500 and PCM-7040); GPI/O; control I/O for keyboard titling and multi-machine remote control. **Production/Editing:** cut-copy-insert editing with tape-style scrub; jog/shuttle; auto locate; auto punch; read-modify-write; varispeed; crossfades; offsets; individual track slip; and more. **Storage:** supports hard disks of unlimited size; current internal hard disk options range up to 50 gigabytes for total recording times in excess of 12 hours for 8 tracks at standard broadcast 48 kHz sample rate. For recording on the go, check out the front panel drive bay, which supports high-density SCSI removable disks and hard disks. Rear panel SCSI allows use of external drive arrays. A 250 MB Zip® drive is included for economical storage, and can be used to load software upgrades received via e-mail downloads. Note: the TCR8 now also includes DVD-RAM!

TCR8	with 9GB int. hard disk & 250MB Zip® & DVD-RAM	Mfr. List $5,995.00
TCHD18	18GB internal hard disk option	Call For Current Price
TCHD36	36GB internal hard disk option	Call For Current Price
TCHD50	50GB internal hard disk option	Call For Current Price
DF-1	drive frame kit for removable hard disk	Mfr. List $395.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

ALESIS

ADAT-XT20/ADAT-LX20 - Multitrack Recorder

The Alesis ADAT-XT20™ offers a new standard in audio quality while remaining completely compatible with the huge foundation of 100,000 ADATs in use worldwide. Using ADAT Type II, the modular digital multitrack recording format that writes 20-bits to tape, the XT20 records 8 tracks of true, linear 20-bit digital audio onto tape (16 times more detailed than the 16-bit sound of compact discs), without using external converters or multiplexers. **Features:** intelligent software-controlled tape transport; familiar track copy, tape offset and track delay functions; 20-bit, 128-times oversampling D/A converters; onboard 10-point autolocation system, automated punch in/out; compatible with ADAT Type I (16-bit); six-pound die-cast aluminum chassis; balanced analog I/O via 56-pin ELCO connector; unbalanced RCA analog I/O (x8); optical digital I/O; optional remote controller (BRC).

ADAT-LX20 provides an economical solution for capturing the power of the ADAT format. It offers the same 20-bit ADAT type II digital recording format as the XT20, but lacks some of the high-end control features such as the 10-point autolocation system (ADAT-LX20 offers 5 locate points, etc.)

ADATXT20	Mfr. List $2,599.00	Call For BSW Price
BRC	Mfr. List $1,499.00	Call For BSW Price
ADAT-LX20	Mfr. List $1,899.00	Call For BSW Price

Available in North America only

FOSTEX

VR800 - Multitrack Recorder

If you're looking for the ultimate in digital recording affordability, check out the VR800 digital multitrack from Fostex. Small, compact, yet incredibly powerful, it's the ideal partner for any digital mixing console, offering simultaneous recording of 8 tracks to the media of your choice via the ADAT optical interface. The VR800 has the ability to record at 16 bits with a sampling frequency of 44.1kHz across all of its 8 tracks. But one of the great things about the VR800 is that you're not limited to just 8 recording tracks. You get 24 uncompressed tracks in all. With this type of power you can record different versions, then choose which of the 8 tracks you wish to record or play back. The VR800 uses a digital non-linear recording system, so non-destructive Copy Paste, Move Paste and Erase functions are available, along with Undo/Redo commands. A handy preview feature enables you to repeatedly listen to data 1 second before and after any locate point. Ease of editing is also aided by the ability to display scrubbed audio graphically, making intricate "on-the-fly" edits simple. Handy locate tools include Auto Locate, Auto Return/Play and Auto Punch In/Out. A built-in metronome with eleven signature types, tempo control and MIDI clock output means your recordings will always be in time. And in addition to supporting MTC, MMC and Fostex System Exclusive Message, the VR800 also features Word Out for high-precision synchronization with external devices. Finally, your chosen media can be split into 99 "virtual reels" each with their own characteristics such as name, locate points, tempo and MIDI timing.

*VR800	Mfr. List $749.00	Call For BSW Price

FOSTEX

D-108/D-160V2 - Multitrack Recorders

Fostex D-108 and D-160V2 are the next generation of "stand-alone" digital multitrack recorders improving on the industry standard 16-bit linear recorders, the D-90 8-track and D-160 16-track machines.

Key features of the D-108 include Fostex's widely acclaimed FDMS3 disk management technology allowing, for example, up to 1,548 track minutes of 44.1kHz full-bandwidth recording on an 8.2 GB hard drive (products ship standard with 5.2 GB hard drive; 8.2 GB hard drive is optional). A total of 24 tracks are available, of which 8 can be simultaneously recorded or played back at any one time allowing you to keep multiple "takes" of your tracks. The D-108 also offers an additional 99 memory locate points in addition to the 6 memory edit points, 99 "virtual reels" and a new graphical preview function, all of which are easily displayed on the large FL display. The most innovative function is the ability to export and import the tracks of any project as PC standard .WAV files to facilitate editing, processing and sound file conversion using any popular PC-based editing software. SCSI-2 is standard, with balanced I/O and comprehensive timecode facilities available on optional plug-in cards.

D-160V2 is a 16-track machine. It also ships with a 5.2 GB hard drive.

*D108	Mfr. List $1,495.00	Call For BSW Price
*D160V2	Mfr. List $2,195.00	Call For BSW Price

TASCAM

MX-2424 - Multitrack Recorder

The MX-2424 is a revolutionary product – a 24-bit, 24 track digital audio hard disk recorder. It ships with a 9 GB internal drive, which equates to roughly 45 minutes of recording time across all 24 tracks. If that's not enough, you can slave more drives off the SCSI Wide port on the back panel, or build a drive into the front panel standard drive bay. The front panel can also be used to install an approved DVD-RAM drive for back-up, using increasingly affordable DVD-RAM media (optional). Also, the MX-2424 can record to Macintosh (SDII format) or PC (.WAV format) hard drives, allowing you to later export to the computer for other functions. The MX-2424 can provide 24 tracks of recording at up to 48kHz, or it can be switched into a 12-track 88.2 kHz or 96 kHz recorder. The analog I/O option (not included at base price) has 96 kHz converters built in, so you REALLY CAN record 24-bit, 96kHz audio right from the machine without interpolation. **Features:** unlimited virtual tracks; 100 levels of undo; non-destructive or destructive recording modes; SMPTE synchronization, Word Clock, MIDI time code and MIDI machine control; the included ViewNet MX software runs on either Mac or PC, and connects with standard ethernet lines to provide DAW style editing, as well as system set-up screens and virtual track management; AES/EBU and S/PDIF 2 channel I/O. **Options:** digital I/O cards offer 24 channels of TDIF, Lightpipe or AES/EBU I/O; analog I/O card (the analog and digital slots are separate, so the analog option and one digital option may be installed simultaneously); RC-2424 remote control.

*MX2424	Mfr. List $3,999.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

TASCAM

DA-88 - Digital Audio Recorder

Tascam's DA88 digital 8-track recorder utilizes the readily available Hi-8, 8mm tape format, offering CD quality recordings up to 100 minutes in length on a standard 120 minute tape. **Features:** rugged transport construction; rugged and reliable tape format; gapless, seamless punch in/out with advanced digital crossfading technology; variable track delay; very easy to use with large transport buttons; super fast FF/REW time (entire tape in just 80 seconds); locator jog/shuttle wheel; up to sixteen machines can be locked together for 128 tracks. **Options:** RC808 single unit remote controller; SY88 sync board provides SMPTE sync, video sync, a 9-pin RS-422 port, and MIDI machine control; MU-8824 24-track metering unit; MMC-88 MMC interface; IF-AE8 TDIF-1 to AES/EBU digital interface; IF-88SD S/PDIF digital interface.

*DA88	8 track recorder	Mfr. List $5,199.00
*RC808	single unit controller	Mfr. List $245.00
*SY88	chase sync. board	Mfr. List $920.00
*MU8824	24-track remote meter unit	Mfr. List $1,099.00
*IFAE8	TDIF-1 to AES/EBU digital interface	Mfr. List $599.00
*IF88SD	S/PDIF digital interface	Mfr. List $1,499.00

Call For BSW Prices

DA-38/DA78HR - Digital Audio Recorder

The popular DA-38 is Tascam's entry-level digital recorder with the acclaimed Hi-8 tape format. **Features:** CD quality recordings up to 100 minutes in length on a standard 120 minute tape; fully compatible with DA-88s; track copy function; built-in electronic patchbay; track advance and delay; built-in tone generator; seamless, gapless punch in/out with adjustable crossfade; 2 auto locate markers; variable pre-roll for locate and punch in; rewind and fast forward from 1/4 speed to 8x speed with rotary shuttle control; ± 6% pitch control; balanced analog I/O via D-sub 25-pin connectors; unbalanced RCA analog I/O. **Options:** RC-808 single unit remote control; MMC-38 MIDI Machine Control interface.

The DA-78HR is the world's first 24-bit modular multi-track. DTRS machines have become a standard worldwide in studios of all levels, with proven reliability, quick response, and unparallelled audio quality. The DA-78HR takes it to the next step, offering 24-bit audio and built-in time code capabilities. What's more, the built in digital mixer and on-board S/PDIF digital I/O for transfers from DAT or CD could be used for a quick mixdown, or for bouncing tracks externally. Call for information on this new high-resolution machine.

*DA38	Mfr. List $2,799.00	Call For BSW Price
*DA78HR	Mfr. List $3,199.00	Call For BSW Price

FOSTEX

FD-8 - Hard Disk Recorder/Mixer

The Fostex FD-8 hard disk recorder offers uncompromised digital recording plus something new: choices. The FD-8 gives you the freedom to choose your own optional SCSI recording media from a wide variety of removable ZIP or hard drives. **Features:** 8-channel mixing; 8 input channels, two independent recording modes (one maximizes sound quality, the other maximizes recording time); 2 aux sends, 2 stereo aux returns, 2 balanced XLR mic inputs, each with trim control; 3-band EQ per channel; 16 virtual tracks for extra takes, rehearsals, mastering, and additional choices at mixdown; digital cut, copy and paste editing with move, erase and undo/redo; digital input from 2-track source (CD, DAT, etc.) and 2-track digital output (S/PDIF optical); full MIDI control.

*FD-8	Mfr. List $899.00	Call For BSW Price

ROLAND

VS-1680 - Digital Audio Workstations

Roland's top-of-the-line audio recorder/editor/mixer redefines the music industry with 8 tracks of simultaneous linear recording and 16-track editing capability. With 16 virtual tracks for each of the 16 tracks, the VS-1680 becomes an awesome 256-track recorder! **Features:** 16 tracks of hard disk audio recording; 256 Virtual tracks to freely record different ideas and takes; 24-bit MT Pro Recording Mode for massive headroom and dynamic range; huge 320 x 240-dot graphic backlit LCD provides simultaneous level meters, play list, EQ curves, EFX settings, waveforms, and more; dedicated LED buttons and an elegant user interface for simplified operation; 20-bit A/D, D/A converters for pristine sound; EZ Routing function provides step-by-step guidance through basic recording, editing, bouncing, mixing and templates for instant settings; CD-R writing system built in (Audio CD and data backup to CD-R); 2 balanced XLR-type inputs w/ phantom power, 6 balanced 1/4" inputs and 1 stereo digital input (optical/coaxial); 8 RCA-type outputs (Master L/R, Aux.A L/R, Aux.B L/R, Monitor L/R), and 2 stereo digital outputs (1 optical, 1 coaxial) plus headphones output. **Options:** 24-bit stereo multi-effects processors (VS8F-2) provide up to 8 channels of independent effects processing (with 2 cards loaded).

VS1680HD	Mfr. List $3,195.00	Call For BSW Price
VS8F-2	Mfr. List $395.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

ROLAND

VS-880EX - Digital Audio Workstation

A truly comprehensive digital workstation, the VS-880EX handles everything from recording and editing to mixing and mastering in one very reasonably priced, compact unit. **Features:** nondestructive recording and editing with 999 levels of undo, even after conducting multiple recording/editing sessions; 18-bit A/D and D/A conversion; supports 48, 44.1 and 32 kHz sampling rates; 128 recordable virtual tracks with 8 track playback; digital editing with cut, copy, paste, move, insert and delete functions; compression and expansion without pitch change; 1,000 markers per spot/song; 8 locate points with direct access keys; two mix modes; direct input-track mode and a virtual mix mode allowing mixing of 8 recorded tracks and 6 input sources at the same time; onboard digital stereo multi-effect processors with 100 factory patches including reverbs, delays, chorus and special effects, plus 100 user programs; parametric EQ (3-band on input-track mode, 2-band on mix mode); snapshot and dynamic mixer automation built in; 2 GB internal IDE hard drive; SCSI interface for external drives; data backup to audio DAT; supports MTC and MMC MIDI sync; RCA and 1/4" unbalanced analog I/O; S/PDIF digital I/O. **Options:** VS-CDR-S2 external SCSI based CD recorder for recording directly from the VS-880EX to CD; VS-880TC hardshell carrying case.

VS880EX	w/2 GB hard drive	Mfr. List $2,245.00
VSCDRII	CD recorder w/cables & software	Mfr. List $750.00
*VS880TC	hardshell case	Mfr. List $150.00

Call For BSW Prices

YAMAHA

MD8 - Multitrack MD Recorder

The Yamaha MD8 multitrack MD recorder combines the superior audio quality and random access capabilities of the MiniDisc format with a flexible, 12-input mixer to form an extraordinary powerful multitracker. **Features:** up to 8 tracks simultaneous recording and playback; ability to ping-pong all eight tracks down to one or more tracks; 8-channel analog mixer with variable gain and 3-band EQ with mid sweep on each channel, 2 AUX sends (with stereo returns), pan and fader on all input channels; fast and accurate search and locate, precise auto punch in/out with up to 99 takes, disc and song titling; jog/shuttle dial for quick and easy song location and edit function access; pitch control ± 12%; full MIDI support; part copy, track copy, song copy, song renumbering, tempo map and other handy editing functions; balanced XLR inputs (with phantom power), phone-type jacks and insert I/O jacks on channels 1-2, unbalanced phone-type input jacks on channels 3-8, direct track outs.

MD8	Mfr. List $1,399.00	Call For BSW Price

DIGIDESIGN

DIGI 001 - Digital Audio Interface

Digi 001 is a complete audio/MIDI, hardware/software solution in one box. Digi 001 comes packed with all the I/O options you need – eight analog inputs, eight analog outputs, eight channels of ADAT optical I/O and two S/PDIF I/O channels – all at 24-bit resolution. It also comes with a one-in, one-out MIDI interface built in, a footswitch input for QuickPunch control, and an additional pair of analog monitor outputs and a headphone output with separate volume control. Two of the eight analog inputs on Digi 001 include high-quality microphone pre-amplifiers with gain control and phantom power, reducing the need to incorporate a separate mixer. Instead, you can plug in an instrument or microphone, set the levels and start recording!

Because Digi 001 is an integrated system featuring hardware and software, both by Digidesign, there is no need for concern over compatibility issues. Everything about Digi 001 has been designed and tested as a complete unit in one location. With Pro Tools LE software, this cross-platform package† is ready to plug in and use. Software features include: up to 24 tracks of 16- or 24-bit audio; complete integrated MIDI sequencing; five inserts and sends per track for effects; 16 internal mixing busses, full dynamic and breakpoint automation supports Real-Time AudioSuite (RTAS) plug-ins and support of all Pro Tools automation modes except trim.

**DIGI001	Mfr. List $995.00	Call For BSW Price

† Windows version of Pro Tool LE due 1st quarter, 2000

TOOLBOX XP - Digital Audio Card/Software

Audiomedia III is the centerpiece of Digi ToolBox XP, Digidesign's simplest cross-platform solution for audio production. The Audiomedia III card has established itself as the most popular high-quality interface card. Audio enthusiasts of all disciplines use this simple PCI card to get better than CD-quality audio into and out of their computer. With 18-bit analog stereo I/O and 24-bit S/PDIF digital I/O, Audiomedia III makes it easy to interface with a small mixer or transfer DAT recordings. Now with Pro Tools LE (see description in DIGI 001 above), Digi ToolBox XP has everything you need in a single package. With Digi ToolBox XP, you have access to all the real-time processing and mixing power and high track count of Pro Tools LE at the lowest price available. Coupled with the Audiomedia III card's high-quality I/O and proven reliability, Digi ToolBox XP is an extremely cost-effective solution for digital audio production.

**TOOLBOXXP	Mfr. List $545.00	Call For BSW Price

* Non-inventory item subject to return restrictions. **Software not returnable

DIGIGRAM

VXPOCKET - Digital Audio PCI Card

The VXpocket Type II PC Card allows you to perform serious audio production and analysis on a laptop computer. It offers professional audio quality plus compatibility with the most popular applications under both Windows 95/98/NT and the Mac OS. **Features:** 24-bit converters; two balanced analog mono inputs at microphone or line level, and two balanced analog outputs; S/PDIF input and output allowing direct digital transfer; a break-out cable with XLR connectors for the analog inputs and outputs and RCA phono (CINCH) connectors for the digital I/O; 16-bit performance with Microsoft WAVE protocol and MacOS Sound Manager; ASIO driver available for 24-bit operation with compliant applications.

VXPOCKET	Mfr. List $729.00	Call For BSW Price

VX222 - Digital Audio PCI Card

This high-quality, versatile sound card for your PC computer includes balanced analog inputs and outputs with 24-bit converters (as well as digital input/output in AES/EBU or S/PDIF formats). The VX222 is more than just another multimedia sound card – it boasts Digigram's famous reliability and pro performance. The VX222 is designed to work with a wide variety of applications using Microsoft's WAVE protocol (under Windows 95/98 and Windows NT 4.0) and the MacOS Sound Manager (under MacOS 8.x) An ASIO driver is available for 24-bit operation with compliant applications.

VX222	Mfr. List $549.00	Call For BSW Price

DIGITAL AUDIO LABS

CARDDELUXE - Digital Audio PCI Card

For eight years the CardD from Digital Audio Labs has been a standard for audio fidelity in the recording and broadcast industries. Now, the standard has been raised with the introduction of the CardDeluxe™ PCI audio interface. **Features:** analog two channel I/O via 1/4" TRS connectors; S/PDIF digital I/O via RCA connectors; 8- to 24-bit resolution; 22 to 96 kHz sampling rate; +4/-10 balanced/unbalanced operation; full duplex; 4 channel operation using both analog and digital I/Os; slaving of multiple CardDeluxes to a single sample clock; Windows 95, 98 and NT drivers; DirectX support.

CDX01	CardDeluxe	Mfr. List $595.00	Call For BSW Price

ECHO

LAYLA - Digital Multitrack Recording System

Layla is a professional system that consists of a PCI-bus card and a rack-mount audio interface that allows you to connect directly to pro equipment. **Features:** 24-bit internal signal path; 20-bit A/D and D/A converters; simultaneous record and playback; supports multiple sample rates; automatic input gain adjustment; software compatibility with a variety of popular programs, including Cakewalk Pro Audio, Cuebase VST, SAW Plus, Sound Forge and more; on-board MIDI interface; MTC sync compatibility; expanded capability by connecting multiple units; 8 balanced TRS analog inputs (two front panel inputs for easy access); 10 balanced analog outputs; S/PDIF stereo digital I/O; Mac and Windows compatible.

Layla24 (available 2nd quarter 2000) adds 24-bit, 96 kHz converters.

LAYLA	Mfr. List $799.00	Call For BSW Price
LAYLA24	Mfr. List $995.00	Call For BSW Price

MONA - Digital Multitrack Recording System

Mona joins Layla, Gina, and Darla as the latest in high-quality recording products from Echo. Its four universal inputs allow you to connect a variety of sources from mic to line level directly into your computer, bypassing external equipment that can add noise and distortion to your recordings. Using the latest generation of 24-bit 96kHz converters, Mona offers the highest dynamic range and lowest distortion available. **Features:** dynamic range of 116 dB (A-weighted) on inputs and outputs; 4 high-quality mic preamps with phantom power; trim control and meters on each input; 6 outputs with XLR and RCA connectors; headphone out with level control; ADAT optical and S/PDIF digital inputs; drivers for Windows 95/98/NT, Mac and BeOS.

*MONA	Mfr. List $995.00	Call For BSW Price

DARLA24/GINA - Multitrack Digital Audio Recording Cards

The Darla24™ and Gina™ from Echo prove that computer-based multi-tracking doesn't have to be difficult or expensive. **Darla24 Features:** PCI bus master interface; 24-bit 96kHz balanced inputs and outputs with a 1/4" breakout box; multiple cards may be "sync'd" together for easy expansion; Windows and Mac compatible.

Gina Features: two 20-bit inputs and eight outputs coupled with a 1/4" breakout box and shielded interface cable; S/PDIF digital I/O; Windows and Mac compatible.

DARLA24	Mfr. List $379.00	Call For BSW Price
GINA	Mfr. List $379.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

Listen.

Works with DirectSound, Windows 95, 98, NT, and EASI, ASIO!

Listen to what happens when Digital Audio Labs engineering experience and discipline is applied to the latest 24 bit, 96 kHz technology.

Listen to the striking difference in clarity and imaging between a computer sound card and a truly professional, ultra precise audio instrument.

Listen to the next generation, all new standard for audio fidelity on the PC.*

Listen to CardDeluxe, from Digital Audio Labs.

CardDeluxe™

Features include:

- PCI Interface
- DirectX support
- 8 to 24 bit resolution
- 22 to 96 kHz sampling rate
- S/PDIF digital in/out via RCA connectors
- +4/-10 balanced/unbalanced operation
- Analog two channel in/out via 1/4" TRS connectors
- 4 channel operation using both analog and digital
- Slaving of multiple CardDeluxes to single sample clock
- Windows 95, 98, NT, ASIO, DirectSound and EASI drivers
- ***NEW:*** *Stream Dolby Digital AC3 material via S/PDIF output and Input dithering to accommodate 16 bit applications*

Honest, Real-World Audio Specifications

	Input	Output
Analog Channels	2 Bal TRS	2 Bal TRS
Digital Channels	Stereo S/PDIF	Stereo S/PDIF
Nominal Headroom	15dB	15dB
Full Scale S/N	110dB	114dB
Dynamic Range	110dB	114dB
Full Scale S/THD+N (1kHz)	104dB	100dB
Crosstalk (1kHz)	110dB	110dB
Freq. Response (20-20kHz)	+/- .05dB	+/- .25dB

All measurements are typical at+4dBu, 48kHz, at a bandwidth of 22-22kHz, and A weighted unless otherwise noted.

$595

Digital AUDIO LABS

IQS

SAW SERIES - Recording/Editing Software

Based on the already established and popular SAWPlus32 design, the new enhanced SAWPro is the ultimate SAW product for the professional, incorporating 24-bit/96 kHz capabilities, and new enhanced 3D rendered graphics, simultaneous playback of up to 32 mono or stereo tracks, and support for up to 12 stereo sound cards, translating into a maximum of 24 input/output channels.

With SAWPlus32 easily record and edit up to 32 mono or stereo tracks with 16-bit resolution (CD and DAT-quality sound files) directly on your computer's hard drive. SAWPlus32 supports up to twelve stereo sound cards for a maximum of up to 24 physical inputs and outputs, and automatically converts 8 bit, 16 bit, mono or stereo files of any samplerate, playing them all seamlessly in sync – live...in REAL-TIME! The elegance and speed of the SAW's design offers unmatched efficiency in taking a project from conception to completion.

SAW32 is identical in design to SAWPlus32, but has 16 mono/stereo tracks and supports up to 6 stereo devices.

Even the most basic of the SAW products, the SAW32LITE offers the same functionality as SAWPlus32, but has 8 mono/stereo tracks and supports up to 3 stereo devices.

**SAWPRO	Mfr. List $950.00	Call For BSW Price
**SAWPLUS32	Mfr. List $700.00	Call For BSW Price
**SAW32	Mfr. List $500.00	Call For BSW Price
**SAW32LITE	Mfr. List $300.00	Call For BSW Price

LEXICON

CORE2 - Desktop Audio System

The Lexicon Core2 system offers complete and affordable interfacing for your computer, with connections for four channels of analog in, eight channels of analog out, eight channels of ADAT digital I/O and a stereo S/PDIF pair. **Features:** 24-bit A/D and D/A converters; dbx Type IV™ soft-knee limiting every input channel. **Options:** MP-100 daughterboard for the Core2 offers all of the effects found in the Lexicon MPX 100 effects processor (see page 24).

*CORE2		Mfr. List $499.00 Call For BSW Price
*MP100	effects daughter board	Mfr. List $149.00 Call For BSW Price

MINNETONKA

MXTRAX - Mixing/Editing Software

Finally you can get access to the full power of the Yamaha DSP Factory (see page 73) with this powerful software that integrates editing and mixing. MxTrax supports all the amazing features of Yamaha's powerful card including dynamics, EQ and effects. Simple, easy-to-use interface lets you drag and drop elements to build your own mixer with a host of real-time processing and effects and full mixer automation. In addition, you get lightning-fast cut-and-paste editing with instantaneous fades and gain change, unlimited undos and much more.

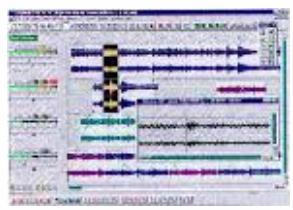
**MXTRAX	Mfr. List $499.00	Call For BSW Price

FASTEDIT32 - Editing Software

This popular editing software now runs even faster and smoother as a 32-bit program. It provides fully nondestructive editing for Windows .wav files and now supports DirectX plug-ins. **Features:** ultra-fast cut and paste; sample accurate editing; simultaneous record and play with mix function (makes overdubbing and layering sounds a snap); fade-in/fade-out; drop-in markers can be manually or automatically named; reverse play, variable-speed, gain change and AGC functions; accurate punch-ins; scrub function.

**FASTEDIT32	Mfr. List $199.00	Call For BSW Price

SEK'D



SAMPLITUDE STUDIO - Recording/Editing Software

Samplitude Studio is a popular real-time wave editor, hard disk recorder and sampling/multimedia program. **Features:** virtual tracks can have up to 8 tracks (8 mono or 4 stereo) with digital mix-down to the stereo output of the sound card; 100 levels of undo; real-time crossfades; time compression/expansion; supports up to 8 sound cards for up to 8 discrete outputs during playback; external sync via SMPTE, MTC or MIDI-Clock/Song Pointer; can run concurrently with MIDI sequencing software; digital filters (graphic and parametric EQ); dynamics compressor, expander, limiter and noise gate.

Samplitude 24/96 lets you record up to 999 tracks in 24-bit, 96 kHz audio quality! Mix the tracks in the real-time mixer (edit MIDI tracks right alongside of audio tracks) and create a master audio CD right from within the program! **Features:** a 5.1 and 2-channel surround mixer; a host of audio processing tools to edit and sweeten your audio tracks; directX plug-in compatibility.

**SAMPLITUDESTUDIO	Mfr. List $399.00	Call For BSW Price
**SAMPLITUDE2496	Mfr. List $799.00	Call For BSW Price

**Software not returnable * Non-inventory item subject to return restrictions.

SONIC FOUNDRY

SONIC FOUNDRY'S AWARD-WINNING SUITE OF PRODUCTS IS THE TOTAL BROADCAST PRODUCTION SOLUTION.

CREATE EDIT DELIVER

YOUR TOTAL BROADCAST SOFTWARE SOLUTION

ACID PRO™ is the definitive production library. ACID PRO, and the Loops for ACID library offer a fast and easy, royalty free alternative to subscription libraries and music bed services. Use any of your own audio content, in .WAV or .AIF format, combined with anything from the Loops for ACID library and you've just created a customized music bed for a fraction of the price you might normally have spent with a service. ACID now includes wave editing and digital effects such as reverb, chorus, and delay.

Vegas Pro™ is Sonic Foundry's ultimate broadcast production tool. Music beds and background elements can be combined, mixed, and edited quickly. Create multiple versions very easily from a single Vegas project. Record voice-overs directly into Vegas and edit with speed, power, and convenience that you've never experienced before. Save to .WAV or streaming file formats and you're ready to go directly from Vegas to air.

Sound Forge™ 4.5 is still the standard by which audio editors are measured. 48 tools, effects, and processes including drag and drop audio mixing for voice-overs, compression, EQ, non-destructive play list editing, and batch processing. This is the workhorse that you can depend on. Sound Forge also supports DirectX plug-ins such as the improved Noise Reduction or unique Acoustic Mirror.

CD Architect™ provides layout tools that are unmatched in the industry and supports over 150 recorders. CD is still a great way to get audio from place to place and CD Architect allows you to read audio tracks from CDs, record from DAT, or digitize material through your sound card.

SONIC FOUNDRY®

SONIC DESKTOP

SMARTSOUND - Soundtrack Software

SmartSound® is the revolutionary new family of audio software products that allows broadcast professionals to create soul-stirring soundtracks in minutes instead of hours. It is the first and only software to approach audio creation from a visual creator's perspecitve – not a musician's. And because of its patented, award-winning technology, visually creative people can open the program and begin creating emotion packed, precisely timed soundtracks with amazingly professional results in minutes.

It's simple. SmartSound takes fully orchestrated, high-quality, real music and sound effect files and embed them with special information. This information allows the patented software process to manipulate the audio in almost any way you choose – automatically. This gives you complete control over the soundtrack creation process without the need for time consuming sound editing of difficult music compostion.

The software includes a complete library of 50 royalty-free, movie-quality selections written and performed by top hollywood professionals. These selections are designed to work with SmartSound's patented technology. You can save your finished soundtracks in most industry standard audio formats.

The optional Audio Palette and Sound Pallette series of CD-ROMs lets you add as much "Smart enabled" music and sound effects as you want – at your own pace. Each pallette contains plenty of versatile selections within specific areas of interest including: action, film scoring, documentary, narration, romance, commercials, sound effects and many more. New palettes are released each month.

**WFM44 (Windows) Mfr. List $399.00 Call For BSW Price
**MFM44 (Mac) Mfr. List $399.00 Call For BSW Price

SONIC FOUNDRY

ACID PRO 2.0 - Music Production Software

Acid Pro 2.0 is a revolutionary loop-based music production tool that offers production staff unprecedented creative flexibility. Imagine working with hundreds of Acid Pro 2.0's cutting-edge loops or bringing in your own audio samples to create custom music in minutes. Acid Pro 2.0 allows you to preview any loop before adding it to your mix, automatically matching the tempo and key in real time. Click-and-drag to easily add or delete loops. Acid Pro 2.0 allows real-time changes to pitch and tempo to unlimited tracks. Control the volume, pan, and effect envelopes for each track to create a perfect mix between loops. To add the finishing touches, apply multiple real-time effects with DirectX Audio Plug-Ins included, or add more from Sonic Foundry's family of professional effects plug-in packs.

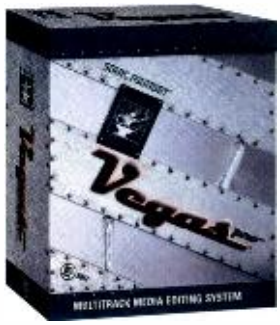
**ACIDPRO Mfr. List $399.00 Call For BSW Price

SONIC FOUNDRY

SOUND FORGE 4.5 - Digital Audio Editing Software

Sonic Foundry's Sound Forge 4.5 is professional sound editing software for Windows that contains an extensive set of audio processors, tools and effects for manipulating audio. Combine Sound Forge with any Windows-compatible sound card to record, edit and refine audio files for a variety of applications from broadcast production to music, multimedia, Internet audio and more. **Features:** supports 8- or 16-bit, mono or stereo audio files; automatic left and right mono to stereo merge function; supports sample rates from 2 kHz to 96 kHz; easy to use in familiar Windows environment; standard keyboard commands; quick waveform editing with multiple-level undo and redo plus undo histories; drag and drop mix, paste and crossfade functions; audition and refine audio samples; audio event locator; audition edits before applying them; mark-in, mark-out and drop markers in real time; create and rearrange audio regions; effects including amplitude modulation, chorus, delay/echo, graphic and parametric EQ, envelope, flange/wah, noise gate, pitch bend/shift, reverb and vibrato; real-time play meters; unparalleled cross-platform file format and audio compression support; supports DirectX audio plug-ins; optional plug-ins for noise reduction, batch file conversion, audio spectrum analysis and more.

**SF4500 Mfr. List $499.00 Call For BSW Price



VEGAS PRO - Multitrack Editing Software

Vegas Pro is the new multitrack media editing system delivering the superior sound quality and processing power you have come to expect from Sonic Foundry. Designed to be way over-the-top, Vegas Pro achieves a level of performance not previously available with software-only multitracks. High bandwidth 24-bit, 96 kHz audio is only the beginning. Complete flexibility and enhanced media handling allow the mixing of file properties, bit depths and sampling rates, all on a single track without the use of cumbersome dialog boxes. And because it works in real time, the creative process is never compromised. **Features:** unlimited tracks; non-destructive editing; supports multiple file formats (.wav/.aif) on a single track; 32 assignable DirectX FX sends; 26 AUX outputs; simultaneous multitrack record and play; unlimited undo/redo; multiple I/O support; MIDI Time Code synchronization; advanced automatic crossfade functionality; 4-band EQ and compressor inserts available on every track.

**SFVP1000 Mfr. List $699.00 Call For BSW Price

**Software not returnable * Non-inventory item subject to return restrictions.

KILLER BROADCAST PRODUCTION SYSTEM

01V Digital Audio Mixer

AX16-AT ADAT Audio I/O Expansion Card

AX88 Analog Audio I/O Expansion Unit

DSP FACTORY

AX44 Analog Audio I/O Expansion Unit

Do All of Your MultiTrack Recording, Mixing and Sound Processing On Your Desktop

The Yamaha DSP Factory gives you a constant supply of audio production firepower. It is based around the DS2416 PCI audio card with stereo analog and digital I/O jacks. The PCI card includes DSP chips with plenty of muscle to handle all of your recording, mixing and effects processing needs. In other words, your computer's processor never limits the DSP Factory's extensive capabilities – all it has to do is run your favorite recording software.

DSP Factory expands to fit your specific needs with the AX44 4-channel I/O breakout box, the rack mount AX88 with 8 channel of 24-bit analog I/O, or the AX16-AT PCI card providing two pairs of ADAT-format optical connectors.

Get the full power from your DSP Factory with Minnetonka MxTrax software (specially bundled with DSP Factory). MxTrax takes full advantage of all the processing power in the DS2416 PCI card to offer real-time mixing with drag-and-drop custom mixers, non-destructive waveform editing, EQ, dynamics processing, automation and more.

For even more power and flexibility, add Yamaha's O1V, a full-featured programmable 24-input digital mixer to your system. Its extensive analog mic and line inputs, digital inputs, effects and automation will come in handy during recording. Plus, you can map the O1V's faders and knobs to MXTrax to act as a hardware controller for on-screen mixing.

However you configure your DSP Factory, you're certain to wind up with a killer broadcast production system that's cost effective, excellent sounding and easy to use.

YAMAHA

SOUNDSCAPE

IBOX8LINE 8-channel TDIF to analog interface sold separately

MIXTREME - 16 Channel PCI Audio Card

The Mixtreme PCI card provides 16 channels of 24-bit digital input and output via two industry standard 8-channel TDIF (Tascam Digital Interface) ports, but it also has 24-bit digital mixing and real-time DSP effects plug-ins.

The fully configurable Soundscape V2 mixer puts a 24-bit, 16 in/out, 16 bus virtual digital mixer at your fingertips, running high-end DSP effects plug-ins from Wave Mechanics, TC Works and of course, Soundscape. DSP-based mixing has a very important advantage compared to computer based (i.e. native) effects and mixing. The latency (delay) for most computer-based mixers is anything from 100 ms upwards, which creates an extremely annoying delay when you try to record while playing back other tracks, or if even you just want to use the "real-time" effects. Mixtreme has a real DSP-based digital mixer on-board, and so what you hear is real-time.

Mixtreme's dual TDIF ports allow direct connection to a digital console or Tascam DA-88 (see page 64). Optionally, you can connect two IBOX8LINE 8-Channel TDIF to analog interfaces to Mixtreme, for 16 channels of 20-bit analog I/O. For ADAT users, there is the IBOX8ADAT TDIF to ADAT converter, and you can connect two of these, or combine an ADAT and analog interface.

Soundscape is now offering the Mixtreme 2000 PowerPAK that includes the Mixtreme card, plus the Soundscape iBOX 2-line interface, plus a bundle of software including: Nemesys GigaSampler LE synth program, Sonic Foundry ACID "Style" loop player and loops, Emagic's MicroLogic AV sequencer/audio recorder/editor, Sonic Foundry SoundForge XP 4.5 recording/editing software, Seer Systems SurReal synth engine, Wave Mechanics Reverb, plus Soundscape's Audio Tool Box – real time DSP studio multi effects plug-ins.

*MIXTREME2KPP		Mfr. List $999.00
*IBOX8ADAT	TDIF to analog interface	Mfr. List $200.00
*IBOX8LINE	TDIF to ADAT interface	Mfr. List $450.00

Call For BSW Prices

SYNTRILLIUM

COOL EDIT PRO - Recording/Editing/Mixing Software

Cool Edit Pro™ is a recording/editing/mixing software suite for Windows. It's a breeze to learn and use. It packs enough top-quality digital effects modules to fill a room full of equipment racks, and it can mix up to 64 tracks together, using just about any sound card. It's like having thousands of dollars worth of professional audio equipment all in one easy-to-use software package. Cool Edit Pro can work with a single stereo sound card and it also supports multiple sound cards and record play devices so it can grow with your system and needs. **Features:** time display window; level meters and clip indicators; tracks color coded for Mute, Solo and Record; graphic volume and pan envelopes as well as loop, crossfade, zoom and "snap" features; multiple "takes" and multiple undos; SMPTE slave capability.

**COOLEDITPRO Mfr. List $399.00 Call For BSW Price

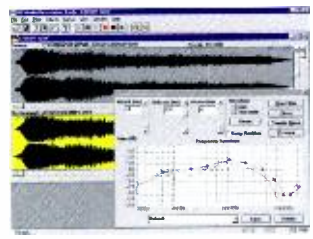
TELOS

AUDIOACTIVE - Internet Audio System

For real-time audio encoding, the Audioactive MPEG realtime encoder is the most professional solution on the market. This hardware and software system makes it easy to provide both real-time and stored audio streams for Internet and Intranet applications. The Telos Audioactive MPEG encoder provides outstanding audio quality and reliability. The hardware encoder is equipped with pro-grade A/D converters, balanced analog (XLR) or digital (AES/EBU) inputs and powerful DSP MPEG Layer 3 encoding in a rack-mount chassis. Outputs are TCP/IP or RS-232. Bundled as a complete streaming solution, it ships with the Audioactive NetSuite CD-ROM featuring the Audioactive Multimedia Driver, Microsoft NetShow Windows Media Server and the Audioactive Production Studio Pro. Pricing is economically based on a one-time purchase and not restricted by fees charged on a per-listener (per-stream) basis.

*7000-0000 Mfr. List $2,800.00 Call for BSW Price

TRACER TECHNOLOGIES



DIAMOND CUT 32 - Noise Reduction Software

Diamond Cut 32 gives you one environment for all of your noise reduction work. Now you can record, play, clean and drop your material to CD all without leaving the safe confines of Diamond Cut's intuitive user interface. Use if for restoring audio from old recordings and vinyl records, removing hiss, ticks and pops, and even cleaning audio with powerful editing tools.

**DC32 Mfr. List $99.00 Call For BSW Price

VALENTINO

CD Sound Effects

You'll be amazed at the quality of these digitally recorded and mastered discs. All Valentino sound effects are grouped together by category for convenience and all sound effects are individually tracked on each CD (no sub-indexing) so cuts are easy to locate in any CD player. There are no additional royalty, clearance or license fees required once a library is purchased. Choose the 10 CD, 25 CD or entire 50 CD set. BSW also carries Valentino production music on CD.

*SFXCD	10 CD Set	Mfr. List $400.00
*CD25	25 CD Set	Mfr. List $850.00
*CD50	50 CD Set	Mfr. List $1,399.00

Call For BSW Prices

**Software not returnable * Non-inventory item subject to return restrictions.

VALENTINO

SFX1000 - Sound Effects CD-ROM

This CD-ROM is filled with an excellent selection of fun and unusual sounds (as well as more conventional sounds) essential for creative production work. CD-ROM includes one thousand 16-bit .wav files that are easy to retrieve in six languages using your personal computer equipped with a CD-ROM drive and audio card. Not for use in standard audio CD players.

**SFX1000 Mfr. List $100.00 Call For BSW Price

YAMAHA

DSP FACTORY DS2416 - Digital Recording Hardware

The DSP Factory DSP2416 offers the mixing power of the Yamaha O2R digital mixer complete with 24 channels of digital mixing, on-board digital effects and dynamics processors plus 16 tracks of hard disk recording with up to 32-bit resolution. **Features:** 24-channel, 32-bit digital mixer with 10 bus outputs and 6 aux sends; 4-band parametric EQ; 26 dynamic processors, 2 effects processors equal in quality to the REV500 (see page 24); channel delay on 20 channels; 8 track simultaneous recording with 16 track playback with up to 32-bit resolution; signals to and from recorder and mixer remain in the digital domain; compatability with a wide variety of control software programs; stereo analog I/O on RCA connectors; stereo digital (coaxial) I/O.

It is easy to expand the DSP Factory by adding multichannel interface boxes. The AX44 installs into the drive bay of a PC tower and provides four 1/4" analog inputs (two allow mic level) and four 1/4" analog outputs, plus a headphone jack. Two AX44s can be be connected to one DSP2416 card to provide eight additional analog inputs and outputs.

The AX16AT is a PCI card that provides two pairs of ADAT optical connectors for transfering 16 tracks of digital audio to and from the DSP2416 card at resolutions of up to 24-bit.

For maximum I/O power choose the AX88. This single-space rack unit offers eight 24-bit, balanced inputs and outputs. Main inputs 1 and 2 offer front panel XLR/phone combo jacks and main outputs 1 and 2 also feature XLR and 1/4" connectors on the back panel. Input levels are selectable for +4dBu and -10dBv. The AX8816X links to an AX88 for an additional 8 channels of I/O (for a total of 16 channels).

MxTrax™ (see page 68), an easy-to-use multi-tracking and mixing software program offered by Minnetonka Audio Software, is designed specifically for the Yamaha DSP factory.

DS2416		Mfr. List $999.00
DS2416MX	DSP Factory with MxTrax	Mfr. List $1,498.00
*AX44		Mfr. List $299.00
*AX88		Mfr. List $999.00
*AX8816X		Mfr. List $899.00
*AX16-AT		Mfr. List $299.00

Call For BSW Prices

BENCHMARK

DAWI - Digital Audio Workstation Interface

Perfect for interfacing to DAWs that don't have a dedicated hardware interface, the DAWI offers a mic preamplifier, three stereo line level analog source selections, two digital input source selections and stereo A/D-D/A conversion in a 1RU chassis. It offers tremendous flexibility and ultra high 20-bit A/D conversion as well as 24-bit D/A playback. **Features:** mic preamp with 48v phantom powering; one -10 dBV and two +4 dBu analog inputs; one S/PDIF and two AES/EBU digital inputs; headphone and monitor outputs signal selection router; analog patch insert point; TosLink optical connections

*DAWI Mfr. List $2,500.00 Call For BSW Price

CM AUTOMATION

MOTOR MIX - Workstation Control Surface

Motor Mix provides a useful control surface for audio production software. It's dedicated to the task of providing natural control over audio mixing (eliminating the need for awkward mouse and keyboard controls for many functions). With Motor Mix's 8 assignable 100mm motorized faders, "view switches" and 8 rotary pots, you can control workstations with any number of channels. Operation is fast and intuitive and on-screen mixing just got a lot more efficient. **Features:** assignable rotary pots with display for control of Pan, AUX, Sends, EQ, Time Delay, dynamics and other plug-ins; backlit LCD screen; MIDI and serial interface supported by several popular software programs.

*MOTORMIX Mfr. List $999.00 Call For BSW Price

FOSTEX

VC-8 - ADAT Converter

This affordable ADAT optical /analog converter adds analog I/Os to digital recorders or adds 8 high-quality analog inputs and outputs to a PC sound card with ADAT opticals. **Features:** 20-bit AD/DA; S/PDIF/analog conversion; selectable clock – internal (44.1 kHz), optical, word (32-48 kHz) enables seamless integration with digital equipment; Input Mode select (2/4/8 buss) for easy combination with any analog mixer.

*VC-8 Mfr. List $329.00 Call For BSW Price

* Non-inventory item subject to return restrictions. **Software not returnable

GRAHAM PATTEN

ADC-20/DAC-20/DMIX-41 - A-to-D/D-to-A Converters/Misc.

Part of the Graham Patten Sound Pals line, the ADC-20 and DAC-20 are compact and rugged converters. **Features:** 20-bit precision; simultaneous XLR and BNC outputs on ADC-20; both XLR and BNC inputs on the DAC-20; internal 44.1 or 48 kHz reference (specify when ordering) plus external AES reference (30 to 50 kHz) on ADC-20; headphone jack with level on DAC-20; battery or AC powered with optional AC adaptor.

With the DMIX-41 digital audio mixer combine up to four AES inputs into a single AES output. Inputs may be individually enabled or disabled remotely. When equipped with optional sample rate converters, the DMIX-41 can combine AES inputs with different sample rates.

The DTG-1 digital test generator is an economical source of a variety of audio test signals in the digital domain and output in the AES/EBU format.

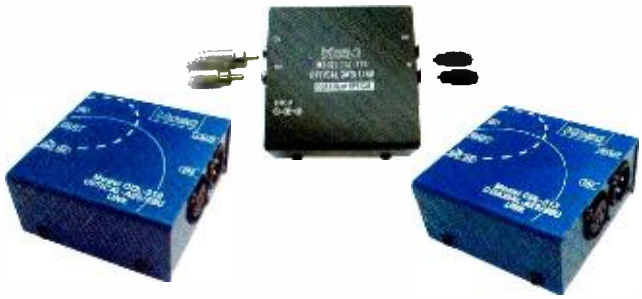
*ADC20	Mfr. List $599.00	Call For BSW Price
*DAC20	Mfr. List $599.00	Call For BSW Price
*DMIX41AO (XLR)	Mfr. List $899.00	Call For BSW Price
*DMIX41BO (BNC)	Mfr. List $899.00	Call For BSW Price
*DTG1	Mfr. List $749.00	Call For BSW Price

DATS-10/DATS-21 - Converters

These passive devices allow equipment with balanced AES I/O (XLR) to be interconnected using 75 ohm coaxial cable (BNC). The result is error-free transmission over greater distances than is possible with twisted pair (up to 1000 feet or more with high-quality coax). The DATS-10 is an AES to DATS converter; the DATS-21 is a DATS to AES converter.

DATS10	Mfr. List $50.00	Call For BSW Price
DATS21	Mfr. List $50.00	Call For BSW Price

HOSA

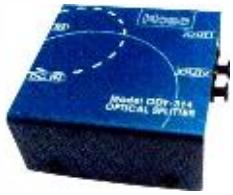


ODL-276/ODL-312/CDL-313 - Digital Format Converters

Each of these handy boxes allows simultaneous transfer (dubbing) of two independent channels of digital audio in either or both directions. ODL-276 links S/PDIF (coax RCA) into optical Toslink. ODL-312 links AES/EBU (XLR) to optical (Toslink) and CDL-313 links S/PDIF (coax RCA) to AES/EBU (XLR).

*ODL276	Mfr. List $95.00	Call For BSW Price
*ODL312	Mfr. List $95.00	Call For BSW Price
*CDL313	Mfr. List $95.00	Call For BSW Price

HOSA



ODY-314 - Optical Splitter

The ODY-314 splits an optical input into two optical outputs. It works for 2-channel S/PDIF or 8-channel ADAT "Lightpipe" formats.

*ODY314	Mfr. List $95.00	Call For BSW Price

LUCID

AD9624/DA9624/ADA1000 - A-to-D and D-to-A Converters

Lucid's AD9624 and DA9624 offer true 24-bit resolution assuring full dynamic range in both A/D and D/A signal paths. **Features:** 96 kHz conversion for maximum sampling bandwidth; true 24-bit resolution using high precision converters; simultaneous AES-3 (XLR), S/PDIF (coaxial), and S/PDIF (TosLink) digital outputs; 20-segment level LED ladders (input for AD9624 and output for DA9624). **Features (AD9624 only):** internally generated sample rates of 32, 44.1, 48, 88.2 and 96 kHz; external sync via word clock; user-selectable 16-bit noise shaping.

The useful ADA1000 combination A/D-D/A converter offers superior sound quality with 20-bit oversampling delta/sigma technology, a +4 dBu interface to your sound card with XLR and 1/4" analog, and AES/EBU or S/PDIF digital ports.

*AD9624	Mfr. List $899.00	Call For BSW Price
*DA9624	Mfr. List $749.00	Call For BSW Price
*ADA1000	Mfr. List $599.00	Call For BSW Price

OPCODE

SONICPORT/DATPORT - USB Audio Interfaces

SONICport and DATport audio interfaces are the simplest way to get audio in and out of a USB-equipped PC running Windows 98 (Mac OS in 2000). Now you can use your USB-equipped laptop and favorite recording/editing software with one of these interfaces to record audio at any location. DATport is a S/PDIF to USB interface. SONICport provides S/PDIF to USB interface plus 24-bit analog I/O on miniplug. No external power is required to operate these units.

*SONICPORT	Mfr. List $299.95	Call For BSW Price
*DATPORT	Mfr. List $249.95	Call For BSW Price

* Non-inventory item subject to return restrictions.

