Hello and Welcome to Broadcast Supply Worldwide.
Since 1973, BSW has been supplying audio equipment to broadcasters, educational institutions, recording studios, sound contractors, government agencies and individuals.

Our knowledgeable sales representatives have real-world broadcast and studio engineering experience to offer expert help with your equipment purchase. Our comprehensive inventory, representing over 200 manufacturers, is on-site so we can quickly turn around your order. Best of all, we offer lower prices on all audio and broadcast equipment.

Count on BSW, the industry's full-service broadcast supplier for 25 years.

Important Note About 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 160-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.

A comprehensive product index is located on page 160.

Ordering By Telephone, Fax, E-mail or Internet

Call us toll-free at 1-800-426-8434 from anywhere in the United States, Puerto Rico, US Virgin Islands and Canada. International customers please call 253-565-2301. Sales representatives are on duty 6 am to 6 pm Pacific Standard Time, Monday through Friday.

You may fax us toll-free (800-231-7055) or e-mail us (sales@bswusa.com) and a sales representative will contact you to confirm your order. International customers please fax to 253-565-8114. As a convenience, we have provided an order form on page 158 that you may photocopy and fax to us.

Or visit our website at http://www.bswusa.com.

We Offer Flexible Payment Terms

To qualified domestic business and educational customers, an open account, net 30-day billing, is available with approved credit. For your convenience, a credit application is provided on page 159. We also accept Visa, Mastercard, American Express and Discover. Personal checks may be accepted for up to $1000 with TeleCheck approval. COD is available under certain circumstances; check with your sales representative for further details.

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 drop shipped directly from the manufacturer at our discretion. We offer a variety of shipping options and carriers to save you money and time.

Need Complete Product Specifications?

Complete product specifications are available upon request. We are happy to fax you additional product information as we cannot possibly include all product information in each catalog listing. Specifications should be verified prior to ordering, as they do change without notice.

International Customers Welcome

BSW offers international customers a number of payment options:

1. Prepayment via Checks/Cash/Cashier's Check. Please have funds in US dollars and checks drawn on a US bank.
2. Payment via Letter of Credit.
3. Payment via Visa, Mastercard, American Express or Discover.
4. Payment via Wire Transfer. Interbank wire services (such as SWIFT) are the preferred option of payment. Please contact a BSW International representative for information on all purchasing options and particulars.

Here's the Fine Print

Net 30 day billing offered to accounts on approved credit. Shipping charges are based on actual shipping weights so please call for price quotes if paying in advance. Shipping charges will be added to credit card if provided. All prices and products are subject to verification and change. Not responsible for typographical errors. All returns are subject to approval. Please call for a return authorization number. In some cases a restocking charge may apply. BSW ships FOB Point of Origin unless other arrangements are made and approved in advance. Suitability of products for intended use is the sole responsibility of the customer. All factory warranties apply. Service and repair must be completed at designated factory repair centers. BSW will not be responsible for any damage resulting from the equipment we provide.
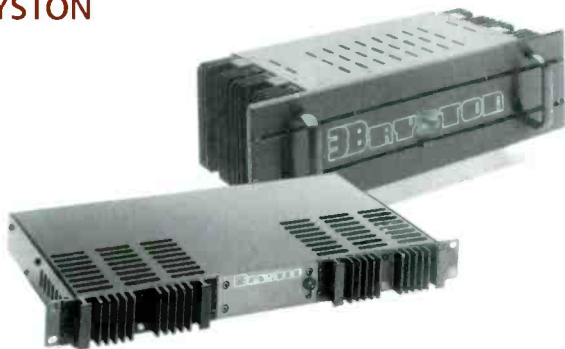
ALESIS

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 $349.00	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	$850.00
3BST	120 watts/chan. @ 8 ohms	Mfr. List	$1,565.00
4BST	250 watts/chan. @ 8 ohms	Mfr. List	$2,265.00

Call For BSW Prices

CROWN

D75A/D45 - 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.

D75A	40 watts/chan. @ 8Ω	Mfr. List $625.00	Call For BSW Price
D45	25 watts/chan. @ 8Ω	Mfr. List $475.00	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 TRS input connectors; 3-way binding post output connectors; 3-year warranty.