BURK TECHNOLOGY

EAS - EAS Encoder/Decoder System

From the maker of the trusted ARC-16 remote control system comes this very "broadcast-friendly" EAS system. **Features:** six balanced audio inputs; one button weekly test is completely self contained, minimizing interruptions to busy operators and reducing training time; familiar telephone-style keypad makes entry fast, easy and natural; 80-character display shows the whole command at once; menus are organized to make routine tasks quick and easy; broadcast-quality audio storage helps maintain a consistent air sound, even in the auto-forward mode; a plain paper printer is included, logging all system activity for you; three RS232 interface ports for computer control and monitoring; works with Burk's ARC-16 and other transmitter remote controls; 600 ohm balanced output; line/monitor output; eight direct digital inputs and outputs. **Options:** RX-4 EAS monitor receiver system with four receiver modules, individually adjustable balanced outputs, built-in selectable monitor amp and speaker (specify AM, FM or NOAA Weather receivers); LX-4 EAS audio switch with four independent program channels that accept one common EAS channel.

*EAS	encoder/decoder system	Mfr. List $2,195.00
*RX4	monitor receiver system	Mfr. List $1,195.00
*RX4MODULE	spare receiver module	Mfr. List $295.00
*LX4	audio switch	Mfr. List $495.00

Call For BSW Prices

GORMAN-REDLICH

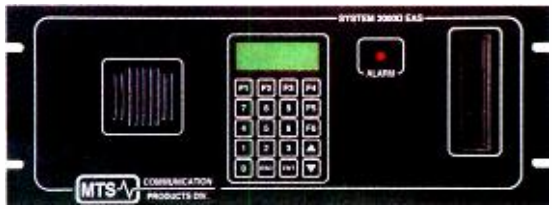
EAS1 - EAS Encoder/Decoder System

Gorman-Redlich, known to radio stations for years for providing cost-effective, easy-to-use EBS equipment, continues their tradition with the affordable EAS1 EAS system. **Features:** 6 audio inputs standard; all audio inputs and outputs are transformer isolated from the encoder/decoder board; selectable manual or automatic modes; programmable automatic interruption of stereo program lines when preselected header code is received for insertion; 2 minutes of digital audio storage; 5 programmable relays to supply contact closures for automation or other signal equipment; 25-pin parallel printer port for external printer to keep EAS log; an auxiliary output via BNC fitting for direct feed to an FM exciter; alert is displayed on a 4-line, 40-character backlit LCD display for rapid interpretation of alert message; alert messages can be scrolled on a remote sign board, a computer screen, or with a character generator on a video monitor. Preprogramming available at no charge from manufacturer.

*EAS1	encoder/decoder	Mfr. List $1,750.00
*CRW	weather receiver	Mfr. List $540.00

Call For BSW Prices

MTS



3000D - EAS Encoder/Decoder System

A complete EAS solution in a single 7" high rack mount box. **Features:** three frequency agile internal receivers for AM, FM and national weather service (specify combination when ordering); five EAS inputs (three receivers, one audio and one RS232/EAS); built-in digital audio recorder and player (15 kHz bandwidth and hours of storage time); internal speaker; multilingual voice-prompted user interface trains operators with each activation and can repeat standard EAS messages in any spoken language; operates from front panel keyboard or PC keyboard; monitor via front panel display or external video monitor; standard parallel printer port (supply your own printer); internal log records all EAS events for the past year; unlimited user-programmable event and location codes; 8 control inputs/8 status outputs; 4 user programmable relays; program audio loop-thru; multiple station operation built in.

The EAS Encoder II software package allows easy message generation from your Windows 95 PC. With it, you can pre-build up to 10,000 events with audio.

*3000D	encoder/decoder	Mfr. List $3,199.00	Call For BSW Price
*EASEII	encoder software	Mfr. List $499.00	Call For BSW Price

TFT

EAS911 - EAS Encoder/Decoder System

With over 20 years of emergency broadcast experience and 4 years of development and testing with the FCC, TFT has developed a comprehensive, yet intuitive and easy to use EAS system – the EAS 911. This modular system can be configured to fit a wide variety of applications. **Features:** sequentially lighted keys guide operators through EAS tests or alerts with ease; all programming, tests and entry are performed on front panel buttons (no external programming device required); help key provides operational and program assistance; practice key allows off-line operator training; available with up to 10 audio inputs; optional plain paper printer and built-in digital recorder available; control from multiple locations (up to 16) with optional remote control status modules via twisted pair wiring up to 5000 feet away. The EAS911R4 encoder/decoder (priced below) includes printer, digital recorder and four audio inputs. **Options:** EAS930A multi-module receiver comes standard with 3 receivers (AM, FM, or NOAA Weather) with space for a fourth module; EAS941A remote control status module that duplicates major system functions; EAS940A program/transmitter interrupt unit that automatically interrupts program audio and inserts EAS audio for unattended operation applications.

*EAS911R4	encoder/decoder	Mfr. List $2,195.00
*EAS930A	receiver module	Mfr. List $1,470.00
*EAS941A	remote module	Mfr. List $495.00
*EAS940A	program interrupt unit	Mfr. List $459.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

AKG

K141M

A proven workhorse throughout the industry, the closed-ear format K141M has an integrated semi-open venting system behind the transducer giving it punchy, accurate and crisply defined sound. It features a flexible steel cable frame and self-adjusting headband. Frequency response is 20 Hz to 20 kHz. Rated impedance 600 ohms.

K141M Mfr. List $150.00 Call For BSW Price

K240M

The K240M offers accurate reproduction at all listening levels, and good comfort with virtually no fatigue after prolonged use. Frequency response is 15 Hz to 20,000 Hz. 400-600 ohm impedance. Mini-plug with 1/4" adaptor.

K240M Mfr. List $173.00 Call For BSW Price

K66

This dynamic, semi-open headphone provides exceptionally smooth frequency response with large 1.6" transducers. It also features a self-adjusting headband and single cord for maximum comfort and convenience. Frequency response 16 Hz to 20 kHz. Mini-plug with 1/4" adaptor.

K66 Mfr. List $61.80 Call For BSW Price

AUDIO TECHNICA

ATHD40/ATHM40

These headphones offer bulletproof durability in a sealed-ear format. Ear pads rotate 180° to permit one-ear monitoring. ATH-M40 has a flat frequency response from 5 Hz to 28 kHz. ATH-D40 features enhanced bass (boost from 20 to 500 Hz). Both headphones can be driven loud. 1/4" TRS connector. Major components are field replaceable.

ATHD40FS Mfr. List $150.00 Call For BSW Price
ATHM40FS Mfr. List $150.00 Call For BSW Price

BEYER

DT770PRO

Extremely wide frequency response (5 Hz - 35 kHz), excellent isolation and maximum comfort with "Bass reflex" technology for improved bass response. 600 ohm nominal impedance. Mini-plug with 1/4" adaptor.

DT770PRO Mfr. List $199.00 Call For BSW Price

FOSTEX

T20RP

The Fostex T20RP headphones can handle high SPL without distortion. They offer sturdy construction with soft, comfortable fit in a semi-closed format. Removable cable is easily replaced. Frequency response 50 Hz to 30,000 Hz. 1/4" TRS connector.

T20RP Mfr. List $119.00 Call For BSW Price

KOSS

PRO4AA

The PR04AA has been preferred by professionals for years. It delivers an extended range with outstanding sensitivity. Comfortable ear cushions provide a complete seal. Frequency response is 10-22,000 Hz; impedance 230 ohms at 1 kHz. 1/4" TRS connector.

PRO4AA Mfr. List $99.99 Call For BSW Price

TD60

This lightweight, sealed-ear stereophone delivers great sound, provides good isolation to help prevent feedback, and is very affordable. Frequency response 25 to 15,000 Hz. BSW offers the exclusive advantage of a hard-wired 1/4" connector.

TD60 Mfr. List $19.99 Call For BSW Price

* Non-inventory item subject to return restrictions.

SENNHEISER

HD25SP

The HD25SP offers a lightweight and comfortable alternative for listeners who spend a great deal of time wearing headphones and need maximum isolation. They are extremely rugged, with low impedance, high sensitivity drivers for unparalleled efficiency. All parts are field replaceable. Frequency response is 16 Hz to 22 kHz. Mini plug connector with 1/4" adapter.

HD25SP **Mfr. List $129.95** **Call For BSW Price**

HD470

Ultra-lightweight and comfortable, the HD470 has a wide frequency response (22 Hz to 20 kHz) and completely new ergonomic design. It uses lightweight copper voice coils for linear sound reproduction with minimum distortion. Two-year warranty.

HD470 **Mfr. List $59.95** **Call For BSW Price**

SHURE

PSM600 - Personal Monitoring Systems

For the lowest profile audio monitoring, try these in-ear personal monitors from Shure. Available in hard-wired and UHF wireless systems, the PSM600 utilizes a compact body pack receiver/amplifier in conjunction with unobtrusive earpieces. The body pack offers a unique MixMode allowing separate adjustment of A and B channels to get just the right blend of program and cue, band mix and solo mix, etc. Each system comes complete with a set of Shure E1 earpieces which combine the performance associated with custom-molded sets, and the universal fit offered by special foam inserts. Wireless systems feature two selectable UHF frequencies and Shure's legendary circuitry for clear channel reception.

The wired system (P6HWE1) includes one P6HW body-pack receiver, 12-foot input cable and one set of E1 earpieces. The wireless system (P6TRE1) includes a P6T half-rack transmitter, P6R body-pack receiver and one set of E1 earpieces.

*P6HWE1 wired system **Mfr. List $840.00** **Call For BSW Price**

*P6TRE1 wireless system **Mfr. List $1,590.00** **Call For BSW Price**

Individual components available separately.

SONY

MDR-7506

The 7506 delivers a surprisingly wide frequency range (5 to 30,000 Hz usable) in a comfortable, sealed ear format providing maximum isolation from external sound. Collapsible for storage. Mini-plug connector with 1/4" adaptor.

7506 **Mfr. List $170.00** **Call For BSW Price**

MDR-7505

These unique phones feature 40mm drivers in a compact foldable design with swivel earcups that allow for easy single-sided monitoring. Frequency response is 16 Hz to 22 kHz. Mini-plug connector with 1/4" adaptor.

7505 **Mfr. List $130.00** **Call For BSW Price**

MDR-7502

Sony's 7502 is an economy headphone with surprisingly clear and rich sound. Closed ear format. Frequency response is 60 Hz to 18 kHz. Mini-plug connector with 1/4" adaptor.

7502 **Mfr. List $74.00** **Call For BSW Price**

STANTON

101HB - Cueing Headphone

The Model 101HB is the perfect solution for times when you need to hear cue or program information and still hear what is going on around you. This single-cup headphone features an adjustable soft padded headband and a 12' coiled cord terminated in a 1/4" plug. Impedance is 100 ohms. Frequency response is 20 Hz to 22 kHz. It's also available in a shoulder rest version.

101HB **Mfr. List $92.00** **Call For BSW Price**

* Non-inventory item subject to return restrictions.

AKG

HSC/HSD 200 SERIES - Headsets

These professional and lightweight headsets from AKG come in two microphone models: condenser-electret (HSC) and dynamic (HSD). Both are ideal for noisy environments and feature a shock mount for suppression of structure-borne leakage from the headphones into the microphone. The condenser model (HSC200SR) offers an integrated equalizer for personalized microphone frequency response. Seven soldered jumpers allow various EQ presets to be combined as desired. The dynamic mic (HSD200STD) has a cardioid pickup pattern, impedance 650 ohms, with a frequency range of 50 Hz to 11 kHz. Both come with an XLR connector on the mic and 1/4" jack for the headphones.

HSC200SR	Mfr. List $286.00	Call For BSW Price
HSD200STD	Mfr. List $243.00	Call For BSW Price

BEYER

DT290 - Headset

Low profile, lightweight design makes the DT290 very comfortable for long term operation. It also offers excellent isolation from ambient noise. The list price shown is for model with dynamic mic element. Includes cable terminating in a 1/4" connector for headphones and XLR connector for mic. Optional windscreen available (Calrad 10-9).

DT290	Mfr. List $299.00	Call For BSW Price

DT190/DT180 - Headsets

The DT190 combines Beyer's best sounding hypercardioid mic element and studio quality headphone elements in the classic Beyer headset design. DT180 is a single ear version. Both include cable terminating in a 1/4" connector for headphones and XLR connector for mic.

DT190	Mfr. List $389.00	Call For BSW Price
DT180	Mfr. List $329.00	Call For BSW Price

SENNHEISER

HMD25X-Q - Headset

The Sennheiser HMD25X-Q is a lightweight, durable headset that's comfortable and gives excellent isolation from crowd noise with acoustically dampened, sealed ear cups. It includes a supercardioid, noise-cancelling dynamic mic with frequency response of 50-12,000 Hz. Cable is unterminated with tined leads.

HMD25XQ	Mfr. List $475.00	Call For BSW Price

SHURE

SM2 - Headset

The Shure SM2 provides maximum comfort, durability and high-quality sound reproduction. Headphone frequency response is 100 Hz to 8 kHz; mic response is 50 Hz to 15 kHz. Cable detaches from headset and ships unterminated at the other end.

SM2	Mfr. List $366.30	Call For BSW Price

TELEX

V220 - Headset

This unique headset offers audiophile quality and flexible configurations using modular cord sets and microphones. Construction is super-rugged and comfortable. The earphone section is studio quality and features a unique adjustment for more or less isolation. It also offers a cough switch on cable. Since this set is modular, be sure to order the headphone, mic and cable set you require.

V220	double sided headphone w/boom	Mfr. List $170.00
MB11	supercardioid dynamic mic element	Mfr. List $51.00
MB12	supercardioid electret mic element	Mfr. List $51.00
CA10	cable (XLR and 1/4" for electret)	Mfr. List $155.00
CA11	cable (XLR and 1/4" for dynamic)	Mfr. List $115.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

Get it Together and Get Connected with beyerdynamic!

beyerdynamic, the world leader in broadcast and communications headsets, announces the availability of its popular DT 100 series and DT 200 series headsets with pre-terminated cables to fit the the most popular intercom and audio standards.

Cables are available for Clearcom and RTS intercom systems as well as XLR and 1/4" inch breakouts.

Save time!
Save labor!
Save money!

DT 290

DT 190

The best just got better with new cable options from beyerdynamic.

For complete headset parts information, see us on the web at **www.beyerdynamic.com**.

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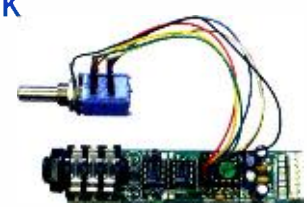
BENCHMARK



HPA1 - Headphone Amplifier

The HPA1 can be used anywhere – in consoles, at the patch bay, on interview tables, etc. Designed for headphones with impedances from 60 to 600 ohms. Kit requires power supply and installation.

HPA1 Mfr. List $70.00 Call For BSW Price

FOSTEX

PH-50 - Headphone Amplifier

Drive up to five sets of headphones with this handy headphone distribution amplifier. Each output has its own 100mW amplifier for individual level settings and very clean signals. In addition, use the AUX IN as a connection for a cue system. Units may be cascaded for more outputs.

PH-50 Mfr. List $279.00 Call For BSW Price

FURMAN

HDS-6/HR-6 - Headphone Distribution System

This flexible headphone distribution system lets you provide custom headphone mixes for up to 16 people! The rack mount HDS-6 accepts four mono inputs and one stereo input and allows connection of up to eight HR-6 remote mixers (sold separately). Each mixer has control over all four mono inputs and the stereo input. Up to two headphones may be plugged into each HR-6. Units are daisy-chained together with standard ethernet cable.

HDS6 Mfr. List $249.00 Call For BSW Price
HR6 Mfr. List $129.00 Call For BSW Price

FURMAN

HA-6A - Headphone/Monitor Amp

Powers up to 6 pairs of headphones with a very generous 20 watts per channel. It can also power one or two sets of small monitor speakers, often saving the cost of an additional power amp. The front panel provides six stereo headphone jacks with independent volume controls and two speaker switches.

HA6A Mfr. List $419.00 Call For BSW Price

JK AUDIO

REMOTE AMP - Headphone Amplifier

Remote Amp is a simple battery-powered personal belt clip headphone amplifier. It accepts an XLR input from your mixer, distribution amplifer or phone line hybrid and offers a volume control. The low distortion, 1 watt amplifier will cut through the crowd noise without distortion.

REMOTEAMP Mfr. List $215.00 Call For BSW Price

OZ AUDIO

HM6 Q-MIX - Headphone Matrix Amp

This unique headphone matrix amplifier can create 6 independent headphone mixes at once. Each output channel can be fed any mix of the main stereo input and the 4 auxiliary inputs. Q-Mix features balanced inputs and a sturdy metal chassis. Great for complicated remotes or busy control rooms.

HM6 Mfr. List $349.00 Call For BSW Price

HR-4 - Headphone Matrix Amp

The HR-4 is a high-power single-rack-space headphone amp with four separate power amplifiers. All four headphone channels can be switched between the main input and individual inputs. Features include front and rear outputs for each headphone channel, individual front volume controls, balanced main line inputs and built-in power supply.

HR4 Mfr. List $219.00 Call For BSW Price

RANE

HC6 - Headphone Amplifier

On the HC6, the main stereo inputs drive six stereo headphone amplifiers through individual volume controls. Each headphone amp also has its own separate input which independently bypasses the main stereo input.

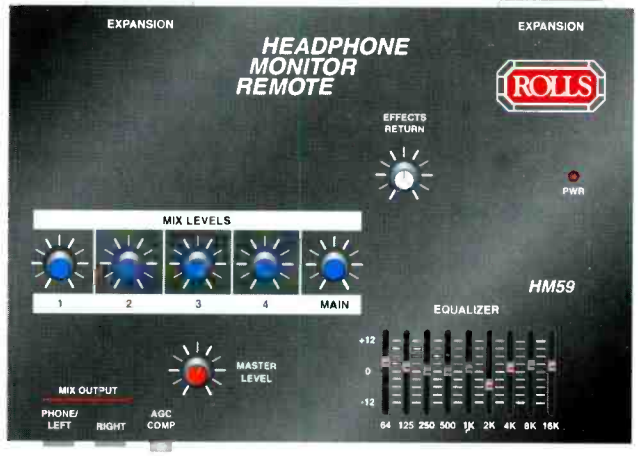
HC6 Mfr. List $499.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

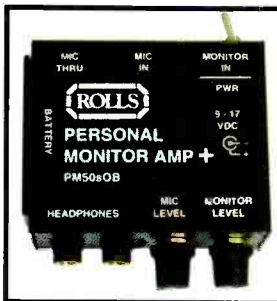
ROLLS
10 Years

NEW!

PERSONAL MONITOR SYSTEMS AND HEADPHONE AMPLIFIERS



Rolls has introduced a complete headphone submixing and distribution system. The HM Series combines a main stereo mix with up to four mono auxiliary mixes, and distributes all signals out via a standard DB25 cable to the remote units. There you make your own mix. Plus, we've added compression and equalization to further custom tailor your mix. You won't find a more complete headphone monitoring system.



Rolls also offers the PM50s and PM50sOB (optional battery) Personal Monitor Amps. These units mix a 1/4" TRS stereo monitor signal with an XLR microphone signal. They make the perfect "more me" box - you mix your own voice/ instrument with the main mix.

The PM52 replaces a monitor speaker. It requires no power - you simply plug this inline with monitor speakers, plug in your headphones and play.

Finally, our very popular line of headphone amplifiers are sure to keep even the most particular listener happy. The HA43 is a simple four-channel heaphone amp with a single 1/4" TRS stereo input and four 1/4" TRS stereo outputs. The RA53 Five Channel and RA62 Six Channel Headphone Amplifiers feature individual channel inserts and a variety of input options. You need volume? We got it. All our Monitor Systems and Headphone Amps are loud. Even drummers love 'em.

YOU'VE NEVER HEARD YOURSELF SO WELL

ROLLS

RA62 - Headphone Amplifier

This inexpensive headphone amp offers 6 stereo channels with independent output controls on each channel. The stereo input includes a pan control and a mono switch to mix two mono sources. Insert jacks are provided so each can be used independently.

RA62HA	Mfr. List $190.00	Call For BSW Price

RA53 - Headphone Amplifier

Using the same quality components in other Rolls headphone amplifiers, the RA53 gives you 5 outputs with individual level controls and plenty of gain. It offers a good selection of inputs including inserts on 2 channels; link input/output for connecting two units together; 1/4" and RCA right and left inputs; 1/4" TRS stereo input; 1/4" mono input.

RA53	Mfr. List $160.00	Call For BSW Price

HA43 - Compact Headphone Amplifier

This compact stereo 4-channel headphone amp is perfect for any application where space is limited. Mini slide faders adjust individual volumes. AC adaptor included.

HA43	Mfr. List $100.00	Call For BSW Price

SYMETRIX

304 - Headphone Amplifier

This stereo input, 4-output headphone amplifier is the improved version of the popular SX204. It utilizes proprietary high voltage converter technology to drive high impedance headphones, while providing more than ample power for low impedance phones. It features individual volume controls for each channel plus a master input volume control, pass-thru jacks to permit daisy-chaining of multiple units and balanced or unbalanced 1/4" input.

304S	Mfr. List $299.00	Call For BSW Price

APHEX

124A - Interface Amplifier

124A easily interfaces consumer audio equipment to professional studio and broadcast facilities with superior audio specifications. Active, servo-balanced circuitry converts +4 dBm (or +8 dBm) line levels to -10 dBm (hi-fi) levels, and back again. XLR and RCA type connectors enable quick hook-up.

124A		Mfr. List $229.00	Call For BSW Price
44008SA	rack kit	Mfr. List $30.00	Call For BSW Price

ATI

DP100/MM100 - Interface Amplifiers

DP100, a uni-directional stereo interface, converts the unbalanced IHF outputs of CD players to transformer-balanced and isolated 600 ohm line levels with no compromise or degradation of the source audio. MM100 offers the same high-quality level matching capability as the DP100 in a bi-directional format for record and playback applications.

*DP100	Mfr. List $299.00	Call For BSW Price
*MM100	Mfr. List $329.00	Call For BSW Price

NANOAMP SERIES - Interface Amplifiers

Nanoamps are high-quality, ultra compact (1/3 rack width) interface amplifiers. The BI100 is a stereo, bi-directional pro/consumer interface unit. BU400 is a 4-channel unit – all balanced to unbalanced. UB400 is a 4-channel unit converting 4 unbalanced inputs to balanced outs. (RCA and XLR connectors on above units). L200 is a dual line attenuator/impedance convertor/signal splitter/summing amp. All units require separate power supply (WA100-1). Rack mount and desk mount kits are available as options.

*BI100	stereo, bi-directional	Mfr. List $235.00
*BU400	4-chnl. bal. to unbal.	Mfr. List $225.00
*UB400	4-chnl. unbal. to bal.	Mfr. List $249.00
*L200XLR	dual line/buffer amp.	Mfr. List $225.00
*SUM100	stereo to mono summing amp.	Mfr. List $215.00
*WA100-1	power supply	Mfr. List $13.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

EBTECH

LLS/LLS8 - Line Level Shifter

The LLS 2-channel and LLS8 8-channel rack mount units both convert back and forth between -10dBV and +4dBu, eliminate ground loop hum and convert between balanced and unbalanced signals at either end.

Hum Eliminator HE (2-channel) and HE-8 (8-channel) eliminate ground loop hum and convert back and forth between balanced and unbalanced signals at either end.

LLS	Mfr. List $89.95	Call For BSW Price
LLS-8	Mfr. List $344.95	Call For BSW Price
HE	Mfr. List $74.95	Call For BSW Price
HE8	Mfr. List $284.95	Call For BSW Price

ESE

ES-244 - Audio Level Interface

This quality stereo, bi-directional coupling unit provides a simple, cost-effective means of connecting equipment with unbalanced, -10 dBv inputs/outputs to equipment with balanced, +4 or +8 dBm inputs/outputs. It's perfect for connecting consumer CD players and cassette decks to professional consoles, etc. Balanced XLR and unbalanced RCA I/O.

ES244		Mfr. List $185.00	Call For BSW Price
ES244P	rack mount unit	Mfr. List $235.00	Call For BSW Price

HENRY ENGINEERING

MATCHBOXII/TWINMATCH/LOGICONVERTER - Interface Amplifiers

MatchboxII is an ideal way to correctly interface consumer equipment with professional studio gear. The bi-directional unit features 4 independent amplifiers providing full stereo input and output interface; adjustable output levels and RF shielding. Balanced XLR and unbalanced RCA I/O.

Twinmatch is like the MatchboxII, but provides two stereo channels in one direction for playback of two consumer level units. Balanced XLR and unbalanced RCA I/O.

Logiconverter is a general purpose control interface that eliminates the incompatibility between various audio and video equipment remote control circuits. It has 4 opto-isolated inputs that control 4 isolated relay outputs and can be programmed to provide either latched or momentary outputs with up to 24 combinations. Inputs can provide single or dual "flip-flop" outputs.

MATCHBOXII	Mfr. List $195.00	Call For BSW Price
TWINMATCH	Mfr. List $195.00	Call For BSW Price
LOGICONVERT	Mfr. List $195.00	Call For BSW Price

RDL

STICK-ON SERIES - Interface Devices

Radio Design Labs' Stick-Ons™ are compact, high-quality audio interface devices that can be directly and discreetly mounted on equipment, under counter tops, or combined in rack mount systems. 24 volt power is required for all active units and must be ordered separately.

Model	Description	Mfr. List
STA1	Electronic Transformer, Dual Channel	$140.00
STA2	High Output Audio Line Amplifier	$147.00
STA1M	Audio Line Amp (mono)	$103.00
STSH1	Stereo Headphone Amplifier	$117.00
STPA2	2 Watt Utility Power Amplifier	$66.00
STPA6	6 Watt Audio Power Amplifier	$91.00
STMX3	Line Level Mixer	$117.00
STMMX3	Mic To Line Level Mixer	$130.00
STMLX3	Mic/Line To Line Level Mixer	$124.00
STMXL3	Line To Mic Mixer	$124.00
STDA3	Distribution Amplifier, Mono	$130.00
STMDA3	Mic-Level Distribution Amplifier	$130.00
STM1	Microphone Preamp, Fixed gain	$99.00
STM2	Mic Preamp W/Low Noise, Variable gain	$136.00
STM2X	Microphone Preamp, Switchable	$153.00
STM3	Microphone Preamp, High gain	$156.00
STIC1	Intercom Amplifier	$124.00
STMA2	Muting Monitor Amplifier	$81.00
STMPA2	Mic Phantom Adapter	$85.00
STAMC3	Active Mic Combiner	$117.00
STPH1	Stereo Phono Preamplifier	$130.00
STVCA1	Voltage Controlled Amplifier	$116.00
STRG1	Ramp Generator	$106.00
STRX2	Audio Routing Switcher	$101.00
STVP1	Voice-Over/Page Module	$130.00
STEQ3	3 Band Equalizer	$92.00
STHP1	High-pass filter (350 Hz - 30 kHz)	$116.00
STHP2	High-pass filter (500 Hz - 30 kHz)	$116.00
STCL1	Compressor/Limiter	$143.00
STGCA1	Gain Control Amplifiers	$123.00
STGCA2	Fast Gain Control Amplifiers	$123.00
STGLA1	Gated Line Amplifier	$115.00
STGSP1	Gated Speech Preamplifier	$124.00
STLCR1	Logic Controlled Relay (momentary pulse)	$72.00
STLCR2	Logic Ctrl. Relay (alternate action)	$106.00
STACR1	Audio Ctrl. Relay (.5-5.0 sec. release-line in)	$93.00
STACR1M	Audio Ctrl. Relay (.5-5.0 sec. release-mic in)	$95.00
STACR2	Audio Ctrl. Relay (5-50 sec. release-line in)	$93.00
STVOX1	Audio Ctrl. VOX Relay	$99.00
STSSR1	Solid State Audio Relay	$101.00
STSX4	4 Input Audio Switcher	$98.00
STOSC2A	Oscillator (1 kHz/10 kHz)	$101.00

Call For BSW Prices

*Power supplies must be ordered separately

Continued on next page

* Non-inventory item subject to return restrictions.

RDL

STICK-ON SERIES - Continued

Model	Description	Mfr. List
STOSC2B	Oscillator (100 Hz/400 Hz)	$101.00
STNG1	White & Pink Noise Generator	$124.00
STCX1S	Subwoofer Crossover (22 Hz-80 Hz)	$116.00
STCX1W	Woofer Crossover (40 Hz-165 Hz)	$116.00
STCX1F	Full Range Crossover (100 Hz-30 kHz)	$116.00
STTC1	Telephone System Coupler	$99.00
STD150	Divider/Combiner (150 ohm)	$50.00
STD600	Divider/Combiner (600 ohm)	$50.00
STD10K	Divider/Combiner (10K ohm)	$50.00
STP1	Variable Attenuator (2-channel)	$57.00
PS24A	* 24 volt Power Supply For All Active Units	$18.00
STPDS	Powers up to 5 units from one power supply	$66.00

Call For BSW Prices

STR-19 SERIES - Stick-On Series Rack Mount Units

Easily mount your RDL Stick-On series audio/electrical units into one 19" rack mount system. Each holds 10 or 12 stick-ons with velcro attachments and allows for uncomplicated cable harnessing. STR-19A mounts up to 12 Stick-Ons in compact 19" rack mount. STR-19B mounts up to 10 Stick-Ons at an angle, allowing for easier adjustments of all Stick-On units.

STR19A Mfr. List $127.00 Call For BSW Price
STR19B Mfr. List $150.00 Call For BSW Price

SMK-12 - Stick-On Series Mounting Kit

The SMK-12 allows removable surface or edge mounting of RDL Stick-Ons onto a panel with velcro fasteners. Panel attaches to surface with screws or foam adhesive pads.

SMK12 Mfr. List $24.00 Call For BSW Price

RU-LA2D/RU-BLA2 - Interface Amplifiers

These compact units offer outstanding audio performance and flexibility. The RU-LA2D is a bi-directional impedance matching device for conversion from +4 balanced to -10 unbalanced equipment and vice-versa with XLR, RCA and barrier block connections. The RU-BLA2 is designed to drive and/or buffer balanced audio lines. It features discrete dual channels with XLR I/O.

RULA2D IHF/pro interface Mfr. List $274.00 Call For BSW Price
RUBLA2 line driver/buffer Mfr. List $238.00 Call For BSW Price

RUSS FRIEND & ASSOC.

CD100X - Interface Amplifier

Here's an inexpensive tool for converting a -10 dBv source to +4 dBu. It's perfect for interfacing a consumer CD player to pro audio equipment. Features: RCA inputs and barrier strip outputs; recessed trim pots.

CD100X Mfr. List $109.00 Call For BSW Price

SYMETRIX

303 - Interface Amplifier

This stereo level matching amplifier accepts balanced or unbalanced outputs. Use it to interface a consumer DAT or cassette recorder to your recording console or to other +4 dBu nominal level equipment. Features: simple, affordable conversion of consumer audio; XLR and RCA input and output jacks; external power supply; half-rack-size unit.

303 Mfr. List $199.00 Call For BSW Price

307 - Dual Isolation Transformer

The Symetrix 307 isolates ground, positive and negative audio paths to break up ground loops and improve overall system performance. The two input and two output isolation box interfaces balanced and unbalanced devices. Features: two high-performance audio transformers; euroblock terminal connectors for quick installation; increased resistance to RF interference; flexible grounding options; half-rack-size unit.

307 Mfr. List $199.00 Call For BSW Price

BROADCAST TOOLS

UI-4II - Universal Interface

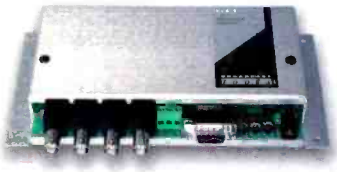
The UI-4II facilitates interfacing transmitters, audio/video equipment or any piece of equipment with differing logic levels and functions. Features: four optically isolated/bridged 5-28 volt AC or dc inputs that operate four SPDT relays with LED indicators; operates independently or paired for latched or momentary outputs; momentary or continuous inputs; onboard DIP switches allow 2 dozen configuration combinations; compatible with TTL/CMOS logic levels, open collectors, contact closures or any voltage between 5 and 28 vdc/vAC; can monitor telephone ring voltage; requires 12 to 18 vAC or 14 to 28 vdc power (12 vAC transformer supplied); I/O connections via wire captive terminals; supplied in a compact, flanged aluminum case with mounting holes. Options: RM-3 19" rack adaptor (holds 2 units).

UI4II Mfr. List $139.00 Call For BSW Price

800 • 426 • 8434 www.bswusa.com

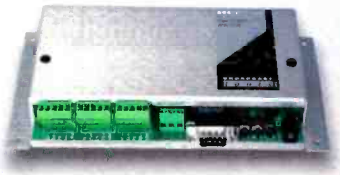
* Non-inventory item subject to return restrictions.

BROADCAST tools inc.



SS 2.1/BNC
Composite - AES/EBU Switcher/Router

Passive switching/routing with 2 composite audio, video or AES-EBU inputs to 2 composite audio, video or AES-EBU outputs, or vice-versa.

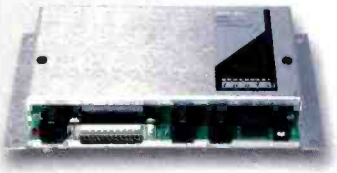


SS 2.1/TERM
Stereo Audio Switcher/Router

Passive switching/routing with 2 stereo inputs to one stereo output or vice-versa.

SS 3.1 *Stereo Audio Switcher/Router*

Passive switching/routing with 3 stereo inputs and one stereo output or vice-versa.



DSC-20 *Dual Satellite Controller*

Adds remote control capability to the Scientific-Atlanta Encore, DSR-3610, AD-4595, Virtex StarGuide II/III, Com Stream and Wegener receivers, allowing memory/service - audio changing by automation systems or contact closures.

USC-16
Universal Satellite Channel Controller

Offers remote control capabilities with multiple channel/memory selection for the Scientific-Atlanta 7300/DAT-32 series, ENCORE, DSR-3610 and AD-4595; Comtech/Fairchild DART-384, and Ariel type receivers.

PBB-24 *Programmable Button Box*

Provides 24 SPST buttons to remotely control external equipment and/or be configured to generate user-programmable ASCII strings.

IPC-1/IPC-2 *Level Converters*

IPC-1 is a bi-directional IHF to professional level converter. IPC-2 is a twin IHF to professional level converter.

3X2 *Dual Stereo Audio Switcher*

Active crosspoint switcher with 3 stereo inputs and 2 stereo outputs.

6X1 *Stereo Audio Switcher/Router*

Passive switching/routing with 6 stereo inputs and one stereo output, or vice-versa.

8X1 DAS *Digital Audio Switcher*

Routes any one of eight AES/EBU digital inputs to three outputs.

8X2D *Dual Stereo Audio Switcher*

Active crosspoint switcher with 8 stereo inputs, 2 stereo plus 2 mono outputs.

10X1 *Stereo Audio Switcher/Router*

Passive switching/routing with 10 stereo inputs and one stereo output or vice-versa.

SS 12.4 *Stereo Crosspoint Audio Switcher*

Active crosspoint switching with 12 stereo inputs and 4 stereo outputs.

SS 8.2 *Stereo Crosspoint Audio Switcher*

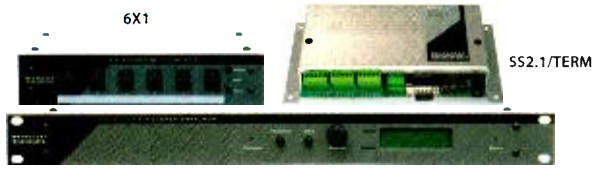
Crosspoint switching/routing with 8 stereo inputs, 2 stereo plus 2 mono outputs.

MC-16 *Megacoupler*

Allows telephone interfacing with programmable DTMF to ASCII conversion, along with 16 relay operation.

Call BSW Today or Visit bswusa.com for More Information on Broadcast Tools.

BROADCAST TOOLS



Stereo Audio Switcher/Router Series

SS2.1/BNC offers passive switching/routing with 2 composite audio, video, or AES/EBU inputs to 2 composite audio, video, or AES/EBU outputs. **Features:** remote control/status; RS-485 multi-drop serial port; last selected source memory; BNC connectors.

SS2.1/TERM offers passive switching/routing with 2 stereo inputs to one stereo output or vice-versa. **Features:** remote control/status; RS-485 multi-drop serial port; last selected source memory; pluggable screw terminal connectors.

SS3.1 passively switches or routes three stereo inputs to one stereo output or vice-versa. **Features:** step input with manual or automatic sequencing; remote control/status; RS-485 serial port; input one is normally routed to the output; gold contact relays; balanced I/O.

3X2 is designed to accommodate 3 stereo inputs and 2 stereo outputs. The inputs may be assigned to either or both stereo outputs. **Features:** multi-turn input trimmers; remote control via serial port or contact closures; two control modes (alternate action mix mode and latching control); cascade multiple units; active balanced I/O.

6X1 passively switches or routes 6 stereo inputs to a single stereo out. **Features:** front panel selection switches with LED indicators; front panel safety lockout; programmable power-up selection; output muting; remote control with status; remote step input; RS-232 serial port; balanced I/O.

8X1 DAS routes any one of eight AES/EBU digital inputs to split outputs.

8X2D accommodates 8 stereo inputs, 2 stereo and 2 mono outputs controlled via front panel switches with LED status indicators. **Features:** internal silence sensor with LED indicator; multi-turn input trimmers; programmable power-up selection; output muting; remote control with status; remote step input; RS-232 serial port; active balanced I/O.

SS8.2 provides active crosspoint switching with 8 stereo inputs, 2 stereo plus 2 mono outputs.

10X1 passively switches or routes 10 stereo inputs to one stereo output or vice-versa. **Features:** front panel selection switches with LED indicators; front panel safety lockout; programmable power-up selection; output muting; remote control with status; remote step input; RS-232 port; balanced I/O.

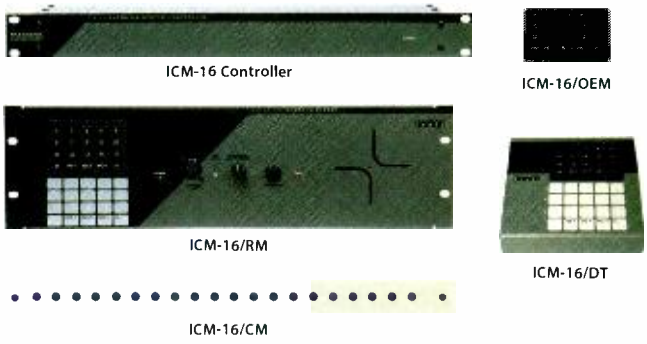
SS12.4 accommodates 12 stereo inputs and 4 stereo outputs with matrix-style audio routing. **Features:** front panel 16-character, 2-line display shows source and destination descriptions; rotary encoder knob; three switching modes (mix, overlap and immediate); multi-turn input and output trimmers; RS-232 and RS-485 ports; optional remote control units.

SM6 lets six stereo inputs feed a single stereo output (or dual mono). Sources are added to the mix via front panel push-button select switches. **Features:** 15-turn input trim pots; supports balanced or unbalanced sources.

SS2.1BNC	Mfr. List $159.00
SS2.1TERMINAL	Mfr. List $159.00
SS3.1	Mfr. List $169.00
3X2	Mfr. List $399.00
6X1G	Mfr. List $399.00
8X1DAS/BNC or 8X1DAS/XLR	Mfr. List $479.00
8X2D/EV	Mfr. List $649.00
10X1	Mfr. List $529.00
SS8.2	Mfr. List $729.00
SS12.4	Mfr. List $899.00
SM6	Mfr. List $349.00

Call For BSW Prices

BROADCAST TOOLS



ICM-16 - Studio Intercom System

The ICM-16 offers connectivity for up to 16 studios using standard, off-the-shelf category 3, 4, or 5 network cable utilizing RJ-45 modular connectors. One ICM-16 controller controls up to eight intercom stations. One additional controller may be added for up to 16 intercom stations. There are three intercom station interfaces to choose from, all featuring a 20-key pad for selecting individual stations, groups or all call. ICM-16/DT is a 6.2" x 6" desktop box. ICM-16/RM is a 3-space rack mount version. ICM-16/OEM is a key-panel-only version for custom installations. ICM-16/CM is a console module. **Features:** send audio level control; mute control on each intercom station; call-indicator open collector output; transformer balanced send audio; active balanced receive audio.

***16 Station System Under $4,000.00 Mfr. List Call For BSW Pricing**

BURK TECHNOLOGY

LX1 - Stereo Selector

Features: 1x6 stereo source selector with "soft" switching (no pops or clicks); MIX mode, which allows multiple sources to be on the air with properly maintained levels; LOOP mode, which provides a send and return for an outboard audio processor or recorder; can be controlled from front panel, studio or remote control; start automation or tape with machine-follow outputs; matches IHF or PRO inputs; excellent audio specs; multicolored LED program level meters; all connections via plug-in screw-type connectors.

LX1 Mfr. List $1,295.00 Call For BSW Price

CM AUTOMATION

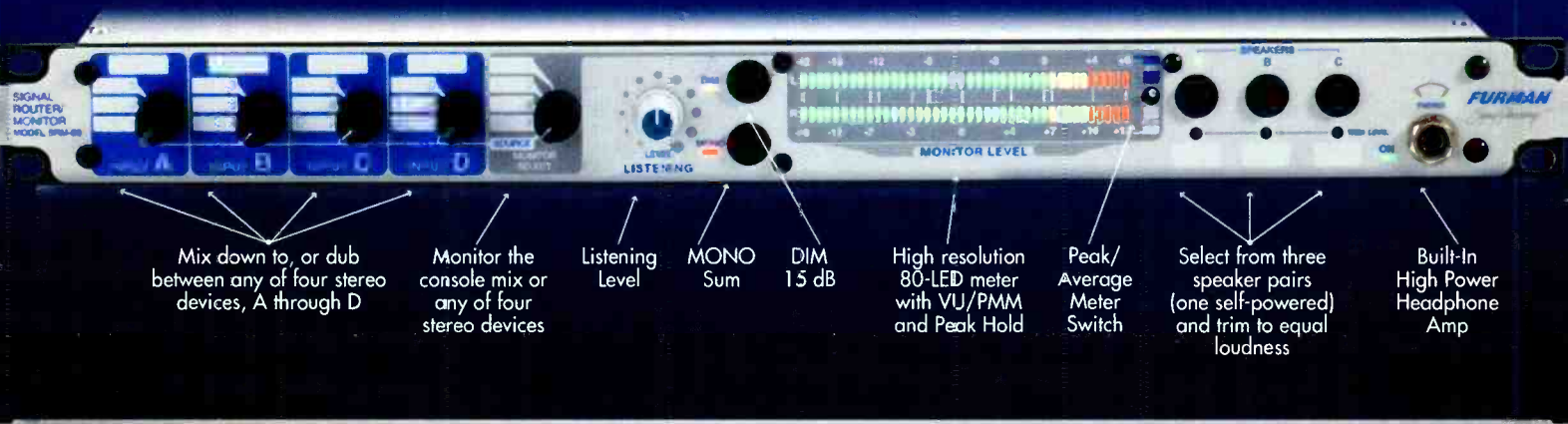
PM216 - 16x16 Audio Router

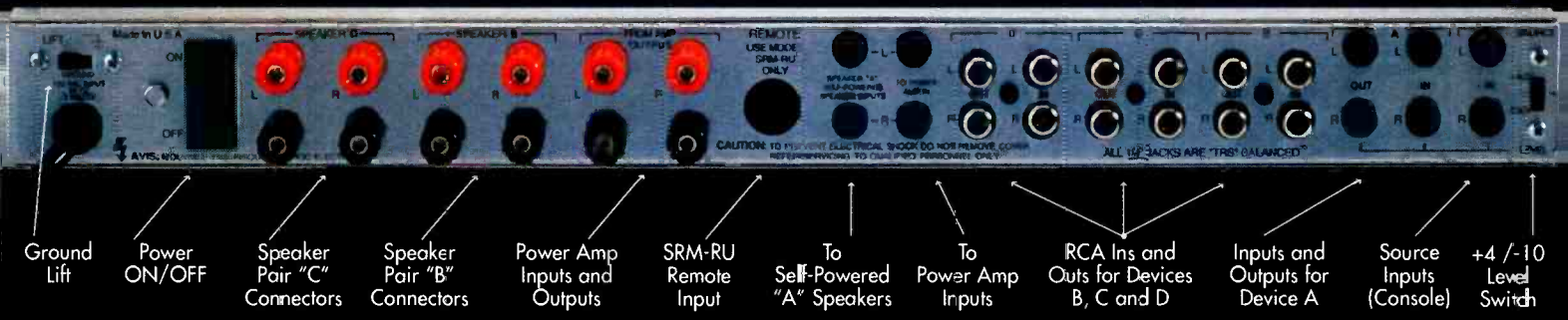
The PM-216 automated audio router provides 16x16 matrix, 2 buss mixing and MIDI patch command controls for audio signals. Each source and/or destination can programmed and stored in one of 64 "scene" memory locations. Routing functions are accomplished by means of 4 command buttons. Functions are indicated by means of an LED character readout. **Features:** two mixing buses which sum odd and even matrix outputs; MIDI command capability; DB25 connectors.

PM216 Mfr. List $699.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

MONITORING, MIXDOWN, AND DUBBING HAVE NEVER BEEN THIS EASY...





The new SRM-80 Signal Router/Monitor makes mixdown and dubbing simple, professional and affordable.

The SRM-80 provides signal routing and monitoring for four stereo devices (such as DAT, cassette, Mini Disc, CD-R, etc.) — plus the main console output. And it performs!

Multiple copies can all be made simultaneously. And that's only the beginning.

You can monitor using three different speaker pairs, *at the same loudness*, using Furman's exclusive "set-once" level trims.

Speaker button "A" switches line-level for driving self-powered monitors; B and C use a high power relay to redirect your power amp output to either of the two pairs.

The SRM-80 even has a built-in high-power headphone amp.

In fact, the SRM-80 is packed with features for your application: A high resolution 80-LED meter for precise level calibration of all stereo devices, MONO Sum to check for mix problems, a DIM button to reduce listening levels during interruptions, and more.

All five pushbutton functions are also available remotely on the optional SRM-RU, which includes a 10-foot cable.

The SRM-80 saves time and helps you get it right. Try it.

Optional SRM-RU Remote Control

FURMAN

FURMAN SOUND, INC.
1997 South McDowell Blvd.
Petaluma, CA 94954

Call BSW at 1-800-426-8434 for a free SRM-80 data sheet. Ask for Furman's new color catalog too.

CM AUTOMATION

PM64 - 32x32 Router/Level Controller

This programmable, fully balanced router/level controller delivers 32x32 matrix switching, level control and metering for audio signals. Suitable for recording studios, production facilities and broadcast applications, the PM64 is the most technologically advanced router in its class. Each source and/or destination level can be controlled via internal programming and MIDI/RS-232 ports. Wiring is accomplished by means of DB25 connectors or screw terminals (via optional DB-8 terminals) on the rear of the unit. Besides routing line level audio signals, this unit is capable of automating outboard devices by means of MIDI command capability. Each setup can be stored into non-volatile internal memory (90 program storage capacity for any application). **Features:** 32x32 inputs and outputs configured as mono or stereo pairs (expandable to 1000x1000 with multiple units); level control range -100dB to +10dB in 1dB increments; meter range -30 dBV to +20 dBV; program memory for 32 input levels, 32 output levels and 16 channel MIDI patch map; gold plated DB25 female connectors.

*PM64	Mfr. List $2,499.00	Call For BSW Price

FURMAN

SRM-80 - Signal Router/Monitor

The Furman SRM-80 signal router/monitor makes mixdown and dubbing simple and affordable. It facilitates mixdown and copying between different media types without tying up additional console channels and handles up to 4 stereo devices (such as DAT, cassette, CDs and MDs) – in addition to main mix from the board. Monitoring is easy using the built-in headphone amp or uniquely thought out amplified speaker selection system. **Features:** power amp drives two speaker pairs; unit also accommodates one pair of self-powered speakers; speaker select function switches between speaker pairs; 40-segment high resolution metering for L/R monitor outputs; VU metering; DIM button reduces level by -15 dB and MONO sum button helps identify mix problem for radio compatibility.

SRM-80	Mfr. List $499.00	Call For BSW Price

CONEX

AS101 - Audio Routing Switcher

Silent, active switching for studio routing and monitoring. **Features:** allows any one of 10 stereo sources to be switched to the stereo output channel; switching is accomplished by pressing one of the buttons on the front panel, or via the optional remote control; several remote controls may be connected in parallel, and all will indicate the selected channel.

AS101	10 x 1 stereo switch	Mfr. List $962.00	Call For BSW Price
AS401	remote control	Mfr. List $161.25	Call For BSW Price

HENRY ENGINEERING

SUPERELAY - Utility Control Interface

Superelay is deal for controlling various equipment functions that are activated by an independent source. **Features:** can be controlled by any switch, relay (momentary or maintained), or CMOS/TTL logic circuit; provides six double-throw relay outputs for low-voltage and audio switching plus an AC output switched with a solid-state synchronous relay; includes internal flasher unit and 24v dc power supply.

SUPERELAY	Mfr. List $250.00	Call For BSW Price

STEREOSWITCH - Stereo Switcher

StereoSwitch is a cost effective way to remotely select between 3 stereo sources. **Features:** sealed relays with gold-plated contacts; no circuitry in the audio path, for totally transparent source selection; controlled with any momentary or maintained contact closure, open collector, TTL/CMOS logic, or DC voltage from 5-24 volts. User can choose which of the three inputs is automatically selected on power-up. Tally outputs provided to drive remote status indicators.

STEREOSWITCH	Mfr. List $250.00	Call For BSW Price

LOGITEK

PRE-6/PRE-10 - Passive Audio Switchers

The PRE-6 provides reliable, economical audio switching in a compact desktop chassis that fits just about anywhere. **Features:** reliable 6 x 1 passive switching; buttons highlight when depressed; label strip for easy input identification; enclosed, protected terminal block; may also be used as a 1-in/6-out distribution switcher; wire capturing terminal block connectors.