K2	475 watts/chan. @ 8 ohms	Mfr. List $1,795.00
K1	350 watts/chan. @ 8 ohms	Mfr. List $1,495.00

Call For BSW Prices

MICRO TECH - Power Amplifiers

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

MT600	220 watts/chan. @ 8 ohms	Mfr. List $1,049.00
MT1200	320 watts/chan. @ 8 ohms	Mfr. List $1,349.00
MT2400	520 watts/chan. @ 8 ohms	Mfr. List $1,749.00
PB1	205 watts/chan. @ 8 ohms	Mfr. List $975.00
PB2	320 watts/chan. @ 8 ohms	Mfr. List $1,075.00
PB3	520 watts/chan. @ 8 ohms	Mfr. List $1,375.00

Call For BSW Prices

MACRO TECH - Power Amplifiers

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

MA600	220 watts/chan. @ 8 ohms	Mfr. List $1,395.00
MA1200	310 watts/chan. @ 8 ohms	Mfr. List $1,695.00
MA2400	520 watts/chan. @ 8 ohms	Mfr. List $2,195.00

Call For BSW Prices

BRYSTON PROFESSIONAL ST AMPLIFIERS

Introducing a New Standard in Professional Amplifier Design and Performance

In the demanding professional environment, you need an amplifier that is transparent, neutral and uncoloured. You want to hear the music, not the electronics. Preserving the integrity of the source signal is paramount to Bryston's design philosophy.

Bryston amplifiers are versatile performers, designed for use in a variety of demanding professional and commercial applications, including high quality recording studios, radio and television broadcast facilities, theatre and soundstage amplification, arena and nightclub installations and multi-amplified speaker systems of all types.

YEAR WARRANTY

2 0

Music for a Generation

Listen past the equipment and experience the performance as intended. Bryston professional ST amplifiers, from the top: 8B ST 4 channel 120 wpc, 5B ST 3 channel 120 wpc, 4B ST 250 wpc stereo, 7B ST 500 watts mono. Not shown is the 3B ST 120 wpc stereo.

Our ultra-linear input buffer-with-gain feeds the amplifier channels from both balanced and unbalanced inputs, resulting in sizable reductions in noise floor and distortion.

Power supplies are completely independent per channel and employ multiple smaller filter capacitors, rather than single large filter cans, improving high frequency response.

Wiring harnesses have been completely eliminated, so that channels plug directly onto the power supply PCB, reducing resistance and improving current flow.

BRYSTON

HAFLER

P SERIES - Power Amplifiers

Features (P1000): front panel level controls; silent, convection cooling; output overload protection circuitry; soft start power-up; clip and thermal indicator lights; front panel headphone jack; balanced/unbalanced inputs with XLR/1/4" combination connectors; <0.2% THD; 5-year warranty.

Features (P1500 & P3000): MOSFET output stages; output overload protection circuitry; silent, convection cooling; soft start power-up; signal, clip, thermal and overload indicator lights; balanced/unbalanced inputs with XLR/1/4" combination connectors; 5-way binding post output connectors; <0.1% THD; 5-year warranty.

P1000	S0 watts/chan. @ 8 ohms	Mfr. List $559.00
P1500	7S watts/chan. @ 8 ohms	Mfr. List $589.00
P3000	1S0 watts/chan. @ 8 ohms	Mfr. List $799.00

Call For BSW Prices

MACKIE

M1200 - Power Amplifier

Features: front panel level controls; front panel level and multi-function status indicators; T-design constant gradient fan cooling; built-in sweepable constant directivity horn compensation; built-in sweepable high-pass filter; balanced/unbalanced XLR and TRS inputs with balanced XLR THRU connectors; heavy duty binding post outputs; THD (8 ohm load) <.025%; 3-year warranty with registration.

M1200 22S watts/chan. @ 8 ohms   Mfr. List $699.00   Call For BSW Price

QSC

USA SERIES - Power Amplifiers

Features (all models): rear panel level controls; passive cooling (USA 400), 2-speed fan cooling (USA 900 & 1310); switchable limiting; selectable high-pass filter; balanced inputs with Neutrik "Combo" connectors; "Touch-proof" binding post outputs; 3-year warranty.

USA400	12S watts/chan. @ 8 ohms	Mfr. List $675.00
USA900	270 watts/chan. @ 8 ohms	Mfr. List $805.00
USA1310	400 watts/chan. @ 8 ohms	Mfr. List $1,165.00

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 ganged together; THD < .01% at full power output; 1-year parts & labor.

420   20 watts/chan. @ 8 ohms   Mfr. List $399.00   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	2S watts/chan. @ 8 ohms	Mfr. List $250.00
PA150	80 watts/chan. @ 8 ohms	Mfr. List $400.00

Call For BSW Prices

YAMAHA

H SERIES - Power Amplifiers

Features (all models): high power output in a compact 2-RU chassis; front panel level controls; multifunction protection circuitry; front panel indicators for protection, clip/limit, temp, input signal and output signal; 2-speed fan cooled; male and female balanced XLR inputs plus unbalanced 1/4" inputs; THD < .07%; 3-year warranty.