PRE-10 shares the same basic features as the PRE-6, but is configured in a single-space rack mount chassis in which any of 10 inputs can be fed to either of two outputs. Available in mono or stereo configurations.

PRE6	6 x 1 desktop switcher	Mfr. List $125.00
PRE10M	mono 10 x 2 rack mount switcher	Mfr. List $515.00
PRE10S	stereo 10 x 2 rack mount switcher	Mfr. List $560.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

LOGITEK

MON-10 - Multisource Meter/Monitor

This very handy unit not only feeds any of 10 stereo inputs to a single stereo output, it allows you to meter and monitor any selected source. **Features:** built-in 6 watt power amp with front panel speaker (fed a mono sum of A+B); front panel headphone jack; multirange meter with input selection for A channel, B channel, A+B or A-B; designation strip; self-indicating buttons; all connections via wire captive terminal blocks.

*MON10 Mfr List $855.00 Call For BSW Price

RDL

RU-SX4 - Audio Switcher

A very compact audio switcher (mono 4x1) for either local or remote control. **Features:** 4 line level bridging inputs to a single line level output (balanced or unbalanced); front panel multi-turn trimmers; solid state audio switching; multiple switching control points; switcher powers up in the "off" position (no audio input selected); front panel pushbutton steps through audio sources (can be set to bypass unused inputs during source selection); remote source selection via normally open momentary switch (each time the button is pushed the RU-SX4 advances to the next audio source); 1/2 second audio-on delay prevents annoying bursts of audio while stepping through audio inputs; each selected source provides an open-collector output on the rear panel for remote source indication; front panel LED indicators show selected source.

See page 83-84 for Stick-On™ Series switcher.

RUSX4 Mfr. List $256.00 Call For BSW Price

TITUS

MLW-1/MLW-8 - Audio Routers

The MLW-1 intelligent router can automatically detect and correct for a loss of stereo channel, phase problems or silence in a stereo program path. **Features:** 3 balanced bridging stereo inputs feeding a single balanced stereo output; metering for L, R, L+R and L-R; automatic mode plus 6 manual modes (bypass, out-of-phase, sum, difference, duplicate); alarm for loss of channel or signal.

MLW-8 offers two 4x4 matrix-style routers that feature push-button patching (two 16-button arrays with LED indicators) and 20 memory presets. Perfect for use with VTR's or multitrack audio systems.

*MLW1 Mfr. List $1,800.00 Call For BSW Price

*MLW8 Mfr. List $1,995.00 Call For BSW Price

ADC

PRO PATCH PULL-OUT SERIES - Patchbays

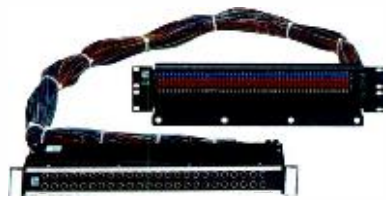
These pull-out versions of the popular ProPatch™ audio patch panel are designed for truck or studio applications where front access to terminations is needed. **Features:** rear panel design eliminates the need for rear access by sliding the jacks and terminations forward out of the rack, providing access to the QCP (quick connect punchdown) terminations mounted on the bottom of the tray; terminates up to 96 circuits in one rack space. **Options:** QCP or EDAC connectors; bantam or longframe models; normals brought out; normalled strapped at jacks; half-normalled; stub end umbilical configurations.

Call BSW For Price And Configuration

PROPATCH MARK II - Patchbays

Widely used in a number of pro audio industries, this very popular patchbay series offers absolutely bulletproof performance. **Features:** 48 TRS longframe jack points; available in 1 and 2 rack-height versions; fully enclosed ProPatch chassis protects all the internal patchbay wiring; cable support bar helps take strain off connections; wire fanning strips organize cables; designation strip system with replaceable cards; front panel and rear panels remove easily for service without removing the unit from the rack; includes ADC's Ultra Patch termination panels with QCP connectors that provide a "gas tight" connection that will not deteriorate over time.

Call BSW For Price And Configuration



BJF MARK II SERIES - Patchbays

The best features of the ProPatch™ Series are incorporated into the BJF Mark II Series of patchbays. **Features:** front and back panels separated with a cable harness in between; standard harness length is 4' but any custom length can be ordered.

***Call BSW For Price And Configuration**

PJ390 - Jack Panel

Two rows of 26 longframe jacks for your own custom wiring applications.

PJ390 Mfr. List $244.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

ADC

P-KIT SERIES - Patch Kits

These economical kits have many of the features of the pre-assembled patch bays, but in a package designed specifically for the do-it-yourselfer. Simply add your own cable and termination panel. 2 rack space units.

PKIT3	panel/long frame jacks 2x24	Mfr. List $229.00
PKIT3A	panel/long frame jacks 2x26	Mfr. List $249.00
PKITB1	panel/bantam jacks 2x48	Mfr. List $305.00

Call For BSW Prices

FOSTEX

DP8 - Digital Patch Bay

Looking for an easy and fast method of patching between digital recorders and digital mixers? Try the Fostex DP-8 digital patchbay. Ultra compact (single rack space) and simple to use, the DP-8 features 6 optical I/Os (ADAT & S/PDIF) and 2 coaxial I/Os (S/PDIF), with any input being routed to any output via the front panel rotary switches. S/PDIF signals can be seamlessly converted from optical to coaxial and from coaxial to optical. Plus, for ease of use, the optical I/O for channel 8 is conveniently located on the front panel for "temporary" patches.

*DP-8	Mfr. List $389.00	Call For BSW Price

TASCAM

CUPPB32 SERIES - Patchbays

Features: normalled connections for increased patching convenience; two rows of 16 jacks available in 1/4" mono, RCA, 1/4"/RCA combinations and Tip-Ring-Sleeve (TRS) connection points; two-circuit (4-jacks) modules can be reversed for configuration changes. **Options:** 17" patch cords with 1/4", RCA or TRS connectors.

*CUPB032R	1/4" TRS (balanced) front and back	Mfr. List $115.00
*CUPB032B	front jacks 1/4"/rear jacks RCA	Mfr. List $145.00
*CUPB032H	12 1/4" and 20 RCA circuits	Mfr. List $117.50
*PB-32R	RCA jacks front and rear	Mfr. List $115.00
*CUPC245	1/4" to 1/4" patch cords (set of 8)	Mfr. List $20.00
*CUPC145	RCA to RCA patch cords (set of 8)	Mfr. List $15.00
*CUPC945	TRS to TRS patch cords (set of 8)	Mfr. List $27.50

Call For BSW Prices

STUDIOHUB

STUDIOHUB - Console Harnesses and Studio Wiring System

This plug-and-play system makes studio wiring and rewiring simple. Using CAT-5 shielded twisted pair (STP) cables, StudioHub efficiently routes both analog and digital signals throughout a facility. STP cable, widely used in the computer industry, is preferred for analog and digital signals in broadcast for many reasons: 100-ohm impedance and low capacitance range; excellent performance at audio frequencies; wide bandwidth and wide availability.

Starting with easy-to-use console harnesses consisting of connector hubs and pre-wired cables (customized console pin-outs at one end; RJ-45 at the other), StudioHub dramatically reduces time for on-site wiring. Beyond console harnesses, StudioHub has pre-wired source cables, connector blocks and companion amplifiers for the rest of your studio equipment. Accessories include: balancing amplifiers, microphone pre-amps, headphone amps and various switching and adaptor plates using the StudioHub's standard RJ-45 connector type, and the unique DC-Link auto power system.

StudioHub comes in complete console and studio wiring packages (as well as custom ordered parts and accessories). Pre-made console harness kits include cabling for all console A+B inputs, and program and monitor outputs (specify console type when ordering). All harness cables are 7 ft. standard.

The 1HUBHARNESS for a 6-channel console includes cables for 12 inputs, 2 outputs and 4 monitors. 2HUBHARNESS for an 8-12-channel console includes cables for 24 inputs, 4 outputs and 8 monitors. 3HUBHARNESS for an 18-channel console includes cables for 36 inputs, 6 outputs and 12 monitors. 4HUBHARNESS for a 20-24-channel console includes cables for 48 inputs, 8 outputs and 16 monitors.

To go beyond console wiring, studio wiring kits include pre-made cables and MatchJack™ adaptors to connect your console harness to all source equipment. MatchJack adaptors connect RJ-45 patch cables to various source equipment I/Os and are available with active amplifiers to balance consumer gear, or as passive connector adaptors.

The SMSTUDIOKIT package for a 6-channel console studio includes 1 Hub power supply, 2 MatchJack output amplifiers, 1 MatchJack input amplifier, 1 mic XLR connector with well mount, 1 headphone amplifier with well mount, 6 single MatchJack adaptors, 2 dual MatchJack adaptors, 3 each 7', 10', 12', 15', RJ-45 patch cables. MIDSTUDIOKIT for an 8-12-channel console studio includes 1 Hub power supply, 2 MatchJack output amplifiers, 1 MatchJack input amplifier, 2 mic XLR connector with well mount, 2 heaphone amps with well mount, 12 single MatchJack adaptors, 4 dual MatchJack adaptors, 6 each 7', 10', 12', 15', RJ-45 patch cables. LGSTUDIOKIT for an 18-channel console studio includes 1 Hub power supply, 4 MatchJack output amps, 2 MatchJack input amps, 3 mic XLR connector with well mount, 3 heaphone amps with well mount, 18 single MatchJack adaptors, 6 dual MatchJack adaptors, 8 each 7', 10', 12', 15', RJ-45 cables. XLSTUDIOKIT for a 20-24-channel console studio includes 1 Hub power supply, 4 MatchJack output amplifiers, 2 MatchJack input amplifier, 3 mic XLR connector with well mount, 3 heaphone amps with well mount, 24 single MatchJack adaptors, 8 dual MatchJack adaptors, 12 each 7', 10', 12', 15', RJ-45 cables.

1HUBHARNESS	Mfr. List $665.00	Call For BSW Price
2HUBHARNESS	Mfr. List $1,295.00	Call For BSW Price
3HUBHARNESS	Mfr. List $1,920.00	Call For BSW Price
4HUBHARNESS	Mfr. List $2,550.00	Call For BSW Price
SMSTUDIOKIT	Mfr. List $910.00	Call For BSW Price
MIDSTUDIOKIT	Mfr. List $1,300.00	Call For BSW Price
LGSTUDIOKIT	Mfr. List $1,885.00	Call For BSW Price
XLSTUDIOKIT	Mfr. List $2,165.00	Call For BSW Price

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Capture the Warmth. Vintage-style.

When it comes to capturing the essence of a musical moment, every nuance... each subtlety... it's hard to beat the warmth of a vintage-style, large-diaphragm microphone.

That's why we created the new AT4047/SV. It offers the sonic characteristics reminiscent of early F.E.T. studio microphones and delivers the consistent performance and reliability you've come to expect from A-T's 40 Series.

The AT4047/SV gives you a perfect blend of classic sound and modern precision engineering. We call it a contemporary replication of vintage condenser technology. You'll call it amazing.

AT4047/SV Cardioid Capacitor Microphone

audio-technica.

Audio-Technica U.S., Inc. | 1221 Commerce Drive, Stow, OH 44224

AKG

SOLIDTUBE - Condenser Mic

Type: large diaphragm tube condenser. **Pickup Pattern:** cardioid. **Features:** pressure gradient transducer with 1" gold sputtered diaphragm and vacuum tube preamplifier; extremely low self-noise coupled with the unmistakable warm "tube sound"; low-cut switch eliminates noise below 100 Hz; integrated pop screen; switchable 20 dB pre-attenuation pad; frequency range 20-20,000 Hz; includes elastic shock mount suspension, power supply and flight case.

SOLIDTUBE **Mfr. List $1,165.00**

Call For BSW Price

C414BULS - Condenser Mic

Type: large diaphragm electret condenser. **Pickup Pattern(s):** cardioid, hypercardioid, omnidirectional and figure-8. **Features:** low self-noise; high overload point; 126 dB dynamic range; switchable 10 & 20 dB attenuation; frequency range 20-20,000 Hz; includes stand adapter and windscreen; requires phantom power. **Optional Accessories:** GS-5 windscreen.

C414-TL2 is a special vocal version with transformerless output and a special capsule tuned to the human voice.

C414BULS **Mfr. List $1,048.00**

C414B/TLII **Mfr. List $1,165.00**

Call For BSW Prices

C3000B - Condenser Mic

Type: large diaphragm electret condenser. **Pickup Pattern:** cardioid. **Features:** true 1" diaphragm; gold-sputtered membrane; 6 dB/octave bass roll-off switch; switchable 10 dB internal pad for use in high SPL environments; 3mm thick internal windscreen; includes elastic spider suspension. **Optional Accessories:** GS-5 windscreen.

C3000B **Mfr. List $498.00**

Call For BSW Price

C4000B - Condenser Mic

Type: large diaphragm electret condenser. **Pickup Pattern(s):** omni-directional, cardioid, and hypercardioid. **Features:** 1" diaphragm; gold-sputtered membrane; 3mm thick internal windscreen; optimized transformerless output stage insures the accuracy of low frequency; switchable 10 dB internal pad; 12 dB/octave bass roll-off at 100 Hz; max SPL 155 dB @ 0.5% THD; includes elastic spider suspension and windscreen.

C4000B **Mfr. List $707.00**

Call For BSW Price

ALESIS/GT ELECTRONICS

AM51/AM52 - FET Mic

Type: FET; **Pickup Pattern AM51:** cardioid. **Patterns AM52:** cardioid, omnidirectional and figure-8. **Features:** high SPL handling capability; switchable -10 dB pad; switchable LF roll-off (80Hz); includes stand mount and hard-shell case.

AM51 **Mfr. List $549.00**

AM52 **Mfr. List $699.00**

Call For BSW Prices

AUDIO TECHNICA

AT4047/SV - Capacitor Mic

Type: large diaphragm, externally polarized (DC bias) capacitor. **Pickup Pattern:** cardioid. **Features:** low self-noise, wide dynamic range and very high SPL capability; gold-plated dual diaphragms; switchable 80 Hz hi-pass filter and 10 dB pad; includes shock mount.

AT4047SV **Mfr. List $695.00**

Call For BSW Price

AT4033/SM - Condenser Mic

Type: large-diaphragm condenser. **Pickup Pattern:** cardioid. **Features:** sensitivity and dynamic range of higher-end studio mics; switchable high-pass filter; internal windscreen; includes spider shock mount. **Optional Accessories:** GS-5 windscreen.

The AT4050/CM5 is similar to the AT4033 and adds omni-directional and figure-8 polar patterns.

AT4033SM **Mfr. List $495.00**

AT4050/CM5 **Mfr. List $995.00**

Call For BSW Prices

AT4060 - Tube Mic

Type: vacuum tube capacitor. **Pickup Pattern:** cardioid. **Features:** low self-noise; high max SPL; wide dynamic range; includes power supply with rack adaptors, shock mount, 10-meter cable, AC power cable and protective mic carrying case.

AT4060 **Mfr. List $1,695.00**

Call For BSW Price

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FOR EVERY VOICE

You've spent years perfecting your voice with just the right articulation and timbre to get you into broadcast. You need a microphone that faithfully delivers that sound to your audience. That's why broadcasters everywhere choose the Electro-Voice RE20 and RE27N/D. Their wide-band response and Variable-D® design delivers an outstandingly clear performance every time. Variable-D® eliminates the up-close "proximity effect" bass boost that makes other directional microphones sound "muddy."

Why not check out EV's entire family of problem-solving broadcast microphones. Every one guaranteed unconditionally against malfunction from even accidental abuse, for two years from the date of purchase. The first choice of professionals...

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AUDIO TECHNICA

AT3525 - Condenser Mic

Type: condenser. **Pickup Pattern:** cardioid. **Features:** outstanding performance; flat, extended frequency response (30 Hz to 20 kHz; high SPL handling capability (146 dB); switchable 80 Hz hi-pass filter; 10 dB pad; includes multi-position shock mount and protective pouch.

AT3525 **Mfr. List $339.00**

Call For BSW Price

AUDIX

CX101/CX111 - Condenser Mics

Type: large capsule condenser. **Pickup Pattern:** cardioid. **Features:** very low noise floor (17 dBA); rugged brass housing with black satin finish; CX111 includes a -10 dB pad and bass roll-off switch; both mics include a shock mount and aluminum carrying case. **Optional Accessories:** 2-channel phantom power supply and windscreen.

CX101 **Mfr. List $499.00**

CX111 **Mfr. List $599.00**

Call For BSW Prices

BEYER

M99 - Dynamic Cardioid Mic

Type: dynamic. **Pickup Pattern:** cardioid. **Features:** large diaphragm neodymium specially tuned element; selectable equalization curves; excellent off-axis rejection; very low handling noise; robust sound; includes suspension mount.

M99 **Mfr. List $795.00**

Call For BSW Prices

ELECTRO-VOICE

RE1000 - Studio Condenser Mic

Type: large diaphragm condenser. **Pickup Pattern:** cardioid; **Features:** extremely high sensitivity; low self-noise; wide dynamic range; low frequency roll-off switch; includes stand clamp and protective case. **Optional Accessories:** 325 spider shock mount; GS-5 windscreen.

RE1000 **Mfr. List $598.00**

Call For BSW Price

ELECTRO-VOICE

RE27N/D - Dynamic Cardioid Mic

Type: dynamic. **Pickup Pattern:** cardioid; **Features:** neodymium alloy magnet provides sensitivity, output and clarity that rivals expensive studio condensers; very consistent response no matter the distance from the mic; excellent off-axis rejection; includes stand clamp. **Optional Accessories:** 309A spider shockmount; WS1 windscreen.

RE27N/D **Mfr. List $798.00**

Call For BSW Price

RE20 - Dynamic Cardioid Mic

Type: dynamic. **Pickup Pattern:** cardioid. **Features:** very consistent response no matter the distance from the mic; excellent off-axis rejection; frequency response 45 Hz to 18 kHz; includes stand clamp. **Optional Accessories:** 309A spider shock mount; WS1 windscreen.

RE20 **Mfr. List $798.00**

Call For BSW Price

NEUMANN

TLM103 - Cardioid Condenser Mic

Type: large diaphragm condenser. **Pickup Pattern:** cardioid. **Features:** ultra-low (7 dBA) self noise; extremely wide (131 dB) dynamic range; exceptionally warm and present sound; includes swivel mount and wooden box. **Optional Accessories:** EA103 spider shock mount; WS87 windscreen.

TLM103 **Mfr. List $995.00**

Call For BSW Price

M147 - Vacuum Tube Condenser Mic

Type: vacuum tube condenser. **Pickup Pattern:** cardioid. **Features:** extremely low self-noise; dual diaphragm capsule; transformerless circuitry; includes metal swivel stand, universal power supply, cable and aluminum carrying case. **Optional Accessories:** EA1 spider shock mount; WS87 windscreen.

M147 **Mfr. List $1,995.00**

Call For BSW Price

* Non-inventory item subject to return restrictions.

The Sound Of Broadcast Professionals Worldwide

KSM32

SM2

Shure microphones and circuitry products are used extensively throughout the world by broadcasters who demand nothing but the best. Robust mixers designed for the rough and tumbled world of life on the road. Microphones that cater to all kinds of voices in all kinds of settings. When thousands of listeners and (your career) are on the line, settle for nothing less than ... Shure.

SM63LLC

VP64A

SM57

SM58

FP410

M367

FP42

FP33

SM7A

FP22

SHURE

NEUMANN

U87AI - Multi-Pattern Condenser Mic

Type: large-diaphragm condenser. **Pickup Pattern(s):** cardioid, omnidirectional and figure-8. **Features:** exceptional warmth and clarity; 115 dB dynamic range; 20 to 20,000 Hz frequency range. **Optional Accessories:** EA87 spider shockmount (also sold together with cable and windscreen as Set Z); SG367 swivel mount; WS87 windscreen.

U87AI Mfr. List $2,825.00
Call For BSW Price

TLM193 - Cardioid Condenser Mic

Type: large diaphragm, double membrane condenser. **Pickup Pattern:** cardioid. **Features:** very low self noise (10 dB-A) ; extremely clear; warm sound; 130 dB dynamic range; precision German craftsmanship; includes swivel mount and wooden box. **Optional Accessories:** EA193 spider shockmount; WS89 windscreen.

TLM193 Mfr. List $1,495.00
Call For BSW Price

RØDE

NT1/NT2 - Condenser Mics

NT1 Type: large diaphragm condenser. **Pickup Pattern:** cardioid. **Features:** low noise transformerless FET circuitry; gold plated diaphragm membranes; pop filtering; 135 dB dynamic range; frequency response 20 to 20,000 Hz; plastic flight case.

NT2 Type: large diaphragm condenser. **Pickup Pattern(s):** omnidirectional and cardioid. **Features:** gold plated diaphragm membranes; high-pass filter; -10 dB pad; frequency response 20 to 20,000 Hz. **Optional Accessories:** SM1 shock mount; windscreen; aluminum flight case.

NT1RODE Mfr. List $349.00
NT2 Mfr. List $649.00
Call For BSW Prices

BROADCASTER - Condenser Mic

Type: large diaphragm condenser. **Pickup Pattern:** cardioid. **Features:** ultra-low noise; switch-controllable red "ON-AIR" indicator light; gold-sputtered pressure gradient transducer; voice-tailored low-cut filter; pop filtering; internally shock-mounted capsule; rugged stainless steel body.

NT3 Mfr. List $599.00
Call For BSW Price

RØDE

NTV - Cardioid Condenser Valve Mic

Type: large diaphragm condenser mic. **Pickup Pattern:** cardioid. **Features:** capsule design is a true externally biased condenser with 1 inch, 6 micron, 24K gold-sputtered Mylar diaphragm; extremely high-grade twin triode valve pre-amplifier; noise >19 dBA; sensitivity 15 mV/Pa; max SPL 130 dB; output impedance 200 ohm; stainless steel body; includes shock mount, basic stand mount adaptor and aluminum carrying case.

NTV Mfr. List $1,199.00
Call For BSW Price

SENNHEISER

MD421II - Dynamic Cardioid Mic

Type: dynamic. **Pickup Pattern:** cardioid. **Features:** very rugged construction; five-position bass roll-off switch; frequency response 30 to 17,000 Hz; includes stand clamp. **Optional Accessories:** MZS421 suspension mount; WS1 windscreen.

MD421II Mfr. List $485.00
Call For BSW Price

SHURE

KSM32 - Condenser Mic

Type: large diaphragm condenser. **Pickup Pattern:** cardioid. **Features:** extended frequency response for open, natural sound; exceptionally low self noise; gold-layered, ultra-thin diaphragm; transformerless pre-amplifier circuitry; 15 dB attenuation switch; low-frequency filter and three-stage pop protection. Champagne-colored model includes locking aluminum carrying case, elastic suspension shock mount and swivel mount.

KSM32SL Mfr. List $1,029.00
Call For BSW Price

SM7A - Dynamic Cardioid Mic

Type: dynamic. **Pickup Pattern:** cardioid. **Features:** extra warm sound; pronounced proximity effect; choice of four response curves; frequency response 40 to 16,000 Hz; integral shock mounting; built-in windscreen.

SM7A Mfr. List $584.00
Call For BSW Price

* Non-inventory item subject to return restrictions.

AKG

C535EB - Condenser Mic

Type: condenser. **Pickup Pattern:** cardioid. **Features:** studio quality for vocals; switchable 14 dB attenuation (pad) and bass roll-off; frequency response 20 Hz to 20 kHz; includes stand clamp. **Optional Accessories:** WS300 series windscreen; M10 or M25 mic cables.

*C535EB Mfr. List $376.00

Call For BSW Price

AUDIO TECHNICA

AT804 - Dynamic Mic

Type: dynamic. **Pickup Pattern:** omnidirectional. **Features:** excellent interview mic; super rugged construction; frequency response 50 Hz to 15 kHz; includes stand clamp and carrying bag. **Optional Accessories:** WS600 series windscreen; M10 mic cable; IC6 interview cable (XLR/mini).

AT804 Mfr. List $110.00

Call For BSW Price

AUDIX

OM6/OM5 - Dynamic Mics

Type: dynamic. **Pickup Pattern:** hypercardioid. **Features:** designed for voice; high output with natural, undistorted sound; extended low end response; high SPL levels without distortion; very low handling noise; superior off-axis rejection. **Optional Accessories:** WS900 series windscreen; M25 cable.

OM5 is more affordable and lacks some of the extended low end response of the OM6.

OM6 Mfr. List $349.00

OM5 Mfr. List $299.00

Call For BSW Prices

BEYER

M01 - Dynamic Mic

Type: dynamic. **Pickup Pattern:** supercardioid. **Features:** excellent off-axis rejection; internal shock suspension; on/off switch; very affordable; includes stand clamp and zippered case. **Optional Accessories:** WS600 series windscreen; M25 mic cable.

M01 Mfr. List $109.00

Call For BSW Price

BEYER

M58/MCE58 - Dynamic Mics

Type: dynamic. **Pickup Pattern:** omnidirectional. **Features:** designed for ENG and EFP; internal shockmount dramatically reduces handling noise; accurate voice reproduction; high intelligibility; frequency response 40 Hz to 20,000 Hz; includes WS58 windscreen and zippered case.

MCE58 is a condenser mic version for DAT and MD recording with on/off switch.

M58 Mfr. List $279.00

MCE58 Mfr. List $419.00

Call For BSW Prices

ELECTRO-VOICE

635N/D - Dynamic Mic

Type: dynamic. **Pickup Pattern:** omnidirectional. **Features:** N/DYM™ magnet provides increased output and sensitivity; rugged construction; includes stand clamp and unterminated cable; beige or black. **Optional Accessories:** WS600 series windscreen.

635ND Mfr. List $178.00

Call For BSW Price

635A/635L - Dynamic Mics

Type: dynamic. **Pickup Pattern:** omnidirectional. **Features:** super rugged construction; voice-tailored response; popular interview mic; includes stand clamp and unterminated cable; beige or black. **Optional Accessories:** WS600 series windscreen.

635A standard length Mfr. List $166.00

635L extended length Mfr. List $184.00

Call For BSW Prices

RE50/RE50N/D - Dynamic Mics

Type: dynamic. **Pickup Pattern:** omnidirectional. **Features:** standard or neodymium models; similar to the 635A, plus built-in shock-mount and blast filter for low handling and wind noise; black.

RE50B standard Mfr. List $238.00

RE50ND neodymium Mfr. List $258.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

ELECTRO-VOICE

RE16 - Dynamic Mic

Type: dynamic. **Pickup Pattern:** super-cardioid. **Features:** wide, flat response and uniform super-cardioid pattern with minimal off-axis coloration; frequency response 80 Hz to 15 kHz; includes stand clamp. **Optional Accessories:** WS300 series windscreen.

RE16 **Mfr. List $318.00**

Call For BSW Price

N/D267 / N/D767 - Dynamic Mic

N/D267 **Type:** dynamic. **Pickup Pattern:** cardioid. **Features:** large diaphragm for extended frequency response; tuned for vocal clarity; multistage shock mount for very low handling noise; includes stand clamp and soft carry bag.

N/D767 adds bass roll-off switch and a gentle rise in mid-frequencies. **Optional Accessories:** WS300 series windscreen.

ND267A **Mfr. List $150.00**

ND767 **Mfr. List $258.00**

Call For BSW Prices

SHURE

SM57LC - Dynamic Mic

Type: dynamic. **Pickup Pattern:** cardioid. **Features:** all purpose – great for voice or instruments; rugged construction; frequency response 40 to 15,000 Hz; includes stand clamp and protective vinyl pouch. **Optional Accessories:** WS5700 series windscreen; M25 mic cable.

SM57LC **Mfr. List $146.00**

Call For BSW Price

SM58LC - Dynamic Mic

Type: dynamic. **Pickup Pattern:** cardioid. **Features:** world standard vocal mic; distinctive vocal presence peak; integral windscreen; includes stand clamp and case; **Optional Accessories:** WS900 series windscreen; M25 mic cable.

SM58LC **Mfr. List $188.00**

Call For BSW Price

SHURE

BG2.1 - Dynamic Mic

Type: dynamic. **Pickup Pattern:** cardioid. **Features:** great for vocals; high output neodymium magnet for extra punch; hardened, steel mesh grille with built-in pop filter; frequency response 70 to 13,000 Hz; 15 ft. XLR-to-XLR cable, storage bag and break resistant swivel adaptor.

BG2.1 **Mfr. List $105.00**

Call For BSW Price

VP64A - Dynamic Mic

Type: dynamic. **Pickup Pattern:** omni-directional. **Features:** sleek and rugged handheld mic for interviews; neodymium magnet provides increased output and improved clarity; includes windscreen and stand clamp. **Optional Accessories:** M10 mic cable; IC6 interview cable.

VP64AL has longer (9 5/8") handle.

VP64A **Mfr. List $118.00**

VP64AL **Mfr. List $138.00**

Call For BSW Prices

BETA58A - Dynamic Mic

Type: dynamic. **Pickup Pattern:** super-cardioid. **Features:** warmth of an original SM58 with an even smoother presence rise and extended top end; superior shock isolation and tight polar pattern help eliminate unwanted handling and background noise; includes stand clamp and case; **Optional Accessories:** WS900 series windscreen; M25 mic cable.

BETA58A **Mfr. List $288.85**

Call For BSW Price

BETA87A - Condenser Mic

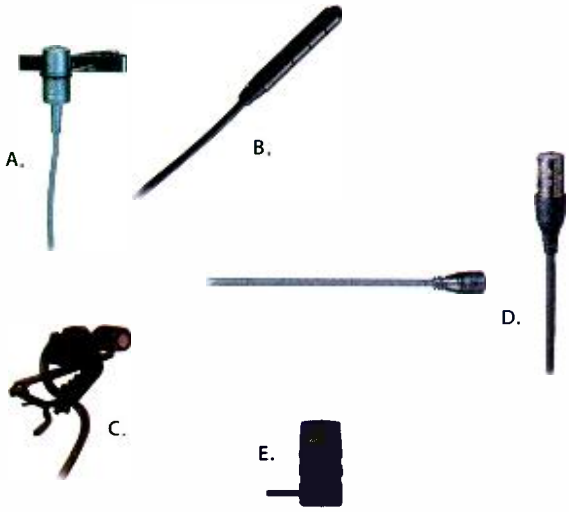
Type: condenser. **Pickup Pattern:** super-cardioid. **Features:** studio quality sound for live vocals; excellent gain-before-feedback; sleek body design is perfect for handheld use; 3 stage pop filter; requires phantom power. **Optional Accessories:** WS900 series windscreen; M25 mic cable.

BETA87 **Mfr. List $445.08**

Call For BSW Price

* Non-inventory item subject to return restrictions.

SPECIALTY MICROPHONES



A. AUDIO TECHNICA AT803B - Lavalier Mic

Type: condenser lavalier. **Pickup Pattern(s):** omni-directional. **Features:** high intelligibility for vocal reproduction; low frequency roll-off switch; includes clothing clip, windscreen and case. Requires AA battery or 9-52 volt phantom power. **Optional Accessories:** AT8412 double tie clip; AT8414 tie tac clip; M10 or M25 mic cables.

AT803B	Mfr. List $190.00	Call For BSW Price

B. BEYER MCE715 - Lavalier Mic

Type: electret condenser lavalier. **Pickup Pattern:** omni-directional. **Features:** extremely small and unobtrusive; wide frequency response; insensitive to handling noise. Requires phantom power. **Optional Accessories:** MKV50 tie clip with XLR pre-amp.

MCE715	Mfr. List $499.00	Call For BSW Price

C. ELECTRO-VOICE RE90L - Lavalier Mic

Type: electret condenser mini-lavalier. **Pickup Pattern:** omni-directional. **Features:** smaller than a standard paper clip; 50 Hz to 18 kHz frequency response; extremely durable with 6' cable; 12-52 volt phantom power required; includes external windscreen, universal tie clip, tie tack and vinyl pouch. **Optional Accessories:** M10 or M25 mic cables.

RE90L	Mfr. List $218.00	Call For BSW Price

D. SENNHEISER MKE SERIES - Lavalier Mics

Type: subminiature condenser lavalier. **Pickup Pattern(s):** MKE 2 and MKE102 omni-directional; MKE104 cardioid. **Features MKE 2:** industry standard for television broadcasting; steel reinforced cable is permanently attached. **Features MKE 102/104:** interchangeable mic capsules; optimized for speech; extremely small size; low self-noise; includes windscreen. All mic packages include K6 power module, tie clip and plastic storage case. Versions available for use with Shure, Telex, Vega, Samson and Lectrosonics wireless systems.

MKE2-60/K6	MKE2, K6, tie clip, case	Mfr. List $647.00
MKE102S/K6	MKE102, K6, tie clip, case	Mfr. List $642.00
MKE104S/K6	MKE104, K6, tie clip, case	Mfr. List $642.00

Call For BSW Prices

E. SHURE MX180 SERIES - Lavalier Mics

Type: electret condenser lavalier. **Pickup Pattern(s):** omni, cardioid, or supercardioid (specify one). **Features:** small and unobtrusive; removable capsules; terminated in TA4F connector (fits wireless systems) that plugs into the included belt-clip preamp (XLR); includes single and dual tie clips and snap-fit foam windscreen; specify cardioid, supercardioid or omni.

MX18...	Mfr. List $260.00-$290.00	Call For BSW Price

SPECIALTY MICROPHONES

F. SENNHEISER ME66 - Short Shotgun Mic

Type: condenser shotgun. **Pickup Pattern(s):** supercardioid. **Features:** extremely high sensitivity; very low self-noise; slightly high-frequency boost for greater intelligibility on long range pickup. Requires K6 power module (single AA battery or phantom power). **Optional Accessories:** MZW60-1 blimp windscreen; shockmount; pistol grip.

ME66	Mfr. List $250.00	Call For BSW Price
K6	Mfr. List $285.00	Call For BSW Price

G. SENNHEISER MKH60/MKH70 - Short/Long Shotgun Mics

Type: condenser shotguns. **Pickup Pattern(s):** MKH60 supercardioid/lobar, MKH70 lobar. **Features:** ultra-low noise; high linearity; exceptionally low inherent self-noise; switchable treble emphasis; switchable roll-off filter; infrasonic cut-off filter (-18 dB/oct.); very lightweight. MKH60 length 11 inches. MKH70 length 16 inches. **Optional Accessories:** phantom power supplies, windscreens; shockmounts; pistol grip.

MKH60P48	Mfr. List $1,600.00	Call For BSW Price
MKH70P48	Mfr. List $1,850.00	Call For BSW Price

H. SHURE SM89 - Shotgun Mic

Type: condenser shotgun. **Pickup Pattern:** supercardioid. **Features:** natural sound; unique port design which decreases off-axis coloration; ultra-light construction; includes windscreen and carrying case. **Optional Accessories:** A89SM shock mount.

SM89	Mfr. List $1,112.40	Call For BSW Price

I. BEYER MCE86/87 - Short Shotgun Mics

Type: condenser shotgun. **Pickup Pattern(s):** lobe/hypercardioid. **Features:** high sensitivity; superb off-axis rejection; non-reflective finish; supplied with shockmount and stand clamp. **Optional Accessories:** fishpole booms, blimp windscreen and various shockmounts.

MCE86S.1	battery/phantom/XLR	Mfr. List $529.00	Call For BSW Price
MCE87S	camcorder version	Mfr. List $489.00	Call For BSW Price

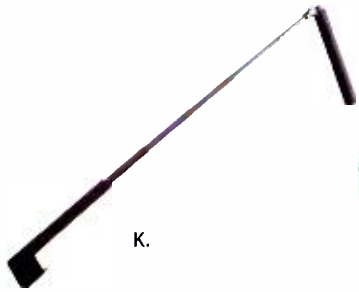
J. BEYER MC837 - Long Shotgun Mic

Type: condenser shotgun. **Pickup Pattern:** hypercardioid lobe. **Features:** very wide frequency response; 12 dB attenuation switch; low self noise; superb off-axis noise rejection; phantom power supply; length 20 inches.

MC837PV	Mfr. List $1,479.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

SPECIALTY MICROPHONES



K.

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K. ELECTRO-VOICE ENG618 - Boom/Shotgun Mic

Type: condenser. **Pickup Pattern:** hypercardioid. **Features:** highly directional and easy to hold; 18 inch to 25 ft. coverage; extremely lightweight (just 2 lbs.) and perfectly balanced; phantom or battery powered; built-in headphone amp with adjustable gain; telescoping boom arm which extends to 6 ft.

ENG618 **Mfr. List $1,398.00** **Call For BSW Price**

L. AUDIO TECHNICA AT825/AT822 - X/Y Stereo Mics

Type: condenser. **Pickup Pattern:** X/Y stereo. **Features:** fully mono compatible; 220° pickup field; LF roll-off switch; AA battery/phantom powering; AT825 has dual XLR output cable; AT822 has dual mini plug and stereo mini plug output cables (perfect for portable DATs and video cams), mics include windscreen, mic clip and vinyl pouch.

AT825 standard XLR version **Mfr. List $525.00** **Call For BSW Price**

AT822 DAT/camera version **Mfr. List $399.00** **Call For BSW Price**

M. AUDIO TECHNICA AT895 - Adaptive-Array Mic System

The AT895 system incorporates a revolutionary DSP-controlled 5-element microphone array that provides adaptive directional audio acquisition. Utilizing A-T's DeltaBeam™ technology, the AT895 manipulates and filters the output of the array by acoustical, analog and digital means. This process enhances the pickup of a sound source from a desired direction relative to unwanted background noise or interference, providing cancellation of up to 80 dB. It's perfect for handheld interviews as well as long-range sound pickup.

The AT895RK package includes microphone; 6-conductor shielded cable (10') with XLR7F connectors; carrying case; zepplin-type windscreen; pistol-grip shockmount; click-on battery holder; AT895CP control pack.

AT895RK **Mfr. List $2,995.00** **Call For BSW Price**

N. BEYER MCE82 - Stereo Mic

Type: condenser. **Pickup Pattern(s):** two condenser capsules with cardioid polar patterns. **Features:** angular width 90° (± 45° of the microphone axis); elastic transducer suspension system; switchable bass roll-off switch; battery or phantom powered; LED indicator for battery condition.

MCE82 **Mfr. List $749.00** **Call For BSW Price**

O. SHURE VP88 - Stereo Mic

Type: condenser. **Pickup Pattern(s):** M-S stereo. **Features:** adjustable stereo width control and direct mid and side element output; fully mono compatible; includes windscreen, stand clamp and XLR "Y" cable. Requires phantom power or internal 6-volt battery. **Optional Accessories:** A88SM shock mount; A88ZK zeppelin windscreen kit.

VP88 **Mfr. List $1,194.00** **Call For BSW Price**

AUDIO TECHNICA

7000 SERIES UHF - Multi-Channel Wireless Mic Systems

The 7000 series from Audio-Technica offers two low-cost UHF systems for guitar and vocals. **Features:** 100 PLL-synthesized channels selectable via switches on receiver and transmitter; True Diversity operation selects the better signal from two independent receiver sections, reducing drop-outs; interference-resistant UHF band operation; ground-lift switch and adjustable squelch control; balanced XLR and unbalanced 1/4" audio output jacks; operating range of 300 ft. typical. The ATW-7375 UniPak™ Transmitter system includes receiver and transmitter (add from a number of wireless mic or cable options). The transmitter includes Super Hi-Z input that provides optimum load for guitar pickups. ATW-7376 includes receiver and handheld mic/transmitter featuring a dynamic element with internal shock mounting.

ATW7375 receiver and transmitter **Mfr. List $975.00**

ATW7376 receiver and handheld mic/transmitter **Mfr. List $995.00**

Call For BSW Prices

1100 SERIES - Wireless Mic Systems

Popular and cost effective wireless mic systems that offer excellent features and performance. **Features:** true diversity with independent RF sections; adjustable squelch control; balanced and unbalanced audio I/O; dual power settings for extended range or extended battery life; rugged metal receiver chassis with included rack hardware.

ATW1128 dynamic handheld system **Mfr. List $549.00**

ATW1127 receiver and body pack transmitter **Mfr. List $479.00**

MT830CW lavalier microphone for ATW1127 **Mfr. List $91.00**

Call For BSW Prices

SENNHEISER

1000 SERIES UHF - Wireless Mic Systems

Outstanding performance in an ultra-reliable UHF system that is engineered for the rigors of broadcasting. **Features:** up to 16 frequencies; unique slide-on rack ears let you configure single or dual rack systems in seconds; excellent receiving range; very reliable UHF transmission; includes carrying case – plus even a battery and cable for plugging into your system.

*SET1083U MKE-2 lavalier system **Mfr. List $1,795.00**

*SET1081U handheld system **Mfr. List $1,695.00**

Call For BSW Prices

* Non-inventory item subject to return restrictions.

SHURE

UHF SERIES - UHF Wireless Mic Systems

Shure UHF wireless mic systems deliver high-quality UHF performance. You can choose from a premium assortment of handheld, lavalier and head worn microphones; single or dual receivers; body transmitters; remote antenna kits and accessories. The systems feature MARCAD® diversity circuitry, which provides the combined benefits of two independent RF sections for remarkable sensitivity and improved reception. **Features:** 191 frequencies to choose from; transmitters offer 12-hour battery life; receivers may be linked together; LCD display; and more.

***Call For System Configurations And BSW Prices**

SC SERIES VHF - Wireless Mic Systems

Features: 8 user selectable frequencies (4 on travelling systems); single on/off switch in transmitter supported by mute in receiver; battery fuel gauge to show how much power is left; half-rack width, metal chassis; 5-segment RF and audio metering; unbalanced and balanced XLR, mic/line switchable outputs; handheld and lavalier transmitters with popular Shure microphone elements that are perfectly matched to the system electronics.

SC24/58	SM58 handheld system	Mfr. List $1,068.00
SC14/83	omni lavalier system	Mfr. List $966.00

Call For BSW Prices

LX SERIES VHF - Wireless Mic Systems

Features: 5-segment RF level meters for A and B antennas; 5-segment audio level indicator; easily accessible noise-sensing squelch adjustment; half-rack width, metal chassis; 3-segment transmitter battery fuel gauge to show how much power is left; unbalanced and balanced XLR, mic/line switchable outputs; transmitters engineered with Shure's renowned components and designed to correspond flawlessly with system electronics; audio muting.

LX24/58	SM58 handheld system	Mfr. List $852.00
LX14/83	omni lavalier system	Mfr. List $768.00

Call For BSW Prices

SHURE

UT SERIES - UHF Wireless Mic Systems

Shure's UT series offers five application-specific UHF systems. All systems offer MARCAD® diversity technology and noise squelch circuitry. Each system is composed of a body pack or handheld transmitter and a receiver. Available microphone elements include the SM58, BG3.1 and WL185. **Features:** operating distance up to 300 ft.; up to 8 available frequencies per location; system distortion 0.1% THD typical; signal/noise ratio 90 dB.

***Call For System Configurations And BSW Prices**

SONY

MB806A (shown with optional receiver models)

FREEDOM SERIES - Wireless UHF Mic Systems

Build your own wireless mic system with the Sony Freedom Series. The system offers 800 MHz UHF transmission quality with 94 selectable frequencies in the range from 794 to 806 MHz; frequency-synthesis tuning to protect against unwanted interference by allowing instant channel switching; space diversity reception for added protection against a weak signal; comprehensive LCD displays and high-quality microphones.

Choose from the professional vocal handheld microphone (WRT807A) or one of three lavalier mic elements (ECM models numbers) with plug-on or beltpack transmitter (WRT808A or WRT805A). Then combine with the dual-antenna single channel receiver (WRR-802A) or for greater expandability, the 6-channel rack mount receiver (MB806A) which requires a UHF synthesized tuner module (WRU-806A) for each microphone (one module included in price of MB806A).

For television reporting, the system also features camera mount receivers. Call today for more information on this great system from Sony.

WRT807A(CH)	handheld transmitter	Mfr. List $790.00
WRT808A(CH)	plug-on transmitter	Mfr. List $799.00
WRT805A(CH)	beltpack transmitter	Mfr. List $475.00
ECM44BMP	omni lavalier mic	Mfr. List $168.00
ECM166BMP	cardioid lavalier mic	Mfr. List $132.00
ECM77BMP	omni lavalier mic	Mfr. List $345.00
WRR-802A(CH)	single channel receiver	Mfr. List $835.00
*MB806A	6-channel receiver chassis	Mfr. List $940.00
*WRU-806A(CH)	UHF synthesized tuner module	Mfr. List $500.00
*AN820A	powered antenna	Mfr. List $192.00
WRR810A(CH)	camera-mount receiver	Mfr. List $1,400.00
WRR805A(CH)	camera-mount receiver	Mfr. List $810.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

TELEX

UR-700 - Wireless Mic Systems

The affordable UR-700 features auto diversity circuitry; balanced XLR mic level and adjustable unbalanced line level outputs. Systems include receiver plus handheld mic transmitter or beltpack transmitter with choice of lavalier mic elements.

*UR700L	omni lapel system	Mfr. List $635.00
*UR700C	cardioid lapel system	Mfr. List $645.00
*UR700H	handheld system	Mfr. List $635.00

Call For BSW Prices

USR-100 - Wireless Mic System

The USR-100 wireless receiver features 100 channels covering a full 12 MHz, virtually assuring multi-unit performance in even the harshest of RF environments. Choose from omni or cardioid beltpack/lapel, or handheld systems.

*USR100L	omni lapel system	Mfr. List $1,025.00
*USR100C	cardioid lapel system	Mfr. List $1,025.00
*USR100H	handheld system	Mfr. List $1,130.00

Call For BSW Prices

ENG-100 - ENG Wireless Mic System

The Telex ENG-100 is designed to perform reliably under the harsh conditions of news gathering, but is also appropriate for event or corporate video, industrial and institutional applications. This rugged, compact receiver offers 100-channel frequency agility within the 668 to 746 MHz RF frequency range. Two integral antennas and a built-in Posi-Phase diversity system assure reception in the most difficult situations. The ENG-100 also features a headphone amp, an adjustable audio output control and is powered by 2 "AA" batteries. A variety of mounting options are available including Anton Bauer side and sandwich mount, NP-1 or BP-90 mount kits and a universal strap mount.

The LT-100 beltpack transmitter offers 100 tunable channels, selectable hi/low power output and adjustable mic gain. The SH-100 handheld transmitter can be ordered with a Telex cardioid electret mic element (CE8) or Audix cardioid dynamic mic element (OM3).

*ENG100	portable receiver	Mfr. List $612.00
*LT100	portable beltpack UHF transmitter	Mfr. List $520.00
*SH100CE8	handheld transmitter - Telex element	Mfr. List $612.00
*SH100OM3	handheld transmitter - Audix element	Mfr. List $635.00

Call For BSW Prices

APHEX

107 - Thermionic Tube Mic Preamp

Features: two-channel preamp combines the best attributes of both tube and solid state providing unmatched performance; hot and quiet with up to 64 dB of gain available and noise spec of -128 dBu worst case at max gain; switchable 20 dB pad; low cut filter; phase reverse switch; phantom power. Balanced TRS outputs.

107	Mfr. List $449.00	Call For BSW Price

ART

PRO MPA/DUAL MP - Tube Mic Preamps

PRO MPA Features: transformerless design throughout; VU & LED multi-point level metering; 12AX7A tube/triple differential hybrid circuit design; >100 dB dynamic range; two independent channels of amplification; balanced XLR and unbalanced 1/4" outputs. **DUAL MP Features:** affordable two-channel unit; low distortion; switchable phantom power; two ranges of input gain; phase reversal switch; balanced XLR and unbalanced 1/4" outs.

210ART (PRO MPA)	Mfr. List $679.00	Call For BSW Price
254 (Dual MP)	Mfr. List $369.00	Call For BSW Price

TUBE MP - Mic Pre/Direct Box

This inexpensive tube mic pre is a great problem solver for the audio toolbox. It can also be used as an active direct box, or phantom power unit. Features include variable input gain, a 20 dB pad switch, phantom power, phase reverse and output level control.

TUBEMP	Mfr. List $147.00	Call For BSW Price

ATI

ML200 - Mic Preamp

High-quality mic preamplification in a compact package. **Features:** flat frequency response; servo balanced line outputs (+22 dBm); front panel selection of phantom power (regulated +20VDC, optional 48VDC available); input/output peak flasher; independent front-panel gain controls. Power supply sold separately. **Options:** rack mount kit.

ML200	Mfr. List $289.00	Call For BSW Price
WA100-1 power supply	Mfr. List $13.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

ATI

M100 ULTIMIKE - Mic Preamp

Features: preamp has impressive hum and RF rejection; accepts +20 dBm max input; switchable and adjustable gain; limiter; low-cut filter; 48-volt phantom power; phase reversing switch; balanced XLR outputs.

M100 Mfr. List $399.00 Call For BSW Price

BENCHMARK

MICMAN JR - Mic Preamp

The MicMan™ Jr. is a high-quality, low cost stereo microphone preamp system intended for portable as well as fixed operation. Its low noise and wide gain range make it ideal for portable situations where unknown sound pressure levels are expected. **Features:** stereo or dual preamplification; +12 or +48 volt microphone power; internal battery and external AC power; up to 8 hours operation with alkaline batteries; front-panel gain controls and max gain limit trim; LED power indication; balanced XLR I/Os.

MICMANJR Mfr. List $425.00 Call For BSW Price

BELLARI

RP520 - Dual Tube Mic Preamp

Feature: utilizes 12AX7A tubes in a unique configuration to give smooth controllable gain with true transformer balanced inputs; gain and volume controls and 5-segment output level LEDs; analog metering for consistent sound creation; I/Os are selectable for mic or line levels and offer both balanced XLR and unbalanced 1/4" connections.