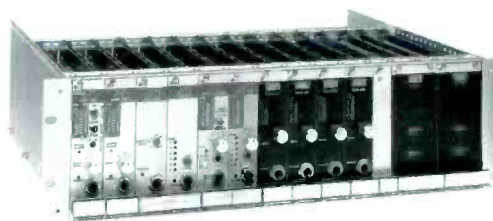|		
H3000	3S0 watts/chan. @ 8 ohms	Mfr. List $1,399.00
H5000	SS0 watts/chan. @ 8 ohms	Mfr. List $1,699.00
H7000	7S0 watts/chan. @ 8 ohms	Mfr. List $2,249.00

Call For BSW Prices

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 $29.95

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

PB2X8 - Distribution Amplifier/Press Box

Use the PB2X8 as a press box with a pair of summed mics driving sixteen outputs or as an extremely flexible distribution amp with a number of input to output configurations. Features: 2 balanced XLR mic/line inputs; 8 transformer isolated +4 level outputs and 8 balanced TRS outputs (switchable between -10dBu or -50dBu), all with individual level control; VU metering of any input or output; balanced TRS loop through input jacks; calibrated test tone oscillator; 48VDC Phantom power and a front panel headphone jack.

PB2X8	Mfr. List $1,399.00	Call For BSW Price

ATI

10,000 SERIES - Modular Amplifier/Distribution Systems

10,000 Series plug-ins all use the same rack frame allowing for intermixing of all ATI module types (over 40 interchangeable modules to choose from). Features: RM100 mainframe holds up to 10 plug in modules and 2 PS100 power supplies in a 3 RU, 19" rack chassis; plug-in modules include distribution, microphone and line amplifiers that are available as single and dual units, with or without metering, with transformer or active balanced outputs and optional VCAs with remote DC gain control.

Call For Configuration And Pricing

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; super flat frequency response; separate 3-conductor connectors for each input and output.

The SDA-8400 is an 8 output stereo DA or four 1x4 DAs. Features: super flat frequency response; separate 3-conductor connectors for each input and output.

SDA8400	Mfr. List $499.00	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 $595.00
ES217	1x4 DA, barrier strip	Mfr. List $195.00
ES217XLR	XLR version	Mfr. List $320.00

Call For BSW Prices

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.

U.S.D.A.	Mfr. List $195.00	Call For BSW Price

RDL

RU-SERIES - Distribution Amplifiers

These compact, rugged distribution amps can be mounted up to 3 across in a standard 19" rack with the RURA3 rack adaptor. All units require a PS24A power supply (multiple units may be operated from one power supply). (Also see RDL's Stick-On DA's on page 82)

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

RU-UDA4 **Features:** two channels, each with a single input to 4 outputs. Inputs and outputs are unbalanced -10dBv 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.

RU-DA4D	dual 1x4 or mono 1X8 DA	Mfr. List $231.00
RU-UDA4	dual 1x4 DA	Mfr. List $158.00
RU-BDA3	1x3 balanced I/O DA	Mfr. List $223.00
RU-RA3	3-unit rack adaptor	Mfr. List $29.00
PS-24A	Power Supply	Mfr. List $17.00

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.

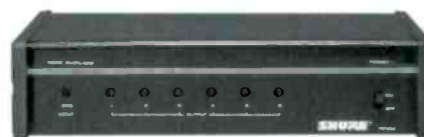| DA1600	Mfr. List $435.00	Call For BSW Price

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 k ohm 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

WHIRLWIND

PRESSPOWER - Powered Pressbox

Whirlwind's Presspower provides a comprehensive and flexible audio distribution system for press conference situations. **Features:** two XLR inputs are mic or line level with selectable phantom power, ground lift and high-pass filtering. There are twelve mic level outputs and 4 line level outputs. Line outputs 1 and 2 have adjustable gain with XLR and 1/4" TRS connectors. Line outs 3 and 4 are fixed level with XLR connectors. Mic outputs are XLR or 1/8" TRS. Additional features include VU meter, switchable test tone and AC or battery operation. Padded rack bag included.