RP520 Mfr. List $600.00 Call For BSW Price

EVENT

EMP-1 - Mic Preamp

Features: ultra-low noise operation; selectable phase; low-cut filtering; 48v phantom power; variable gain 20 dB - 60 dB; frequency response 10 Hz to 40 kHz; internal power supply; balanced XLR output.

EMP1 Mfr. List $299.00 Call For BSW Price

PRESONUS

M80 - 8-Channel Mic Preamp

The M80 mic preamp can warm up any digital signal path with wonderful analog sound. **Features:** eight channel mic preamp, each channel with discrete Class A input amplifiers followed by a twin servo gain stage for ultra low noise and wide gain control; phantom power; phase reverse; 20 dB pad; rumble filter; +28 dB headroom and full output metering per channel; low impedance stereo mix buss for assigning and panning any channel to the main stereo output connectors; two-rack space, steel chassis; balanced XLR and TRS inputs and outputs; separate send and return jacks for inserting dynamics processors.

*M80 Mfr. List $1,999.00 Call For BSW Price

MP20 - Dual Mic Preamp

The MP20 is a two-channel Class-A discrete, dual servo, microphone preamplifier with a stereo mix buss. **Features:** 20 dB pad; 48v phantom power; 80 Hz roll-off filter; polarity reverse; IDSS control creates vintage warmth by adjusting even harmonic distortion; 12-segment level meter; high output headphone amplifier; low impedance stereo mix bus can be used for full control over stereo imaging (mix output connectors are XLR balanced providing connectivity for professional recording systems); XLR balanced input/output connectors as well as separate send and return jacks for inserting dynamics processors (such as the PreSonus ACP-22 [see page 18]); 1/4", high Z input on the front panel for instrument preamplification.

*MP20 Mfr. List $649.95 Call For BSW Price

RANE

DMS 22 - Dual Mic Preamp

Features: dual XLR inputs; stereo output with separate pan and level controls; 3-band EQ; selectable 15/50/100 Hz low cut filter; 48v phantom power; polarity invert switches; balanced XLR and TRS outputs.

DMS 22 Mfr. List $549.00 Call For BSW Price

RDL

RU-MP2 - Mic Preamp

Features: dual channel unit; low noise audio performance with RF filtered inputs; gain trim controls; selectable phantom power; XLR mic inputs; front (XLR) and rear (barrier strip) line level outputs; requires PS24A power supply. See page 83-84 for Stick-On Series™ mic preamps.

RUMP2 Mfr. List $308.00 Call For BSW Price

PS24A Power Supply Mfr. List $18.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

SHURE

FP11 - Mic Preamp

The Shure FP11 mic-to-line amp provides up to 84 dB of gain in fourteen 6 dB steps for boosting microphone and auxiliary level devices to line level. **Features:** transformer-balanced XLR input and output; switchable peak limiter; peak/limiter LED indicator; aux level 3.5mm mini-phone jack input; balanced line-level binding post output; removable belt clip; powered by standard 9-volt battery.

FP11 Mfr. List $370.00 Call For BSW Price

SOUND DEVICES

MP1 - Mic Preamp

This superb mic preamp by Sound Devices delivers studio-quality sound in the field on two "AA" batteries. Designed for high-bandwidth 96 kHz, 24-bit digital productions, this device has a dynamic range that exceeds 120 dB, a bandwidth of more than 50 kHz and selectable phantom power. It's built like a tank, but weighs only 1.2 lbs. **Features:** maximum of 66 dB of gain, adjustable in eleven steps; dual-stage, extended range peak limiter; selectable 12 and 48-volt phantom power; 6 dB per octave high-pass filter selectable at 80 and 160 Hz; aluminum chassis.

MP1 Mfr. List $420.00 Call For BSW Price

SYMETRIX

302 - Dual Mic Preamp

Designed for broadcast, sound reinforcement, and digital and analog recording, the Symetrix 302 offers substantial sonic improvement over stock mixers or console preamps. It features solid stereo imaging, excellent transient response, very low noise and almost undetectable distortion. **Features:** polarity reversal switches and 15 dB pads on both channels; +48 volt phantom power; gain variable from 20 to 60 dB; works with virtually any professional microphone.

302S Mfr. List $299.00 Call For BSW Price

MICROPHONE ACCESSORIES

A.

B.

C.

D.

E.

F.

G.

H.

A. ROLLS ADB2 - Phantom Direct Box

Powered by phantom power, this direct box offers a three-position attenuator and ground lift switch. Two 1/4" ins, XLR out.

ADB2 Mfr. List $50.00 Call For BSW Price

B. ROLLS PB23 and PB24 - Phantom Power Adaptors

Provides 12 or 48 V DC phantom power. PB23 includes AC/DC adaptor. The PB24 also operates on two 9-volt batteries with approximate life of 20 hours.

PB23 Mfr. List $60.00 Call For BSW Price
PB224 Mfr. List $100.00 Call For BSW Price

C. PROCO MC2 - Mic Combiner

2 female XLR ins, 1 male XLR out with input polarity reverse switch.

MC2 Mfr. List $122.20 Call For BSW Price

D. PROCO MS42A - 4 Channel Mic Splitter

4 channels with single female XLR input and 2 isolated XLR male outputs. Output ground lift switches. 8-channel unit available.

MS42A Mfr. List $333.20 Call For BSW Price

E. WHIRLWIND MICPOWER - Phantom Power Adaptor

Provides +12 to +18 VDC phantom power. Operates on two 9-volt batteries for approximately 50 hours. Includes battery level LED.

MICPOWER Mfr. List $119.95 Call For BSW Price

F. WHIRLWIND LITTLE IMP - Impedance Matcher

XLR low-Z input to 1/4" high-Z output. Lets professional-level mics be used with consumer-level mic inputs.

LITTLE IMP Mfr. List $19.95 Call For BSW Price

G. WHIRLWIND SPLITTER 1X2/1X3 - Mic Splitters

One low impedance XLR input to two or three low impedance XLR, transformer-isolated outputs with separate ground lifts.

SPLITTER1X2 Mfr. List $99.95 Call For BSW Price
SPLITTER1X3 Mfr. List $119.95 Call For BSW Price

H. PROCO COUGH DROP - Microphone Mute Button

Simple muting device that offers clean, reliable performance with nearly any balanced or low impedance (150 ohm nominal) mic or signal source.

COUGHDROP Mfr. List $55.44 Call For BSW Price

* Non-inventory item subject to return restrictions.

AUDIO TECHNICA

AT8681 UniMix - 2-to-1 Mic Combiner

Combines the output from two microphones into one channel. Includes a balance control between the two inputs.

AT8681 Mfr. List $70.00 Call For BSW Price

AT8682 UniGate - Voice-Operated Switch

Automatically attenuates a mic channel when not in use. Adjustable threshold sets the level at which gate opens. LED lights when gate is open.

AT8682 Mfr. List $75.00 Call For BSW Price

AT8683 UniSteep - 80 Hz Mic Hi-Pass Filter

Provides a steep 18 dB/octave low frequency attenuation to minimize stage rumble and other low frequency background noises.

AT8683 Mfr. List $50.00 Call For BSW Price

AT8684 UniMute - Mic Attenuator/Switch

Allows remote mic functions such as on/off switching, push-to-talk and push-to-mute, as well as control of logic-level DC circuits.

AT8684 Mfr. List $70.00 Call For BSW Price

AT8685 UniTrap - Constant-Q Mic Notch Filter

Tunable notch filter helps control feedback by attenuating a narrow frequency band that is susceptible to feedback. 30 dB notch tunes in 2 ranges.

AT8685 Mfr. List $80.00 Call For BSW Price

AT8686 UniLim - Mic Limiter

Keeps the output of a microphone from exceeding the level set by the adjustable threshold control.

AT8686 Mfr. List $75.00 Call For BSW Price

Note: AT8681-AT8686 require phantom power to operate.

SENNHEISER

BIG EARS - Parabolic Reflector

Big Ears is a true parabolic reflector capable of picking up sounds from well over 200 feet away. At approximately 25" diameter and only 5 lbs., it's perfect for sportscasting, films, ENG, theater, surveillance and news gathering. Made of a patented Kevlar, Buterate and Acrylic combination, it offers remarkable clarity over a wide frequency range. It comes complete with handle and microphone yoke with spaces for mounting wireless ecuipment. Available in 6 transparent colors.

Little Ears are smaller and lower cost.

*BIG EARS Mfr. List $1,249.00 Call For BSW Price

*LITTLE EARS Mfr. List $799.00 Call For BSW Price

MIDDLE ATLANTIC

GS SERIES - Microphone Pop Filter

An effective way to reduce or eliminate P-popping without sound coloration. **Features:** double nylon screen for superior performance; unobtrusive black 5" filter frame; 3" black gooseneck; brass tipped locking screw prevents scratching of mic stands; replacement screen available.

GS5	5" screen w/gooseneck	Mfr. List $26.75
GSS5	5" replacement screen	Mfr. List $17.78

Call For BSW Prices

WINDTECH

SMS8 shown with 300 Series

SMS7 shown with S700 Series

63SA shown with 600 Series

MD421U and RE20 shown with WS1

Windscreens

Wind-ech™ windscreens are high quality, cost effective, come in a large variety of colors and fit most microphone models. These screens are made of an open-cell, hypo-allergenic foam that won't color sound, yet provide maximum protection against wind-noise and P-popping. The nature of their composition makes them long-lasting, holding their shape and color even after washing.

Just call BSW, specify the mic you are using and the color you prefer. Affordable windscreens for shotgun mics also available.

Series	Description	Inside Diameter	Mfr. List
WS1	X-large cylindrical	2"	$39.95
*900	large spherical	1 5/8"	$5.30
300	regular spherical	1 3/8"	$5.15
600	small spherical	1"	$4.65
*5700	squared cylindrical	1"	$4.65
*1200	large cylindrical	3/4"	$4.40
*1300	small cylindrical	5/8"	$4.15
*500	podium	1/2"	$3.95
*1100	lapel	1/4"	$3.85
*1500	round lavalier	3/8"	$3.95
*2300	mini round lavalier	3/16"	$3.60
*2100	teardrop	1/4"	$3.85

* Non-inventory item subject to return restrictions.

MICROPHONE CABLES AND ACCESSORIES

A.

B.

C.

D.

E.

F.

G.

H.

MICROPHONE STANDS

I.

J.

K.

L.

M.

N.

A. BSW IC6 - Interview Cable
6' adaptor cable interfaces mics with portable recorders. XLR to 1/8" mini.
IC6 Mfr. List $25.00 Call For BSW Price

B. BSW MC24 - Coiled Mic Cable
Coiled black cable for interviews. 2.5' long retracted; extends to over 10'.
BSWMC24 Mfr. List $39.95 Call For BSW Price

C. HOSA WTI148G - Cable Ties
Velcro ties keep mic cables coiled neatly. Tie stays attached to cable even when uncoiled.
WTI148G Mfr. List $5.50 Call For BSW Price

D. PROCO M10/M25 - Mic Cables
Quality, low-loss mic cables in 10' or 25' lengths with XLR connectors.
M10 Mfr. List $19.95 Call For BSW Price
M25 Mfr. List $23.35 Call For BSW Price

E. WINDTECH MC6 - Mic Clip
Standard tapered, slip-in clip fits most handheld mics. Adjustable angle; brass insert with 5/8"-27 threads.
MC6 Mfr. List $3.99 Call For BSW Price

F. WINDTECH MC9 - Insulated Mic Clip
Heavy duty clip with rubber insulator. Adjustable angle; brass insert with 5/8"-27 threads.
MC9 Mfr. List $4.99 Call For BSW Price

G. WINDTECH MC11 - Slim Mic Clip
Heavy duty clip for slim mics (.8" to 1" in diameter). Adjustable angle; brass insert with 5/8"-27 threads.
MC11 Mfr. List $4.85 Call For BSW Price

H. WINDTECH SMC7 - Spring Loaded Mic Clip
Spring clamp type clip fits a wide variety of mics. Adjustable angle; brass insert with 5/8"-27 threads.
SMC7 Mfr. List $4.60 Call For BSW Price

I. ATLAS DS-2 - Vibration Isolating Stand
Non-adjustable 3" high chrome tube. Non-reflective 4"x 6" charcoal base.
DS2 Mfr. List $47.00 Call For BSW Price

J. ATLAS DS-7 - Adjustable Desk Stand
Adjustable height 8" to 13". Grip-action clutch. 6" diameter base.
DS7 Mfr. List $30.68 Call For BSW Price

K. ATLAS DS-5 - General Purpose Stand
Non-adjustable 4" high chrome tube. 6" diameter cast iron charcoal base.
DS5 Mfr. List $19.13 Call For BSW Price

L. ATLAS DMS-7E - Heavy Duty Desk Stand
Features an oversized 10" cast iron base providing maximum stability for larger studio mics and boom attachments. Adjustable height 8"-13".
DMS7E Mfr. List $43.10 Call For BSW Price

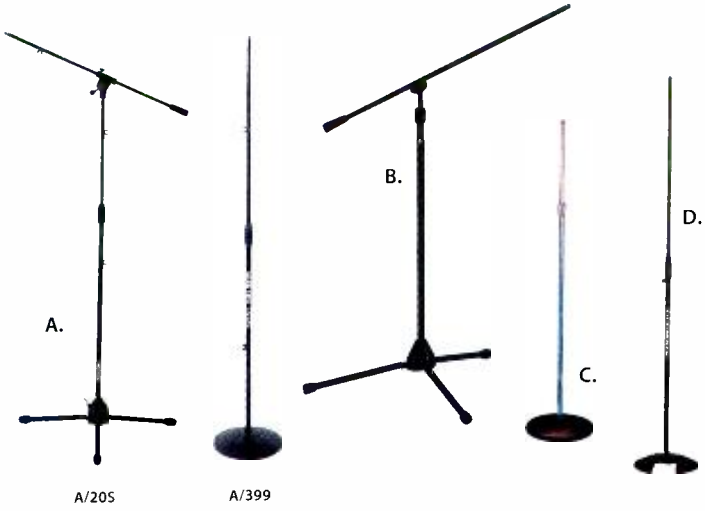
M. AKG KM231/1 - Tripod Desk Stand
Legs fold in so stand fits easily into equipment bag or briefcase.
KM231/1 Mfr. List $12.80 Call For BSW Price

N. QUIK LOK A114 - Telescopic Desk Stand
Heavyweight base and pivot feature allow for optimum placement of even heavy studio mics. Adjustable from 16.5" to 23.5".
A114 Mfr. List $59.95 Call For BSW Price

For Wire and Cable
See Pages 170-172

* Non-inventory item subject to return restrictions.

MICROPHONE STANDS



A/20S A/399

G.

A. QUIK LOK A-205, A-300, A-399 - Boom Stands/Stand
The A-205 is a heavy-duty stand, adjustable to 64" tall with a 30" boom. A-300 is a lightweight economy version, adjustable to 60" high. Black only. Lifetime warranty. A-399 is an affordable straight stand with fillable rubber base (fill with sand or lead pellets).

A205	Mfr. List $67.95	Call For BSW Price
A300	Mfr. List $39.95	Call For BSW Price
A399	Mfr. List $29.95	Call For BSW Price

B. ATLAS TE16-BE - Microphone Stand W/Boom
Rugged tripod mic stand with boom. Stand height adjustable from 35" to 60". Boom extends to 25 1/2". Black.

TE16BE	Mfr. List $70.85	Call For BSW Price

C. ATLAS MS-12C - General Purpose Floor Stand
10" weighted base. Adjustable from 34" to 62". Black or silver.

MS12C	Mfr. List $49.10	Call For BSW Price

D. ULTIMATE MC07B - General Purpose Floor Stand
Weighted base. Unique design allow stands to be stacked. Adjustable from 34 3/4" to 64". Black. 9 lbs.

MC07B	Mfr. List $36.00	Call For BSW Price

E. O.C. WHITE 51900 - Microphone Boom
Top-quality 37" heavy-duty mic boom with 12" riser . Gray or black.

51900	Mfr. List $160.00	Call For BSW Price

MICROPHONE STANDS

F. LUXO LM SERIES - Microphone Booms
LM1 is a 41" extended reach arm for mics weighing up to 1 pound. LM1-3 is the same basic arm, but holds heavier mics weighing up to 3 pounds. Available in oyster or black color. LM2 is a 26" reach arm for mics weighing up to 2 pounds. Available in gray color only.

LM1, LM2, or LM1-3	Mfr. List $99.95	Call For BSW Price

G. LUXO (a,b,c) RISER - Mic Boom Mounts
Mounting opt ons include a clamp style (model a), a wall mount (model b), a desktop mount (model c), or a 12" aluminum extension pedestal. Specify black, gray, oyster or unpainted (riser only).

Model a, b, or c	Mfr. List $13.95	Call For BSW Price
Riser	Mfr. List $24.95	Call For BSW Price

H. WINDTECH MPC10 - Universal Microphone Clamp
Mounts mic almost anywhere. Fits up to 1-1/4" round members or up to 1-1/2" flat surfaces. Mic threads rotate to 3 positions.

MPC10	Mfr. List $13.95	Call For BSW Price

I. ATLAS BC-1 - Desk Clamp
Bracket-style clamp with 6" chrome tube attaches to tables, countertops, workstation furniture, etc.

BC1	Mfr. List $32.25	Call For BSW Price

J. ATLAS GN SERIES - Goosenecks
Flexible goosenecks in 6", 13" and 19" lengths with male and female 5/8"-27 threads. Chrome or black finish.

GN6	Mfr. List $8.93	Call For BSW Price
GN13	Mfr. List $13.28	Call For BSW Price
GN19	Mfr. List $17.53	Call For BSW Price

K. ATLAS CH-1B - Cable Hanger
Use to hang coiled mic cables or headphones on mic stand.

CH1B	Mfr. List $20.43	Call For BSW Price

L. ATLAS AD-11B - Mounting Flange
5/8"-27 female flange with 1 3/4" base diameter. Chrome or black.

AD11B	Mfr. List $7.78	Call For BSW Price

* Non-inventory item subject to return restrictions.

ELECTRO-VOICE

PSX2000/SX500 - PA System

Electro Voice's has one of the best lightweight sound system that modern technology can produce, combining a mixing console with high-performance speakers. The heart of the PA package is the PSX2000 stereo powered mixing console. This 14-channel mixer (10 mono mic/line and 2 stereo) delivers better than 340 watts per channel into 8 ohms and includes two built-in 18-bit stereo effects processors. **Features:** 3- and 4-band EQ; stereo graphic EQ; patch bay with balanced I/Os; Littlite connector; recessed carrying handles and locking metal cover.

SX500 speakers offer a large 15" LF driver in a lightweight enclosure with a unique HF and LF vented-horn system delivering excellent coverage, impressive SPL and wide frequency response. 400-watt handling capability.

*PSX2000	Mfr. List $2,700.00	Call For BSW Price
*SX500+	Mfr. List $998.00 ea.	Call For BSW Price

FENDER

P-250 PASSPORT - Portable Sound System

Truly unique, the Fender Passport is a totally self-contained portable sound system complete with a self-powered 4-channel mixer, 2 full-range speaker units, 2 dynamic cardioid microphones and all the necessary connection cables. Setup takes no more than five minutes and the audio performance is excellent. **Features:** 250 watts of pure stereo power at 8 ohms (125 WPC); 4-channel, 8-input mixer; 2 additional stereo channels, sophisticated one-touch equalization; digital reverb with remote bypass; eight 6.5" high-efficiency drivers in two cabinets; switchable line voltage for international use; selectable main-monitor operation; tape out jacks for performance recording; on-board storage for mics and cables; auxiliary send and return jacks; amplifier send and return jacks; total weight 53 pounds.

Also available is the P-150 system with 75 watts per channel, 3 mic/line plus one stereo input, one microphone and connecting cables.

P250 Passport	Mfr. List $949.99	Call For BSW Price
P150 Passport	Mfr. List $699.99	Call For BSW Price

For Speakers See Pages 130-135

FENDER

P-250 PASSPORT ACCESSORIES - Portable Sound System

Complete your PA system with these accessories designed specifically for your Fender P250 package (shown below left).

Up to two **P250WIRELESS** microphones plug into the back of the system. Each consists of a cardioid condenser mic, transmitter and receiver. The **12VDC-DC** power converter enables the Passport system to operate on 12-volt battery power. Take along the **BATTERYPACK** and you have a rechargeable 12-volt DC battery pack for use with the converter. For mounting speakers up high, purchase the **ST275** black anodized aluminum tripod stands. The Passport **TRAVELPACK** consists of a specially fitted luggage cart and heavily padded travel cover to make transporting a snap.

P250WIRELESS	Mfr. List $299.99	Call For BSW Price
12VDC-DC	Mfr. List $149.99	Call For BSW Price
*BATTERYPACK	Mfr. List $199.99	Call For BSW Price
ST275 2 stands & bag	Mfr. List $229.99	Call For BSW Price
*TRAVELPACK	Mfr. List $119.99	Call For BSW Price

MACKIE

406 and 808 SERIES/C300 - PA System

Mackie has six tough, hit-the-road mixers with plenty of power (up to 1200 watts) to drive your PA speakers. Choose from 6 channels (all mono) up to 8 channels (6 mono, 2 stereo). **Features:** 32-bit digital effects processor with 16 different effects and 2 controllable parameters per effect; input gain control; twin power amplifiers; inserts on channels 1-6; 3-band EQ on each channel; phantom power and more.

C300 speakers are non-powered versions of the famous SRM450s (see page 134). Each speaker features 12" LF and 1.75" HF drivers, and 300-watt power handling capability.

406M	500-watt, 6-channel mono mixer	Mfr. List $699.00
408M	500-watt, 8-channel mono mixer	Mfr. List $799.00
808M	1200-watt, 8-channel mono mixer	Mfr. List $899.00
408S	500-watt, 8-channel stereo mixer	Mfr. List $899.00
808S	1200-watt, 8-channel stereo mixer	Mfr. List $999.00
C300		Mfr. List $499.00 ea.

Call For BSW Prices

* Non-inventory item subject to return restrictions.

Passport®

Every once in a great while,

an innovation comes along that changes the rules, expands the boundaries of our imagination and improves our lives. Fender, which has been introducing revolutionary products since 1946, presents the Passport.

Truly unique, the Passport is a totally self-contained, self-protected portable sound system. It can be picked up and carried as easily as a medium-sized suitcase, set up in a few minutes and operated by anyone—*anywhere.*

Passport 250

Totally self-contained and road tough, Fender's Passport portable audio system includes everything you need to create great sound anywhere. Perfect for voices, musical instruments, CD, tape playback and more. It is powerful, easily set up in minutes, covers large audiences, is extremely simple to operate and works on any AC voltage as well as 12V DC with available voltage converter accessory. Specs: 250W of stereo power, (125W per channel) four high-efficiency 6.5" (165mm) speakers per cabinet: Features: built in digital reverb, V.I.P.™ (Vocal Input Priority) — music is lowered when someone speaks into mic 1.

Now available with built-in wireless microphone options!

All Passport products are covered by a limited, 5-year warranty.

Passport 150

The Passport 150 is a smaller version of the Passport system, featuring 3 mic/line inputs, stereo input and an extra stereo to mono mic input to input 3, digital reverb and V.I.P.™

Power output is 150W total (75W per channel) with two high-efficiency 6.5" (165mm) speakers per cabinet.

Fender

OTARI

MX5050 SERIES - Broadcast Reel Recorders

The Otari MX5050 series includes the MX5050BIII 2-track and MX5050BQIII 4-track recorders. **Features:** very dependable construction; 3-head design; front-panel setup adjustments with built-in oscillator; sophisticated transport with built-in mini auto locator; ±20% pitch control; 37-pin parallel interface; 1/4 track playback. **Options:** several remote control options and roll-around stand.

MX5050BIII Mfr. List $4,452.00 Call For BSW Price

TASCAM

BR20 - 2-Channel Reel Recorder

The BR20 packs outstanding performance and features into a compact, exceptionally easy-to-use recorder. **Features:** front panel audio calibration controls; exceptionally smooth operation; switchable 15/7.5 ips tape speed (optional 7.5/3.75 speed available); accurate real-time tape counter with locate points; dump edit, manual edit, stop edit and quick cue modes; independent L/R reel size selectors; built in rack mounting and optional remote control; balanced XLR +4 dBm inputs and outputs.

BR20 Mfr. List $3,399.00 Call For BSW Price

32 - 2-Channel Reel Recorder

The 32 is an outstanding value in 2-track reel-to-reel for mastering and light production work. **Features:** fast, gentle tape handling with minimal wow and flutter; accurate zero return; 2 speeds (7 1/2 and 15 ips); pitch control (±12%); dump edit function; cue lever; unbalanced RCA inputs and outputs.

32 Mfr. List $2,599.00 Call For BSW Price

For Reel-to-Reel Tape See Page 53

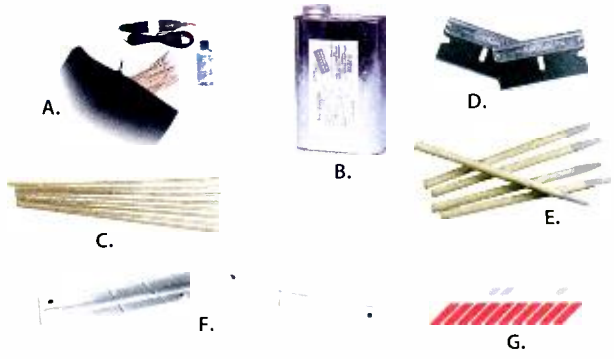
PRORAX

PO100 - Custom Side Panels

The PO100 is a set of attractive, rugged and economical panels that convert your Otari MX5050BII or BIII into a tabletop edit station. It replaces the two side panels of your machine to give it the perfect tilt angle for editing work. Installation is a breeze using existing screws. Black only.

PO100 Mfr. List $99.95 Call For BSW Price

REEL-TO-REEL ACCESSORIES



A. A.R.T. K161 - Recorder Maintenance Kit

Offers complete tape head maintenance for reel-to-reel and other tape recording machines. Includes a 2 oz. bottle of S-711 Intraclean head cleaner, 100 cotton swabs and a wand-style head demagnetizer.

K161 Mfr. List $40.00 Call For BSW Price

B. A.R.T. S-711 INTRACLEAN - Head Cleaner

Formulated to clean tape heads, tape guides, capstans and pinch rollers. Removes tape oxides, soils and oils with low toxicity and fast drying rate.

S721H 2 oz. bottle Mfr. List $8.00 Call For BSW Price
S721HQ quart can Mfr. List $24.00 Call For BSW Price

C. BSW BCS - Cotton Swabs

Extra-long style for cleaning tape heads that are hard to reach.

BCS 100 100 pack Mfr. List $6.95 Call For BSW Price
BCS 500 100 pack Mfr. List $15.50 Call For BSW Price
BCS 1000 1,000 pack Mfr. List $30.00 Call For BSW Price

D. BSW GEM - Editing Blades

Single-edge razor works with all splice blocks.

GEM box of 100 Mfr. List $9.50 Call For BSW Price

E. BSW 164T - Edit Pencils

White China markers are perfect for marking. No sharpening required.

02060 box of 12 Mfr. List $9.48 Call For BSW Price

F. XEDIT S3/S3/90 - Splice Blocks

Precision blocks are hand polished. The S3 features two cutting angles (45° and 30°). S3/90 offers 45 and 90 degree cutting angles.

S3 Mfr. List $72.00 Call For BSW Price
S3/90 Mfr. List $72.00 Call For BSW Price

G. XEDIT CL1 - Splice Tabs

Each tab has a red non-sticky "handle" that lets you position the tab easily and let go of the splice without pulling it out of place.

CL1 box of 1,000 Mfr. List $62.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

BROADCAST TOOLS

DC-8A - Dial-Up DTMF Controller

This dial-up remote control allows the user to control a facility from any touch-tone telephone. The DC-8A will answer the phone line after the programmed number of rings (up to 20), accept an access code of up to 8 digits and if valid, will allow the control of 8 form-A relays and the monitoring of 8 logic level status inputs. **Features:** audio hybrid allows user to send and/or receive external audio, while controlling the unit; the pager alert function can activate up to 3 digital pagers and display the telephone number and the status input(s) which triggered the alarm; programming is performed with a standard touch-tone phone; nearly all functions can be programmed remotely; defeatable CPC control; user programmable tone acknowledgment defeat; may be configured for stand alone program DTMF tone decoding; each relay may be configured for momentary, latching or interlocking closures; front panel LED indicators for DTMF tone detection, off-hook (line connected) status, ring signal, and power; open collector outputs for remote ring and off-hook conditions.

DC8A **Mfr. List $399.00** **Call For BSW Price**

SRC-8A/SRC-8B - Remote Relay Controls

The SRC-8A serial remote control provides a means of adding eight channels of remote control to RF, wireline and fiber-type STL systems. The SRC-8A may also be used with dedicated modems (US Robotics "courier" only) from 1200 to 9600 baud. The SRC-8A consists of two units. The SRC-8T which is located at the origination end (studio) and the SRC-8R which is at the receiving end (transmitter site). Both units look identical and may be mounted within 25 feet of the STL system or modems. Each unit is supplied with a 12 vac wall transformer, modular cord and a modular 9-pin D-sub adaptor. The units are supplied with or without 8 opto-isolated inputs on the SRC-8T and 8-SPST relays on the SRC-8R. **Features:** TTL/CMOS compatible or opto-isolated 5-24 vdc inputs (wet or dry); form 1-A relays; removable screw terminals or WAGO clamp-style wire captive terminals; relay and input status LED indicators; on-board switching power supply; aluminum chassis.

SRC8A one-way control **Mfr. List $399.00** **Call For BSW Price**
SRC8B bi-directional control **Mfr. List $499.00** **Call For BSW Price**

SSM - Smart Silence Monitor

The SSM (Smart Silence Monitor) utilizes the innovative "WNSD" circuitry and is designed to monitor any stereo or two independent monaural sources and generate alarms when white noise or silence is detected. **Features:** active balanced inputs with multi-turn trimmers; alarm sensitivity down to 35dB below program; precise time delay from 2 seconds to 93.5 minutes; alarm activity indicators for each channel; two DPDT relays enabling use as a 2x1 program switcher; four open collector function outputs; remote and local defeat and reset inputs; screw style wire captive terminals; optional RM-2 or RM-3 rack mounts for mounting units in a 19" rack. Power adaptor provided.

SSM **Mfr. List $209.00** **Call For BSW Price**

BROADCAST TOOLS

PSC - Programmable Schedule Controller

With the PSC (Programmable Schedule Controller) store and control up to 160 events. **Features:** events can be programmed with hour/minutes/seconds and day/month/year or day of week; each event may control any one of 20 provided SPST relays and/or 32 serial custom commands; momentary or latched contact closures; program with any non-dedicated PC and off-the-shelf communication software; stable 60 Hz time base (3 seconds per month or less); sync input for external clocks; DST; 24-hour time format; password option; WAGO clamp style wire captive terminals. **Options:** rack panels.

PSC **Mfr. List $399.00** **Call For BSW Price**

PBB-24 - Programmable Button Box

The PBB-24 provides 24 SPST buttons that may be used to remote control external equipment, and/or be configured to generate user programmable ASCII strings which are output to the provided RS-232 serial port. **Features:** switch covers provide insertable imprinted legends through the slot of a clear switch cover top; 24 SPST N.O. heavy duty silent switches; twelve character-printable ASCII serial strings per switch; non-volatile program memory; power and data activity LEDs.

PBB24 **Mfr. List $299.00** **Call For BSW Price**

BURK TECHNOLOGY

ARC16 - Transmitter Remote Control

Now, you have a choice: full-time studio control and monitoring, dial-up telephone control – or both. Because of its modular design, the ARC-16 offers features never before available in a 16-channel remote control system. With the studio controller, you have a constant link to your transmitter, for instantaneous response. The 32-character LCD display shows out-of-tolerance conditions at a glance, and makes it easy to make adjustments. The ARC-16 offers control and metering of studio equipment, including program automation, EAS, security, status control and alarm functions at both the studio and transmitter site. The two-unit-system has 16 channels of analog metering, 16 status channels and 32 control outputs. Indicators and connections for external audible alarms alert the operator to out-of-tolerance conditions. The Enhanced Speech Interface lets you take control using the telephone keypad from any touch-tone phone. It can be used as the only control, or in addition to the studio controller. **Features:** digitally-recorded human voice for dial up; built-in subcarrier generators; built-in alarms and multiple site control. **Options:** AutoPilot® for Windows makes automatic operation of a studio/transmitter facility easy.

***Price Based On Configuration**

* Non-inventory item subject to return restrictions.

CIRCUITWERKES

DR-10 - Audio and Control Interface

Control your equipment from anywhere there is a DTMF phone with the DR-10. **Features:** audio hybrid lets you control equipment while monitoring external audio; audio in and out are active balanced with gain controls; password protected; control 10 relays (two are DPDT) that can be momentary, latching or interlocked with other relays; a special momentary-at-end-of-tone mode makes it easy to control automation from the field without getting start tones on the air; relays can be assigned to any tone; anti-falsing and two-tone modes prevent unwanted closures during audio feeds; relays can beep when activated; four status inputs can dial pagers, etc. and can close relays when activated; auxiliary audio input lets you control the DR-10 from an external audio source, with or without telephone connection; status indicators for power, unlocked, DTMF and programming mode; external logic outputs for online and unlocked. **Options:** Silencer (mutes all DTMF signals so none get on the air); CP-1 call progress detector for PBXs and telcos without normal hang-up signals.

DR10	Mfr. List $399.00	Call For BSW Price

DTMF-16 - Remote Control

The DTMF-16 listens to practically any audio source and activates its appropriate optocoupler output when it hears any of the sixteen DTMF tones. Jumper selectable modes are available for momentary, interlocking-latching, two-tone and anti-falsing. Applications include backup transmitter control over STL, radio or telephone coupler, remotely controlled audio switcher, etc. It's perfect for interfacing networks to your automation, controlling remote satellite receivers and repeaters. **Options:** the SILENCER option board lets you send inaudible DTMF control signals via your RPU, satellite, dedicated loops, or standard dial-up phone lines. Your talent or producer in the field can fire IDs, start breaks, light up an attention flasher, or control just about anything right in the program path, without getting any tones on the air.

DTMF16	Mfr. List $219.00	Call For BSW Price
SILENCER	Mfr. List $159.00	Call For BSW Price

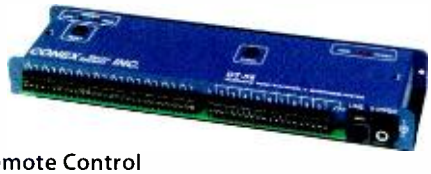
CONEX

DT-40 - Remote Control

The DT-40 accepts DTMF tones from an audio line, receiver or other source, accepts a user access code, then allows remote control of sixteen SPDT relays. The relays can be momentary, latching or interlocking. The DT-40 is easy to understand, easy to install, secure and effective. **Features:** miniature screw-clamp terminal strips for easy connection to your external circuits; relay interlock mode allows easy use as a remote-controlled audio selector; status lights indicate power, DTMF tone detection and unit selected; switch-selectable Device Selection Code allows up to 15 DT-40s to be individually controlled from one audio source.

DT40	Mfr. List $339.00	Call For BSW Price

CONEX



DT-55 - Remote Control

The DT-55 telephone remote control answers a phone line, accepts a user determined access code, then allows remote control of 10 SPDT relays and the remote monitoring of 10 external switch contacts or logic levels. The levels are magnetic latching. On power loss and restoration, the relays can retain their prior states or return to the de-activated state. Each relay can be set, cleared or activated momentarily (for as long as the button is pushed down on the calling telephone). Additionally, the DT-55 can be set up to act in an interlocking mode. When a button is pressed, its associated relay is set and all other relays are cleared. **Features:** Miniature screw-clamp terminal strips for easy connection to your external circuits; easily distinguishable tones indicate the high-low or open-closed status of the ten external inputs; status lights indicate the ringing signal, power, DTMF tone detection, line connection and access; switch-selectable access code; compact size.

DT55	Mfr. List $339.00	Call For BSW Price

DAVICOM

M-A-C - Remote Control

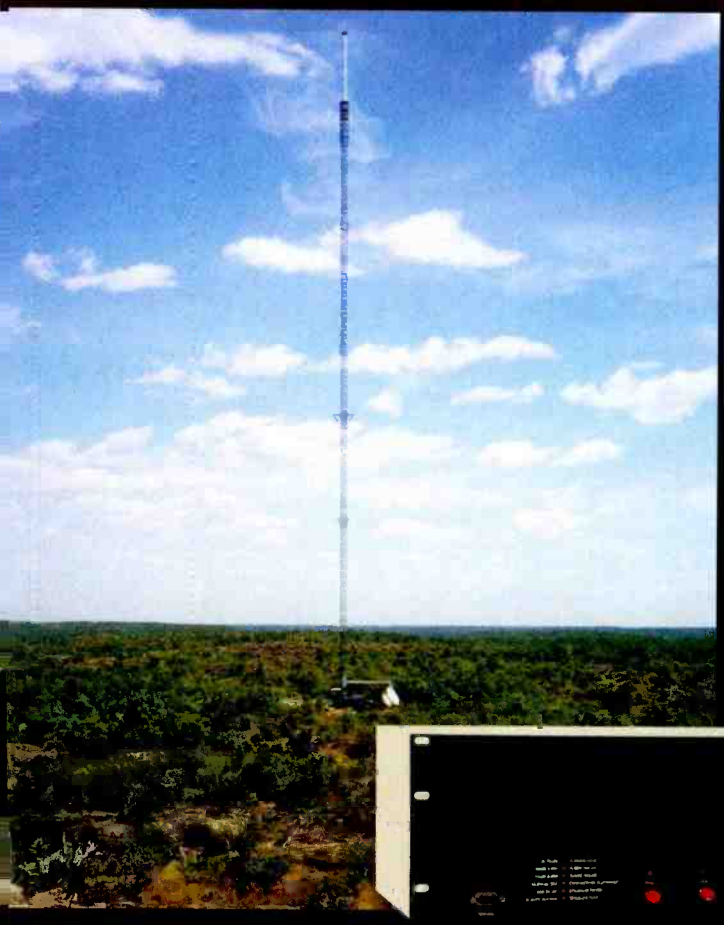
The M-A-C System can control up to 32 analog (metering) inputs, 64 digital (status) inputs and can monitor 16 audio inputs. It can control up to 64 relays and offers 16 RS-232 serial communication ports for external equipment. The menu-driven software built into the unit allows the user to easily program complex operations such as: switching to a back-up transmitter, controlling the emergency power source, monitoring VSWR of several antennas, etc. **Features:** easy to set up and operate; extra level of security for system supervisors; flexible reporting of alarms; operation via telephone or PC; relays included in main unit; up to 16 RS-232 ports allow you to talk to other equipment at the site without the need for extra modems; programmable delays before action or return-to-normal conditions; multiple relay activation on a single condition; works with any vendor'd sensor products; "virtual" inputs and relays for establishing conditional actions. A communication software package, MACOMM, which offers a full graphical interface for fast and simple operation, is also supplied with each unit.

MACNET (sold separately) is a central management software that can be used to collect alarms and reports from an entire network of sites. MACNET uses a map-style graphical interface to make it quick and easy to monitor conditions from a variety of sites. MACNET is a decision assistance tool for the communication network operator. All the decisions are taken by the operator but MACNET will promptly supply him or her with all the information required to make the right decision and know exactly what is going on at the transmission sites. MACNET runs on Windows 95/98 and its database is Microsoft ACCESS™ compatible.

Call For Pricing and Configuration

* Non-inventory item subject to return restrictions.

Now You Have a Choice
for Transmitter Remote Control

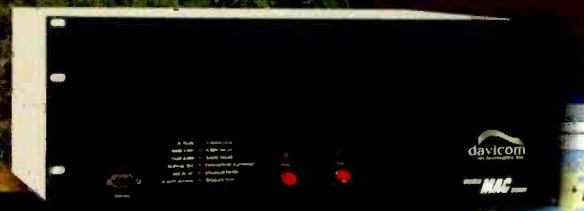


The M-A-C SYSTEM
Scalable to Fit Your Application

A M-A-C system is the flexible choice for controlling your facilities. With up to 32 metering (analog) inputs, 64 status (digital) inputs, 16 audio inputs for monitoring; up to 64 manually or automatically activated relays, and up to 16 RS232 ports, it represents a wise investment with room to grow your facilities control.

The M-A-C may be controlled by a personal computer, either locally or by modem, or via telephone (using DTMF tones). The system alerts you to any problems via telephone (voice), computer, pager, or your fax machine. With the M-A-C, you can enjoy these benefits:

- Minimized downtime
- Improved access to critical information
- Increased security at remote sites
- Reduced maintenance costs
- Easy operation
- Year-2000 compliant.



Optional MAC NET software allows you to monitor a network of facilities with an easy-to-use, map-style interface

M-A-C Features

• Easy set-up and operation • Extra level of security for system supervisors • Flexible reporting of alarms • Operation via telephone or PC • Relays included in main unit • Up to 16 RS-232 ports allow you to "talk" to other equipment at the site without the need for extra modems • Programmable delays before action or return-to-normal conditions • Multiple Relay Activation on a single condition • Works with any vendor's sensor products • "Virtual" Inputs and relays for establishing conditional actions

davicom
technologies

Contact BSW Today For More Information
1-800-426-8434 or www.bswusa.com

The MiniMAC
Ideal for Small Sites

Complete system at an affordable price featuring: 8 Metering inputs • 16 Status inputs • 8 Relays • 2 Audio inputs • 1 RS232 port

DAVICOM

MINIMAC - Remote Control System

Perfect for broadcast stations with a single transmitter, the MiniMAC provides complete monitoring, alarm and control functions in a small, affordable package. **Features:** 8 metering inputs; 16 status inputs; 2 audio inputs; 16 command outputs; 8 relays; MACOMM setup/operation software, operation via PC, terminal or DTMF telephone right out of the box; alarm reporting via telephone (voice), pager, PC or FAX; "Virtual" inputs/relays allow you to establish conditional actions, plus you can stack the physical inputs in conditional order to meet your exact requirements; user programmable delay times for actions and return-to-normal; works with any manufacturer's sensor products.

***MINIMAC** **Mfr. List $2,395.00** **Call For BSW Price**

GENTNER

GSC3000 - Remote Site Control

The GSC3000 was developed to address the needs of broadcasters requiring extensive control capabilities. Its modular approach allows it to handle a variety of applications from a single site with minimal requirements to large multi-site networks with extensive requirements. It incorporates several features found in the popular VRC2000 plus new features and capability that leave an open door for system expansion. With the Gentner GSC3000, you can control multiple transmitter sites from your studio, home, car or any location. Simply connect to the GSC3000 via local or wide-area network, personal computer/modem, or by telephone using the optional voice interface. **Features:** site expandability that is easy to manage; control of one or multiple sites; 8 to 256 logical channels of metering, status and command per site; single or multiple PC monitoring sites; friendly Windows® based operation (simply click on the desired area and its information pops up on your screen); PC-based voice/DTMF option allows monitoring and control of multiple site locations from a single dialed number; receive notification by phone, pager or computer; program unit to take its own corrective action; purchase affordable 8 or 16 channel site controllers plus the interface options required for your application.

Typical 16 Channel Package Under $4,000 Mfr. List

***BSW System Prices Based On Configuration**

MOSELEY

MRC1620 - Remote Control System

The MRC1620 system consists of a remote terminal that allows an optional control terminal or IBM PC with TaskMaster20 software to monitor and control a remote facility from both dedicated and/or dial-up control points. The MRC1620 remote terminal comes equipped with 32 relay isolated command outputs (16 raise/16 lower), 16 TTL status inputs and 16 analog metering inputs with the required terminal connectors.

The remote and control terminals are simple to operate and easy to understand. All status channels are simultaneously displayed on a set of 16 LEDs. The front panel displays read-outs of selected channel number and telemetry data. LEDs indicate operation mode, alarms and other system parameters. During alarm conditions, intelligent automatic corrective action can be taken by the remote terminal under the direction of the TaskMaster20. The remote terminal comes equipped with the appropriate modems to communicate over dedicated circuits (STL/ TSL/ FMSCA, 2/4 wired leased lines or standard dial-up lines).

***MRC1620RT**	remote terminal	**Mfr. List $3,450.00**
***MRC1620CT**	control terminal	**Mfr. List $1,550.00**
***TM20**	software (Windows version)	**Mfr. List $1,150.00**

Call For BSW Prices

MRC2 - Remote Control System

Multi-site, multifunction, the MRC2 controls and monitors as many as 99 remote sites, with multiple control terminal capability to let you delegate control from master to master as needed. Up to 255 status, 255 telemetry and 255 command channels supervise your sites.

Command, status and telemetry setup is straight forward on the MRC2. Using the remote terminal keyboard and 48 character alphanumeric LED display, the system provides plain English prompting and menu pages for setup selection. Similar procedures are used at the control terminal to set up and verify telemetry limits, assign data links and to set up controlled access for restricted functions.

Several options and configurations available. Call for complete information and pricing.

***Prices Based On Configuration**

SINE SYSTEMS

RFC-1/B/RAK-1/RP-8 - Remote Control

The RFC-1/B is an affordable, full-featured transmitter remote control system that can be accessed through a standard telephone or cellular phone. Readings are reported with a natural sounding human voice. The basic system consists of an RFC-1/B and an RP-8 Relay Panel. (Sold separately)

RP-8 is the interface to outboard equipment. It provides eight channels of telemetry input and control output (multiple RP-8s can be used to expand the system to 64 channels). The RFC-1/B can be programmed to perform power/pattern changes and take readings automatically. It can also be programmed to alert station personnel during an alarm condition.

RAK-1 adds a modem, parallel printer port, battery backed power supply, telephone line surge suppression and front panel indicators to the RFC-1/B in a sleek rack-mountable aluminum chassis. The 2400 baud 'AT' modem provides external control by computer and the parallel printer port allows simultaneous printer and modem operation. In addition to being controlled manually via telephone, the RFC-1/B and RAK-1 can perform tasks automatically, based on the date and/or time of day (i.e. pattern changes). Up to 80 timed events can be programmed into the system.

RFC1B	remote control	Mfr. List $1,250.00
RP8	relay panel	Mfr. List $425.00
RAK1	intelligent rack adaptor system	Mfr. List $700.00

Call For BSW Prices

AFS-2 - Audio Failsafe

The AFS-2 is typically used to trigger an alarm on a remote control system or terminate transmission if program audio fails. It monitors one or two audio signals and provides a relay contact closure as long as audio is present on at least one of the two audio inputs. When no audio is present on either input for a preset length of time, the relay contacts open and an Alarm LED lights. The length of the delay is adjustable from 7 seconds to 4.5 minutes. AFS-2 can be used with RFC-1/B remote control (above).

*AFS2	Mfr. List $260.00	Call For BSW Price

DAI-2 - Dial-Up Audio Interface

The DAI-2 is designed primarily to allow remote broadcasts at unattended stations but its uses are nearly unlimited. The DAI-2 combines a telephone autocoupler, a DTMF tone operated controller, audio switching, alarm sensing and output relays into an incredibly flexible system. The new relay panel includes one DPDT and seven SPDT relays with LED indicators. The optional DB-1 Delay Board can be used to eliminate the brief control tone bursts from reaching the air audio signal.

*DAI-2	Mfr. List $1000.00	Call For BSW Price
*DB-1	Mfr. List $135.00	Call For BSW Price

MARTI

SR10 - RPU Receiver

The frequency agility and superior selectivity of the Marti SR-10 help you maneuver through the high interference levels that plague today's RPU bands. **Features:** front panel channel selection (12.5 kHz steps) with 6 programmable priority channels that can be scanned or selected (option available for remote channel selection and display); front panel speaker and headphone jack with monitor level control; automatic noise reduction circuit; optional subaudible tone decoding. Frequency agile models now available for the VHF band.

*SR10	Mfr. List $2,500.00	Call For BSW Price

SRPT-40 - RPU Transmitter

This transmitter results from over 40 years experience with thousands of installations worldwide. The SRPT-40 incorporates all the features found in the popular RPT-30 and adds the ability to change frequency by means of front panel thumbwheel switches. Thanks to new switching power supplies, this transmitter produces 30% more power with 30% less weight and cooler operation. **Features:** 40 watts maximum output power at 400-480 MHz (other bands available); select frequencies directly from front panel; 158 channels; 4 balanced microphone inputs (one switchable to balanced line level); subaudible tone encoder for activating repeaters or other equipment; built-in audio compressor. Frequency agile models now available for the VHF band.

*SRPT40	Mfr. List $2,795.00	Call For BSW Price

RPT30/RPT15 - Remote Pickup Transmitters

Remotes are a breeze with a Marti Remote Pickup System. The RPT30 transmitter offers 4 balanced mic inputs (one selectable for line level) and a built-in FM compressor providing automatic modulation control.

The RPT15 is a compact 15 watt transmitter that can operate on 115 VAC or 12-14 VDC. It features an XLR mic input, Aux line level input and built-in FM compressor/limiter.

The RPT2B is Marti's hand-carried RPU transmitter that operates for up to 3 hours on an internal Ni-Cad battery, from 115 VAC or an external 12 VDC power source.

All of the above models are available as single or dual frequency systems.

*RPT30	30 watt transmitter	Mfr. List $1,815.00
*RPT15	15 watt transmitter	Mfr. List $1,365.00
*RPT2B	mobile transmitter with battery	Mfr. List $1,155.00

Call For BSW Prices

MARTI

CR10D - RPU Receivers

The CR-10D receiver offers single or dual-frequency operation with legendary Marti reliability. **Features:** built-in test meter; squelch relay; monitor speaker; subaudible tone decoding and noise reduction circuitry.

*CR10D	single frequency	Mfr. List $1,395.00	Call For BSW Price
*CR102D	dual frequency	Mfr. List $1,425.00	Call For BSW Price

MOSELEY

STARLINK 9001SS - Digital RPL

Using the latest in spread spectrum technology and audio source coding, this system provides CD-quality stereo remotes over distances of up to 30 miles. **Features:** ISO/MPEG or ADPCM (apt-X) plug-in source coder; up to 30 miles line of sight range; 2.4 GHz band; requires no license; antenna mount AMP/LNA; CD quality stereo simplex/duplex; built-in AES/EBU and sample rate converter.

*SL9001SS	digital RPL system	Mfr. List $9,250.00	Call For BSW Price

QEI

QUICK-LINK II - Digital Radio Link

This digital system operates in an unlicensed frequency spectrum to provide 15 kHz stereo or mono audio for your remotes. **Features:** eliminates the expense and hassles of setting up telephone lines; free from the interference and other inherent problems of analog RPU systems; linear digital audio (no compression); no licensing required; line of sight path and appropriate gain antennas required for proper operation; stereo analog I/O connectors are XLR Hi-Z (optional 600 ohm balanced). **Options:** QLC configuration software allows changing of the operating frequency, bandwidth, data rate and audio level via local PC or remotely via modem (not required for normal operation); QL-BA balanced I/O; GL-YAGI 15 dBi gain yagi with radome (type "N" female input).

*QUICKLINKII	digital remote system	Mfr. List	$8,495.00
*QLC	configuration software	Mfr. List	$195.00
*QLBA	balanced audio I/O	Mfr. List	$400.00
*QLYAGI	15 dBi yagi	Mfr. List	$266.00

Call For BSW Prices

CIRCUITWERKES

RP-1 - Mic and Headphone Amplifier

The RP-1 combines a high quality mic amp with a headphone amp in one battery-operated package. **Features:** calibrated metering; switchable sine-wave oscillator; balanced XLR in/out with gain controls; auxiliary line input; headphones and meter can monitor IFB or program/IFB mix; momentary switch, selectable as cough or PTT.

RP1		Mfr. List $299.00	Call For BSW Price

COMREX

CTA/LPQRA - Cue System for Wireless IFB

This Cue System sends program and instructions from its transmitter to pocket receivers. The CTA Cue Transmitter is a 1-watt rackmount unit that can be installed in a van, studio, press box, etc. It accepts program and cue audio sources, combining them so that cues automatically override the program. Program remains audible at a lower level. The LPQRA Receiver has a 6 kHz audio response for accurate program monitoring. Ceramic filters allow for interference-free operation. The LPQRA has high-level output for clear understanding in noisy surroundings. A sturdy leather belt pouch and headphone are included.

*CTA	Cue Transmitter	Mfr. List $1,350.00	Call For BSW Price
*LPQRA	Receiver	Mfr. List $625.00	Call For BSW Price

GENTNER

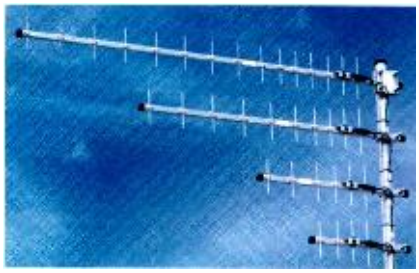
VENTURE - IFB Transmitter and Receiver

The Gentner Venture is an ingenious and affordable way for broadcasters to privately communicate to on-field reporters. The system is comprised of the Venture-Express interruptible feedback transmitter and Venture1 receivers. The wireless transmitter is channel selectable to 19 channels in the 216 MHz frequency band and works equally well indoors or outdoors. It features a microphone mute button, line input jack for connecting audio sources and lavalier mic element. The receiver features a small single ear piece.

910402061	Transmitter	Mfr. List $395.00	Call For BSW Price
910402004	Receiver	Mfr. List $115.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

ASTRON/ANTENNACO



H SERIES - RPU Yagi Antennas

A heavy-duty yagi with a sealed feed and solid rod elements to withstand the harshest environments. These reliable, 6 element, 9 dBd gain antennas are available in models to cover the 406-512 MHz range. Models for other frequencies and gains are also available.

***Call For BSW Pricing**

MARTI

YC SERIES - Yagi Antennas

These yagis are available in fixed frequencies ranging from 152.08 to 455.99 to cover any RPU application. The antennas have 5 or 6 elements depending on the frequency, and have a gain of 10 dB.

***YC SERIES** all models **Mfr. List $225.00** **Call For BSW Price**

SCALA

CA7-460 - Yagi Antenna

The CA7-460 is a seven-element yagi designed for high performance and long-term reliability even under severe environmental conditions. Its broad-band design makes it particularly suitable for systems requiring frequency agility within a specified band. Two standard models cover the 406-420 MHz and 450-470 MHz bands. Custom models are available for other portions of the 200-500 MHz spectrum. Impedance is 50 ohms, gain is 10 dB (over dipole), and input power rating is 250 watts.

***CA7-460** **Mfr. List $220.00** **Call For BSW Price**

WILL-BURT

Pneumatic Telescoping Masts

Will-Burt's pneumatic telescoping masts are a quick and convenient way to get the antenna height you need from your remote vehicles. The masts are extended from their compact nested height by pneumatic pressure supplied by air compressors, hand pumps or compressed air bottles. They can be mounted to extend through the roof of a remote vehicle, or on the vehicle's rear bumper.

***Call BSW For Pricing And Detailed Specifications**

HURRY-UP - Telescoping Mast

Here's a simple, inexpensive, and effective portable antenna mast for your remotes. The TMD Hurry-Up mast is designed for fast deployment of lightweight antennas. It consists of 6 graduated aluminum tubes which nest one inside another. The mast is extended by pushing up the sections and fixing them into position using quick lock/release collars. It can be fully extended to 25' in one minute. Hurry-Up's universal vehicle mounting stand allows you to take it on remotes using whatever vehicle is available. Weighs only 20 lbs. with a nested height of 6 ft.

***HURRYUP** **Mfr. List $1,600.00** **Call For BSW Price**

* Non-inventory item subject to return restrictions.

BELAR

FMMA1 WIZARD - Digital FM Modulation Analyzer

The Wizard™ is a microprocessor- controlled, digital modulation monitor/analyzer, available in FM and AM models that precisely measure peak modulation, peaks per minute, average peak modulation, modulation density and more. The Wizard Software (included with the Wizard) and an IBM-compatible computer enable real-time graphing, logging and remote operation. The FMSA1 combines with the FMMA1 baseband unit to offer DSP-based stereo monitoring.

*FMMA1	FM Wizard	Mfr. List $3,300.00
*FMSA1	stereo monitor	Mfr. List $3,900.00
*AMMA1	AM Wizard	Mfr. List $3,300.00

Call For BSW Prices

FMM2

AMM2C

FM/AM SERIES - Modulation/Frequency Monitoring Products

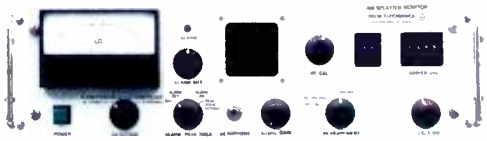
For more than 30 years Belar has been making precision modulation monitoring products and established a reputation that makes their name synonymous with reliability. Belar makes a model and options to fit every application.

Below is a list of the major products available for your reference. Please call BSW for more information on specifications and options available for all these trustworthy products.

*FMM2	FM precision modulation monitor	Mfr. List $1,790.00
*FMS2	FM stereo modulation monitor	Mfr. List $2,050.00
*FMM4A	FM digital frequency monitor	Mfr. List $1,590.00
*SCM2	SCA modulation monitor	Mfr. List $2,050.00
*RFA4	frequency agile FM RF amplifier	Mfr. List $1,190.00
*RFA1A	fixed frequency FM RF amplifier	Mfr. List $850.00
*AMM2C	AM modulation monitor	Mfr. List $1,590.00
*AMM3	AM modulation monitor	Mfr. List $1,790.00
*AMM4	AM digital frequency monitor	Mfr. List $1,390.00
*RFA2	AM RF amplifier (specify frequency)	Mfr. List $790.00

Call For BSW Price

DELTA



SM-1 - AM Splatter Monitor

Now you can use the same tool that the FCC uses to measure your station's compliance with NRSC and FCC regulations and requirements. Inexpensive and easy to use and interpret.

*SM-1		Mfr. List $4,490.00	Call For BSW Price
*AWA1	active whip antenna	Mfr. List $780.00	Call For BSW Price

INOVONICS

530-00 - FM Off-Air Modulation Analyzer

The 530-00 combines a frequency-agile, wideband FM receiver with very linear demodulation and metering circuitry for precise measurement of FM broadcast carrier modulation. **Features:** carrier modulation scale displays total modulation or independent positive and negative deviation in three ranges and resolutions; peak hold function and program peak measurement integration; adjustable peak flasher (1% increments); stereo pilot injection level shown in percent and dB; demodulation stereo program metering has an 80dB range and 1dB resolution for level and noise measurements of the L, R, sum and difference channels; front-panel display of signal strength and multipath effects; tunable receiver with eight presets; automatic switchover to direct RF sample (if desired); continuous coverage of the FM broadcast band; preset alarm indicators for poor reception conditions; manual selection of forced-mono mode and program de-emphasis; headphone jack.

*53000	Mfr. List $2,500.00	Call For BSW Price

MODULATION SCIENCES

MODMINDER - FM Modulation Monitor

Increase modulation with less processing, and still stay within FCC limits. ModMinder™ gives you more accurate measurement of modulation in accordance with the most recent FCC standard. FM ModMinder registers only those longer events that the FCC really cares about. The end result is you may be able to boost your modulation up to 3 dB depending on the type of processing you use. Digital technology improves measurement accuracy by 500% and user-selectable response time allows less processing without sacrificing loudness. Remote software included for dialup access. ModMinder FMMM2 includes an internal demodulator.

*FMMM2	ModMinder W/Demodulator	Mfr. List $3,090.00

Call For BSW Price

* Non-inventory item subject to return restrictions.

No Tradeoffs
No Risks

Only Top Performance...

...at a cost savings means real value in any broadcast market. But don't take our word for it or let our 25-plus years in the business cloud the issue. Try these or any of our first-quality products at your station at no risk with our no-fault, 30-day return policy.

"David-II" FM PROCESSOR/STEREO-GEN

Famous the world over for surprisingly competitive and clean audio at a budget price. Digital synthesis design gives great specs and terrific sound.

FM MOD-MONITOR WITH PRESCALER

Off-air modulation measurement with easy-to-read display, 8 station presets, alarms and multipath indicator. A companion tunable subcarrier monitor/demod is also available.

PRECISION FM REBROADCAST RECEIVER

A feature-packed receiver for translators and other demanding off-air program pick-ups. Synthesized tuning, MPX/demod outputs, alarms and more!

RDS/RBDS "MINI-ENCODER"

Quickly program it with any PC to transmit station call letters, format and other identifiers, translator frequencies, promcs/slogans, phone number, etc.

"PBX" TELEPHONE LINE "ELIMINATOR"

Save telco line charges! Up to 7 remote controls, modems, alarms and other dial-up gear can share a single phone line for incoming and outgoing calls.

Proud of our affiliation with BSW for over 20 years

Inovonics, Inc.

MODULATION SCIENCES

MSI-320 - Precision Video Demodulator

The MSI-320 precision video demodulator provides advanced, accurate measurement and monitoring of visual and aural signals for TV and cable at an affordable price. **Features:** Nyquist SAW filter; synchronous video detector; continuous all-channel tuning; a high-quality aural composite baseband output; non-intercarrier or quasi-parallel aural, and status alarms for sync, audio and RF; <1.2% differential phase and <1.2% differential gain; easy-to-read and easy-to-set-up front panel display and menus.

***MSI320** **Mfr. List $5,650.00** **Call For BSW Price**

QEI

691/01 - FM Modulation Monitor/Test Set

The 691/01 is a highly technical, precision instrument employing a combination of test techniques in a versatile yet very compact package. It was designed to be a complete FM test package with facilities for all proof-of-performance measurements and a wide range of trouble-shooting tests. Operator convenience and simplicity of use were primary considerations in the design of the 691/01. 18 tests can be performed in addition to measuring FM and SCA modulation when used with an oscilloscope.

***691/01** **Mfr. List $6,875.00** **Call For BSW Price**

TFT

844A - FM/Stereo Modulation Monitor

You get everything you need for complete proof-of-performance measurements (for distortion, an external analyzer is needed) right on the front panels, plus accuracy, versatility and convenience no other monitors can match. The 844A FM Monitor combines a tunable RF preselector, a baseband monitor and a stereo monitor in one compact instrument.

***844A** **Mfr. List $5,150.00** **Call For BSW Price**

TFT

884 - FM Stereo Modulation Monitor

A cost effective alternative to TFT's popular model 844. It can be used for transmitter proof-of-performance measurements or for off-air monitoring. The frequency synthesized preselector lets you compare your signal with other stations.

***884** **Mfr. List $3,765.00** **Call For BSW Price**

INOVONICS

701-00 - RDS/RBDS "Mini" Encoder

The 701-00 is a unique and inexpensive encoder that, within minutes, will have you broadcasting the radio-data IDs, service flags and text messages which the latest consumer receivers are already seeking. **Features:** stand-alone operation does not require a dedicated host computer; messages held in non-volatile memory (the encoder may be conveniently programmable, then taken to the final installation site); locks to stereo pilot from bridged composite/MPX sample (no special 19 kHz "sync" port is required); simple menu-driven programming software included.

***70100** **Mfr. List $390.00** **Call For BSW Price**

710-00 - RDS/RBDS Encoder

Get on the air quickly with this versatile dual-mode encoder. The 710 is a fully "dynamic" encoder that can be used in tandem with a PC to give you on-line control, or it can operate in "static" mode with up to 15 pre-programmed frame sets that can be selected locally or remotely. **Features:** unity-gain, loop-through operation with fail safe bypass; phase-locks to stereo pilot or defaults to internal crystal timebase; front-panel or remote message frames selection (automatic sequences through selected message frames); free initial factory programming of the "static" message frames (menu-driven EPROM programming software comes with the 710); no additional hardware required for PC controlled "dynamic" operation (all necessary software is supplied).

***71000** **Mfr. List $1,050.00** **Call For BSW Price**

* Non-inventory item subject to return restrictions.

BELAR

RDS-1 - RDS/RBDS Monitor

The RDS-1 displays RDS/RBDS parameters including RDS injection, stereo pilot injection, RDS/pilot phase error, radio text, alternative frequencies, data channels, groups present, location/navigation, radio paging and more. It also features an RS-232 port for computer display.

***RDS-1** **Mfr. List $2,200.00** **Call For BSW Price**

CIRCUITWERKES

TELERADIO - Remote Controlled Listen Line

The TeleRadio is a rack-mounted device that contains an AM/FM tuner coupled with a switcher that allows any touch-tone telephone to change station presets so you can listen to your station and the competition in real-time. Perfect for allowing consultants and group program directors to monitor up to 10 radio stations in the same market from a remote location. TeleRadio's auto answer and hang-up allows for unattended operation.

TELERADIO **Mfr. List $689.00** **Call For BSW Price**

DENON

TU-1500RDP - AM/FM/RDS Tuner

The TU-1500RDP is an affordable AM/FM stereo tuner featuring highly sensitive reception performance and detailed, clear sound. High sensitivity along with high selectivity ensures clear reception. **Features:** sophisticated tuning circuit design; 4-stage variable capacitors in its front end guarantee accurate tuning of station frequencies; low-impedance output circuit (100 ohms); Radio Data System (RDS) compatible; 40 AM/FM station preset memory; optional rack mount kit; optional wireless remote control.

TU1500RDP **Mfr. List $375.00** **Call For BSW Price**

INOVONICS

510-00 - RDS/RBDS Decoder/Reader

A self-contained decoder/reader for radio-data, the 510 easily connects to the composite output jack of any modulation monitor. **Features:** setup mode references to 100% carrier modulation with digital metering of injection level; supports European CENELEC and U.S. NRSC standards; "glossary" utility defines the RDS/RBDS abbreviations; RS-232 port provides a two-way computer interface (software provided); back-lighted LCD panel display; supports groups 0,1,2,3,4,5,6,7,9,14,15.

***51000** **Mfr. List $1,950.00** **Call For BSW Price**

ROLLS

RS78B/RS79 - AM/FM Tuner

These single rack space tuners offer the features and performance broadcasters need at very affordable prices. The RS78B features 16 FM and 8 AM presets that stay in memory for up to 4 days with the power off. Its large LCD display stays visible even in bright daylight.

The RS79 adds balanced XLR outputs, a signal strength meter, a front panel headphone jack and 3-year preset memory.

RS78B **Mfr. List $247.00** **Call For BSW Price**
RS79 **Mfr. List $298.00** **Call For BSW Price**

TEAC

TR600 - AM/FM/RDS Stereo Tuner

Features: Phase Locked Loop (PLL) synthesized tuning system; 20 FM and 20 AM station memory; multi-function fluorescent display; FM stereo/mono selector; station name ID function; RDS information receiver.

TR600 **Mfr. List $199.00** **Call For BSW Price**

MARTI

DSTL - Digital STL

The DSTL (originally manufactured by Dolby) features the Dolby AC-2 Digital Audio System, and takes full advantage of the latest in audio, digital and RF technologies. **Features:** highly sensitive receiver offering increased fade margin even on long or obstructed paths; greater immunity to interference through a wide RF dynamic range giving you the very best signal quality; superior spectral efficiency due to sophisticated modulation techniques and an ultralinear RF transmitter; frequency response left and right 20 Hz to 15 kHz; less than .08% distortion at 1 kHz; dynamic range 90 dB; channel crosstalk less than -80 dB, -90 dB at 1 kHz; 44.1 kHz sample rate (left and right); two modem channels (1 modem 2400 baud max, 1 modem 9600 baud max); time delay less than 9 ms.; weight 42 lbs.

***Pricing Is Based On Configuration**

* Non-inventory item subject to return restrictions.

MARTI

STL15C/R15C - Composite STL System

The Marti STL-15C transmitter and companion R-15C receiver form a high quality, frequency synthesized, radio communications link. Depending upon the available channel bandwidth, the systems can transmit composite stereo with two subcarriers, or digital stereo audio when used with external modems. **Features:** unexcelled composite stereo separation, noise and distortion specs; high interference rejection receiver; 9.5 watts of power; new narrow channels provision for automatic switching; 2-year limited warranty.

***STL15C/R15C** Composite Stereo System **Mfr. List $6,000.00**

Call For BSW Price

STL10/R10 - STL System

For mono operations or for non-composite stereo applications, choose the STL10 Package. Separate right and left units can be linked for stereo operation with greater interference rejection, superior noise specifications and lower channel crosstalk than most composite systems. Four optional sub-channels are available. **Features:** excellent square wave response; user selectable audio processing; low pass and band pass filtering for minimum overshoot and high selectivity; extensive front panel test features and built-in automatic switching capability.

***STL10/R10** mono system **Mfr. List $3,550.00 Call For BSW Price**

MOSELEY

DSP6000 - Digital STL Encoder/Decoder

Your key to an STL system that can pass CD quality audio is the DSP6000. This digital encode/decode system is designed to be used with Moseley PCL6000 or PCL606 Series STLs. **Features:** 90 dB SNR with only .01% distortion; operates in existing channel allocations from 100 to 500 kHz, coexisting with established analog radios; higher system gain (up to 25 dB over analog STLs), constant SNR - unaffected by fades, no crosstalk, no degradation with multiple hops.

The standard system comes equipped with an encoder and decoder for two (right and left) audio channels and one data channel with provisions for up to two auxiliary program channels and one additional data channel.

***DSP6000E2**	2 audio/one data encoder	**Mfr. List $2,995.00**
***DSP6000D2**	2 audio/one data decoder	**Mfr. List $2,995.00**
***DSP6000E4**	4 audio/2 data encoder	**Mfr. List $4,450.00**
***DSP6000D4**	4 audio/2 data decoder	**Mfr. List $4,450.00**

Complete STL Packages Available

Call For BSW Prices

MOSELEY

STARLINK 9003T1 - T1/E1 Audio Transmission System

The Starlink 9003T1 is a powerful, all-digital modular system for transmitting CD quality audio over T1/E1 lines. It provides great flexibility in configuring multiple channel STL/TSL. Perfect for LMAs and duopolys, its configuration options are limited only by the imagination. This system utilizes 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, drop/insert and variable-rate digital mux, speech/fax/data cards, T1/E1 and more. A building block "any card, any slot" approach is used resulting in lower cost, greater flexibility and enhanced reliability. The use of international standard digital I/Os allows the system to seamlessly connect to the outside world. This commitment to open architecture gives you the power to choose solutions that will work with existing and future investments. Linear digital audio can be delivered by use of a source coder module, a source decoder module, two T1/E1 line drivers, external CSUs and the mainframes. Full duplex T1/E1 audio transmission is possible by the addition of another source encoder and decoder pair. A digital four-port mux allows additional compressed audio channels to be carried by the system. In addition, data and voice cards for transmitter control and operational communications can be added into the system. Several STL/TSL pre-packaged systems are available, or configure a system to your specifications. Call for more information.

***Pricing Is Based On Configuration**

STARLINK SL9003Q - 4-channel STL

Continuing its four decades of leadership and innovation in broadcast products, Moseley is proud to offer the Starlink SL9003Q - their latest technology and the world's first open-architecture, all-digital, 4-channel linear audio Studio-Transmitter Link. Utilizing spectrally efficient QAM (Quadrature Amplitude Modulation) technology, the SL9003Q delivers four 16-bit linear audio channels and two data channels over a single narrow-bandwidth 950 MHz STL channel. This uncompressed audio is absolutely uncompromised and can be configured with up to two pairs of stereo audio (it's like getting two radios for the price of one). AES/EBU I/Os, combined with a built-in variable rate converter, provide seamless connection to the all-digital air chain without compression. Plug-in MPEG audio modules and a digital multiplex allow for additional program, voice, FSK async and sync data channels. The high spectral efficiency of the SL9003Q is achieved by user-selectable 16, 32 or 64 QAM. Powerful Reed-Solomon error correction, coupled with a 20 tap adaptive equalizer, provide unsurpassed signal robustness in hostile RF environs. An ultra-linear 2 Watt average transmit power out is achieved with redundant RF power modules. Other features include: user-selectable 200-500 kHz channel bandwidth; built-in T1/E1 connectivity; minimal processing delay; full metering and diagnostics. Attain the peak performance you seek with the Starlink SL9003Q.

***Pricing Is Based On Configuration**

* Non-inventory item subject to return restrictions.

Sound Advice.

1. Demand UNCOMPRESSED 16-bit linear audio in your all-digital air chain. Compression means compromise and we just won't hear of it.

2. Select a digital STL that can be configured with UP TO TWO PAIRS of linear stereo audio. It's like getting two radios for the price of one.

3. Exercise your FREEDOM OF CHOICE. Choose 32, 44.1 or 48kHz audio sampling. It's your broadcast—select the rate that works best for you.

4. Choose a digital STL that CAN ADAPT TO ANY RF ENVIRONMENT with user-defined 16, 32 or 64 QAM rates. (Flexibility is always a good thing.)

5. Purchase a 950 MHz RF STL. The channel allocation is free, and the money you save over a T1 STL goes straight to your bottom line.

Moseley's Starlink SL9003Q is the only 4-channel digital studio transmitter link on the market with all these features. Not just an STL, a sound investment.

Moseley

111 Castilian Drive • Sarta Barbara, CA 93117-3093

MOSELEY

PCL6000 SERIES - Composite STL Systems

The PCL6020, 6030 and 6060 systems employ a synthesized reference oscillator to eliminate fixed frequency crystals. Monaural or composite operation is available from a single system. By selecting appropriate jumpers, you can enable wideband composite stereo or 15 kHz monaural basebands. Two PCL6000 systems can be used in a dual discrete configuration to transmit right and left stereo programs with no measurable crosstalk. Receiver IF bandwidth can be factory or field set for channel spacing of 100 kHz to 500 kHz.

If you have no adjacent channel interference, the PCL6020 will offer superior performance. The PCL6030 and PCL6060 are designed for hostile RF environments where adjacent channel rejection is required.

*PCL6020	Mfr. List $8,250.00	Call For BSW Price
*PCL6030 System	Mfr. List $9,250.00	Call For BSW Price
*PCL6060	Mfr. List $9,950.00	Call For BSW Price

MUSICAM

TEAM - T1/E1 Audio Multiplexing Transmission System

Send uncompressed linear audio or up to 12 compressed mono channels over T1 or E1 lines! TEAM is a universal audio transmission system that comes complete with both linear and multiple MPEG coding standards. TEAM is ideal for STL use and your multiple audio transmission requirements. TEAM's modular design lets you customize an audio and data transmission system that's right for you. Each TEAM comes standard with a main frame, control processor, T1 or E1 multiplexer and power supply. You can then mix and match Encoders, Decoders, X.21 Modules and redundant Power Supply Modules as required.

*TM-B	Base unit with 4U chassis, control processor & AC power supply	Mfr. List $2,300.00
*TM-T1MUX	T1 multiplexer	Mfr. List $1,250.00
*TM-E1MUX	E1 multiplexer	Mfr. List $1,250.00
*TM-E	Encoder module, stereo, analog, AES/EBU and ancillary data	Mfr. List $1,025.00
*TM-D	Decoder module, stereo, analog, AES/EBU and ancillary data	Mfr. List $925.00
*TM-X.21	X.21 module with two X.21 ports for n x 64 kbps	Mfr. List $350.00
*TM-60	60-volt DC power supply module	Mfr. List $725.00
*TM-260	Spare universal AC power module	Mfr. List $700.00
*TM-CP	Spare control processor module	Mfr. List $1,305.00

Call For BSW Prices

QEI

CAT-LINK - STL/TSL System

CAT-LINK is a digital STL/TSL system that provides two-way transmission of program material over readily-available T1 telco services. Linear Digital PCM encoding/decoding provides a transparent link to the transmitter without audible delays. CAT-LINK offers multichannel send/receive capabilities for discrete audio, composite audio and digital audio via AES/EBU interface.

*Prices Based On Configuration

TFT

8910 RECITER - STL Receiver/FM Exciter

The Reciter™ combines the function of an STL receiver and an FM exciter with an Intermediate Frequency (IF) interface between them. This allows the cleanest transfer from an analog receiver to an FM exciter available.

*8910	Mfr. List $9,100.00	Call For BSW Price

DMM92 - Digital STL Modem & Multiplexer

DMM92 encoders and decoders allow transmission of digitally encoded audio and computer data via conventional analog radio equipment. A system provides CD quality audio utilizing apt-X subcoding for very short audio delay. Digital and analog I/O and multiple channel versions available.

*System Prices From $6,350.00 Mfr. List
Call For BSW Pricing And Configuration

9100A/9107A - Composite STL System

TFT's highest quality analog STL. **Transmitter Features:** 0.02% THD; 85 dB SNR; 55 dB stereo separation; 5-year warranty; CD quality audio when used in conjunction with TFT's Reciter; AC or DC operation (±12V, ±24V, ±48V). **Receiver Features:** 0.05% THD; 80 dB SNR; 50 dB stereo separation; high interference immunity without phase distortion; 5-year warranty and built-in receiver switchover.

*9100A	Mfr. List $3,725.00	Call For BSW Price
*9107A	Mfr. List $3,385.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

ANDREW

GRIDPAK - Grid Antennas

Andrew GRIDPAK and Mini GRIDPAK antennas are high-performance, low windload grids. Transportation costs are reduced on these antennas because they are shipped totally disassembled in a lightweight flat package.

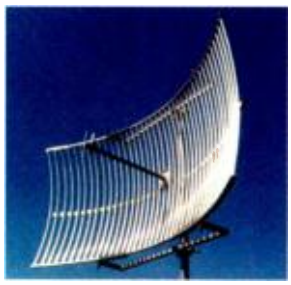
***Price Based On Size And Configuration**

MARK

Grid Antennas

Mark grid antennas are very light weight and durable, made of HeliArc welded aluminum for superior strength and rigidity. These grid antennas have virtually the same electrical characteristics of comparable size parabolic reflectors but only about 25-30% of the wind load factor. When ordering specify size, frequency, pressurized or non-pressurized, heated or non-heated.

***Price Based On Size And Configuration**



SSH9A72GN - Super Short Haul Antenna

The SSH9A72GN is a point-to-point grid antenna designed to work in any frequency between 940-960 MHz. The antenna has a mid band gain of 20 dBi and half power beamwidth of 19° (horizontal) and 10° (vertical). It weighs only 30 lbs. (including feed and mount), and utilizes universal clamps for quick installation on pipe diameters from 1.9" to 3.5" O.D. UPS shippable!

***SSH9A72GN** **Mfr. List $985.00** **Call For BSW Price**

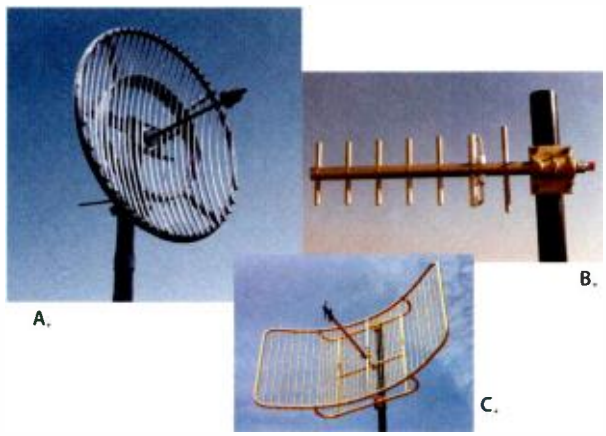
MARTI

SC48 - Parabolic Antenna

This low cost, 4' antenna is broadband for the 940 to 960 MHz aural STL band and is category B rated in vertical and horizontal planes. Gain at 950 MHz 21.05 dbi, 1/2 power beam width 16 degrees, max. input power 100 watts.

***SC48** **Mfr. List $895.00** **Call For BSW Price**

SCALA



A.

B.

C.

Grid Parabolic Antennas (A.)

BSW now offers a full line of grid parabolic antennas from Scala for applications within the 940-960 MHz range. Dish sizes from 48" to 144".

***Call For BSW Pricing And Configuration**

TY-900 - Yagi Antenna (B.)

The Scala TY-900 is a rugged broadband yagi antenna specifically designed for professional fixed-station applications in the 890-960 MHz band. The TY-900 is fabricated of 6061/T6 aluminum rod and seamless drawn pipe, anodized for maximum reliability and corrosion resistance. The hardware and fastenings are stainless steel. The internal balun, coax feed and connector are sealed in a foam potting system to prevent moisture penetration and assure long service life in severe environmental conditions. Input power rating is 100 watts, gain is 10 dB and impedance is 50 ohms.

***TY-900** **Mfr. List $180.00** **Call For BSW Price**

PR950 - Paraflector Antenna (C.)

Widely used for point-to-point STL links, telemetry, and UHF-TV, the PR Series Paraflector® offers rugged construction for reliable long-term service, even in severe environmental conditions. Universal mounting bracket allows for easy horizontal or vertical mounting. Specify frequency when ordering. UPS shippable.

***PR950** **Mfr. List $700.00** **Call For BSW Price**

* Non-inventory item subject to return restrictions.

CROWN

FM SERIES - Integrated FM Transmitter Systems

More than just an FM exciter or amplifier, a Crown integrated FM transmitter system combines built-in audio processing and stereo generation in one rugged, compact unit. Each model provides excellent signal quality, ease of use, and economical long-term reliability with a variety of features including: quick set-up; built-in digital metering and diagnostics; 87-108 MHz user-selectable frequency range; 100/120 VAC, 220/240 VAC or DC operation. Reliable operation is a major design criterion. With Teflon circuit boards and copper heat spreaders in the RF chain, the unit functions with less head and improved life span. A unique Automatic Level Compensation (ALC) circuit protects the unit from voltage, temperature and VSWR variations. If operating parameters move outside the safe operating range, the ALC automatically reduces output power to safe limits until normal conditions are restored.

Highly efficient power amplifiers are part of the FM transmitter system 1 kW and 2 kW transmitters. The FM2000T 2 kW transmitter is broadband and 75 to 80% efficient across the band. It includes a power amplifier, power supply and FM100T driver and features hot-swappable 500 watt power modules, a responsive protection mode and a power-factor-corrected power supply. The FM1000T 1kW transmitter includes power amplifier, power supply, FM30T driver and four hot-swappable 250-watt power modules. All Crown units feature a 3-year warranty.

*FM30T	30 watt transmitter	Mfr. List $4,195.00
*FM100T	100 watt transmitter	Mfr. List $6,150.00
*FM250T	250 watt transmitter	Mfr. List $7,495.00
*FM500T	500 watt transmitter	Mfr. List $9,795.00
*FM1000T	1kW transmitter/power amplifier	Mfr. List $15,795.00
*FM2000T	2kW transmitter/power amplifier	Mfr. List $20,795.00

Call For BSW Prices

MARTI

ME40 - FM Exciter

The ME40 is a quality 40 watt synthesized FM Exciter at a surprisingly low price. This is an excellent choice to replace your older exciter or for use as a standby. **Features:** 40 watts VSWR protected power, peak-hold baseband modulation LED display, test multimeter with forward and reverse power ranges, full remote capability, and 2-year limited warranty.

*ME40	Mfr. List $3,495.00	Call For BSW Price

QEI

E SERIES - FM Exciters/Transmitters

The E series establishes a new level of FM performance with the advantage of highest power emergency back-up available in an exciter style package. QEI took the field-proven design of the model 695 exciter and incorporated high power FET amplifiers to deliver uncompromised performance as a transmitter, exciter, booster or translator (option). **Features:** frequency synthesized in 100 kHz increments (10 kHz optional); phase locked; "on-carrier" direct FM; unconditionally stable solid state amplifier and ultra low distortion, crosstalk and noise. 75 to 1000 watts.

***Call For BSW Pricing**

QUANTUM SERIES - Solid State FM Transmitters

QEI's Quantum Series of FM broadcast transmitters are totally solid state and provide an unsurpassed broadcast signal with utmost efficiency. All Quantum transmitters under 6 kW fit in a cabinet only 59" high, facilitating air freight shipping and easy installation. Quantum allows you to buy precisely the amount of power you need between 1.2 and 9.6 kilowatts in 600 watt increments. QEI's exclusive cableless, solid state power combiner eliminates all trouble prone connections and high loss cabling. A single phase power supply facilitates installation for a range of applications.

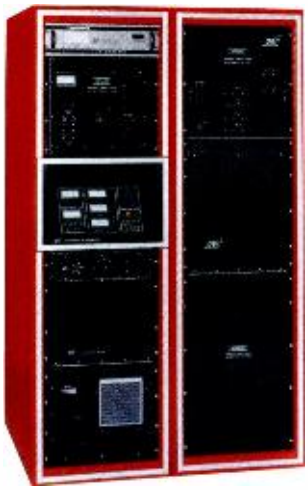
QUANTUM SERIES - Broadband Emergency Transmitters

Now there's a cost-effective alternative for groups desiring complete transmitter backup for multiple frequencies. This broadband line features remote control frequency agility so a single transmitter can back up multiple sites within a given market. Modular systems can be configured to your specific power requirements.

***Call For BSW Pricing**

* Non-inventory item subject to return restrictions.

QEI



FMQ SERIES - FM Tube Transmitters

QEI's FMQ series FM broadcast transmitters are conservatively designed for years of trouble-free service. Available in 3.5, 5, 10, 20 and 30 kW models, these transmitters utilize an inherent broadband design to provide a superb broadcast signal. The FMQ power amplifiers utilize a single triode in grounded grid service. This grounded grid triode design offers inherently greater stability, better performance and is less critical in operation than its tetrode counterparts. FMQ series transmitters are supplied with the 675B exciter and optionally with the model 695 exciter.

***Call For BSW Pricing**

ANDREW

The Andrew Corporation, world leader in the design and manufacture of communications equipment and systems, is well known in the radio broadcast community for supplying high quality transmission cable and related accessories. BSW is proud to represent a complete line of products for all your transmission cabling requirements including HELIAX® foam and air-dielectric cable connectors and accessories, rigid transmission line and accessories, and STL antennas. BSW also stocks 1/2" transmission line for immediate delivery.

Call BSW With Your Requirements

CABLEWAVE

Cablewave Systems is dedicated to the design and manufacture of RF related products including: aluminum and fiberglass parabolic microwave antennas, Flexwell and Cellflex low loss coaxial cables, rigid coaxial lines, Flexwell elliptical waveguides, connectors, pressurization equipment, and RF associated accessories. BSW carries the complete line of Cablewave products and can supply the proper products for any situation.

***Call BSW Toll Free With Your Requirements**

ALTRONIC RESEARCH INC.

RF Coaxial Load Resistors

Altronic Research, Inc. manufactures the Omegaline RF coaxial load resistors (dummy loads). These are economical, lightweight, portable dummy loads for terminating coaxial transmission lines and are available in air or water cooled models.

***Prices Based On Configuration**

DELTA

Coaxial Transfer Switches

Delta Electronics offers a range of high quality RF related products including a series of coaxial transfer switches for 3 1/8" and 1 5/8" transmission line. These units can switch transmission line in less than two seconds with manual or remote operation.

***Call BSW For More Information**

* Non-inventory item subject to return restrictions.

ELECTRO IMPULSE

RF Coaxial Loads

Electro Impulse is a leading supplier of specialized equipment for the communications and broadcast industries such as dry, convection and forced air-cooled loads.

***Prices Based On Configuration**

JAMPRO

FM Antennas

Jampro manufactures a complete line of FM antennas and associated RF products including the "Penetrator" series of FM sidemount antennas, the JBCP "Rototiller" design and the revolutionary JBBP sidemount with balanced feed design. Jampro antennas are available in a wide variety of power levels and configurations for virtually any application. Over 35 years of manufacturing expertise goes into every antenna, combiner, filter and rigid line component they make.

***Call BSW For Prices And Specifications**

KINTRONIC LABORATORIES

Isocouplers

Kintronic Laboratories' Isocouplers provide versatility to existing AM radiating elements by allowing for installation of transmit/receive, FM and TV antennas operating in the frequency range of 30-1000 MHz without disrupting AM antenna characteristics.

***Pricing Based On Configuration**

MODULATION SCIENCES

CLD2504 - Composite Distribution Amplifier

Modulation Science's one-in four-out Composite DA lets you continuously and simultaneously drive dual main transmitters, back-up transmitters, alternate processor setups, etc.

***CLD2504** **Mfr. List $950.00** **Call For BSW Price**

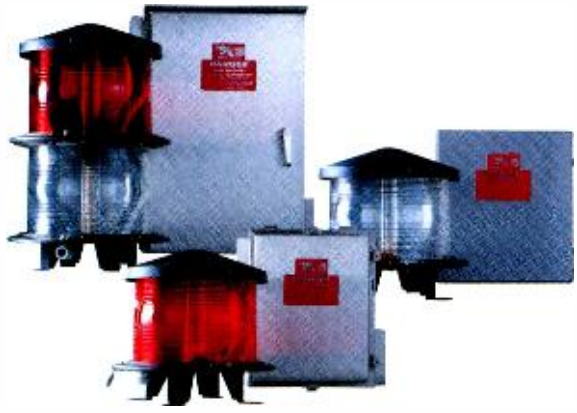
SHIVELY LABS

RF Products

Shively Labs brings over 30 years of engineering excellence and manufacturing experience in offering a complete line of RF transmission products. The line includes FM and UHF antennas at all power levels, single or multifrequency; filters; combiners, balanced or branched; coax components; new B-LINE transmission line and compressor dehydrators.

***Call BSW For Prices And Specifications**

TWR



Lighting Equipment

TWR is a world leader in the design and manufacturing of high quality aviation obstruction lighting. With 20 years experience, their innovative approach to construction, serviceability and ease of installation make them a preferred provider. Along with a complete line of OL (L-810), Red (L-864), White Strobe (L-865) and Dual Red/White Strobe (L-864/865) light kits, they also provide the industry standard in technical training. The ETL certified and FAA approved products are suitable for various applications and obstructions, such as broadcast towers, smokestacks, buildings and water towers.

***Call For BSW Pricing And Configurations**

* Non-inventory item subject to return restrictions.

BROADCAST TOOLS

USC-16/XP-3 - Satellite Channel/Transponder Controllers

The USC-16 provides remote channel selection for DAT-SEDAT digital audio cards installed in Scientific Atlanta DAT-32 series, Comtech/Fairchild DART-384 and Ariel receivers, along with 16 memory selections for Scientific Atlanta ENCORE, DSR-3610 or AD-4595 receivers. It features a 2400/9600 baud serial port for computer control, status and easy programming.

The XP-3 provides remote transponder selection for Scientific Atlanta, Comtech/Fairchild and Ariel receivers. It allows selection of the three transponder channels via user's remote control systems or switch contacts. It's equipped with a wire captive terminal strip providing remote control and status, along with local switches for transponder selection.

USC-16	channel selector	Mfr. List $299.00	Call For BSW Price
XP3	transponder controller	Mfr. List $299.00	Call For BSW Price

DSC-20 - Dual Satellite Controller

The programmable DSC-20 adds remote control capability to the Scientific-Atlanta Encore, DSR-3610, AD-4595, Virtex StarGuide II/III, Com Stream and Wegener 4000 receivers, allowing memory/service/audio changing by automation systems or contact closures. The DSC-20 may be configured to control any combination of two receivers listed above. When the DSC-20 is controlled from a PC's serial port, unlimited 48 character ASCII serial strings and 100 memory selections are provided for the receivers. Customized programming is accomplished with a non-dedicated computer.

DSC20	Mfr. List $299.00	Call For BSW Price

PSC - Programmable Schedule Controller

The PSC stores and controls up to 160 time and date events. It's equipped with 20 SPST relays and can also send up to 32 serial custom commands. All program events are stored in nonvolatile EEprom memory. Programming the PSC is simple – just attach it to a non-dedicated PC running standard, off the shelf, communications software such as Bitcom, ProCom Plus, Windows Terminal, etc. The PSC features an AC line 60 Hz time base for precise timing, DST correction. A Supercap is provided to operate the clock processor when the PSC is not attached to an AC power source.

PSC	Mfr. List $399.00	Call For BSW Price

CIRCUITWERKES

SUB-03/SEN-6 - Subaudible Tone Decoders/Encoder

The Circuitwerkes SUB-03 decodes industry standard 25 Hz, 35 Hz and combination tones with dry contacts for each. **Features:** LEDs for all three outputs, audio presence and clipping LEDs, balanced input and output with gain adjustments and integral audio filtering; external enable lets automation or clock prevent unwanted closures. It may also be ordered for 50 or 75 Hz operation.

The SEN-6 subaudible encoder takes contact closures and generates 25 Hz, 35 Hz, combo 25/35, 50 Hz, 75 Hz and combo 50/75 tones. **Features:** active balanced audio in and out with gain control; integral filtering keeps audio source material from falsely activating decoders.

SUB03	25 Hz/35 Hz tone decoder	Mfr. List $349.00	Call For BSW Price
SEN6	subaudible encoder	Mfr. List $399.00	Call For BSW Price

DTMF-16/DEN-8 - DTMF Decoder/DTMF Generator

The DTMF-16 listens to practically any audio source and activates its appropriate optocoupler output when it hears any of the sixteen DTMF tones. Jumper selectable modes are available for momentary, interlocking-latching, two-tone and anti-falsing. Applications include backup transmitter control over STL, radio or telephone coupler, remotely controlled audio switcher, etc. It is also perfect for interfacing networks to your automation, controlling remote satellite receivers, etc. **Options:** the SILENCER option board lets you send inaudible DTMF control signals via your RPU, satellite, dedicated loops or standard dial-up phone lines. Your talent or producer in the field can fire IDs, start breaks, light up an attention flasher, or control just about anything right in the program path, without getting any tones on the air.

The DEN-8 is a DTMF generator that takes up to 8 contact closures and generates separate, user programmed DTMF sequences from 1 to 10 digits long. Active balanced output with level control.

DTMF16	Mfr. List $219.00	Call For BSW Price
SILENCER	Mfr. List $159.00	Call For BSW Price
DEN8	Mfr. List $299.00	Call For BSW Price

DS-8 - DTMF Decoder

The DS-8 is a DTMF sequence decoder providing dry closures for eight different tone sequences. Can decode 1 to 4 digit DTMF sequences used by networks for automating closed-circuit feeds and local insertions. Relays can be easily programmed via DTMF phone to operate in momentary, latching, or interlocked latching modes. Great for networks.

DS8	DTMF decoder	Mfr. List $299.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

ALESIS

MONITOR TWO

MONITOR ONE

POINT SEVEN

MONITOR ONE/MONITOR TWO/POINT SEVEN - Studio Reference Monitors

Arrakis Monitor One™ is a compact near-field reference speaker with wide frequency response, accurate transient reproduction, clear imaging and high power handling capability. Alesis' exclusive SuperPort™ technology and proprietary 6.5" mineral-filled low frequency driver give Monitor One solid high-power bass transients and low frequency response that outperforms comparable near-field monitors. Its 1" silk-dome high frequency driver adds accurate high-end to the system.

Monitor Two™ offers the same accurate tonal balance and imaging of the Monitor One but with a 10" three-way speaker design, producing a larger sound field, extra deep bass and exceptional mid-frequency detail.

Point Seven are two-way speakers with a 5" woofer and 1" dome tweeter. Magnetic shielding makes them perfect for use with computer-based workstations, video editing suites, MIDI studios, or any facility using video monitors. Additional features include front ported venting system for tight bass response and high power handling capability.

MONITOR1	Mfr. List $399.00/pair	Call For BSW Price
MONITOR2	Mfr. List $699.00/pair	Call For BSW Price
POINTSEVEN	Mfr. List $299.00/pair	Call For BSW Price

Available In North America Only

M1 ACTIVE - Powered Monitor Speakers

The Alesis M1 ACTIVE's internal active crossover and custom-designed dual amplifiers ensure a broad, extremely accurate frequency response, clear imaging with a wide sweet spot and high power handling. Its 6.5" woofer cone is formulated with a high tensile strength, non-woven carbon fiber for quicker transient response in the low frequency range and a vast improvement in the detail of critical upper-mid frequencies. The M1 also features a 1" pure silk tweeter. The amplifiers (a 75-watt woofer amp and 25-watt tweeter amp) along with 8th order high and low-pass electronic crossover filters provide superb audio reproduction.

M1	Mfr. List $649.00/pair	Call For BSW Prices

Available in North America only.

AUDIX

PH5VS PH150

PH5VS/PH150 - Powered Monitor Speakers

Audix has combined great sound quality and very competitive pricing in these compact powered monitor sets (one speaker holds the amplifier, the other is a satellite speaker). The PH5VS features a 5 1/4" woofer and 3/4" tweeter driven by a 25-watt-per-channel internal amplifier. It is housed in a durable, high impact plastic cabinet with a wire mesh speaker grill, making it ideal as a portable set of monitors. Inputs to the amplifier are RCA unbalanced. The speaker pair is connected via a standard speaker cable with 1/4" connectors (included).

The PH150 is housed in a dense particle-board cabinet with front porting. It features a 3/4" polycarbonate-dome, ferrofluid tweeter and a 5 1/4" long-excursion, rubber surround woofer powered by an internal 45-watt-per-channel amp. High-quality crossovers ensure superb definition and clarity. PH150s provide a great sounding, inexpensive and space-saving solution for monitoring in small production rooms. Amplifier inputs are balanced (floating ground) via RCA connectors. 1/4" speaker connection cable is supplied.

Both models come with shielded cabinets for use near magnetically sensitive computer components.

PH5VS	Mfr. List $299.00/pair	Call For BSW Price
PH150	Mfr. List $479.00/pair	Call For BSW Price

ELECTRO-VOICE

S-40B S-60B

S SERIES - Compact Monitor Speakers

The Electro-Voice S-40 is a high-performance 2-way personal sized monitor housed in a high-impact polystyrene enclosure. It features exceptional bass response for its size, smooth, extended top end and independent protection for the woofer and tweeter. Long-term power handling is rated at 160 watts. Optional mounting hardware allows stand mounting or wall and surface placement. Available in black or white.

The S-60 is a compact, two-way constant directivity speaker system designed for sound reinforcement and monitoring. Its small size, high sensitivity and high power-handling capability make it an excellent all-purpose speaker. The S-60 features a 6" woofer and a 1.25" tweeter with a dispersion-controlling beveled opening. It also provides automatic resetting tweeter protection and flexible mounting options.

S40B	black	Mfr. List $398.00/pair	Call For BSW Prices
*S60B	black	Mfr. List $300.00 ea.	Call For BSW Prices

NEW FROM EVENT!

PS Project Studio

Biamplified Direct Field Monitor Systems

EVENT ELECTRONICS

It's about confidence. Confidence that your monitoring system is accurate. Confidence that what you're hearing from your speakers isn't being colored. Confidence that your mixes will sound the way you meant them to sound when they get played in the car, or in your living room—or in the office of a record company executive.

The new Project Studio monitors inspire that confidence, giving you the same precise, accurate sound as their respected forebears, our award-winning 20/20 series. So when you hear the vocal sounding sweet and in balance with the music, you'll know that it truly is sweet and balanced.

We accomplish this through the use of custom driver components, as well as amplifiers and electronic crossovers designed specially for those components. That's right, amplifiers—one for the woofer and one for the tweeter. Giving each driver its own amplifier means the amps can be far more efficient, since each one is dedicated to a specific frequency range. The result: Increased dynamic range. Higher SPL. Greater transient response. Improved damping. Smoother phase response. Lower intermodulation distortion.

Oh, yes, and great sound.

The result: Confidence that what you hear is what you get. No fooling with EQ to compensate for a speaker's deficiencies. No wondering if you have too little or too much bass. Just knowing that what you hear is real; that a mix done on a Project Studio monitor will translate accurately to other playback systems.

Mixes You Can Trust.