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 base 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

DP100 - Digital Audio Processor

The DP100 offers 100% digital signal processing for FM applications. Features: all-digital gated AGC, S-band compressor, multiband limiter and graphic equalizer; supplied factory presets plus memory locations for custom presets plus a function for toggling between two presets (custom or factory) for on-air comparison; large touch screen LCD graphical display with helpful graphics makes it easy to take control of your station's sound; menus are based on "folders" for each different processing function. You simply touch a "folder tab" on the touch screen and the menu changes. Each individual function menu will include a variety of graphics, meter indicators or scopes. Touch the meter indicator and turn the knob to the desired level—it's that simple; simultaneous analog and digital input mixing; onboard dayparting and automation control; context sensitive on-line help; 18 bit, or optional 20 bit A/D conversion; CRL's exclusive stereo sound enhancement circuitry; improved Dynafex® noise reduction; a true digital stereo multiplex generator; upgradable with additional DSP and I/O slots; balanced XLR analog audio I/O; AES/EBU wired and optical digital I/O; BNC composite I/O.

DP100   Mfr. List $11,000.00   Call For BSW Price

CRL

FM/AM AUDIO - Processing Systems

CRL FM and AM modular processing can be purchased as systems or as individual components. Both AM and FM systems are comprised of combinations of basic units including multiband AGC with noise reduction, multiband compressor/limiter/EQ, final peak limiter and stereo generator for FM and AM stereo applications. Ask a BSW representative to help you configure the system that best fits your technical and financial requirements.

Pricing Based On Configuration

AMIGO - FM & AM Stereo Processors

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

Features: (Amigo FM) 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.

Features: (Amigo AM) 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

CUTTING EDGE

OMNIA - FM Stereo Processor

Omnia is a complete digital four-band FM processor with digital stereo encoder. It utilizes an advanced design philosophy to provide extraordinary sonic performance with maximum control flexibility.

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 and a selectable composite clipper. External control is via local serial RS-232, modem, 10BaseT or even the Internet with your favorite web browser. Additional features: factory presets for various formats plus user presets; front panel headphone jack and daypart automation. Balanced XLR analog I/O; AES/EBU digital I/O; SCA/RBDS subcarrier input; two independent composite outputs.

OMNIA   Mfr. List $8,200.00   Call For BSW Price

DBX

168A - Dynamics Processor

The 168A is a dual channel unit that offers smooth, inaudible AGC leveling and/or more aggressive, dense-sounding compression. These characteristics make the 168A perfect for use as a preprocessor for final peak limiters or as the head end to your STL system. **Features:** compressor; feed forward de-esser; high and low frequency spectral enhancement; silence gate; output level control; high resolution gain reduction and peak output metering; hardwire bypass; floating balanced XLR I/O.

| 168A | Mfr. List $999.95 | Call For BSW Price |

INOVONICS

716-00 DAVID II - Integrated FM Audio Processor

The DAVID II integrates FM audio processing and stereo generation into a single, easy to use and affordable package. The David II lets you achieve an "aggressive" sound that is fully protected from overmodulation without sacrificing ease of setup. **Features:** comprehensive audio processing section including low-pass filtering, pre-emphasis, AGC, compression/limiting; composite clipping; "bass-enhance"; BNC input to accommodate SCA or RDS subcarriers; balanced screw binding audio inputs; BNC composite output.

| 716-00 DAVID II | Mfr. List $1,985.00 | Call For BSW Price |

708-00 - FM Stereo Generator

The 708-00 provides cost-effective stereo generation for audio processors that don't have a stereo generator built in. **Features:** accurate front panel metering for easy setup, adjustable pre-pilot composite processing and two inputs with internal combining for SCA and RDS subcarriers; balanced screw binding inputs; BNC SCA inputs; BNC composite output.

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

222-00 - AM NRSC Processor

The 222-00 can act as a stand alone processor, or interface with existing processing to provide an NRSC compliant audio signal for AM broadcasting. **Features:** adaptive pre-emphasis characteristic to enhance signal intelligibility and presence; a sharp roll-off to eliminate adjacent channel interference; built-in peak limiter; balanced screw barrier I/O.

| 222-00 | Mfr. List $620.00 | Call For BSW Price |

CUTTING EDGE

DIVIDEND - FM Composite Filter

The Dividend reduces noise in the upper composite spectrum from 53 kHz to 99 kHz. That noise is often generated by audio processing and STLs. By installing the Dividend, stations can achieve a noise floor of greater than -60 dB. This provides a clean SCA environment for the most demanding subcarriers. Great for stations that use FM subcarriers for (RBDS/RDS), microwave STLs, composite clipping, or want to regain lost modulation, or reduce multipath related distortion. BNC composite I/O.