Pictured front to back: PS5, PS6, PS8

EVENT ELECTRONICS Post Office Box 4189, Santa Barbara, CA 93140-4189 contact: BSW at 800/426-8434

ELECTRO-VOICE

SX300 SX500 SX80

SX80/SX100+/SX300/SX500+ - Loudspeakers

The SX300 is a two-way, high efficiency portable speaker system with 300-watt long term power handling capability, utilizing a 12" low frequency driver and a molded-in constant-directivity horn . It's lightweight (39 lbs.) and made of very durable polypropylene structural foam with molded-in handles and attachment points for secure mounting and suspending. It can be easily fitted with a tripod stand and makes an excellent loudspeaker for remote work. SX300a is a powered version with an integral 300 watt power amplifier and a net weight of only 47 lbs.

The SX500 has a larger 15" woofer and handles 400 watts of power.

The SX100+ (12") and SX80 (8") are lighter weight, lower output models.

The SB121 and SB180 add woofer systems for powerful concert bass.

SX80	175 watt speaker	Mfr. List $318.00 ea.
SX100PLUS	175 watt speaker	Mfr. List $518.00 ea.
SX300	300 watt speaker	Mfr. List $810.00 ea.
*SX300A	300 watt amplified speaker	Mfr. List $1,350.00 ea.
*SX500+	400 watt speaker	Mfr. List $998.00 ea.
*SB121	12" 300 watt bass module	Mfr. List $398.00 ea.
*SB180	18" 600 watt bass module	Mfr. List $1,318.00 ea.

Call For BSW Prices

SENTRY 100A - Monitor Speakers

Having limited monitor space doesn't mean you have to compromise on sonic accuracy. The Sentry 100A is a compact, no frills speaker system. It's the oldest member of the Sentry family and has become the industry standard of reliability. The Sentry 100A delivers a flat 45 to 18,000 Hz frequency response with a wide 120° dispersion at 5,000 Hz. The Super Dome™ tweeter handles a remarkable 25 watts of input power and is matched with an 8" direct radiator woofer in an optimally vented enclosure.

The Sentry 100EL combines the reproduction components of the Sentry 100A with an integral high performance 50 watt power amplifier that's perfectly matched to the requirements of the speaker system.

SENTRY100A	Mfr. List $582.00 ea.	Call For BSW Price
SENTRY100EL	Mfr. List $1,120.00 ea.	Call For BSW Price

EVENT

20/20 - Monitor Speakers

Searching for accurate studio monitors? Don't spend a small fortune. Designed by industry veterans Frank Kelly and Walter Dick, the Event 20/20, 20/20p and 20/20bas speaker systems offer reliable, flat monitoring that's very affordable.

The 20/20 is a passive speaker with the following features: a 25mm silk-dome tweeter with aluminum voice coil support and ferrofluid cooling that doesn't cause ear fatigue over long listening periods; 8" mineral impregnated precision polypropylene woofer with highly damped rubber surround for consistent and smooth extended range frequency response without the need for added EQ; a very solid laminated MDF cabinet with extra acoustical damping to reduce standing waves; a front mounted, large diameter bass port; 2nd order passive crossover.

The 20/20p amplified speakers feature two 100-watt amplifiers housed within one speaker (one drives the powered cabinet, the other the satellite monitor). This affordable set includes one master unit and one standard 20/20 satellite.

The powered 20/20bas includes the components of the 20/20 with the following additions: an active asymmetrical 4th order crossover; a 130-watt amplifier designed specifically for and directly connected to the woofer; a 70-watt amplifier designed specifically for and directly connected to the tweeter; front panel power on/clip LED; a combination 1/4"/XLR input with level adjustment; precision HF and LF adjustments; power cord.

20/20	passive speakers	Mfr. List $399.00/pair
20/20P	passive speakers	Mfr. List $699.00/pair
20/20BAS	biamplified speakers	Mfr. List $999.00/pair

Call For BSW Prices

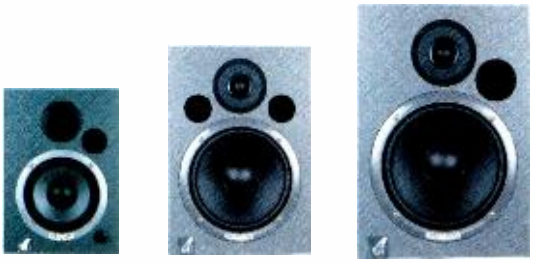
TRIA - Powered Monitor Speakers

This monitoring system perfectly complements any digital audio workstation environment. The Tria three-piece monitoring system comprises a floor-loaded 8" mineral-filled polypropylene cone VLF (very low frequency) driver housed with five separate power amplifiers (80 watts each woofer, 40 watts each tweeter), active crossovers, and a full set of calibrated trim and level controls. These amplifiers power the two biamplified satellite speakers, each with a 5-1/4" polypropylene cone driver and 1" natural silk dome neodymium driver. **Features:** magnetically shielded; small footprint; reference-quality frequency response (down to 55 Hz for the satellite speakers, down to 35 Hz for the VLF driver), very low listener fatigue.

*TRIA	Mfr. List $999.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

EVENT



PS5 PS6 PS8

PS5/PS6/PS8 - Powered Monitor Speakers

The Event Project Studio series (PS5, PS6 and PS8) biamplified monitors inspire delivering detailed and accurate sound, just like its respected forebears, the award-winning 20/20. Choose from three sizes, each which deliver non-fatiguing, wide-range reference monitoring and fit easily in any studio environment. **Features:** magnetically shielded; 70-watt LF amplification; 30-watt HF amplification; front ported design; balanced XLR and 1/4" inputs.

PS5	5.25", 2-way	Mfr. List $599.00/pair	Call For BSW Price
PS6E	6.5" 2-way	Mfr. List $699.00/pair	Call For BSW Price
PS8	8", 2-way	Mfr. List $849.00/pair	Call For BSW Price

FOSTEX

6301BEAV - Amplified Speaker

The perfect personal powered monitor system anyone can afford. 6301BEAV monitors from Fostex feature built-in 10-watt amplifiers, are shielded to protect nearby computer monitors and offer balanced XLR inputs. 6301BDUALRAC (not pictured) is an optional dual rack kit from Middle Atlantic that fits two 6301s horizontally in three rack spaces.

6301BEAV	balanced, shielded	Mfr. List $229.00 ea.
6301BDUALRAC	dual rack kit	Mfr. List $98.00

Call For BSW Prices

GENELEC

1029A - Monitor Speakers

Perfect for near-field monitoring, the 1029As will activate your space with precise imaging and dynamics. Their full-featured design makes them well suited for any control room, and their small size fits easily anywhere. Left and right monitors have 5" bass drivers and 3/4" treble drivers. An optional 1091A subwoofer adds more complete low frequency information. **Features:** independent 40 watt amplification for the bass and treble magnetically shielded; reference-quality frequency response (down to 55 Hz); bass roll-off controls; small footprint; XLR and 1/4" input jacks.

1029A		Mfr. List $540.00 ea.	Call For BSW Price
***1091A**	subwoofer	Mfr. List $699.00	Call For BSW Price

JBL

4206 4208

4206/4208 SERIES - Monitor Speakers

This radical speaker design was developed for near-field monitoring with maximum stereo imaging and reduced listener fatigue. High frequency and low frequency drivers are offset and aimed to deliver both HF and LF information to the listening position at precisely the same instant. All models feature a charcoal laminate finish. The model 4206 features a 6" LF Driver and 1" pure titanium dome tweeter. The 4208 offers an 8" LF Driver and 1" pure titanium dome tweeter.

4206	Mfr. List $388.00/pair	Call For BSW Prices
4208	Mfr. List $510.00/pair	Call For BSW Prices

LSR28P

LSR32

LSR25P

LSR SERIES - Monitor Speakers

The Linear Spatial Reference (LSR) studio monitors combine JBL's latest in transducer and system technology with recent breakthroughs in psychoacoustic research to provide a more perfect studio reference. Choose from the active LSR25P and LSR28P or passive LSR32. **Features:** Differential Drive® technology with dynamic braking for extended low frequency response and low power compression; titanium composite high frequency device with elliptical oblate spheroidal waveguide and damped pole piece; carbon fiber composite baffle for low cabinet resonance and stable inertial ground.

LSR25P are biamplified two-way monitors with a 5.25" low frequency transducer and 1" high frequency titanium transducer. Amplifiers supply 80 watts to the woofer and 40 watts to the tweeter.

LSR28P are biamplified 8" monitors (1" tweeter). Amplification is greater than the LSR25P (200 watts for the LF/100 watts for the HF).

LSR32 are 3-way passive monitors featuring a 12" woofer, 2" midrange and 1" tweeter to provide the greatest audio range and accuracy.

LSR25P	Mfr. List $479.00 ea.	Call For BSW Price
LSR28P	Mfr. List $1,099.00 ea.	Call For BSW Price
LSR32L, LSR32R	Mfr. List $1,099.00 ea.	Call For BSW Price

* Non-inventory item subject to return restrictions.

JBL

4400A SERIES - Monitor Speakers

JBL's 4400A series studio monitors have become one of the most frequently asked-for speakers in the broadcast industry. Included in the series are the 4408A (8", 2-way), 4410A (10", 3-way) and the 4412A (12", 3-way). JBL has upgraded all major components and circuitry for even smoother, more accurate audio monitoring. They've also given the 4400As an improved look with matte grey laminate finish and charcoal grille cloth.

4408A	(order left and right for matched pair)	Mfr. List $355.00 ea.
4410A	(order left and right for matched pair)	Mfr. List $490.00 ea.
4412A	(order left and right for matched pair)	Mfr. List $735.00 ea.
		Call For BSW Prices

POWER10

POWER1S

1SPAC

EON POWER SERIES - Portable Speakers

EON POWER 15 Features: controlled directivity HF horn with a 1 3/4" compression driver; 15" LF transducer; rugged molded plastic enclosure with tuned ports; bi-amplification with built-in crossover (130 watts for LF section and 50 watts for the HF section); power LED; carrying handles; balanced XLR mic/line level input and parallel output. Weight: 49 lbs.

EON POWER 10 Features: 90°x60° controlled directivity HF horn with a 1" compression driver; 10" LF transducer; rugged molded plastic enclosure with tuned ports; bi-amplification with built-in crossover (60 watts for LF section and 25 watts for the HF section); power LED; carrying handles; balanced XLR mic/line level input and parallel output. Weight: 27 lbs.

The **EON 15PAC** is a mini PA system in a single unit. It's identical to the Power15, but includes 3 inputs with individual level controls (one XLR mic/line and two 1/4" line) enabling the connection and control of multiple sources without the need for an external mixer. The EON 15PAC features a 4-band equalizer for custom tailoring of your sound.

*EONPOWER15	powered speaker	Mfr. List $816.00 ea.
*EONPOWER10	powered speaker	Mfr. List $653.00 ea.
*EON15PAC	powered speaker/mixer	Mfr. List $899.00 ea.
		Call For BSW Prices

JBL

CONTROL 1

CONTROL 5

CONTROL SERIES - Monitor Speakers

These speakers not only sound great, they combine rugged construction with a variety of mounting options for maximum flexibility. Control 1 is a two-way system with a 5 1/4" low frequency speaker and a polycarbonate dome tweeter. Frequency response is 70 Hz - 20 kHz. Control 5 features a 6 1/2" woofer and larger cabinet for extended bass response.

CONTROL 1	Mfr. List $308.00/pair	Call For BSW Prices
CONTROL 5	Mfr. List $528.00/pair	Call For BSW Prices

MACKIE

SRM450/C300 - Monitor Speakers

SRM450's are powerful PA speakers accurate enough to be called monitors. Active sound reinforcement brings truckloads of power to any event, yet offers the listening criteria reserved for high-end studio monitors in an live sound environment. **Features:** 2-way design (12" LF, 1.75" HF); bi-amplification (300 watts/150 watts); built-in precision 24 dB/oct electronic crossover; dispersion horn design; high SPL output/extremely low distortion; electronic time correction, phase alignment and equalization.

C300 are passive monitors with 300-watt power handling capability.

SRM450	Mfr. List $899.00 ea.	Call For BSW Price
*C300	Mfr. List $499.00 ea.	Call For BSW Price

HR824 - Monitor Speakers

Mackie's high-performance HR824 monitors offer superb audio precision. The stereo sound field is wide, deep and incredibly detailed. High frequencies and low frequencies are clean and articulated. The speakers are perfectly matched by an engineer using an oscilloscope and yes, the frequency response is extremely flat (±1.5 dB from 39 Hz to 22.5 kHz). **Features:** 2-way design (8.75" LF, 1" HF); bi-amplification (150 watts/100 watts); no porting; low-frequency roll-off switch; acoustic space switch; highest quality components throughout; balanced XLR and 1/4" inputs.

HR824	Mfr. List $749.00 ea.	Call For BSW Price

* Non-inventory item subject to return restrictions.

TANNOY

REVEAL ACTIVE - Powered Monitor Speakers

The Reveal system combines proven quality monitors with twin 50 watt amplifiers and fully optimized electronic crossover in a single compact package. **Features:** long throw 6.5" low frequency driver; 1" soft dome high frequency unit; wide, flat frequency response; 100 watt total amplifier power (50 watts per driver); magnetically shielded for use close to video monitors; balanced XLR and unbalanced RCA inputs.

REVEALACTIVE	Mfr. List $899.00/pair	Call For BSW Price

YAMAHA

NS-10MS - Monitor Speakers

The NS-10MS studio speaker system has been created specifically for close-field monitoring in professional sound studios. Optimum woofer/tweeter matching and careful crossover design ensure smooth, natural transition between frequency ranges with minimum phase variation. Frequency response is remarkably flat from 60 Hz right up to 20 kHz, and superior transient response delivers crisp, transparent sound.

NS10MS	Mfr. List $478.00/pair	Call For BSW Price

MSP5/MSP10/SW10 - Monitor Speakers

The Yamaha MSP5 biamplified monitors deliver extraordinary sound quality at an equally extraordinary price. **Features:** flat frequency response out to 40 kHz; 5" woofer and 1" titanium tweeter; biamplification (40 watts to the woofer, 27 watts to the tweeter); ultra-compact enclosures which allow easy placement; small face print making them very accurate for "point source" listening; quick and easy hookup with both XLR and 1/4" inputs; magnetic shielding.

MSP10s are a larger 2-way design (8" LF, 1" HF) with greater amplification (120 watts/60 watts).

The SW10 powered subwoofer uses a 10" low frequency driver and 180 watts amplifier to deliver smooth, accurate low frequency information.

MSP5	Mfr. List $299.00 ea.	Call For BSW Price
MSP10	Mfr. List $749.00 ea.	Call For BSW Price
SW10	Mfr. List $849.00 ea.	Call For BSW Price

YAMAHA

MS60S - Powered Monitor Speakers

The Yamaha MS60S powered speaker system is perfect for remotes. Ultra-compact speakers weigh only 22 lbs. and include a built-in 60 watt amp as well as a 3 input mixer (1-mic, 2-line) with tone control. Includes carrying handle and screw holes for an optional tripod mounting bracket.

*MS60S	Mfr. List $599.00 ea.	Call For BSW Price

ATLAS/SOUNDOLIER

MXVA SERIES - Monitor Panels

Atlas-Soundolier's single rack space MXVA monitor panels are active devices for aural and visual monitoring of eight or sixteen different speaker and line level circuits in any combination. Each input is individually selectable using an easy-to-position jumper. MXVA's offer easy visual assessment using twelve-segment LED bar graphs that provide 33 dB of resolution and monitor any combination of line level (1V reference) – 25 Vrms, 70 Vrms and 100 Vrms simultaneously. The bottom ten LEDs are green and have a VU ballistics response. The two red LEDs at the top of the bar graph are peak to provide instantaneous level indication. LED meter sensitivity is -30 dB to +30 dB. Units offer the capability to aurally monitor individual channels via an internal speaker, headphone jack, line level output or output to an external speaker. Panel functions include a channel selection knob, channel audible monitoring level control and headphone jacks.

*MXVA-2008	Mfr. List $1,358.33	Call For BSW Price
*MXVA-2016	Mfr. List $1,661.11	Call For BSW Price

WOHLER

ATSC/DVB SERIES - Amplified Speakers

Wohler Technologies offers accurate, self powered monitoring systems in compact rack mount units. These speakers provide excellent magnetic shielding with optimally focused, high fidelity sound for operators in an "ultra near field" working environment.

AMP-1A (shown top) is a basic self-powered speaker system with three power amps, five speakers, and balanced and unbalanced inputs. AMP-2 (not shown) offers wider frequency response in a 2RU enclosure.

ATSC-series (shown bottom) are powered stereo speakers designed specifically for flexible monitoring of the 6 audio channels of ATSC/DVB programming. **Features:** choose from 6 channel analog, 3 channel AES or encoded ATSC/MPEG-2 input versions; simultaneous visual monitoring of all 6 channels; left/right and front/surround "phase" indicators.

***Price Based On Configuration**

* Non-inventory item subject to return restrictions.

OMNIMOUNT

Speaker Mounting Brackets

Installing speakers is no easy task – unless you use Omnimount speaker brackets. Only Omnimount offers models that allow you to mount speakers from assorted angles and locations. Weight handling ranges from 1 to 255 lbs. Call BSW with your requirements and we will suggest the proper Omnimount for you.

*Price Based On Configuration

PIVOTELLI

Speaker Mounting Brackets

Pivotelli supports are made from the finest solid premium grade steel which is contoured at all edges and joints and coated with durable nylon finish for maximum protection. Tightly clamping grips mean you never have to drill holes in speakers or other equipment. Pivotelli supports come in a wide range of styles from simple single pivot to complex multiple pivot systems. They can accommodate cabinet sizes from 7-1/2" to 47" and weights up to 176 lbs. safely and securely.

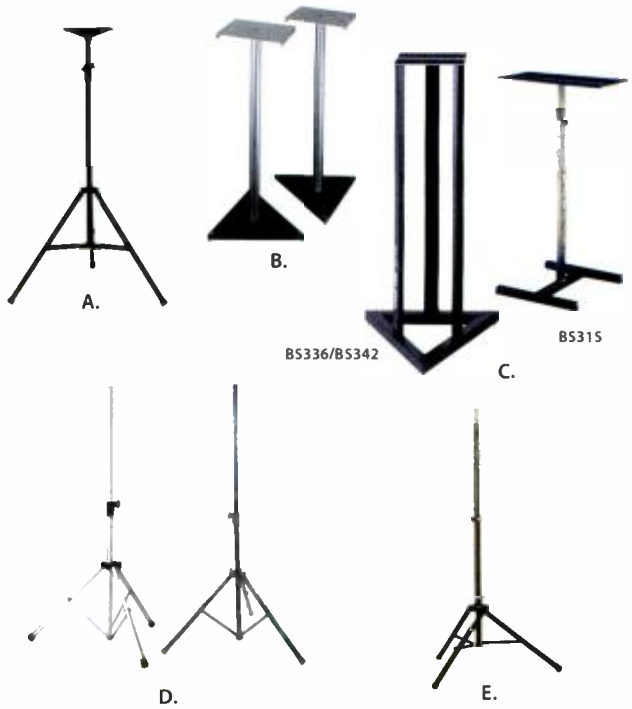
*Call BSW With Your Requirements

QUIKLOK

QL60 - Speaker Mounting Bracket

Here's an economical, yet reliable way to mount speakers to the wall for permanent applications. The QL/60 offers adjustable support for speakers weighing up to 60 lbs. Unit can be mounted for right/left or up/down pivoting.

QL60	Mfr. List $59.95 ea.	Call For BSW Price



A. ATLAS/SOUNDOLIER SS33E - Speaker Tripod

Heavy duty aluminum speaker stand supports up to 150 lbs. Height adjusts from 48" to 85". Several mount adapters available.

SS33E	Mfr. List $184.53	Call For BSW Price

B. MIDDLE ATLANTIC SPK36/SPK42 - Speaker Tripod

High-tech-looking stands have a 30 lb. base for extra stability. Fine adjustments can be made for leveling any flat surface. Choose from two height levels (36 and 42 inches).

SPK36	Mfr. List $244.50/pair	Call For BSW Price
SPK42	Mfr. List $266.75/pair	Call For BSW Price

C. QUIKLOK BS336/BS342/BS315 - Speaker Stands

BS336 and BS342 are sturdy steel monitor stands (triangle base) at fixed heights of 36" and 42". Large, sturdy metal shelf comes with soft rubber ized padding to reduce vibration. BS315 is a variable height monitor support (31.5" to 49.25").

BS336	Mfr. List $149.95/pair	Call For BSW Price
BS342	Mfr. List $159.95/pair	Call For BSW Price
BS315	Mfr. List $179.95/pair	Call For BSW Price

D. QUIKLOK SP180 - Speaker Tripods

The SP180 tripod is a lightweight, yet sturdy aluminum stand for support of speakers up to 200 lbs (extends from 3' 6"-6' 4"). Superior air-cushion design and 1-3/8" center tube gently and safely lowers speaker cabinets, eliminating sudden drops.

SP180BK black	Mfr. List $119.95	Call For BSW Price
SP180SR silver	Mfr. List $109.95	Call For BSW Price

E. ULTIMATE SUPPORT TS80/TS88 - Speaker Tripods

These sturdy, lightweight aluminum stands can support speakers up to 150 lbs. The TS80 adjusts in height from 3'8" to 6' 7"; the TS88 adjusts in height from 5'2" to 9'2". The TS-88TL features an extendable leg that allows two legs to sit on a raised surface such as a stage stair, while the extended leg reaches to the floor to hold it level and secure. Silver color. Black available at extra cost. Optional tote bags available.

TS80T	adjusts to maximum of 6'7"	Mfr. List $126.00
TS88T	adjusts to maximum of 9'2"	Mfr. List $148.00
TS88TL	TS88 with articulating leg	Mfr. List $184.00

Call For BSW Prices

* Non-inventory item subject to return restrictions.

Studio Solutions

by Middle Atlantic

Contact your BSW Sales Associate for more information.

Edit CENTER™

The all-new Edit Center line of professional studio furniture has been specifically designed for the rigorous demands of broadcast, video editing and post-production environments.

Featuring two choices of high-pressure laminate desktops, the Edit Center System can be quickly arranged to suit any user's preference by simply rotating the unique Side Bay Racks to the desired angle. Desks are available in two widths: 60" and 84", and in your choice of two styles of attached overbridge (with two under-bridge rackbays, or with an under-bridge open span), and feature rotating speaker monitor platforms as standard equipment.

MultiDesk System 2

The all-new MultiDesk System 2 studio furniture line is equally suited for the professional radio broadcast, audio recording, or video production studio. The modular MultiDesk System 2 is an excellent economical alternative to custom studio furniture.

Acoustical Panels

Our new wall panels provide effective acoustical treatment for problem rooms. Panels are faced with 100% polyester fabric, which will not rip, tear, or crack like foam products, and feature resin-hardened edges which are beveled for aesthetics. Offered in 4 sizes and two attractive colors, all 2" thick.

Middle Atlantic Products, Inc.

ARRAKIS

Short 'L'

MODULUX FLEX-STUDIO - Studio Furniture

The new Flex-Studio is a complete, modular furniture package that can be assembled in dozens of different ways to meet nearly any studio design. It can be assembled left or right-handed as well as in all of our standard configurations: 'Short L', 'Long L', and 'Unbalanced U'. All pedestal returns have front equipment racks and rear access doors. The table pedestals have both inside and outside access doors. The tabletop equipment pod provides rack mount space for tabletop equipment. A 60-inch interview table is standard and designed to be placed on any 60+ inch outer edge of the studio. The console table is 36 inches deep and 45 inches wide to accommodate most consoles. A 37 inch width, console spanning, copy stand completes the package.

Modulux is a top selling studio furniture system with nearly 2000 studios sold worldwide. As a standard Modulux product, the new Flex-Studio features solid oak trim, high pressure laminate table surfaces, complete laminate finish inside and out, ease of assembly and fast delivery from factory stock.

Standard colors are medium gray tabletops, beige side panels and red oak trim (custom configured Modulux furniture packages are also available).

***MOD-FLEX-1** **Mfr. List $4,995.00** **Call For BSW Price**

***Call BSW For Pricing And Configuration**

DESK*STAR FURNITURE

Desk*Star furniture is specifically engineered for digital audio radio studios. The line is specially designed for compact consoles, interview areas, video monitors, kneewells and keyboards.

Desk*Star is a modular approach to studio layout with 5 basic building blocks: (1) an "L" shaped console table; (2) a 42" high sloped equipment rack; (3) a 45 degree joining table; (4) a double pedestal cabinet; and (5) a 14" tabletop equipment rack pod. These components can be purchased and arranged in any desirable layout.

Wilson Art-brand tabletop laminates and solid oak trim are combined for quality furniture that is attractive and durable, yet inexpensive. And best of all Desk*Star is easy to assemble. Several pods and convenience accessories are also available.

***DSWRKREC**	36" X 96" workstation	**Mfr. List $995.00**
***DSCONR**	workstation, right	**Mfr. List $995.00**
***DSCONL**	workstation, left	**Mfr. List $995.00**
***DS42SLP**	sloped rack	**Mfr. List $375.00**
***DS45JN**	45 degree joining table	**Mfr. List $249.00**
***DSDP**	double pedestal cabinet	**Mfr. List $895.00**
***DSSP**	single pedestal cabinet	**Mfr. List $495.00**

Call For BSW Prices

ARRAKIS

RADIUS LINE - Studio Furniture

The Arrakis Radius line of furniture is designed specifically for the very best major market installations. Radius table surfaces and end panels, extra large and deep pedestals and tabletops combined with designer styling create a uniquely beautiful and ergonomic studio. The heavy aluminum post and panel construction assures much tighter tolerance manufacturing than custom wood cabinets, while at the same time providing greater strength. Metal edging for the racks eliminates laminate splitting. Rugged, durable, easily customized and uniquely attractive, Radius is ideal furniture system for your next showcase studio.

***Call BSW For Pricing And Configuration**

MIDDLE ATLANTIC

EDIT CENTER - Studio Furniture

Middle Atlantic's Edit Center studio furniture has been specifically designed for the rigorous demands of audio and video editing and post-production environments. Featuring two choices of high-pressure laminate desktops (cherry or graphite), the Edit Center system can be quickly arranged by simply rotating the unique side bay racks to the desired angle. Desks are available in two widths (60" and 84") and are designed with overbridges that fit multiple monitors at easy viewing angles. Each system comes complete with your choice of two styles of attached overbridge (with two under-bridge rackbays or with an under-bridge open span), and features rotating speaker monitor platforms as standard equipment.

Side bay racks are available with plexiglass front doors and gasketed rear doors with ultra-low-noise cooling fans. All Edit Center desks feature cable feed-through holes and a cable manager that accommodates Middle Atlantic power strips. Heavy-duty legs support the desk and all of your production equipment. Call BSW today to upgrade your studio with some of the most ingenious and beautiful furniture in the industry.

***Call BSW For Pricing And Configuration**

MIDDLE ATLANTIC

MULTIDESK SYSTEM2 - Studio Furniture

MultiDesk™ System2 from Middle Atlantic gives you the flexibility to create the ideal workstation from only six interchangeable components. The all-new System 2 studio furniture line is equally suited for the recording or on-air studio. Any system component may be connected with any other, allowing you to set up your furniture for the way you work. The lower 26.5" desktop height is ideal for studio production and the attractive gray-speckled, pressure-laminated top resists damage and is supported by heavy-duty 2" steel tube legs for stability. Call BSW today to select the right components for your work space.

*MD2CNR1	corner with flat overbridge	Mfr. List $722.25
*MD2CNR3	corner with raised overbridge	Mfr. List $800.00
*MD2DSK	straight desk	Mfr. List $489.00
*MD2R12	side rack	Mfr. List $244.50
*MD2OB6	overbridge for R12	Mfr. List $144.50
*MD2W	connecting wedge	Mfr. List $106.75

Call For BSW Prices

MURPHY FURNITURE

Studio Furniture

Whether you choose the economy priced Murphy Furniture Classic series, the contemporary Stealth series, or one of several other stylish designs, you can be assured of getting the finest quality furniture that offers both beauty and functionality. Standard features on all Murphy Furniture include oak trim on all exposed edges, a bumper base covered with a non-chip material, plexiglass panels over racks near operators' feet and sloped faces on all returns. Wire management and passive ventilation systems have also been incorporated into the designs. Murphy's concept is modular construction with custom fit. The flexibility of these furniture systems will address all your needs. Delivery is typically 2-4 weeks depending on the customization required. We ship RTA (Ready to Assemble) via van line carriers. Customization of any system component is available.

*Call BSW For Pricing And Configuration

NIGEL B.

Studio Furniture

Nigel B. furniture is designed with a building block approach to allow for personalized configurations at a fraction of the cost of custom-built systems. These components are of highest quality and are guaranteed for life. Systems range from elaborate work systems to simple edit/dub stations, with an infinite number of combinations in between.

Each component is made with superior grade cold rolled steel, finished with scratch resistant, oven-baked enamel. Desktops are high-quality laminates with rolled edges for comfort and safety.

Forget about waiting weeks for your furniture. Most Nigel B. items are in stock and will ship from the factory within a few days upon receipt of order from BSW. Their pack-flat approach means lower shipping costs and many items can ship UPS.

Shown above is a "stand up" high Junior Workstation with monitor overbridge, speaker brackets, microphone arm bracket and computer keyboard bracket. Most Nigel B. furniture can be ordered as "stand up" 36" high, or with standard 28" high desks.

*Call BSW for Pricing and Configuration

OMNIRAX

MIXSTATION/O2R - Studio Workstation

This unique, ergonomic and highly intuitive workstation was designed for the Yamaha O2R digital mixer and associated peripherals. The center mixer section features a padded wrist rest and ample room for the mixer meter bridge. The left and right table sections feature gentle sloping tops with 5 rack spaces (open at the back) that are perfect for patchbays or outboard effects. Above are 6 vertical spaces for recorders, and there are 10-space racks on the right and left below the table for additional gear. Additional features include cable grommets, hidden castors and an optional adjustable keyboard shelf.

*MIXSTATIONO2R Mfr. List $1,199.95 Call For BSW Price

* Non-inventory item subject to return restrictions.

ATLAS/SOUNDOLIER

100 SERIES - Equipment Racks

100 series rack cabinets from Atlas/Soundolier are cost effective and come in pre-welded and knocked down versions in a number of sizes and colors. Units come complete with base, top panel, vented side panels, vented rear door with lock, one pair of fixed rails, mounting screws and hardware. Call BSW with the size and features of the rack you require for a proper price quotation.

***Pricing Based On Configuration**

900 SERIES - Equipment Racks

Ship your equipment rack by UPS...No problem. The 900 series racks are easy to assemble in stackable frames for the perfect rack in minutes. Strong, durable frames are available in two sizes and all necessary hardware is furnished.

***900-19**	19" high	**Mfr. List $214.55**	**Call For BSW Price**
***900-28**	28" high	**Mfr. List $237.88**	**Call For BSW Price**

MIDDLE ATLANTIC

WRS SERIES - Wall Mount Equipment Racks

The WRS series low-profile wall rack allows mounting of equipment in a vertical "knobs up" fashion for space efficiency and aesthetics. With adjustable rack rail providing 20" to 23" of usable rack depth, the innovative WRS design includes a backpan, body and solid hinged top cover to protect the equipment. Three sizes are available and each hold 150 lbs.

***WRS4**	4 space	**Mfr. List $311.25**	**Call For BSW Price**
***WRS6**	6 space	**Mfr. List $333.50**	**Call For BSW Price**
***WRS8**	8 space	**Mfr. List $355.75**	**Call For BSW Price**

MIDDLE ATLANTIC

Slim S

AX-S System

PTRK Series

Equipment Racks

From the low cost ERK series, to the hefty MRK and WRK series, to the flexible Slim 5 and rolling PTRK series, Middle Atlantic has an equipment rack to meet every application. Quality materials, state-of-the-art manufacturing techniques and well-thought-out design make these racks a tremendous value, providing years of service.

Shown above is a Slim 5 rack with optional wood side panels and AX-S system that allows unrestricted rear access to equipment and cabling for in-wall or snug-to-the wall placement of your racks. Also shown is the PTRK, a rolling rack system with keylocked front and rear doors.

***Pricing Based On Configuration**

RK SERIES/SRK - Equipment Racks

These high-quality, inexpensive equipment racks ship flat for easy storage and assemble quickly with the included allen key. Racks are constructed of 5/8" thick, high-density particle board covered with black laminate. Snap-on decorative screw caps are included. Rack rails are 1/8" thick black baked enamel steel, tapped full-hole spacing to fit all equipment. Rear rack rail option available. 15 7/8" deep. The SRK is a sloped top version with 16 vertical rack spaces and 12 sloped spaces on top.

The popular RK and SRK series racks are also available with beautiful real oak laminate construction at minimal additional cost.

RK-4	7" (4 space)	**Mfr. List $102.25**
RK8	14" (8 space)	**Mfr. List $126.75**
RK12	21" (12 space)	**Mfr. List $133.50**
RK16	28" (16 space)	**Mfr. List $144.50**
RK20	35" (20 space)	**Mfr. List $160.00**
***SRK**	28" (16 space)/ 21" (12 space)	**Mfr. List $311.25**

Call For BSW Prices

* Non-inventory item subject to return restrictions.

MIDDLE ATLANTIC

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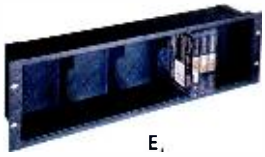
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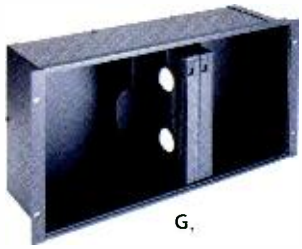
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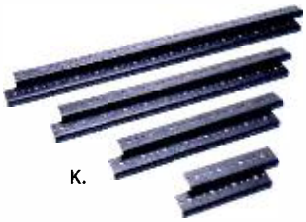
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A. U2 - Rack Shelf

2-space utility shelf holds equipment up to 17 3/8" wide.

U2 Mfr. List $56.00 BSW Price $29.95

B. UTR1 - Universal Rack Shelf

Universal mounting hole pattern works with many 1/2 rack units.

UTR1 Mfr. List $28.50 Call For BSW Price

C. D3 - Deluxe Rack Drawer

Fully enclosed drawer with ball bearing slides is 14.5" deep. Also available in 2-, 4-, 5- and 8-space versions. Optional key lock.

D3 Mfr. List $162.25 Call For BSW Price

D. CD - Rack CD Storage

7" high (4-space unit) holds 40 CDs. Brushed, black anodized finish.

CDRACK Mfr. List $82.50 Call For BSW Price

E. CS - Rack Cassette Storage

5 1/4" (3-space unit) holds 33 cassettes. Brushed, black anodized finish.

CS Mfr. List $78.75 Call For BSW Price

F. DAT - Rack DAT Storage

5 1/4" (3-space unit) holds 27 DATs. Brushed, black anodized finish.

DAT Mfr. List $78.75 Call For BSW Price

G. VHS - Rack VHS Storage

8 3/4" (5-space unit) holds 14 VHS tapes. Brushed, black anodized finish.

VHS Mfr. List $100.00 Call For BSW Price

H. SECL-4 - Locking Security Covers

4RU key-locked, hinged security cover with lightly smoked plexiglass door. Also available in 2- and 8-space versions.

SECL4 Mfr. List $63.50 Call For BSW Price

I. EB SERIES - Blank Panels

Flanged blank panels in 16 gauge steel with black finish. Rack sizes from 2 to 6 spaces. Also available with textured finish (SB) or brushed, anodized aluminum (BL).

From $7.50 to $22 Mfr. List depending on length Call For BSW Price

J. EVT SERIES - Vent Panels

Flanged steel vent panels with black finish.

EVT1 Mfr. List $10.00 Call For BSW Price

EVT2 Mfr. List $13.25 Call For BSW Price

K. RR SERIES - Rack Rails

1/8" thick heavy-duty rack rails tapped 10/32 with rugged black powder coat finish. Rack sizes from 2 to 45 spaces.

From $7 to $68 Mfr. List depending on length Call For BSW Price

L. FP SERIES - Fan Panels

These fan panels, made from 16-gauge flanged aluminum, accept 4-1/2" fans. Panels are three rack spaces high and finished in textured black powdercoat (FP models) or black anodized finished (TFP models).

FP1	space for 1 fan	Mfr. List $38.50
FP-2	space for 2 fans	Mfr. List $40.75
FP-3	space for 3 fans	Mfr. List $43.00
TFP1	space for 1 fan	Mfr. List $31.00
TFP2	space for 2 fans	Mfr. List $33.25
TFP-3	space for 3 fans	Mfr. List $35.50

Call For BSW Prices

M. CLAW - Cable Hanger/Organizer

Easily organize and keep patch cords from getting tangled with the claw.

CLAW Mfr. List $14.00 Call For BSW Price

N. FAN - Rack Fan

115 volt fan features smooth, ball bearing design for quiet operation. 4 1/2" size fits FP1, FP2 and FP3 fan panels. Hardware and cord included.

FAN Mfr. List $53.50 Call For BSW Price

* Non-inventory item subject to return restrictions.

MIDDLE ATLANTIC

O.

P.

Q.

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T.

O. DR-12 - Desktop Rack

This desktop rack unit provides 12 rack spaces for equipment mounting. Racks can secure to desktop with wood screws.

DR12 Mfr. List $44.50 Call For BSW Price

P. HW-500 - Rack Screws

Contains 500 3/4" long screws with 10-32 threads. Pre-installed nylon cup washer speeds installation and provides a clean appearance.

HW500 Mfr. List $100.00 Call For BSW Price

Q. RC-3 - Clamping Rackshelf

For components that require scratch-free security, the RC-3 uses rubber-lined clamps. 3-space rack shelf; other rack sizes available.

*RC3 Mfr. List $69.00 Call For BSW Price

R. RM-CPU - Rack Mount Computer Chassis

Occupying 5 spaces, the RM-CPU features 16-gauge steel construction and 1/8" thick aluminum face. Holds your PC computer securely.

*RMCPU Mfr. List $655.50 Call For BSW Price

S. RM-MM - Computer Monitor Rack Mount

Equipped with a hinged front access door and plexiglass front panel, the 9-space computer monitor rack mount fits nearly any 14" monitor.

*RMMM Mfr. List $433.50 Call For BSW Price

T. RM-KB - Computer Keyboard Rack Mount

The one-space keyboard rack mount includes a high-quality standard AT-style 101-key keyboard.

*RMKB Mfr. List $433.34 Call For BSW Price

MIDDLE ATLANTIC

CUSTOM RACK MOUNTS - Equipment Racks

Middle Atlantic builds custom rack shelves and mounting units for thousands of professional audio components. The RSH custom rack mount system uses a standard 19" enclosure that holds virtually any component. Call with the dimensions of your non-rack-mount equipment and we will help you find the right solution.

Price Based Upon Configuration

NIGEL B.

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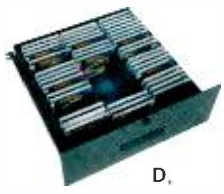

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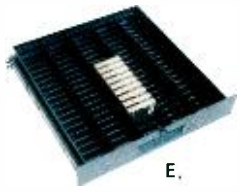


E.

A. ALDRS - Desktop Rack stand

This desktop stand features a 13RU (22.75") open frame with angle adjustment.

ALDRS Mfr. List $199.95 Call For BSW Price

B. RS - Roll-Around Recorder/Equipment Stand

This heavy-duty portable rack is ideal for any rackmount equipment such as mixers, processing gear or test equipment. **Features:** upper rack can tilt to desired angle and has 13 rack spaces; rack in the pedestal base has 7 spaces.

RS-STD Mfr. List $399.95 Call For BSW Price

C. 1015-STD - Mobile Rack Stand

Roll-around rack stand with adjustable top section. The 1015-STD features 10RU on the top frame with 15RU below.

*1015-STD Mfr. List $399.95 Call For BSW Price

D. 4CD - CD Drawer

A full 18" deep, this rack drawer features ball bearing sliders and holds 72 CDs in separate slots. Optional key lock.

4CD Mfr. List $189.95 Call For BSW Price

E. 2DATD - DAT Drawer

18" deep drawer holds 92 DAT tapes in separate slots. Ball bearing sliders; optional key lock.

2DATD Mfr. List $179.95 Call For BSW Price

* Non-inventory item subject to return restrictions.

PELICAN

Convertible Travel Bag fits inside a 1520 Hard Case. Sold separately.

PELICAN CASES - Hard Equipment Cases

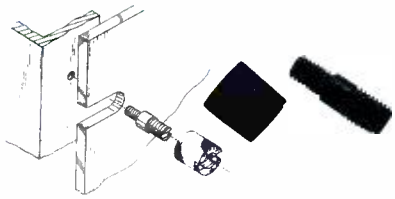
Constructed of lightweight space-age structural resin with neoprene O-ring seal and exclusive purge valve, Pelican hard cases are watertight (to 30 feet) and airtight for the ultimate in protection. **Features:** many sizes to choose from; complete with pick-n-pluck foam or padded dividers: multiple latches; unconditional lifetime guarantee.

The Pelican Convertible Travel Bag is designed to fit inside a 1520 Hard Case. The bag is constructed of heavy-duty waterproof padded nylon with multiple front and side gadget pockets. Size 15.5" x 12.5" x 6.25".

1520	Hard Case	Mfr. List $150.06
1527	Convertible Travel Bag	Mfr. List $110.26

Call For BSW Prices

RACK RELEASE SYSTEMS



QR - Quick Release Rack Screws

Once in place, these quick release rack fasteners allow you to mount and unmount rack equipment without a screwdriver. 4 to a package. Order plenty for your studio or remote gig.

QR	Mfr. List $5.95	Call For BSW Price

ROCK AND ROLLER

MULTI-CART - Hand Truck/Dolly

The Multi-Cart combines the space-saving advantages of a lightweight, foldable, luggage cart with the big load capacity of an industrial size four-wheel dolly that can hold up to 500 pounds of equipment. In the upright position, Multi-Cart is a heavy duty handtruck with long forks. Lying down, it's a four-wheel cart that expands in length from 34" to 52" long. Many accessories and smaller versions available.

RR-10	Mfr. List $195.95	Call For BSW Price

SKB

ROTO-RACK SERIES - Rack Cases

Roto-Racks are the newest line of racks from SKB that combine toughness with style and value. These rotationally molded racks have front rails, a removable front lid and rear access door. A durable exterior with large molded-in handles make them excellent for protecting all of your audio equipment. As always with SKB racks, they're designed to be stackable.

SKBRACK4	Mfr. List $99.95	Call For BSW Price
SKBRACK6	Mfr. List $119.95	Call For BSW Price
SKBRACK8	Mfr. List $139.95	Call For BSW Price

ATA SERIES - Rack Cases

These tough, lightweight 19" rack cases are made for punishing road and air travel with latched and gasketed front and rear covers to protect equipment from moisture and dirt. All cases are 14" deep and are available in sizes from 2 to 12 rack spaces. The ultra-tough polyethylene shell is half the weight of old-fashioned wood cases, yet offers maximum protection. ATA approved.

Mfr. List	From $174.95 to $319.95	Call For BSW Prices

DR. FERD

PSA - AC Transformer Extender

The PSA (AKA Dr. Ferd's Wart Remover) is an easy answer for those frustrating "wall wart" power supply transformers. The Wart Remover takes the bulky housing of the transformer away from the power strip.

PSA	Wart Remover	Mfr. List $8.95	Call For BSW Price

* Non-inventory item subject to return restrictions.

ETA

PD8L/PD8 - Power Conditioner/Light Module

ETA Systems offer protection against incoming power spikes, noise filtration and surge protection in a 19" rack-mount package. The PD8 features 15 AMP, 1800 watt output with 8 protected U-ground power outlets located on the back panel. It's rated to protect up to a 6000 volt surge. Front panel LED indicator noting "Go" or "No Go" status. Model PD8L features front panel lights to illuminate your rack.

PD8L	Mfr. List $99.00	Call For BSW Price
PD8	Mfr. List $79.00	Call For BSW Price

FURMAN

PL8/PL-PLUS - Power Conditioner/Light Module

The Furman power conditioner and light module is the perfect accessory to any rack-mount system. Install in the top slot of your rack, and the eight switched AC outlets on the rear panel will power up all your equipment while its two slide-out light fixtures provide discrete, shadow-free illumination. Protects your equipment by combining a high voltage surge/transient suppressor with an RFI/EMI interference filter to keep out power spikes and electronic noise. PL-PLUS features front-panel line voltage indicator.

PL8	Mfr. List $159.00	Call For BSW Price
PLPLUS	Mfr. List $229.00	Call For BSW Price

AR-PRO - Worldwide AC Line Voltage Regulator

The AR-PRO voltage regulator accepts single phase input AC voltages within two capture ranges (88-134 or 170-264 volts) and converts them to the North American standard 120 volts (±4%). This unit is ideal for situations where local power is unstable, or for use worldwide to convert different voltage levels. AC-Pro includes twelve AC outlets on its rear panel and two in the front panel, each featuring spike and RFI protection.

*ARPRO	Mfr. List $2,295.00	Call For BSW Price

PLUGLOCK - Outlet Strip

PlugLock is the secure solution to your "wall wart" problem. This inexpensive, heavy-duty outlet strip securely locks in place up to five bulky transformer or regular electrical plugs.

PLUGLOCK	Mfr. List $58.00	Call For BSW Price

FURMAN

AR-1215/AR-2330 - AC Line Voltage Regulators

Furman AC line voltage regulators protect audio, video, computer and electronic equipment from problems caused by AC line voltage irregularities. Features (AR-1215): delivers a stable 120±5V AC whenever the input AC line voltage is between 97V and 141V; eight outlets on the back panel, one on the front; output capacity 15 amps; eight-tap toroidal autoformer; LED voltage meter; extreme voltage shutdown indicator. Features (AR-2330): output voltage may be switched to either 220, 230 or 240; regulation to ± 10V AC; output capacity 30 amps; six outlets on back, one on the front; eight-tap toroidal autoformer; LED voltage and current meters; extreme voltage shutdown.

*AR1215	Mfr. List $599.00	Call For BSW Price
*AR2330	Mfr. List $1,895.00	Call For BSW Price

IT-1220 - Balanced Isolation Transformer

Designed for the most critical, ultra-low-noise installations, the IT-1220 can supply 20 amps of balanced AC power. It drastically reduces hum and buzz caused both by ground currents from power supply filtering and by radiation from supply cables into sensitive signal sources, such as microphones. Features: up to 16 dB improvement in background noise floor in system-wide installations; toroidal transformer with center-tapped secondary is the most efficient design, with the least magnetic field leakage; soft start circuit prevents turn-on transients and high in-rush currents; extreme voltage shutdown; spike suppression; RFI filtering and ground fault interrupter protection.

*IT1220	Mfr. List $1,579.00	Call For BSW Price

GALAXY AUDIO

FAR OUTLET - Power Supply

The FAR OUTLET™ personal power station is a self-contained portable source of 110 volt, 60 Hz, household current. About the size of a lunchbox and lightweight enough to carry in one hand, the FAR OUTLET™ provides up to 250 watts continuous and 400 watts peak power. The lead-acid battery recharges overnight (in any standard outlet) to offer hours of uninterruptable power.

FO250	Mfr. List $399.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

NIGEL B.

3512SPL SP8LT/6MHI

Power/Lighting Accessories

Nigel B. offers a 35" 12 outlet AC power strip with full surge protection and gooseneck lamp socket that can be mounted vertically in a standard equipment rack (2 units fit in a 70" rack for 24 outlets).

Innovative power strips are available featuring triple surge protection with options including a BNC gooseneck lamp socket and a front panel telephone/modem jack with cord for a phone extension in your rack.

*3512SPL	35" power strip w/surge & lamp socket	Mfr. List $149.95
*SP-8	8 outlet strip with full surge protection	Mfr. List $139.95
*SP8LT	8 outlet power/light/tel. strip w/surge protection	Mfr. List $169.95
*6MHI	6" gooseneck lamp w/BNC connector	Mfr. List $39.95

Call For BSW Prices

RDL

TS-1D - Transient Suppressor

The TS-1D is a transient suppression module which shunts high energy, high frequency signals to system ground while passing unaffected, full spectrum audio signals. The TS-1D contains four independent circuits. It may be used to protect four single ended (unbalanced) lines or two balanced lines and offers immunity from electrostatic discharge, induced transient voltage, RF interference and electromagnetic pulse.

TS1D Mfr. List $103.00 Call For BSW Price

LITTLITE

RLX SERIES - Modular Rack Lights

The high-quality RLX series rack lights consists of a black single space rack panel equipped with two 3-pin XLR connectors ready to receive one or two detachable Littlites (6", 12" or 18" lengths). The convenient dimmer allows you to adjust the brightness of the lamp to the desired intensity. The flexible gooseneck allows you to direct the light where desired.

RLX	rack unit with 2 XLR connectors for gooseneck lamps	Mfr. List $95.00
6X	6" gooseneck lamp w/XLR base	Mfr. List $32.00
12X	12" gooseneck lamp w/XLR base	Mfr. List $34.00
18X	18" gooseneck lamp w/XLR base	Mfr. List $38.00

Call For BSW Prices

LITTLITE

L-3/12 and G SERIES - Rack and Accessory Lights

With their sleek, unobtrusive look, Littlites complement any audio studio. The L-3/12 high-intensity light features a quartz halogen bulb, a dimmer control with off position, a wall plug-in transformer with 6' cord and permanent mounting hardware (6" and 18" sizes available at the same price).

The popular G series lamps offer low-intensity bulbs, available in 6", 12" and 18" models. They feature a BNC base for use with popular mixing consoles. For lamps with XLR connectors see the RLX series (bottom left on this page).

L3/12	12" attached gooseneck lamp	Mfr. List $59.00
WB	weighted base for L Series lamps	Mfr. List $14.00
HTC	high tension clamp	Mfr. List $9.00
6G	6" gooseneck lamp w/BNC base	Mfr. List $26.00
12G	12" gooseneck lamp w/BNC base	Mfr. List $28.00
18G	18" gooseneck lamp w/BNC base	Mfr. List $30.00
Q5	5 watt high-intensity replacement bulb	Mfr. List $9.00
1815	2.4 watt low-intensity replacement bulb	Mfr. List $3.00

Call For BSW Prices

RL-10-D - Rack Light

The RakLite comes complete with your choice of one or two 12" goosenecks, with bright 5 watt bulbs, dimmer rheostat, 6" cord and transformer. When mounted at the top of your rack, the RakLite provides illumination for an entire rack of audio equipment. The gooseneck light is recessed into a sturdy black metal single rack unit. Available in 12V, 110V and 240 V versions.

RL10S	single light	Mfr. List $102.00	Call For BSW Price
RL10D	dual light	Mfr. List $153.50	Call For BSW Price

NIGEL B.

MHI12S - Gooseneck Lamp

Nigel's mini gooseneck lamp with weighted base is perfect for near-field lighting. Two different models (BNC connector or standing base).

MHI12S	12" gooseneck lamp w/base	Mfr. List $69.95
12MHI	12" gooseneck lamp w/BNC connector	Mfr. List $41.95

Call For BSW Prices

* Non-inventory item subject to return restrictions.

LUXO

MH806 - Copy Holder

This well-built, heavy-duty holder is designed for letter and legal size documents. A spring-loaded holder clip keeps copy in place. Holds up to 4 lbs. Other self standing and mounted copy holders are available from LUXO.

MH806 standard copy holder **Mfr. List $145.00 Call For BSW Price**

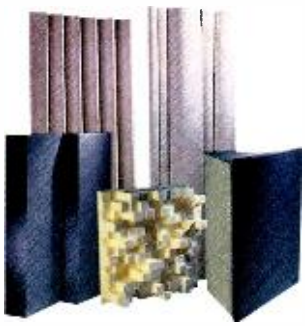
MIDDLE ATLANTIC

AP SERIES - Acoustic Treatment

Middle Atlantic now offers acoustic wall panels to improve your studio's audio quality and give it the professional look you want. These panels are made of 2" thick molded fiberglass with reinforced edges for good acoustical performance and long life. All components have a Class "A" fire hazard rating and each panel comes with metal mounting clips for easy installation. Available in one of two sizes (24x24" or 24x48") and two colors (beige or gray).

*AP24X24BEIGE	Mfr. List $133.50	Call For BSW Price
*AP24X24GRAY	Mfr. List $133.50	Call For BSW Price
*AP24X48BEIGE	Mfr. List $189.00	Call For BSW Price
*AP24X48GRAY	Mfr. List $189.00	Call For BSW Price

RPG



Acoustic Treatment

RPG, the recognized world leader in acoustical reference in the music industry, provides truly professional solutions to studio acoustic problems. Tens of thousands of diffuser systems have been installed in prestigious facilities all over the globe for treatment of corners, walls and ceilings. Ask for more information about ProFoam™, ProCorner™, SoundCorner™ and Flatffusor™ products. RPG also makes a line of sculptured, fire-safe acoustic control foam in different styles and colors.

***Call BSW With Your Requirements**

SYSTEMS DEVELOPMENT GROUP

CUTTING WEDGE - Acoustic Treatment

Cutting Wedge offers the best noise reduction coefficients in the industry, and at low frequencies it's 300% more absorptive than other products in its class. Using the highest quality foam, it retains its shape and offers long durability and consistent performance. Cutting Wedge is available in three colors (charcoal, tan and blue), four sizes (12"x12", 2'x4', 4'x4' and 2'x8') and four depths (2", 3", 4" and 6").

***Call BSW With Your Requirements**

BRYCO

Media Storage Racks/Storage Bag

The high-impact molded plastic DAT/MiniDisc racks are perfect for any size studio. Both can be wall mounted horizontally or vertically. The smaller rack holds 8 DATs or 16 MDs. The larger model holds 40 DATS or 80 MDs. If travelling with your media, get the rack with a cordura carrying case for just a little more money.

DRP8	wall rack holds 8 DAT or 16 MDs	Mfr. List $4.99
DRP40	wall rack holds 40 DATs or 80 MDs	Mfr. List $21.95
DP8	case holds 8 DATs	Mfr. List $13.95
DP16	case holds 16 DATs	Mfr. List $19.95
DP40	case holds 40 DATs	Mfr. List $39.95
MDP16	case holds 16 MDs	Mfr. List $13.95
MDP32	case holds 32 MDs	Mfr. List $19.95
MDP80	case holds 80 MDs	Mfr. List $39.95

Call For BSW Prices

BRYCO

Media Storage Racks

These high-quality oak DAT/MD racks are available in natural oak finish or high-tech black oak. Each holds 60 DATs or 120 MDs and can be mounted horizontally or vertically. Dimensions: 21 3/8" x 9 1/2" x 2".

For CDs, choose from beautiful natural oak, high-tech black oak or high-impact plastic. Holds 60 CDs. Oak dimensions: 21 5/8" x 11 1/4" x 4 3/4". Plastic dimensions: 15 3/4" x 13 3/4" x 4 3/4".

DR60	Oak case holds 60 DATs or 120 MDs	Mfr. List $59.95
DRB60	Black oak case holds 60 DATs or 120 MDs	Mfr. List $59.95
CD60	Oak wall rack holds 60 CDs	Mfr. List $65.00
CDB60	Black oak wall rack holds 60 CDs	Mfr. List $65.00
CDP63	Plastic wall rack holds 60 CDs	Mfr. List $21.95

Call For BSW Prices

PRORAX

Media Storage Racks

ProRax are constructed of the finest quality oak or mahogany hardwoods with sturdy dividers to keep to keep media organized. Durable racks will provide years of service and add natural beauty to your facility.

CD80W	rack holds 80 CDs	Mfr. List $125.00
CD80WOAK	rack holds 80 CDs	Mfr. List $135.00
W100	wall rack holds 100 Carts	Mfr. List $125.00
CS80W	rack holds 80 cassettes	Mfr. List $109.00

Call For BSW Prices

SOHO

CD-2/RMR-2 - CD Racks

These inexpensive, heavy-duty racks hold 12 CDs each in stackable, wall-mountable units. Modular system can be expanded in four directions. Each order includes 2 units.

CD2	black	2 units hold 24 CDs	Mfr. List $7.00
RMR2	specify putty or gray	2 units hold 24 CDs	Mfr. List $7.00

Call For BSW Prices

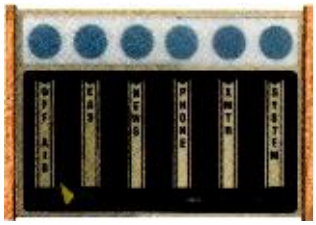
BROADCAST TOOLS

AS-16 - Alert Sentry

The Alert Sentry 16 provides a convenient way to monitor station alarms on Windows-based PCs. Included software allows up to 16 alert and 16 non-alert, 63-character descriptions to be displayed. An alarm condition causes a highlighted cursor to flash beside the highlighted 63-character description. Includes software and 16-channel data input board. Computer and monitor not included.

*AS16	Mfr. List $349.00	Call For BSW Price

ENBERG



BA6 SERIES - Alert Monitors

Off the air?...EAS warning...Telephone hotline ringing? Find out visually in an instant with the BA6 from Enberg Electronics. This practical device interfaces with a variety of equipment to immediately inform you of status. **Features:** 3 modes of operation; flashing 4,000 hour indicators; opto-isolated inputs and solid state relays. The BA6RX is a rack mount version of the BA6 and is only 2U high. Both are capable of driving remote displays and come with the FN6 phone module for signaling incoming phone calls.

*BA6	monitor w/phone module and labels	Mfr. List $389.00
*BA6R	remote display	Mfr. List $239.00
*BA6RX	rack mount monitor with FN6	Mfr. List $389.00

Call For BSW Prices

FIDELIPAC

340 SERIES - Warning Lights

The standard warning light used nationwide. Back-lit red letters on black background. Available in several languages. Dimensions: 5"H x 10"W x 2-1/2"D. 120 volt. Custom text available.

65340	"on-air"	Mfr. List $80.00	Call For BSW Price
340REC	"recording"	Mfr. List $80.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

PROLITE

Warning Lights

Designed to fit a variety of interior specifications, the Prolite Architectural series lights are attractive and functional, warning that a microphone is on. Housing and canopy are triple ground, cast aluminum with a baked, matte black enamel finish. Dimensions are 7 1/2" square. Two 20W, 6 1/2" long-life lamps are supplied. 120 volts required for operation. Choose from three configurations with either "on the air" or "recording" symbols.

The L101 fits in a standard single duplex electrical box and operates on 24-volt DC (user supplied). Specify white or red plastic lens.

AW	"on the air" flat wall single lens	Mfr. List	$124.95
RW	"recording" flat wall single lens	Mfr. List	$124.95
AP	"on the air" ceiling pendant double lens	Mfr. List	$147.75
RP	"recording" ceiling pendant double lens	Mfr. List	$147.75
AC	"on the air" wall/ceiling double lens	Mfr. List	$135.95
RC	"recording" wall/ceiling double lens	Mfr. List	$135.95
REC LENS	extra lens "recording"	Mfr. List	$42.10
AIR LENS	extra lens "on the air"	Mfr. List	$42.10
BLANK LENS	extra blank lens	Mfr. List	$11.25
L101	24 volt warning light	Mfr. List	$20.45

Call For B5W Prices

TITUS TECHNICAL LABS

OAL SERIES - Warning Lights

These provide a beautiful, practical means of indicating that a studio is in use. The lights feature a smoked glass window mounted in either a gold or silver frame which is attached to a solid wood mounting base. Oak is the standard wood used; however, custom woods are also available. The warning "ON AIR" or "RECORDING" only appears when illuminated and is blacked out when not in use. Orientation is either vertical or horizontal and wiring is class-2 type low voltage. Please specify exact type when ordering (silver, gold, vertical, horizontal, ON-AIR, RECORDING)

OAL...	Mfr. List $125.00	Call For B5W Price

ATI

BGD SERIES - Bargraph Meters

Economically display up to 12 critical audio lines in a single rack space. Remote, shared power supplies let you mount these bright 3-color VU or PPM meters directly under video monitors or critical audio circuits with no possibility of magnetic interference. Available in two-channel horizontal (with and without phase indication and headphone monitor) and also in four-channel vertical configurations. Multiple color, ten-segment displays are visible even in bright sunlight. VU models display -20 to +3 dBu, around 0VU; PPM models cover -15 to +12 dB. High impedance non-loading inputs accommodate balanced or unbalanced input signals. Two-piece, quick release screw plug connector per input. **Optional Accessories:** power supply and rack adaptors.

*BGD200VU	dual display VU response	Mfr. List $359.00
*BGD200PPM	dual display PPM response	Mfr. List $359.00
*BGD400VU	quad display VU response	Mfr. List $429.00
*BGD400PPM	quad display PPM response	Mfr. List $429.00
*BGD200PHA5E	dual display VU response with bi-polar phase indicator	Mfr. List $399.00
*BGD200PPMPHA5E	dual display PPM response with bi-polar phase indicator	Mfr. List $399.00
*WA100-1	wall mount power supply	Mfr. List $13.00

Call For B5W Prices

DORROUGH

40-A2/240-A2 - Loudness Monitor

Dorrough Loudness Meter model 40-A2 displays both the peak and average of the audio signal. The unique metering ballistics accurately present loudness variations on an easy-to-read scale. Dual inputs allow sum and difference metering. Peak Hold functions are standard along with a DB9 connector to access various "over" and "under" parameters. Other models are available with either 14dB (A scale) or 20dB (C scale).

Model 240-A2 is a vertical single channel loudness meter designed for standard console mounting (only 1.4" x 5" high). It can also be used for surround sound configuration.

40A2	Mfr. List $475.00	Call For B5W Price
240A2	Mfr. List $475.00	Call For B5W Price

280-D - AES/EBU Meter

Designed for measuring AES/EBU digital audio, this meter displays both the peak and average, employing the same ballistics as the analog meters. Over Indication and Peak Hold are incorporated. Complies with SMPTE 155 requirements.

*280-D	Mfr. List $850.00	Call For B5W Price

* Non-inventory item subject to return restrictions.

LOGITEK

SILENCE SENSOR - Audio Signal/Level Meters

See the audio signal and be alerted to silence on any of up to 6 stations using the Logitek audio meter. Choose from 4 threshold levels and 4 time intervals per unit. Displays show VU and true peak. Available in either analog or digital inputs (please specify when ordering). Balanced XLR connectors.

*BVS2A or BVS2D	1 stereo/2 mono inputs	Mfr. List	$610.00
*BVS4A or BVS4D	2 stereo/4 mono inputs	Mfr. List	$895.00
*BVS6A or BVS6D	3 stereo/6 mono inputs	Mfr. List	$1,145.00

Call For BSW Prices

VUB SERIES - Audio Level Meters

Available in either 2 or 4 VU meters, Logitek lighted mechanical meters have balanced, bridging, high impedance XLR input and rear panel zero adjustment control. Phase checking button for each pair of meters. Easy to install and highly reliable.

*2VUB	Mfr. List $525.00	Call For BSW Price
*4VUB	Mfr. List $790.00	Call For BSW Price

RDL

RU-SM16 - Dual Audio Meter

The RU-SM16 offers precise audio level metering. **Features:** 16 segment display for 2 audio channels; selectable peak or average metering; peak L+R/L-R metering; 1/3 rack width; rack options available. Requires PS24A power supply.

RUSM16	Mfr. List $219.00	Call For BSW Price

ESE

LX520 - Studio Timer

The LX520 is a 4-digit, 60 minute timer with .56" amber LED displays. Three front panel buttons (Start, Stop and Reset) are used to control the unit. The timer can also be remotely operated by a rear panel connector.

LX520	Mfr. List $285.00	Call For BSW Price
ES520	Mfr. List $185.00	Call For BSW Price

ESE

ES185A/ES192A/ES101 - Master Clock and Slave Systems

ESE offers a wide selection of accurate time-keeping systems, including state-of-the-art GPS master clocks and slave systems.

The ES192A is an affordable 12-hour master clock with hours, minutes and seconds displayed in .56" high amber LED numbers. Features include an ESE serial time code output, a 1 pps output and a line frequency time base. Available in aluminum, black painted enclosure or optional 1RU rack panel.

The ES185A master clock/time code generator (not shown) features an 8-channel GPS receiver for maximum accuracy (45 nanoseconds) anywhere in the world. It provides outputs for SMPTE/EBU, IRIG-B, ASCII (RS232C) and ESE time code. Additional features include .56" display; rugged 1RU chassis; indoor/outdoor antenna with cable; automatic daylight savings correction; timezone offset; four-hour battery back-up and more.

The new ES101 (not shown) is a lower-cost GPS master clock/time code generator. ESE also offers a wide variety of digital slave displays ranging from .4" to 4" high with six enclosure types available.

Call today for more information on ESA master clock and slave systems.

*ES192A	Mfr. List $270.00	Call For BSW Price
*ES185A	Mfr. List $2,495.00	Call For BSW Price
*ES101	Mfr. List $995.00	Call For BSW Price

LX-5100 SERIES - Self-Setting Analog Clock

The smartest analog clock in the world – able to self-set its hands to the correct time as received via any one of three different time code inputs (SMPTE/EBU, ASCII or ESE). Daylight Savings Time correction is automatic. Alternate modes of operation allow the unit to synchronize with an alternating 12 or 24 volt impulse signal, or to act as a stand-alone clock. Sweep or step mode and time zone offset are user-set via rear panel DIP switches. Dial faces are 5", 12" or 16" in diameter. Options include rack mount versions, lighted dial with brightness control and "UL" operation.

*LX5105	Mfr. List $575.00	Call For BSW Price
*LX5112	Mfr. List $575.00	Call For BSW Price
*LX5116	Mfr. List $675.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

RADIO SYSTEMS

CT-6 SERIES - Timing Systems

CT-6 clock/timers offer a front panel mode switch to select on-the-fly between clock or timer (of course, the other mode keeps running). CT-6 timing systems can also be synchronized with an optional master driver board (which fits into desktop or large models). All connectors are already in place on the clocks for easy connection to a master unit. Even CT-6 analog clocks can be added as slave displays.

CT6THIN	1x7x2"	Mfr. List $175.00	Call For BSW Price
CT6DSK	4x7x2"	Mfr. List $195.00	Call For BSW Price
*CT6LARGE	3x14x5"	Mfr. List $495.00	Call For BSW Price

SETH THOMAS

710, 709, 2636 - Wall Clocks

Popular analog wall clocks are easy to read and feature quartz accuracy and second sweep hands. Battery versions run for over a year on a single AA battery.

710	14" battery powered w/second sweep	Mfr. List $38.00
709	14" AC powered w/second sweep	Mfr. List $27.85
2636	14" battery powered w/second sweep	Mfr. List $38.00

Call For BSW Prices

CONEX

JDB1 - Barometer

The Conex Jumbo Digital Barometer shows the barometric pressure at a glance. Its large display allows it to be easily visible from across the room. **Features:** trend indicator shows has fast pressure is rising or falling; reads in inches of mercury or millibars; 9-volt alkaline battery runs over a year.

JDB1 Mfr. List $189.00 Call For BSW Price

WEATHERJACK - Temperature Gauge

WeatherJack is a simple, battery-operated module that connects to your PC via a RS-232 port. Now you can easily view pressure and outside temperature graphs and trends on your desktop. It's an excellent tool for your station's weather updates and records up to 5 days of data even while your PC is off.

WJ10 Mfr. List $129.00 Call For BSW Price

DAVIS

WEATHER MONITOR II - Weather Monitoring System

The Davis Weather Monitor II™ is a cost-effective weather station that allows you to monitor weather conditions at the push of a button. Weather Monitor II gives you the most requested features of a sophisticated weather station such as outside temperature with high/low temp., 12- or 24-hour clock with date, wind direction, wind speed, wind chill and barometric pressure with memory. Rain collector measures daily and accumulated rainfall. The 7440CS system comes complete with anemometer, 40' of cable, rain collector, external temp. sensor w/25' of cable, junction box w/8' of cable, AC adaptor and instructions. Weatherlink software option allows you to process and store data through your PC or MAC. Wireless weather station options are now available. These can transmit from 30 to 120 meters and run on lithium batteries or solar power.

7440CS Mfr. List $495.00 Call For BSW Prices

RODCO

COMPUTEMP 5 PLUS - Time/Temperature Monitor

The Computemp 5 Plus accurately monitors outdoor and indoor temperatures and time of day. **Features:** temperature alarm alerts to any predetermined setting; new week-long memory of daily high and low temperatures and the exact time of occurrence; continually alternating LED display; battery back-up memory; removable temperature sensors; optional rotary switch for monitoring up to nine locations; 30' outdoor cable standard (additional lengths available).

COMPUTEMP5 Mfr. List $99.95 Call For BSW Price

TELTEK

INFORMERII - Digital Temperature Gauge

For accurate temperature reporting, use the InformerII. LCD display operates on one AA battery (replace yearly). Records high and low temperatures in memory. Very accurate and works in high RF fields. Includes 50 feet of cable for outside probe (additional lengths available).

INFORMERII Mfr. List $59.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

The **Scoop Reporter II** *Redefines*

"CONSOLIDATION"

It's interesting how a single word like "consolidation" can have so many implications.

But, when it comes to the Scoop Reporter II, it means only one thing: Real Savings! That's because the Scoop Reporter II is the world's first codec to combine ISDN, POTS, auto-battery backup, 3 channel mixer, PC programmability, and lots more! As a result, "consolidation" means a cost effective, "all-in-one" solution that inspires confidence when you are out in the field.

AETA AUDIO

Linking Innovation With Clarity

AETA AUDIO CORPORATION
75 Fleetwood Dr. Suite 200 • Rockaway, New Jersey 07866

AEQ

ACD-5001 - ISDN Audio Codec

The AEQ ACD-5001 is a dual multi-format audio codec for ISDN lines, with terminal adaptors built in, offering all the combined utilities needed for establishing either two independent mono audio channels plus auxiliary data, or one stereo link with the highest possible audio quality and easy operation. The ACD-5001 receiver is designed with the same outstanding features as the MPAC-02 (below) and makes an excellent partner for remote broadcasting. The ACD-5001 is equipped with a full-duplex intercom, allowing simple and independent communication with both audio channels, without external wiring and operations. The monitoring capability permits the oversight of all signals transmitted and received without causing any interference to the communication. **Features:** audio coding algorithms including G.711, G.722 (statistical and H.221/H.242), LD-Extend and ISO/MPEG for mono, dual and stereo transmission at 64 and 128 kbps; up to 15 kHz stereo audio; up to 11.5 kHz bi-directional audio; adaptive echo cancellation using G.711 for maximum quality performance in analog telephone network connections; built-in intercom for direct in line operation; independent dialing for each B channel, with sub-addressing capability; generously sized LCD screen; phone call status on-screen; intercom microphone input and headphone output on front panel; alphanumeric phonebook with 32 inputs; DTMF tone generator for remote equipment control.

*ACD5001	Mfr. List $2,490.00	Call For BSW Price

MPAC-02 - Portable ISDN Audio Codec

The AEQ MPAC-02 is a multiformat, dual channel, portable audio codec for ISDN remotes and makes an excellent partner with the ACD-5001 (above). It offers the best possible audio and data connections, a user-friendly interface for the journalist with a full set of features for the technician. Offering two-way communications in two independent audio channels on a single ISDN line (the two B channels can be used independently), the MPAC-02 enables the setting-up of simultaneous program and coordination circuits. Levels for all input channels, mix, monitoring, program and coordination are independent. The ability to connect to a standard telephone line, easy access to the dial keypad on the front panel and a back-lit LCD screen with intuitive messages make the MPAC-02 a one-box solution for remotes. **Features:** digital hybrid with frequency extender, compatible with TH-02EX MKII and TLE-02, operative on analog telephone lines; a digital audio codec G.726/16 kbps for external modem connection; G.711, G.722 (statistical and H.221/H.242), LD-Extend and ISO/MPEG LII for mono, dual or stereo transmission on ISDN lines; up to 15 kHz stereo audio; up to 11.5 kHz bi-directional audio; 3 microphone and 1 mic/line inputs with XLR/jack combo connectors; 3 stereo headphone outputs with independent level controls; independent dialing for ISDN B1 and B2 channels with sub-addressing capabilities.

*MPAC02	Mfr. List $3,490.00	Call For BSW Price

AETA

SCOOP REPORTER II - Combination ISDN/POTS Codec

Following the success of the original Scoop Reporter, with thousands of units installed worldwide, AETA Audio's Scoop Reporter II combines more standard features making it the most convenient, compatible and cost-effective codec for remote broadcasts. The "all-in-one" Scoop Reporter II can handle POTS calls as well as ISDN transmissions! Its ISDN offers the highest performance with bi-directional 20 kHz audio at 128 kbps. While ISDN certainly is the preferred method for remote broadcasts, there are still situations with limited advance notice or where ISDN simply isn't available. Now you simply carry one codec and take advantage of 7.5 kHz POTS capability that will guarantee you get on the air, anywhere, anytime! With a built-in 3-channel mixer, it's primed and ready for your sports or talk broadcast teams. Powered by internal "D" batteries, external 12 volt or AC voltages, the codec will always remain powered. And a speed dial directory with 99 presets containing dial-up and codec settings makes it easy to use. **Features:** supports G.711, G.722, ISO/MPEG Layer II and J.52; PC programmable; LCD display; balanced XLR mic inputs; AUX in/out; metal chassis.

SRMII is a rack mount studio version.

SRII	Mfr. List $4,250.00	Call For BSW Price
SRMII	Mfr. List $3,895.00	Call For BSW Price

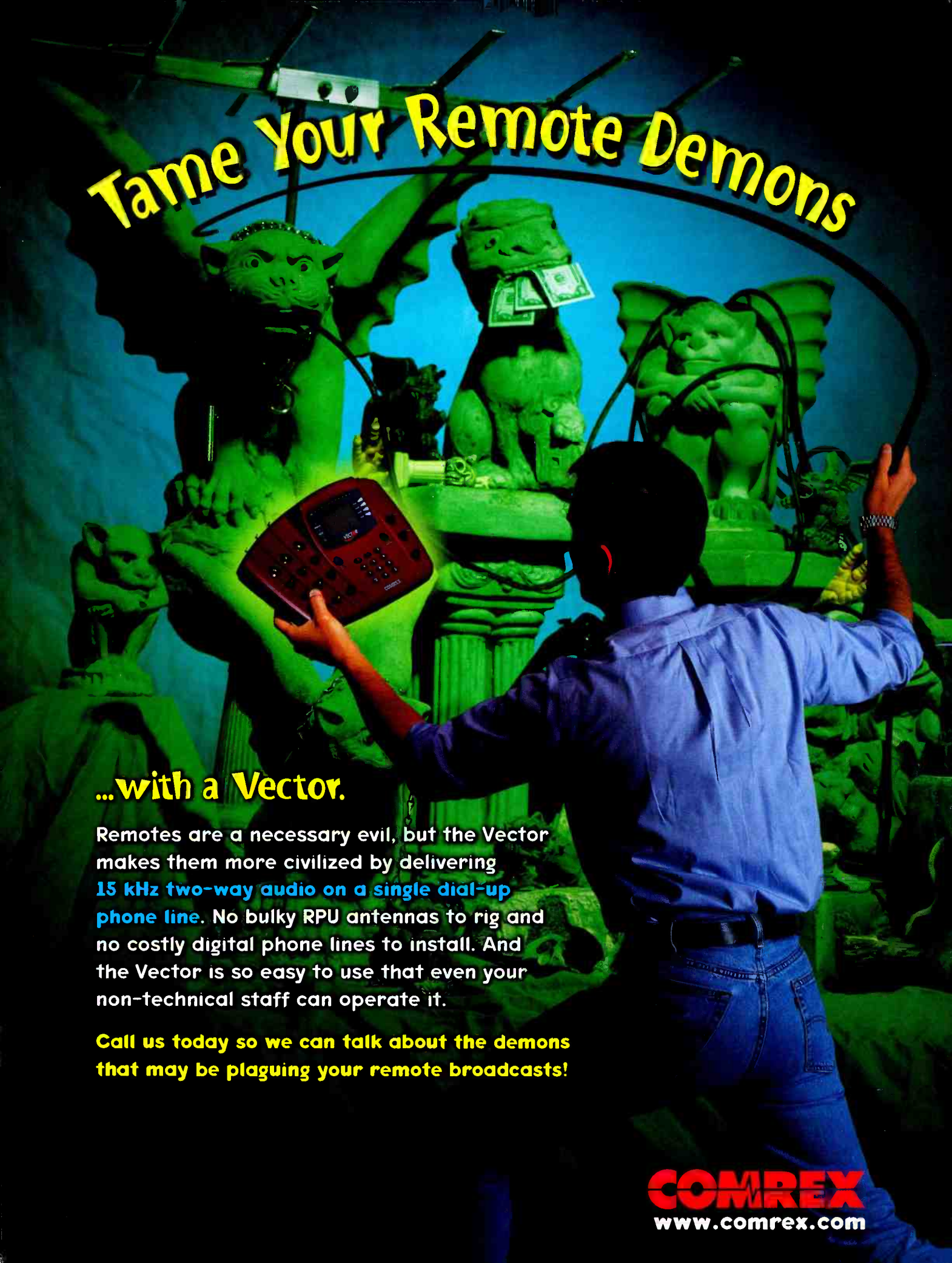
APT

DRT128 - ISDN Codec

Portable and robust, the DRT128 digital reporter terminal is designed to help outside broadcast and limited bandwidth applications deliver high-quality audio over the ISDN. It provides reporters with a variety of transmission options, including stereo. **Features:** simultaneous transmission and reception of audio; 16 kHz and 32 kHz sampling frequencies; apt-X digital audio data compression providing negligible coding delay; embedded user data facility; full compatibility with all apt-X-based codes; stereo or mono operation; LCD display and 15-key keypad; balanced XLR I/O; RJ45 and RS232 connectors.

*DRT128	Mfr. List $4,500.00	Call For BSW Price

* Non-inventory item subject to return restrictions.


Tame Your Remote Demons
...with a Vector.
Remotes are a necessary evil, but the Vector makes them more civilized by delivering 15 kHz two-way audio on a single dial-up phone line. No bulky RPU antennas to rig and no costly digital phone lines to install. And the Vector is so easy to use that even your non-technical staff can operate it.
Call us today so we can talk about the demons that may be plaguing your remote broadcasts!
COMREX
www.comrex.com

APT

BCF256 - Codec

This full duplex codec facilitates FM quality digital audio up to 20 kHz over fixed or ISDN links. Although primarily an ISDN codec, the unit also features an integral X.21 DTE interface. It is capable of operating up to four ISDN B channels with an integral terminal adaptor. **Features:** transmission bandwidths from 56 to 256 kbps with corresponding audio bandwidths from 6.8 kHz mono to 15 kHz stereo; sample rate convertor; auxiliary data and integral fail-safe ISDN backup; analog I/Os; digital AES/EBU I/O.

*BCF256	Mfr. List $7,750.00	Call For BSW Price

DSM100/PRO-LINK - Digital Audio Transceiver

APT's WorldNet™ DSM100 incorporates high quality apt-X100 data compression, enabling real-time transmission of full duplex digital audio (7.5 kHz mono to 22.5 kHz stereo) on low capacity circuits such as ISDN and Switched 56. **Features:** simultaneous transmission/reception of full bandwidth mono or stereo audio over low capacity digital links; sample rate converter; timecode and RS-232 auxiliary data facilities; balanced analog and digital (AES/EBU) I/O.

The Pro-Link ISDN Manager combines a fully featured terminal adaptor with an intelligent inverse multiplexer to provide a wide range of bandwidths while automatically maintaining transmission security under adverse conditions. An intelligent device, it synchronizes up to six ISDN B-channels at 64 kbps with a minimal delay. Its integral six-channel terminal adapter allows direct connection to ISDN network terminating units.

***Prices Based on Configuration**

COMREX

HOTLINE - Standard Phone Line Codec

Finally, an affordable digital transmission device capable of providing up to 10 kHz two-way audio on a standard telephone line. **Features:** program and cue-back on one phone line; auto or manual dialing and answering; mic/line XLR and mini jack tape inputs; line level XLR and 1/4" headphone outputs; two units required for system.

HOTLINE	Mfr. List $2,800.00	Call For BSW Price
HOTRACK	Mfr. List $3,000.00	Call For BSW Price

COMREX

VECTOR - POTS Codec

The Vector POTS codec delivers 15 kHz two-way audio on a plain telephone line at a realistic data rate of 24 kbps or higher. **Features:** 4 XLR mic level inputs (3rd and 4th are switchable to line level); 3 headphone outputs on 1/4" phone jacks and an extra line level output on XLR that could feed a PA; quick dial memory for one button dialing; auto or manual answering; standard coupler if phone line cannot support modem transmission; compatible with the HotLine POTS codec.

VECTOR	Portable	Mfr. List $4,500.00	Call For BSW Price
VECTORRACK	Rackmount	Mfr. List $4,500.00	Call For BSW Price

ENVOY - ISDN Codec

The Envoy ISDN codec is the perfect all-in-one remote unit for ISDN broadcasts delivering 15 kHz or 7.5 kHz full duplex mono audio complete with mixing and monitoring capabilities. **Features:** 4 mic level inputs (3rd and 4th are switchable to line level); 3 headphone outputs on 1/4" phone jacks; a line level output to feed a PA system or recorder; quick dial memory for one button dialing; automatically answers at 56, 64, 112 or 128 kbps; ancillary data channel enables computer communications while broadcasting (great for call screening and delivering sporting event scores); minimal 6 millisecond delay allows for easy two-way communication; simple set up and operation.

ENVOY	Mfr. List $3,500.00	Call For BSW Price

NEXUS - ISDN Codec

Capable of 15 kHz as well as 7.5 kHz low delay two-way mono audio over ISDN or SW56, the Nexus comes complete with a built-in terminal adaptor (TA) and NT1. **Features:** mic/line input; output that provides a variable mix of local program audio and codec return audio; ancillary data; separate data port for SW56 DSU/CSUs; easy set up with keypad, LCD display and memory dial.

A Euro version is available for operation outside of North America.

NEXUS	Portable	Mfr. List $2,300.00	Call For BSW Price
NEXUSRACK	Rackmount	Mfr. List $2,500.00	Call For BSW Price

Complete Remote Solutions at a *MARTI*® Value.

MARTI – The Remote Experts

For over 50 years, *MARTI* has been synonymous with value and service for remote broadcasting products. As the radio industry changes, so has *MARTI*. Discover our complete line of cellular, POTS codecs, frequency agile RPU/STLs, exciters and accessories — all at a *MARTI* value.

The New GX-500 is now easier to operate and service. A powerful new option has been added - an add on cellphone adapter. The adapters are "Model Specific", and are available for some digital cell phones.

Three watt cellular remote broadcasting studio. AC power, battery, or 12V adapter options.

Today's telephone remotes demand a smart solution and that solution is SMARTI: the family of field proven, adjustable bandwidth POTS codecs. Utilizing MPEG compression and DSP technology, SMARTI gives you superior audio quality with phone line convenience and a 33.6 KBps internal modem.

The Talk*Port provides all the features you need for great sounding remotes through a dial-up phone line or optionally through the micro-cellular phone interface. Adapters available for most popular brands of cell phones.

Three different power levels are available for the one- and two-frequency Remote Pickup Transmitters. The 2-watt unit (RPT-2) and the 15-watt unit (RPT-15) are shown here. They are available in both US UHF and VHF frequency ranges as well as export frequencies. The third model available is the RPT-30, a 4 input, 30-watt (maximum power dependent on the frequency) unit.

Frequency agile RPU equipment available in VHF or UHF. The SRPT-40 (shown above) covers all of the 450 and 455 MHz UHF bands while the SRPT-40E can be programmed for 16 VHF frequencies. Matching frequency agile receivers available.

Call BSW for more information

800-426-8434

MARTI®

A Broadcast Electronics Company

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COMREX

DXP.1/DXR.1 - Mono Codecs

The DXP.1 and DXR.1 contain an upgraded version of G.722 (Turbo G.722) that allows sending bi-directional 15 kHz audio using both B channels of an ISDN line or two SW56 circuits (112/128 kbps). They automatically drop back to the normal 7.5 kHz when sending at 56/64 kbps. A major advantage of G.722 is that it is a widely used international telephone standard, providing the best chance for compatibility with the outside world. These codecs are low-propagation delay (allowing real-time program backfeed) and low in cost, both in terms of transmission data rate and hardware required. They are ideal for sports, talk or any type of mono programming.

DXP1	portable codec	Mfr. List $1,500.00	Call For BSW Price
DXR1	rack mount codec	Mfr. List $1,500.00	Call For BSW Price

MARTI

SMARTI - Standard Telephone Codec System

The RKS-411 SMARTI can send and receive 7.5 kHz audio over a single standard analog telephone line with true broadcast audio quality. Within easy reach, its functions are menu driven from the telephone-style keypad and displayed on the easy-to-read 2x16 backlit LCD display. The RKS-411 SMARTI incorporates a fully functional mixer with 4 inputs (XLR connectors, mic/line switchable with individual level adjustments) and 3 headphone jacks (1/4" connectors, individual program/return fade pots). SMARTI offers three different operating modes: MPEG 2 Layer III, low delay G.728 and direct analog telephone interface. Plus, it uses the fastest modem speed available and automatically adjusts speed up and down to match the telephone line conditions. **Features:** supports up to 33.6 kbps depending on the phone line (7 kHz audio at 24 kbps); full duplex data connection for attaching two computers via data port; 10 telephone number storage (up to 70 characters each); up or down event timer; 2 relay contact closures for control at both ends of link; headphone jack with program and return switches; operates from 90 to 264 volts (50/60 Hz) without setting switches or jumpers. Optional battery package available.

SMARTI (RKS-411)	Mfr. List $2,875.00	Call For BSW Prices

MARTI

SMARTI LITE - Standard Telephone Codec System

Similar to the RKS-411, the downsized RKS-111 SMARTI LITE can send and receive 7.5 kHz audio over a single standard analog telephone line with true broadcast audio quality. SMARTI LITE offers a single XLR connector (mic/line switchable with level control) and one headphone jack. Unlike the RKS-411, SMARTI LITE also comes with a handy battery package (battery, AC to DC power cable, 12V battery adaptor cord) so it may easily battery operated in the field. SMARTI LITE offers three different operating modes: MPEG 2 Layer III, low delay G.728, and direct analog telephone interface. Plus, it uses the fastest modem speed available and automatically adjusts speed up and down to match the telephone line conditions. Within easy reach, its functions are menu driven from the telephone style keypad and displayed on the easy to read 2x16 backlit LCD display. **Features:** supports up to 33.6 kbps depending on the phone line (7 kHz audio at 24 kbps); full duplex data connection for attaching two computers via data port; 10 telephone number storage (up to 70 characters each); up or down event timer; 2 relay contact closures for control at both ends of link; headphone jack with program and return switches; operates from 90 to 264 volts (50/60 Hz) without setting switches or jumpers.

SMARTI1 (RKS-111)	Mfr. List $2,575.00	Call For BSW Prices

MUSICAM USA

FIELDFONE II/STUDIOFONE - Standard Phone Line Codecs

FieldFone II and StudioFone are an integrated system for sending broadcast quality audio over a single analog phone line. **Features:** bi-directional broadcast quality audio (10.2 kHz at 33.6 kbps); operates at transmission bit rates as low as 12 kbps; easy to operate – just speed dial and you're on the air; real-time line quality monitor; automatic fall-back to correct for changes in line quality; four bi-directional relay contact closures to actuate remote equipment; Layer III-based algorithm optimized for great sounding remotes at low bit rates; FieldFone with 2 XLR mic and 1 XLR mic/line input plus 2 independent headphone monitor jacks; StudioFone with front rack mount panel, IFB Talk-Back and monitor speaker.

FIELDFONEII	Mfr. List $3,350.00	Call For BSW Price
STUDIOFONE	Mfr. List $3,550.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

MUSICAM USA

ROADRUNNER - ISDN Codec

RoadRunner is an economical, compact codec that provides full frequency (up to 20 kHz) bi-directional mono audio over an ISDN line. It comes complete with mic and line level mixing inputs so you can mix "on the fly." **Features:** automatically adjusts to incoming algorithm and bit rates; fully bi-directional with a built-in terminal adaptor; provides the highest quality digital audio at bit rates of 56, 64, 112 and 128 kbps; compatible with G.722, CCS MUSICAM, Layer II and Layer III; balanced and unbalanced line level outputs for received audio; three-channel mixer; two headphone jacks; 256 speed dial addresses; built-in automatic functions and remote control.

RR103	Mfr. List $2,800.00	Call For BSW Price

PRIMALT - ISDN Codec

Prima LT is the newest addition to the superb line of Musicam USA digital audio codecs. This ISDN model is stereo, bi-directional and comes with Musicam-enhanced MPEG Layer II, MPEG Layer III and G.722 algorithms for maximum compatibility. Prima LT accepts one digital interface module for direct connection to ISDN, V.35, X.21 or RS422. **Features:** 24-bit A/D and D/A converters; dynamic range better than 92 dB, ultra-low distortion at less than 0.01%; data rates to 384 kbps. **Options:** AES/EBU and S/PDIF I/O.

PRIMALT103	Mfr. List $3,495.00	Call For BSW Price

CDQPRIMA SERIES - ISDN Codec

CDQPrima digital audio codecs provide the best audio quality and the most connectivity for ISDN audio transmission. **Features:** full duplex bi-directional 20 kHz stereo; full contribution quality of up to 384 kbps; use over ISDN, satellite, T1, E1 and dedicated lines; exclusive CCS MUSICAM enhanced ISO/MPEG Layer II; compatible with ISO/MPEG Layer III and G.722; SMPTE timecode; AES/EBU digital inputs and outputs; 20-bit A/D converters; ultra-low distortion of less than 0.01%; built-in automatic smart features and programmable functions.

CDQPRIMA120 with VU meters, status LEDs and ISDN terminal adaptor.

CDQPRIMA210 without VU meters, LEDs and monitoring jacks (perfect for unattended use), but with 3 interface module slots for up to three ISDN lines or mixed digital interface modules (one ISDN terminal adaptor included).

CDQPRIMA220 with total features of both models. Many other options and configurations available.

*CDQPRIMA120	Mfr. List $4,950.00	Call For BSW Price
*CDQPRIMA210	Mfr. List $4,500.00	Call For BSW Price
*CDQPRIMA220	Mfr. List $5,450.00	Call For BSW Price

MUSICAM USA

SENDIT - Software Audio Codec

SendIt software turns your PC into a powerful audio codec with four real-time functions: simultaneous send and receive, record and store, record and send, and receive and record. SendIt can also transfer compressed files in non-real time as e-mail attachments. Requires ISDN TA and ISDN line for real-time broadcast quality.

*SENDIT	Mfr. List $1,150.00	Call For BSW Price

TELOS

ZEPHYR/ZEPHYREXPRESS - Network Audio Transceivers

Zephyr is the ideal solution for remote broadcasts, ad hoc networks, voiceovers, commercial distribution, backup to microwave and satellite links, and many other applications. On just one ISDN circuit, Zephyr can convey 20 kHz duplex stereo audio, and it can transmit 15 kHz mono audio using only one of an ISDN line's two channels. MPEG audio Layers III and Layer II, as well as G.722, are provided for the highest audio quality and compatibility with nearly every installed codec. Features include a built-in ISDN terminal adaptor with NT-1 and 9600 baud RS-232 bi-directional data for communications and control. Available V.35 connection allows Zephyr to connect with Switched 56 and other data links. Zephyr includes full metering, a headphone jack, mic/line inputs, and input protection limiting.

With the ZephyrExpress sending live audio from the field via ISDN has never been easier. Telos lightens your remote broadcast burden by combining a full-featured codec, an ISDN terminal adaptor, and an audio mixing/monitoring system, all in a road-rugged chassis. With ZephyrExpress, there is no need to lug additional electronics. It includes the complete features of the standard Zephyr. You get MPEG Audio Layers III and II, as well as G.722 for the compatibility and performance you require. G.711 allows you to place a voice-grade call to any standard telephone, saving you the expense of an additional circuit at the remote site. The three-input mixer has two mono mic level and a two-channel line level input. Two independent headphone outputs have selectable source controls for monitoring local and/or return audio. Optional hard and soft carrying cases are also available.

9102	mono Zephyr	Mfr. List $4,550.00
9202	stereo Zephyr	Mfr. List $5,690.00
9302	stereo ZephyrExpress	Mfr. List $4,890.00

Call For BSW Prices

* Non-inventory item subject to return restrictions. **Software not returnable.

ADTRAN

Service Units

AdTran service units provide a cost-effective way to utilize digital audio equipment with various telco services. For ISDN, AdTran supplies single and dual channel units supporting dual 64 kbps or single 128 kbps of dialed bandwidth with built-in network termination (NT-1). AdTran also supplies DSU/CSUs for switched 56, T1 and other dedicated lines.

Call BSW With Your Requirements
***Prices Based On Configuration**

AEQ

TH-02EXMK-II - Digital Hybrid

This flexible unit can be used in the two-wire mode as a simple digital hybrid, or in the four-wire mode as a full duplex intercom. It features two telephone/communication lines and a built-in mix-minus bus. The two lines can be configured together or separately in various modes for great system flexibility. A built-in frequency extender makes this unit a natural for remote applications. Transformer balanced audio inputs and outputs.

*TH02EXMKII	Mfr. List $1,460.00	Call For BSW Price

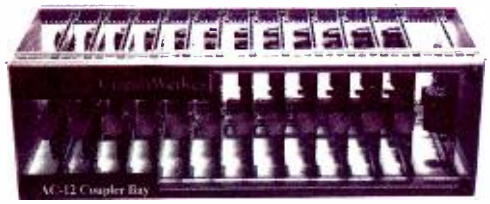
CIRCUITWERKES

HC-3 - Telephone Autocoupler

The HC-3 automatically answers your phone line on a programmable number of rings. It features a simple hybrid circuit that separates incoming and outgoing telephone audio, bridging balanced audio input with a send level control and a low impedance, balanced output. The HC-3's features make it ideal for a variety of telephone tasks such as listen lines, concert lines and remote broadcasting. Dry relay contacts close at pickup. Options include a combination lock for installation needing password protection and the CP-1 for PBXs without normal hang-up signals.

HC3	Mfr. List $249.00	Call For BSW Price

CIRCUITWERKES



AC-12 - Autocoupler System

Circuitwerkes AC-12 fits up to a dozen affordable, full-featured auto-couplers in a 3 rack space (5 1/4") unit. It offers two balanced bridging input, switchable busses for audio distribution. Each coupler card has an individual 600 ohm bi-directional audio connection with level trim for special feeds. Cards can be removed or installed while unit is powered without affecting the other cards. **Features:** LED indicators for incoming ring, on-line, clipping and power; strappable input attenuator which accepts a wide range of input signals; individual relay isolated, user-selected, momentary or latching dry contacts upon connection; automatic signal limiting. Optional CP-1 call progress decoder for PBXs and installations not providing normal end-of-call hang-up signals.

AC12	powered chassis	Mfr. List $349.00	Call For BSW Price
AC1B	coupler cards	Mfr. List $175.00 ea.	Call For BSW Price
CP1	call progress decoder	Mfr. List $100.00 ea.	Call For BSW Price

COMREX

LXT/R - Single Line Frequency Extender

This basic system restores the low end on telephone transmissions, offering a substantial improvement for telephone remotes. LXT/R combines encoding/decoding functions and a telephone coupler in one unit and can be set up to send or receive with a flip of a front panel switch. A high frequency enhancement circuit has been added to the encoder for improved audio quality. Compatible with all Comrex One Line Systems. An LXT/R is required on both send and receive ends of the telephone line.

LXTR	Mfr. List $850.00	Call For BSW Price

MIX-MINUS BRIDGE - Multiple Mix-Minus Interface

While mixing remote audio sources to program can be easily done on a studio console, it can be very difficult to manage the audio fed back to each remote site. The MIX-MINUS Bridge makes it easy to handle this process by creating up to 5 separate mix-minus feeds (a sum of all program audio except for the audio coming from that device). These feeds are necessary because hosts at remote sites cannot tolerate the time delay associated with modern audio processing. The MIX-MINUS Bridge sends a backfeed to all devices from the studio's audition bus. Inputs are separately selectable, levels are individually controllable, and an IFB feed is available to each source for producer cues.

MIXMINUSBRIDGE	Mfr. List $1,200.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

COMREX

TCB-1/TCB-2 - Telephone Couplers

TCB-1 broadcast coupler sends and receives program material via the switched telephone network. This unit requires no external power and connections are via standard modular plugs. The TCB-1 contains an FCC-registered coupler which provides isolation from hazardous vo tages and currents and includes an active circuit to hold the telephone line. 1/4" jack for line level input.

Built specifically for broadcast use, the TCB-2 auto-answer coupler is perfect for listen-line applications. Just plug in the standard connectors, attach the power supply and you're ready to go. Coupler answers on the first ring and disconnects when calling party hangs up.

TCB1A	Mfr. List $150.00	Call For BSW Price
TCB2A	Mfr. List $250.00	Call For BSW Price

CONEX

CELLJACK/CELLJACK II - Cellular Phone Interface

CellJack and CellJack II turn your cell phone into a remote broadcast center. CellJack works with Motorola®-brand bag-type cell phones and operates off the power from the cell phone so it can go with you anywhere. It features an XLR mic input, a tape/AUX input, and send and receive level controls. An in/out switch lets you use the handset for standard calls.

CellJack II incorporates a three input mixer. **Features:** two balanced XLR mic/line inputs; separate auxiliary input; front panel LED level indicator; two headphone jacks – each with its own level control; tuner input for off-air monitoring; all ICs are socketed for easy maintenance; send and receive level controls; low power consumption (powered from cell phone); interconnect cable provided.

CELLJACK	Mfr. List $245.00	Call For BSW Price
CELLJACK II	Mfr. List $349.00	Call For BSW Price

FLIPJACK - Cellular Phone Interface

The new Conex FlipJack cell phone interface is designed to work with Motorola-brand StarTac cell phones or other cell phones with a 2.5mm hands-free adaptor jack. It has two XLR mic inputs, one of which can be switched to accept a balanced line level input. The FlipJack also has a headphone output with a separate level control for monitoring either the cell phone audio or an off-air signal via an external tuner input.

FLIPJACK	Mfr. List $289.00	Call For BSW Price

EXCALIBUR

HC-1 - Handy Coupler

The HC-1 gives you the simplest, quickest, most convenient way to connect audio to a telephone. The HC-1 connects in series with the handset of any telephone using modular connectors. External audio is connected via 1/4" connectors on back. Unit is passive, so no power is required. Simply press the front panel on-off button and external audio in and out are connected to your telephone. Release the button and the handset is once again connected, allowing normal use of the telephone. The HC-1 is ideal for use in many locations around your station including news, production and sales departments.

HC-1	Mfr. List $99.00	Call For BSW Price

HA-1 - Hybrid Coupler

The HA-1 hybrid adaptor allows you to use your favorite broadcast hybrid with almost any telephone...old, new, single or multiple line, etc. Since the HA-1 hooks up through your telephone instrument's handset connector, no connection to the telephone line is needed. With the HA-1's front panel push buttons, connecting your hybrid is fast and easy...and the hybrid performance is the same as if hooked directly to the central office line.

HA-1	Mfr. List $99.00	Call For BSW Price

GENTNER

MICROTEL - Telephone Interface

Microtel is a portable, battery operated telephone interface used in a variety of applications. Typically, Microtel replaces the handset of the telephone to permit high-quality audio feeding down the phone line while simultaneously monitoring the return audio. Microtel is powered by a single 9V battery. Applications: portable mixing, studio talkback, in-the-field news mixing/telephone feeding, sports console/back-up sports console, mic to line driver for equalized program loops.

MICROTEL1	Mfr. List $272.00	Call For BSW Price

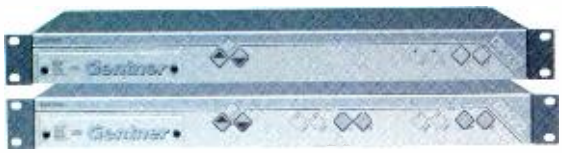
* Non-inventory item subject to return restrictions.

GENTNER

DH30 - Digital Telephone Hybrid

The 24-bit DH30 provides the highest quality audio interface between your telephone line and audio equipment. Designed with AES/EBU and XLR analog I/Os, the DH30 can interface with the latest digital consoles as well as analog applications. **Features:** 24-bit digital signal processing (DSP); Record and Cue functions; selectable auto mix-minus; selectable acoustic echo cancellation; selectable auto answer; integrated monitor amp with front-panel volume control; remote control via rear-panel connection; 3-band equalizer; adjustable compressor and downward expander; adjustable caller control (ducking).

DH30 **Mfr. List $1,795.00** **Call For BSW Price**



DH20/DH22 - Digital Telephone Hybrids

These two hybrids provide excellent sound and easy installation. With 16-bit technology, they deliver the deep and stable hybrid null ensuring maximum isolation between the send and caller audio. That means no echo and no "bottom of the barrel" sound. **Features:** 16-bit DSP digital technology ensuring the very best audio quality and the most reliable hybrid null; built-in speaker amplifier; mic or line input; selectable AGC (automatic gain control) ensures that every caller is at the same audio level; selectable caller ducking reduces the caller's audio level when the announcer is speaking; selectable auto answer/auto disconnect; remote control and status; accepts all worldwide voltages; balanced XLR I/Os.

DH20 single hybrid **Mfr. List $995.00** **Call For BSW Price**
DH22 dual hybrid **Mfr. List $1,595.00** **Call For BSW Price**

SPH10 - Analog Telephone Hybrid

The SPH10 from Gentner makes interfacing your audio equipment to a telephone line easier and more affordable. In broadcast applications, the SPH10 is perfect for talk shows, news and production. Gentner's exclusive audio filtering and equalization eliminates unwanted noise and hum while maximizing the intelligibility of caller audio. The SPH10 has caller-only and caller-plus send (mix) outputs for recording. **Features:** simple installation and operates on standard phone lines with RJ11C modular jack; balanced and unbalanced mix output for recording both sides of the conversation; built-in monitor amp allows hands-free monitoring of calls without a headset; front panel controls; balanced XLR I/Os.

SPH10 **Mfr. List $499.00** **Call For BSW Price**

GENTNER

TELEHYBRID - Telephone Hybrid

TeleHybrid turns your existing phone system into a "broadcast-ready" telephone system. TeleHybrid installs easily to any phone set (analog, digital, single, or multiple line) as long as the handset is detachable with a modular plug. Once connected to your studio phone, TeleHybrid will provide high quality digital nulling for full duplex audio without echo or feedback. Operation is simple: answer each call with the handset as you normally would. When you're ready to put the call on the air, just set the handset down on TeleHybrid's pressure sensitive keypad.

TELEHYBRID **Mfr. List $749.00** **Call For BSW Price**

HYBRID COUPLER - Phone Coupler

Here's a low-cost telephone coupler that provides both "Send" and "Caller" capabilities. This unit turns the two-wire telephone circuit into a four-wire system. It's a perfect match for the EFT100 or any time you need a connection to a telephone line.

HC **Mfr. List $199.00** **Call For BSW Price**

AUTO COUPLER - Automatic Phone Coupler

If you're looking for an automatic answering and disconnect hybrid coupler, the Auto Coupler is just what you need. It gives you both "Send" and "Caller" capabilities. Use this with the EFT100 or anytime you need an automatic answer and disconnect to a telephone line.

AUTOCOUPLER **Mfr. List $349.00** **Call For BSW Price**

TELESWITCH - Telephone Call Director

With TeleSwitch, up to 5 lines can be directly connected, placed on hold, and routed to a hybrid or telephone set. You can conference and even record callers with the press of a button. TeleSwitch will work with most business phone systems. Installation and operation is as simple as using a multi-line telephone. Control panel lights indicate whether the line is ringing, in use, on hold or available. Unit uses standard RJ11C telephone connectors.

TELESWITCH **Mfr. List $1,045.00** **Call For BSW Price**

* Non-inventory item subject to return restrictions.

Talent in...Caller out
it's that simple

You know us for our tough remote gear, now put our DSP knowledge to the test.

Our latest innovation, the Innkeeper 1 packs the quality and features of an expensive digital hybrid into an affordably priced unit. For example, Innkeeper 1 continuously adapts to the phone line during every call. We don't just tune to the phone line at the beginning of the call and then lock in to those line parameters. Our algorithm uses the actual transmit signal to identify network conditions. Within the first second of speech we've tuned and corrected to remove the transmit signal from the caller outputs. If the line characteristics change during the call, we adapt. We continue to adapt until there's no crosstalk. This approach allows the Innkeeper 1 to achieve stable performance over a variety of network conditions, typically exceeding 50dB of trans-hybrid loss. Perked your interest? If this is the type of performance you expect from a hybrid, you'll find it in the Innkeeper 1. Any other questions? We've got the answers...and the performance to back it up. For more information, **contact BSW at 1-800-426-8434.**

JK Audio

Remote Broadcast Gear

HENRY ENGINEERING

AUDIO ONLINE - Telephone Information System

This telephone information system is designed specifically for radio stations. It's perfect for "listener information" lines providing concert information, weather/ski/surf reports, school closings, road/traffic conditions, contest rules, etc. AUDIO ONLINE is caller-interactive; the caller can select from a menu of multiple messages. The system is fully automatic and operates unattended. The system consists of special multi-line telephone modem boards and software that runs on a regular DOS-based PC (user supplied). Messages are recorded on the computer's hard drive. An 80MB drive will store over 2 hours of messages. Up to 16 phone lines can be answered simultaneously with AUDIO ONLINE with hundreds of messages available to callers. A call counter tracks the number of times each message has played.

*Two-Line Version Starts At $995.00 Mfr. List Call For BSW Prices

DIGISTOR II - Digital Message Storage System

DigiStor II is a digital multi-message storage system that is ideally suited for telephone "information lines", e.g., concert, ski report, sports scores, etc. DigiStor II will store up to 8 minutes of monoaural audio with a bandwidth of 6.5 kHz for automatic playback via a regular telephone line. Up to 8 messages are stored in digital flash memory with no battery backup needed. Recording and playback is via local or remote control. DigiStor II can record from either a mic or line level source.

DIGISTORII Mfr. List $795.00 Call For BSW Price

MIXMINUS PLUS - Differential Summing Amplifier

MixMinus Plus is a differential summing amplifier designed to add a "Mix-Minus" output to a broadcast audio console. This output is typically used to feed the send input of a telephone hybrid device. MixMinus Plus subtracts the hybrid receive signal from the program output, creating a program mix, minus the receive audio. The null adjustment will provide 40 dB rejection of the receive audio signal (30 Hz - 3 kHz).

MIXMINUSPLUS Mfr. List $195.00 Call For BSW Price

INOVONICS

PBX - Remote Telephone Line Switcher

The PBX allows as many as 7 devices to share a single line for both incoming and outgoing calls. **Features:** up to 7 devices per unit – 2 or more PBXs can be daisy-chained to accommodate additional devices if needed; incoming calls are selectively routed to the proper extension with DTMF touch-tone commands; "priority channel" gains immediate access to the line (useful for alarms and signal problem notifications); easy installation.

*PBX000 Mfr. List $420.00 Call For BSW Price

JK AUDIO

INNKEEPER 1 - Digital Hybrid

The JK Audio Innkeeper 1 digital hybrid gets high-quality audio in and out of the telephone for talk radio. It connects audio signals to a standard analog telephone line without the variations in quality found with traditional analog hybrids. It is especially good at preventing transmit/receiver crosstalk. In the real world, when you send the radio host's voice down the telephone line, it has a tendency to bleed over into the caller's audio. The hybrid must adapt to the phone line in order to properly separate transmit and receive audio. The Innkeeper 1 uses a 16-bit digital signal processor to continuously monitor the phone line and audio signals to deliver better separation. The dual-convergence algorithm achieves superb trans-hybrid loss, typically exceeding 50 dB. **Features:** 16-bit DSP technology; proprietary auto null algorithm; auto answer/disconnect; front panel headphone jack; monitor speaker terminals on back; Voice Presence Compensation for richer caller audio; balanced XLR mic/line input; balanced XLR caller output; balanced XLR user defined output. **Options:** Guest Module 1 remote control keypad.

Innkeeper 1R is a rack mount model.

INNKEEPER1	Mfr. List $780.00	Call For BSW Price
INNKEEPER1R	Mfr. List $875.00	Call For BSW Price
GUESTMODULE1	Mfr. List $185.00	Call For BSW Price

THAT-1/THAT-2 - Telephone Handset Audio Tap

Connect THAT-1 or THAT-2 between your telephone and handset for quick access to audio in and out of the telephone. Works with analog, digital, PBX and ISDN telephones. THAT-1 features RCA I/Os. THAT-2 adds XLR I/Os and a handset type selector switch.

THAT1	Mfr. List $150.00	Call For BSW Price
THAT2	Mfr. List $225.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

MARTI

CELLCAST RBS-400 - Cellular Remote Broadcasting

Marti's Cellcast remote broadcasting system eliminates line-of-sight requirements, phone line access and antenna problems while reporting from the source. Portable and cost-effective, the Cellcast combines a frequency extender and mixer with all the convenience of cellular technology. **Features:** cellular or land line transmission; 4-channel mixer (mic or line selectable), for program or cue; runs off AC, internal battery or 12 V cigarette lighter adaptor; LCD display; 3 watt cellular transceiver; RJ11C - 6 pin land line connector; software selectable single line encoder; broadcast timer.

*CELLCAST RBS-400	Mfr. List $2,950.00	Call For BSW Price

RADIX

TLM500 - Telephone Line Mixer

This highly portable, battery powered mini-console can turn any modular telephone into a remote broadcast studio link or telephone interview control center. Simply plug the telephone handset cord into the TLM along with a studio quality microphone and headphones. The telephone is dialed normally and incoming calls can be answered. **Features:** mic and line inputs; low battery indicator; peak reading LED and headphone amplifier. AC adaptor available. Requires 6 AA batteries for portable use.

TLM500	Mfr. List $229.00	Call For BSW Price
TLM500PS	Mfr. List $14.95	Call For BSW Price

SOUND AMERICA

TAC/TAC+/RSVP - Telephone Couplers/Record & Send Phone

TAC and TAC+ are inserted between the handset and handset jack on the telephone. TAC provides a switch to match input levels and also a mute switch for the handset mic. TAC+ adds a momentary mic mute (cough) and selector switches for different input attenuation and impedance ranges.

RSVP is a standard telephone with a built-in audio coupler and an amplified electret condenser mic.

TAC		Mfr. List $99.00	Call For BSW Price
TAC+		Mfr. List $110.50	Call For BSW Price
RSVP	receive/send version	Mfr. List $156.00	Call For BSW Price
SVP	send-only version	Mfr. List $135.50	Call For BSW Price

TELOS

100 DELTA - Digital Hybrid

The advanced digital signal processing (DSP) in the Telos 100 Delta results in full-duplex, natural sounding conversation on even the most difficult phone lines. Plus, smart digital gain control and equalization offer increased caller intelligibility. The EQ examines the caller audio in three bands and automatically equalizes the high and low bands. Other digital processing components include logarithmic (dB) dynamics control, context sensitive output AGC, and feedback suppression for greater gain before feedback when monitoring callers through open speakers.

140	Mfr. List $1,780.00	Call For BSW Price

TELOS ONE/ONE PLUS ONE - Digital Telephone Hybrids

The Telos ONE is the perfect low-cost solution for any telephone interface application. It automatically adapts to each call and all processing is in the digital domain. **Features:** sophisticated AGC on input and output; an advanced downward expander on the caller audio; digital processing to reduce feedback when monitoring with open speakers; the inputs are switchable for mic or line level and two outputs are provided.

The Telos ONE plus ONE starts with two independent Telos ONE digital hybrids in a single rack-unit chassis. A unique internal mix-minus matrix cross couples the outputs of the two hybrids. In a dual hybrid application, you need send the Telos ONE plus ONE only a single mix-minus.

120-1	Telos One modem case	Mfr. List	$680.00
125	Telos One rack mount	Mfr. List	$880.00
150	Telos One Plus One	Mfr. List	$1,980.00

Call For BSW Prices

TELOS TWO - ISDN Telephone Hybrid

The Telos TWO ISDN hybrid offers amazing new ISDN capabilities for audio professionals. With the TWO, the first telephone hybrid that works with digital phone lines (BRI/U or S), users can exploit the ability of the ISDN network to cross-connect with POTS lines, eliminating the studio side of telco A/D-D/A conversion. You get pure digital caller audio, right from the central office – along with truly independent send and receive paths, lower noise and distortion, and caller ID functionality. Besides ISDN connectivity, TWO offers other important advantages: it contains two digital hybrids, so you can conference two callers internally, and all mixing and conferencing is done completely in the digital domain. AES/EBU as well as analog outputs give you maximum output flexibility. **Features:** 2 digital telephone hybrids; 20-bit A/D converter; automatic high-precision sample rate conversion; unmatched send/receive separation using Telos' Adaptive Cancellation technology; sophisticated AGC/limiting functions; caller ID and fully adjustable caller ducking; Ethernet and RS-232 ports; simultaneous AES/EBU and analog I/O.

TWO	Mfr. List $2,980.00	Call For BSW Price

GENTNER

TS612 V.2.5 - Multi-line Telephone System

The popular Gentner TS612 Version 2.5 multi-line telephone system makes it easy to manage call-in broadcast programming. The TS612 contains two digital hybrids that provide a high-quality interface to six telephone lines (expandable to twelve). The dual hybrids allow the TS612 to operate as a single-studio telephone system able to conference up to four callers simultaneously or as a two-studio system able to conference two callers to each studio. The TS612 supports a dedicated "phone-like" call-screening control surface. An off-air screener takes incoming calls and places them in a screened-hold queue. The on-air talent or producer presses the NEXT button on the main control surface and the call is immediately On-the-Air. The integrated mix-minus provides superior audio quality and easy installation. Automatic gain control (AGC) provides consistent audio levels on all calls. **Features:** Split-Caller mode brings the two hybrid outputs to the audio console independently; Split-Hybrid mode brings the two hybrid outputs to the console independently and returns your program mix to the TS612 on two separate channels; Previous-Hold places calls on hold automatically when you select another line; Two-Button Hold allows you to place a single call on hold when two or more lines are conferenced; 6 lines (expandable to 12); auto mix-minus; RS-232 control (enhanced); Aux I/O control (enhanced). **Options:** on-air screening software.

TS612-6	six line system	Mfr. List $3,149.00
TS612-12	twelve line system	Mfr. List $4,195.00
910003200	extra control surface	Mfr. List $489.00

Call For BSW Prices

TELOS

ONE-X-SIX - Multi-line Talk System

The ONE-x-Six has all of the telephone interface equipment needed for talk show programming. A single rack mount unit houses both a Telos ONE digital hybrid and a six-line, broadcast phone system which includes all of the most popular features found in Telos' Direct Interface Module. For system control, the ONE-x-Six is packaged with a desktop Switch Console (sold separately). Special function buttons on the Switch Console are used to automatically select the next caller, to control external recorders and delays, and to access several other unique features. Using your ONE-x-Six could not be easier. The Switch Console is used to place calls, put callers on the air or on hold, and to conference. A standard telephone set may be used for call screening. The ONE-x-Six is very easy to install – all six phone lines are connected using standard RJ-11C plugs and all audio connections are XLR.

Optional PC software compliments the ONE-x-Six. Two versions of Call Screen Manager are available. Host Software provides for a director position and any number of talent positions using a single PC. Remote Software allows communications between the studio and talent located at a remote site via modem. Call for more information.

235	One-x-Six six-line telephone system	Mfr. List $1,430.00
310	desktop switch console	Mfr. List $590.00

Call For BSW Prices

TELOS

TWOX12 - Digital Multi-Line Talk System

Even if you have noise-free digital telephone service at your station, keeping talk show audio clean and pure isn't easy. You've got to transform digital call-in lines to work with your old analog phone system. Wouldn't it be great to have a talk show system that connects directly with digital lines – without all the hassle of analog conversion? The solution is the TWOx12 Talk Show system from Telos – the world leader in broadcast telephone technology. The Telos TWOx12 brings ISDN clarity right into the studio, without any messy analog conversion. Just plug them in and you're done. The TWOx12 is the easiest, most efficient upgrade path from analog to digital. It's the only multi-line talk show system that you can use right now with your existing POTS lines, and upgrade for use with ISDN lines later. **Features:** single rack mount package includes two high-performance digital telephone hybrids and a 12-line broadcast phone system (Desktop Director) for high-quality conferencing between callers – and no need for any external equipment; unmatched send/receive separation using Advanced Adaptive Cancellation technology; hybrid automatically adjusts to phone line conditions, eliminating the hollowness, feedback and distortion that occurs when send audio "leaks" into the caller output signal; clear, user-friendly front panel meters and controls for unparalleled ease of setup; AGC/limiting functions plus three-band dynamic equalization ensure consistent caller audio levels and spectral consistency; studio-grade 20-bit A/D conversion, combined with noise gating and shaping, delivers crystal clear caller audio, even when using POTS lines.

Along with the digital hybrids, up to four Desktop Directors (12-line broadcast phone system) can be used with the TWOx12 to maximize flexibility and control. **Features:** intuitive, "quick read" status symbols make line selection easier than ever; hosts receive immediate information about line availability, on-hold and ready-for-air queue status; Busy All function lets talent clear contest lines with just the touch of a button; simultaneous baseband analog and AES/EBU outputs; automatic high-precision sample rate conversion for send to caller input; caller ID support and fully adjustable caller ducking helps hosts stay in control; built-in Ethernet connection for remote control and easy software upgrades.

For even more control, add optional Windows®-based Assistant Producer call screening software to facilitate instant producer/host communication via LAN or WAN.

Even if you don't have ISDN in your studio yet, the TWOx12 gets you ready for the future. Start with POTS inputs and upgrade to ISDN inputs later, whenever you're ready. Call BSW today for more information on this advanced digital talk show system.

TWOX12ISDN	Mfr. List $4,980.00	Call For BSW Price
TWOX12POTS	Mfr. List $4,180.00	Call For BSW Price
TWOX12DD	Mfr. List $1,180.00	Call For BSW Price
TWOX12ISDNCARD	Mfr. List $480.00	Call For BSW Price
TWOX12POTSCARD	Mfr. List $280.00	Call For BSW Price

* Non-inventory item subject to return restrictions.

TALK DIGITAL TO ME

The advantages of ISDN are clear: Faster set-up, intelligent call handling and the superior performance of ISDN audio. And now Telos Systems brings the benefits of ISDN to the talk show environment.

The TWOx12 digital talk show system plugs right into ISDN BRI phone lines. Your callers sound louder and cleaner with the isolation performance that only a true four-wire system can deliver. And if you don't have ISDN in your studio yet, the TWOx12 lets you start with POTS and upgrade to ISDN whenever you're ready.

As easy as picking up the phone. Call management is fast and efficient with our new Desktop Director, a fully integrated telephone and switch console. Intuitive, user-friendly operation is enhanced by the exclusive Status Symbols,™ graphical icons that convey line and caller status at a glance.

And finally, a real breakthrough in telephone technology. Up to 12 callers can be routed to the two all-digital hybrids. Self-contained, easy-to-install and maintain, the TWOx12 simplifies even the most complex talk shows.

Ready to talk digital? For more information, call BSW at 1-800-426-8434.

Telos SYSTEMS

2101 SUPERIOR AVENUE CLEVELAND, OH 44114 USA
TELOS SYSTEMS EUROPE JOHANNISTR 6 D 85354 FREISING GERMANY

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BSW Advantage Partner

BIRD

Test Equipment

Now in its fifth decade of serving the broadcast industry, Bird Electronic Corporation has been the pioneer in developing products for measurement, filtering and termination of RF power. Originally developed in response to specific design requirements of broadcast equipment manufacturers, Bird Electronic's products have since become standards of the industry.

*Call BSW With Your Requirements

DENON

C39-7147 - Audio Technical CD

Contains 99 tracks of various test tones, measurement signals and source material for sound quality evaluation. Recorded, mastered and transferred with Denon's own PCM Digital Technology

CDTEST Mfr. List $39.95 Call For BSW Price

CONEX

TONEJACK - Audio Frequency Generator

The Conex RX11 is a very compact audio frequency generator providing sine and square-wave signals with very accurate frequencies from 1 Hz to 29,999 Hz. It is useful in testing the response of systems, filters, tone sensors, etc. Log sweep from 50 Hz to 20 kHz with 50 steps. Compact 3" x 5" package.

TONEJACK Mfr. List $229.00 Call For BSW Price

DELTA

RF Test Equipment

Delta provides the critical test equipment required by consulting and station engineers such as an impedance measuring system comprised of the OIB-3 Operating Impedance Bridge and the RG-4 Receiver/Generator for measuring operating impedances of antennas, networks, transmission line sections and the common point of directional antenna systems.

Delta also offers the TCA line of RF ammeters, the TCT series of transformers and many other related accessories.

*Call BSW With Your Requirements

DELTA

SNG1 - Stereo Noise Generator

The SNG1 offers "laboratory" type features and noise weightings in an affordable and compact package. **Features:** true balanced front and rear panel outputs; selectable white, pink and USASI noise spectra; generates true stereo noise; low DC offset; close channel tracking (>0.5 dB); input offers unlimited noise envelopes; outputs drive either 600 or 50 ohms.

*SNG1 Mfr. List $720.00 Call For BSW Price

DORROUGH

1200 - Audio Test Set

With the 1200 you can take stereo measurements of level, balance, cross-talk and signal-to-noise over the entire dynamic range of your audio system from noise floor to clipping. The set includes a pair of input amplifiers, a 30 dB step precision attenuator, two "B" scale VU meters (measured in 1 dB increments over a 40 dB range) and two buffered monitor outputs.

*1200 Mfr. List $1,650.00 Call For BSW Price

EBTECH

SWIZZ ARMY - Audio Tester

With a comprehensive connection set that includes XLR, 1/4", RCA, 1/8", TT and MIDI connectors, the Swizz Army can be used to tell the exact wiring of any cable or adaptor. The device clearly shows continuity, opens and shorts, even intermittent shorts! It also features test tone generation, phantom power detect and grounded XLR shield detect. Runs on 2 AA batteries.

SWIZZARMY Mfr. List $149.00 Call For BSW Price

FOSTEX

TT15 - Test Tone Oscillator

TT15 is a battery operated, low distortion sine wave oscillator with five selectable frequencies (40 Hz, 400 Hz, 1 kHz, 10 kHz, and 15 kHz) and three selectable output levels (-30 dB, -10 dB and 0 dB). Useful for spot checking frequency response, calibrating mixers with tape recorders and other level matching jobs. RCA output jack.

TT15 Mfr. List $60.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

GOLD LINE

ASA10B - Audio Spectrum Analyzer

ASA10B is an affordable, professional-quality 10-octave analyzer covering a wide frequency range, and featuring a built-in mic. **Features:** IEC A or C weighting; freeze display function; battery or external powering; selectable decay function.

ASA10B		Mfr. List $299.00	Call For BSW Price
PN2	Pink Noise Generator	Mfr. List $123.75	Call For BSW Price

DSP30 - Digital Portable RTA

The DSP30 series RTAs from Gold Line offer cutting edge technology and convenience at an affordable price. There are two models to choose from.

The DSP30 is a portable unit in a high-impact strength ABS case. The DSP30RM is a rack mounted version. **Features:** an 85dB window which is not limited by the display; automatic sum and average functions; scales from .25 to 5 dB; adjustable filters for triple tuned or sharper; SPL and weighted curves (Flat, "A", "C", or user defined); 6 active memories expandable to 30 with optional EEPROM and a 600 ohm, differential balanced, condenser microphone. Goldline offers a host of options to customize your DSP system to your liking, just give us a call for detailed information. DSP30 models require optional pink noise source such as PN2 or PN3.

*DSP30	Mfr. List $1,625.00	Call For BSW Price
*DSP30RM	Mfr. List $1,900.00	Call For BSW Price

GL1K - Microphone Input Tester

The GL1K is a microphone input tester consisting of tone generation and phantom power detector built into a standard 3-pin XLR male connector. When inserted into a microphone input connector, the LED indicator will light showing that there is a phantom power voltage present. If a voltage is present, a 1 kHz tone will be sent into the microphone input.

GL1K	Mfr. List $39.95	Call For BSW Price

GOLD LINE

PN2/PN3A - Pink Noise Generators

Gold Line's PN2 generates continuous pink noise and is powered by a 9v battery. Output is unbalanced 620 ohms with a 1/4" jack. The 9v battery-powered PN3 generates pink noise in continuous or burst format. RT60 burst is 11 seconds STA (loudspeaker timing); pulse is 9 milliseconds.

PN2	Mfr. List $123.75	Call For BSW Price
PN3A	Mfr. List $167.00	Call For BSW Price

TS1/TS2 - Audio Test Sets

The TS1 provides a combination of three precision test instruments and is capable of making audio frequency tests and measurements with a high degree of accuracy and in less time than conventional test instruments. The TS1 combines a low distortion oscillator, a frequency counter, and a dB meter in a compact unit complete with AC power supply. Limited 2-year warranty.

TS2 adds an impedance meter.

TS1	Mfr. List $429.95	Call For BSW Price
TS2	Mfr. List $589.00	Call For BSW Price

HOSA

CBT277 - Audio Tester

The CBT-277 cable tester by Hosa is a high-quality junction box with connections for Neutrik Speakon, XLR, 1/4-inch phone, RCA, and dual banana, along with a comprehensive set of buttons and LED indicators that not only tell you if a cable is wired incorrectly, but will actually differentiate between shorts, ground faults and phase mis-wirings. This is truly an indispensable tool for the audio professional.

CBT277	Mfr. List $99.95	Call For BSW Price

* Non-inventory item subject to return restrictions.

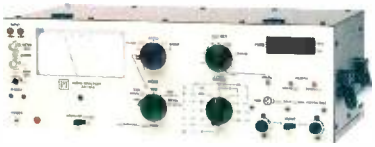
NEUTRIK

MR1 - Audio Tester

Neutrik Minirator MR1 provides a comprehensive set of audio signals for performance checking, maintenance and repairs. The battery-powered instrument features low distortion Sine Wave 20 Hz to 20 kHz, white/pink noise, square wave, polarity test and more.

MR1 Mfr. List $174.00 Call For BSW Price

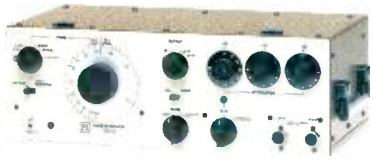
POTOMAC



AA-51A - Audio Analyzer

The AA-51A is a multipurpose, precision audio analyzer designed specifically to enable the measurement of critical audio parameters in terrestrial broadcast transmitter facilities. This instrument measures audio level, total harmonic distortion, intermodulation distortion, frequency response, wow and flutter, stereo signal phasing, left channel/right channel amplitude ratio and frequency. The AA-51A exhibits excellent RF shielding.

*AA51A Mfr. List $4,145.00 Call For BSW Price



AG-51 - Stereo Audio Generator

The AG51 produces low distortion sine wave signals from 20 Hz to 200 kHz, a 3.15 kHz fixed frequency wow and flutter test signal and an intermodulation test signal of 60 Hz and 7 kHz at a 4:1 ratio. Output signals are simultaneously available at levels of up to +20 dBm at separate LEFT and RIGHT output ports. Outputs may be selected for left only, right only, left and right in phase (L+R), or left with right in 180° opposition (L-R). Outputs are balanced (or unbalanced) at a source impedance of 600 ohms (or 150 ohms).

*AG51 Mfr. List $3,820.00 Call For BSW Price

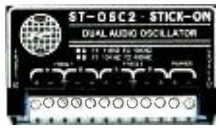
RDL

RU-OSC4A - Sequencing Audio Oscillator

This device features 4 separate oscillators set at 100 Hz, 1 kHz, 7.5 kHz and 15 kHz. Tones sequence through, holding on each for a user-selectable period from 3 to 30 seconds with a silent period between the 15 kHz and 100 Hz tones. A hold button allows the user to manually hold a tone indefinitely until the hold button in pushed again. Continuing to push the hold button selects the next frequency for fully manual operation. Output connections are made via barrier block terminals.

RUOSC4A Mfr. List $263.00 Call For BSW Price

RDL



ST-OSC2 A&B - Dual Audio Oscillators

From the popular Stick-On Series come these handy oscillators that can be mounted in a variety of ways to best suit your application. Both models provide separate left and right audio signals and are powered via an external 24 vdc power supply. The ST-OSC2A provides 1 kHz and 10 kHz tones. The ST-OSC2B provides 100 Hz and 400 Hz.

STOSC2A Mfr. List $101.00 Call For BSW Price
STOSC2B Mfr. List $101.00 Call For BSW Price

WHIRLWIND

QBOX - Audio Line Tester

Send a tone or signal over any XLR line. In one battery-powered unit, you have a microphone, a speaker, a test tone generator, outputs for standard headphones, a 1/4" jack for line in and voltage presence LEDs for confirming phantom or intercom power.

Qbox Mfr. List $199.95 Call For BSW Price

TESTER - Cable Tester

Check for shorts and bad connections easily with the Whirlwind cable tester. Accommodates XLR, 1/4" and phono plugs. 9-volt battery required. Easily fits in your tool box.

TESTER Mfr. List $109.95 Call For BSW Price

AMERICAN RECORDER TECHNOLOGY

CO-2 - Dust and Particle Remover

The CO-2 is the world's smallest cleaner for removing dust and particles from all audio equipment. The CO-2 uses a special dispenser with a 12-gram cartridge of high-velocity, pure carbon dioxide gas, having six times the power of regular aerosols. The empty cartridge can be recycled and additional replacement cartridges are economically priced.

CO2 Mfr. List $20.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

TECHNICS

SL1200MKII - 2-Speed Turntable

The industry's most popular turntable is – without a doubt – the Technics SL1200MKII. Two-speed, quartz accurate with fast start-up time, it's the perfect addition to your control room. For production, the pitch change adjustment of ±8% comes in handy. The SL1200MKII includes base, dust cover and tonearm.

SL1200MKII Mfr. List $699.95 Call For BSW Price

STANTON

Stanton has always been known as a quality leader in the DJ and broadcast markets. The 500All may be the most popular of all broadcast cartridges for its durability and spherical tip that make it suitable for back-cueing. Tracking pressure is for 2-5 grams. The 500EL is basically the same but with an elliptical tip. The 500EMKII tracks at 1-2 grams with an elliptical tip. The 680 series is for studio work with less back-cueing and greater fidelity. Both track at 2-5 grams. The 680AL is spherical, the 680ELMKII is elliptical.

Cartridge		Replacement Styli	
Model	Mfr. List	Model	Mfr. List
500ALII	$50.00	D5107AL	$26.00
500EL	$53.00	D5100EL	$28.00
500EMKII	$49.00	D50EMKII	$22.00
680AL	$125.00	D6800AL	$52.00
680ELMKII	$100.00	D6800EEEMKIII	$120.00

Call For BSW Prices

SHURE

Shure cartridges offer reliability and excellent sound reproduction. All three models feature a spherical diamond stylus (0.7 mil) with a large-diameter stylus assembly. Tracking force specs are as follows: M44GX .75 to 1.5 grams; M447X 1.5 to 3 grams; SS35C 4 to 5 grams.

Cartridge		Replacement Styli	
Model	Mfr. List	Model	Mfr. List
M44G	$100.00	N44GX	$47.00
M447	$115.00	N447X	$55.00
SC35C	$60.00	SS35C	$31.00

Call For BSW Prices

ATI

P100S - Turntable Preamp

This preamp offers state-of-the-art specs in a cost-effective enclosure. Quality components allow the P100S to achieve a 90 dB signal-to-noise ratio; channel separation of 60 dB; minimum distortion 0.1%.

P100S Mfr. List $349.00 Call For BSW Price

RANE

PS1 - Turntable Preamp

The PS1 uses high-quality, audio grade components for a pristine audio path. **Features:** switchable cartridge loading capacitors; 0.1 dB RIAA accuracy; balanced high-current line drivers; RCA outputs.

PS1RANE Mfr. List $229.00 Call For BSW Price

RDL

ST-PH1 - Turntable Preamp

The ST-PH1 provides accurate, low-noise preamplification at a very reasonable cost. **Features:** balanced and unbalanced, high and low-z outputs with level controls for left and right output; total harmonic distortion from 10 Hz to 30 kHz is <0.03% with hi-z load and <0.015% with 600 ohm load; equalization follows RIAA curve; small enough to stick on the back of your turntable base.

STPH1 Mfr. List $126.900 Call For BSW Price

ROLLS

VP29 - Turntable Preamp

The VP29 is used to amplify an RIAA equalized signal from a turntable to line level and standard equalization. **Features:** RCA inputs/outputs; 1/4" TRS output; adaptor included in U.S. models.

VP29 Mfr. List $76.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

WIRE SELECTION GUIDE

BSW can supply you with wire for virtually any audio or broadcast RF application. Below is a list of common wires for professional audio. Custom lengths are available in some cases. Contact a BSW sales representative for details. **Note: all wire is considered non-stock with return restrictions.**

Call for pricing on the lengths you require.

Microphone

Part Number	Description	Mfr.
8412	20 AWG 2-conductor, stranded, 30 pF/ft.	Belden
1192A	24 AWG, star quad, low noise, 39 pF/ft.	Belden
1172A	26 AWG, smaller star quad, 50 pF/ft.	Belden
1804A	28 AWG miniature star quad, 40 pF/ft.	Belden
MP1022	24 AWG 2-conductor stranded, 26 pF/ft.	Gepco
MP1201	24 AWG star quad, 39.2 pF/ft.	Gepco
5522M	22 AWG, extra flexible digital/analog, 15 pF/ft.	Gepco
533	22 AWG 2-conductor stranded, 25 pF/ft.	W. Penn
534	22 AWG 4-conductor stranded, 42 pF/ft.	W. Penn

General Audio Single Pair

Part Number	Description	Mfr.
8451	22 AWG traditional install, 34 pF/ft.	Belden
9451	22 AWG fast install bonded shield, 34 pF/ft.	Belden
5500FE	22 AWG contractor-grade install	Belden
61801	22 AWG standard install, 46 pF/ft.	Gepco
61801EZ	22 AWG quick-install,bonded shield, 53 pF/ft.	Gepco
291	22 AWG standard install, 55 pF/ft.	W. Penn

General Audio Dual Pair

Part Number	Description	Mfr.
8723	22 AWG dual pairs, individual foil. 35 pF/ft.	Belden
1504A	22 AWG zip-style, individual jacket, 57 pF/ft.	Belden
D61801EZGF	22 AWG zip-style, very flexible, 53 pF/ft.	Gepco
2452	24 AWG zip-style, 34 pF/ft.	W. Penn

AES / EBU Digital Audio Single Pair

Part Number	Description	Mfr.
1800B	24 AWG install-grade, 13pF/ft.	Belden
1800F	24 AWG ultr-flex, patch cable-style, 13 pF/ft.	Belden
1801A	24 AWG install-grade, plenum, 13pF/ft.	Belden
5524EZ	24 AWG bonded foil shield, 25 pF/ft.	Gepco
5526	26 AWG digital audio patch cable, 23 pF/ft.	Gepco

AES / EBU Digital Audio Dual Pair

Part Number	Description	Mfr.
1802A	24 AWG dual pair, zip-style, 13 pF/ft.	Belden
D5524EZ	24 AWG dual pair, zip-style 13 pF/ft.	Gepco

Digital/LAN

Part Number	Description	Mfr.
1583A	4-pair, Category 5	Belden
1700A	4-pair, enhanced Category 5	Belden
1752A	4-pair, enhanced Category 5 stranded	Belden
1872A	4-pair, MediaTwist data/audio/video etc.	Belden
WP54568	4-pair category 5, solid	W. Penn
WP54998	4-pair category 5, plenum, solid	W. Penn
WP54782	4-pair category 5, plenum, solid, shielded	W. Penn
WP54783	4-pair category, solid shielded	W. Penn

Speaker

Part Number	Description	Mfr.
9716	16 AWG zip-style	Belden
9717	14 AWG zip-style	Belden

Speaker (continued)

Part Number	Description	Mfr.
9718	12 AWG zip-style	Belden
5000UE	12 AWG contractor-grade, jacketed pair	Belden
5100UE	14 AWG contractor-grade, jacketed pair	Belden
GSC1020FC	10 AWG Stranded (413 x 36)	Gepco
GSC1220FC	12 AWG Stranded (259 x 36)	Gepco

Multipair Audio Analog

Part Number	Description	Mfr.
1908A	24 AWG 8-pair superflex, 26 pF/ft.	Belden
1916A	24 AWG 16-pair superflex, 26 pF/ft.	Belden
1924A	24 AWG 24-pair superflex, 26 pF/ft.	Belden
GA61808	22 AWG 8-pair, numbered, 26 pF/ft.	Gepco
GA61812	22 AWG 12-pair, numbered, 26 pF/ft.	Gepco
GA61816	22 AWG 16-pair, numbered, 26 pF/ft.	Gepco
GA61826	22 AWG 26-pair, numbered, 26 pF/ft.	Gepco
WP45412	22 AWG 12-pair indiv. jacketed, 34 pF/ft.	W. Penn
WP45416	22 AWG 16-pair indiv. jacketed, 34 pF/ft.	W. Penn
WP45424	22 AWG 24-indiv. jacketed, 34 pF/ft.	W. Penn

Multipair Audio Digital

Part Number	Description	Mfr.
1805B	22 AWG 12 Pair Numbered	Belden
552604GFC	26 AWG 4-pair 110 ohm, 13.5 pF/ft.	Gepco
552608GFC	26 AWG 8-pair 110 ohm, 13.5 pF/ft.	Gepco

RF 50 ohm

Part Number	Description	Mfr.
8259	Standard RG58A/U	Belden
8267	RG213/U mil spec	Belden
8268	RG 214/U mil spec	Belden
9310	RG59A/U w/ foil shield	Belden
9913	low loss RG8-type	Belden
9913F	high flex 9913	Belden
7713	RG213/U mil spec	Gepco
7714GEPCO	RG 214/U mil spec	Gepco
3240	RG8/U-type	Gepco
810	RG8-type	W. Penn
812	RG58A/U-type	W. Penn

RF 75 ohm

Part Number	Description	Mfr.
8241	RG59/U	Belden
88241	RG59/U plenum	Belden
9248	RG6/U	Belden
89248	RG6/U plenum	Belden
9292	RG11/U	Belden
89292	RG11/U plenum	Belden
5573	RG59/U	Gepco
5726	RG6/U	Gepco
5913	RG11/U	Gepco
801	RG11/U	W. Penn
804	RG59/U	W. Penn
841	RG6/U	W. Penn

* Non-inventory item subject to return restrictions.

HOSA

BSW can supply you with cables and connectors for virtually any audio or broadcast RF application. Below is a list of common cables for professional audio. Call us for pricing and more information on the cables you need.

Audio Cables

Sturdy pre-molded cables carry lifetime warranty against failure due to manufacturer defect.

CRA105	RCA - RCA, 5 ft.	Mfr. List $4.25
CRA110	RCA - RCA, 10 ft.	Mfr. List $5.50

CPR105	RCA - 1/4", 5 ft.	Mfr. List $4.50
CPR110	RCA - 1/4", 10 ft.	Mfr. List $6.00

CPP105	1/4" - 1/4", 5 ft.	Mfr. List $4.75
CPP110	1/4" - 1/4", 10 ft.	Mfr. List $6.25

CSS105	1/4" stereo - 1/4" stereo, 5 ft.	Mfr. List $7.00
CSS110	1/4" stereo - 1/4" stereo, 10 ft.	Mfr. List $8.00

PXF105	1/4" mono - XLR (F), 5 ft.	Mfr. List $12.00
PXF110	1/4" mono - XLR (F), 10 ft.	Mfr. List $13.00
PXM105	1/4" mono - XLR (M), 5 ft.	Mfr. List $11.00
PXM110	1/4" mono - XLR (M), 10 ft.	Mfr. List $12.00

XRF105	XLR (F) - RCA, 5 ft.	Mfr. List $11.00
XRM105	XLR (M) - RCA, 5 ft.	Mfr. List $10.50

STX105M	XLR (M) - 1/4" TRS, 5 ft.	Mfr. List $12.50
STX105F	XLR (F) - 1/4" TRS, 5 ft.	Mfr. List $13.00

CRA202	Dual RCA - RCA, 6.6'	Mfr. List $7.50
CRA203	Dual RCA - RCA, 9.9'	Mfr. List $9.00
CPR202	Dual RCA - 1/4", 6.6'	Mfr. List $8.00
CPR203	Dual RCA - 1/4", 9.9'	Mfr. List $9.50

CPP202	Dual 1/4" - 1/4", 6.6'	Mfr. List $8.50
CPP203	Dual 1/4" - 1/4", 9.9'	Mfr. List $10.50

YPP117	1/4" TRS - 1/4" female tip and ring	Mfr. List $7.00
YPR102	1/4" TRS - RCA female tip and ring	Mfr. List $4.75

HOSA

Hosa has a complete line of multichannel snakes that are perfect for interfacing your outboard recording gear to consoles, etc. Eight color coded, low-capacitance leads are bundled into a single, tough rubber jacket. Available in virtually any combination of RCA, 1/4", XLR and TRS in lengths from 6.6' to 23.1'. Also available with ends for ADAT, Tascam, Fostex, Yamaha and other popular recorder interfaces.

***Price Based On Configuration** **Call For BSW Prices**

Adaptors

Stock up your toolbox so you're never caught unprepared. Lifetime warranty against failure due to manufacturer defect on all adaptors.

GPR101	1/4" male - RCA female	Mfr. List $4.00

GPP105	1/4" female - 1/4" female	Mfr. List $4.50

GRA101	RCA female - RCA female	Mfr. List $3.50

GXX145	XLR female - XLR female	Mfr. List $16.00

GXX144	XLR male - XLR male	Mfr. List $13.00

GXF132	RCA female - XLR female	Mfr. List $14.00

GXM133	RCA female - XLR male	Mfr. List $13.00

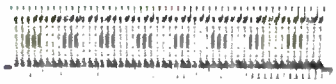
GXJ235	1/4" female - XLR female	Mfr. List $14.00

GXJ183	1/4" female - XLR male	Mfr. List $14.25

GXX195	XLR female - XLR male phase reversed	Mfr. List $13.00
GLT255	XLR female - XLR male ground lifted	Mfr. List $13.00

* Non-inventory item subject to return restrictions.

CONNECTORS/PUNCH BLOCK



Connectors/Punch Block

Don't forget the connectors! BSW has the connectors you need to finish any job. Listed below are common types as well as standard punch block. If you don't see what you're looking for, just ask.

SWITCHCRAFT A3F	XLR female	Mfr. List	$4.55/ea.
SWITCHCRAFT A3M	XLR male	Mfr. List	$4.55/ea.
SWITCHCRAFT 280	1/4" mono phone male	Mfr. List	$4.05/ea.
SWITCHCRAFT 190	1/4" TRS male	Mfr. List	$6.95/ea.
SWITCHCRAFT 780	1/8" mini male	Mfr. List	$4.96/ea.
NEUTRIK NC3FX	XLR female	Mfr. List	$4.34/ea.
NEUTRIK NC3MX	XLR male	Mfr. List	$4.08/ea.
66B350	standard punch block	Mfr. List	$24.00
BCLIP	bridge clips	Mfr. List	4¢ ea.

Call For BSW Prices

CONNECTRONICS

BODGE PLUGS - Emergency Audio Connectors

No tool kit is complete without a set of Bodge Plugs. Each plug has either two or three color-coded, spring loaded, quick connect terminals. By pushing the end of the terminal a slot is opened to receive and hold securely a bare wire or test probe. 45 different adaptor cables can be quickly made in the field without the need of soldering.

BODGEFAM Mfr. List $314.29 Call For BSW Price

CONNECTWORKS

YC40 - Unidapt Universal Adaptor Kit

The YC40 allows you to mix and match any male or female adaptor section with any other SMA, N, UHF, BNC, TNC, F, RCA or mini UHF section. Simply choose the two common connector ends you need, and screw them together with the universal adaptor.

YC40 Mfr. List $150.80 Call For BSW Price

ART

SNAKE - Wire And Cable Cover

This unique product makes an excellent covering for bundles of wire or cables. When your wires are tucked inside the Snakeskin they become a single audio "snake" cable that is easy to manage, providing a sleek, clean appearance. The wraparound design provides 100% coverage that holds wires snugly in place. Wires can be covered with or without ends attached and can be branched out at any point along the snake. Since Snakeskin is expandable, you can add wires to your bundle at any time. Choose 1/2" or 1" styles for your particular application.

SKIN058B	1/2" Snakeskin, 8' section	Mfr. List $16.00	Call For BSW Price
SKIN108B	1" Snakeskin 8' section	Mfr. List $20.00	Call For BSW Price

HOSA

WTI SERIES - Wire Ties

Keep wires and cables organized with Hosa ties. WTI-148G is a velcro reusable tie for mic cables and the WTI-173 is a 10" heavy-duty permanent wire tie.

WTI148G	pack of 5 velcro ties	Mfr. List $5.50	Call For BSW Price
WTI173	pack of 20 cinch ties	Mfr. List $6.00	Call For BSW Price

WHD410

Dress up multiple cable run. This 1" black flexible tubing is slit longitudinally to allow cables to enter or exit anywhere along its length. 10' lengths can be easily cut.

WHD410 Mfr. List $18.00 Call For BSW Price

* Non-inventory item subject to return restrictions.

1. Phone Toll-Free (800) 426-8434
2. Fax Toll-Free (800) 231-7055
3. Visit our Website: http://www.bswusa.com
4. Photocopy this order form, fill out, and mail.

Billing Address:

Call Letters/Co. Name _____
Address _____
_____
City_____State_____Zip_____
Phone #(___)_____Fax #(___)_____
Attn:_____

Shipping Address: (Street address required)

Call Letters/Co. Name _____
Address _____
_____
City_____State_____Zip_____
Phone #(___)_____Fax #(___)_____
Attn:_____

QTY	MODEL #	DESCRIPTION	PRICE*	EXTENSION

Prices confirmed by BSW Sales Representative_____
Date_____

SUBTOTAL_____

Please indicate desired method of shipping:
_____UPS Surface_____Federal Express Economy (2 day)
_____Federal Express Overnight_____Other (specify)_____

****SHIPPING/HANDLING**_____

TOTAL_____

Please indicate method of payment:
_____Visa_____MasterCard_____Discover Card_____American Express_____Money Order_____Company Check
_____Personal Check_____Open Account/Net 30*

Credit Card Acct Number_____
Expiration Date_____
Name Imprinted on Card_____

Card Billing Address_____
_____
City_____State_____Zip_____

*Net 30 day billing offered to accounts on approved credit. (See pages 174 for credit application) **Shipping charges are based on actual shipping weights; please call for price quote if paying in advance. Shipping charges will be added to credit card if provided. All prices are subject to verification and change. A BSW representative will phone you for complete confirmation prior to shipping product. Personal checks gladly accepted, subject to Tele-Check approval. All returns are subject to approval. Please call for a return authorization number. In some cases a restocking charge may apply.

* Non-inventory item subject to return restrictions.

Credit Application

BSW
BROADCAST SUPPLY WORLDWIDE
7012 27th Street West
Tacoma, Washington 98466

Toll-Free Phone (800) 426-8434
Toll-Free Fax (800) 231-7055
Worldwide Phone (253) 565-2301
Worldwide Fax (253) 565-8114
Website http://www.bswusa.com

Applicant/Lessee (Important: list name of legal entity)

Legal Name and Trade Name		Date

Contact Person	Title	Telephone #
General Manager	President	Fax #

Nature of Business/Call Letters	# of Years In Business	Type of Business (Circle One) Proprietorship Partnership Corporation Government

Parent Company

Name	Corp. Bookkeeper	Telephone #

Owner's Name	Address	Phone

Bank References

Name of Bank/Branch	Telephone #	Acct. # (checking)
Account Manager	Fax #	Acct. # (savings/money market)
Name of Bank/Branch	Telephone #	Acct. # (checking)
Account Manager	Fax #	Acct. # (savings/money market)

Trade References

Company Name	City, State	Telephone # Fax #	Account #
Company Name	City, State	Telephone # Fax #	Account #
Company Name	City, State	Telephone # Fax #	Account #

Conditions of Sale:

1. All invoices from Broadcast Supply Worldwide will be paid within Net 30 days unless otherwise stated on your invoice.
2. Any discrepancies in billing or problems with defective or damaged equipment must be reported within 48 hours of receipt.
3. All shipments are F.O.B. point of origin unless stated otherwise on your invoice.
4. A finance charge of 18% per year or 1.5% per month will be charged on any unpaid balance that exceeds terms stated on your invoice.
5. All collection agency or attorney fees will be paid by the buyer.
6. Suitability of products for intended use is the sole responsibility of the customer.

Corporate Officer's Signature *

Print Name and Title

Date

*An authorized signature by a corporate officer constitutes an agreement with Broadcast Supply Worldwide to comply with all the terms stated for condition of sale on an open account credit basis. It also grants permission to verify information on this agreement.

* Non-inventory item subject to return restrictions.

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