| DIVIDEND | Mfr. List $1,195.00 | Call For BSW Price |

MODULATION SCIENCES

CP803 - Composite Processor

Sharpen your competitive edge 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. 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. Contains subcarrier generator, audio processing, peak holding deviation meter, noise generator and incidental AM noise meter to optimize transmitter tuning for minimum cross talk. Available at 67 kHz or 92 kHz. 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 |

QEI

710A - Digital FM Stereo Generator

The 710A accepts any analog input or AES/EBU input with sample rates from 12 kHz to 56 kHz and generates a stereo signal with superior clarity, separation and high frequency definition. **Features:** 24 bit DSP internal processing and 18 bit D/A output conversion; MPX composite test output; audio failure alarm output; remote control of audio source selection and pre-emphasis. Balanced XLR analog inputs; AES/EBU XLR digital input; unbalanced BNC subcarrier inputs; unbalanced BNC composite outputs

| 710A | Mfr. List $4,295.00 | Call For BSW Price |

ORBAN

8200 OPTIMOD ™ - 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; two basic processor configurations available: 2-band for transmitter protection with minimal processing, or 5-band for more 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; the 8208 digital stereo encoder with limiter/overshoot compensator for maximum loudness.

8200/U2S	two band processing structure	Mfr. List	$7,400.00
8200/U3S	five band processing structure	Mfr. List	$10,400.00
8200D/32	digital input/output card	Mfr. List	$725.00
8200D/SRC	digital I/O with sample rate conversion	Mfr. List	$1,550.00
8208	digital stereo encoder with limiter	Mfr. List	$1,975.00

Call For BSW Prices

8200ST/U - Optimod Studio Chassis

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

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

2200 OPTIMOD ™ - FM 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 a loud, clear sound that OPTIMODs are famous for; non-volatile memory; built-in tone generator; input/output and gain reduction LED meters; balanced analog XLR analog I/O and two BNC composite outputs. Options: digital AES/EBU I/O version available.

2200	analog I/O version	Mfr. List $3,850.00	**Call For BSW Price**
2200D	digital I/O version	Mfr. List $4,450.00	**Call For BSW Price**

ORBAN

9200 OPTIMOD ™ -Digital Audio Processor

Now you can achieve FM-like sound for mono AM with this true digital processor. 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.

9200/U	mono analog I/O	Mfr. List $3,950.00
9200/UD	mono analog & digital I/O	Mfr. List $4,550.00
9200DIO	digital I/O kit	Mfr. List $650.00

Call For BSW Prices

9100B OPTIMOD ™ - AM Audio Processor

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

9100B1/U10	AM mono	Mfr. List $4,550.00	Call For BSW Price
9100B2/U10	AM stereo	Mfr. List $6,350.00	Call For BSW Price

TC ELECTRONIC

FINALIZER - Studio Dynamics Processor

This flexible dynamics shaping tool is perfect as a pre-processor before your STL system or in your production rooms to add punch to your spots. Features: unique three-band stereo compressor/limiter/expander with extensive control parameters; five-band parametric EQ; Wizard function automatically sets proper processing levels to program material; Digital Radiance Generator™ emulates the harmonics of vintage equipment for a warmer sound; analyzer functions including phase meter, level flow meter, peak-hold meter and digital I/O status; built-in 20-bit A/D convertor; balanced XLR alalog I/O; AES/EBU and S/PDIF digital I/O.

FINALIZER	Mfr. List $2,495.00	**Call For BSW Price**

**For Studio/Transmitter Links
(STL) See Pages 111-115**

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; "sneeze" button momentarily "edits" audio entering the delay, allowing the host to sneeze, cough, or make a short comment without being heard on air, and without dead air; exact digital read out of delay time; a "quick read" bar graph to instantly confirm that you have delay time left; RS-232 port and dry contacts provided for remote control. Balanced XLR I/O. Optional AES/EBU digital I/O.

BD500	Mfr. List $3,395.00	Call For BSW Price

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
BD942-6	stereo, 6 second delay	Mfr. List $2,395.00
	Call For BSW Prices	

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 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

For other Talk Show equipment
See Pages 139-151

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 AVA 22 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

MODULATION SCIENCES

STEREOMAXX - Spatial Enhancer

Almost all air chain processors work to increase loudness. StereoMaxx makes your station sound bigger, not just louder. Works with all on-air audio processing units. Balanced XLR I/O.

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

ORBAN

222A - 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	Mfr. List $2,400.00	Call For BSW Price

NOW, ALL YOUR JOCKS CAN HAVE THEIR OWN VOICE PROCESSOR!
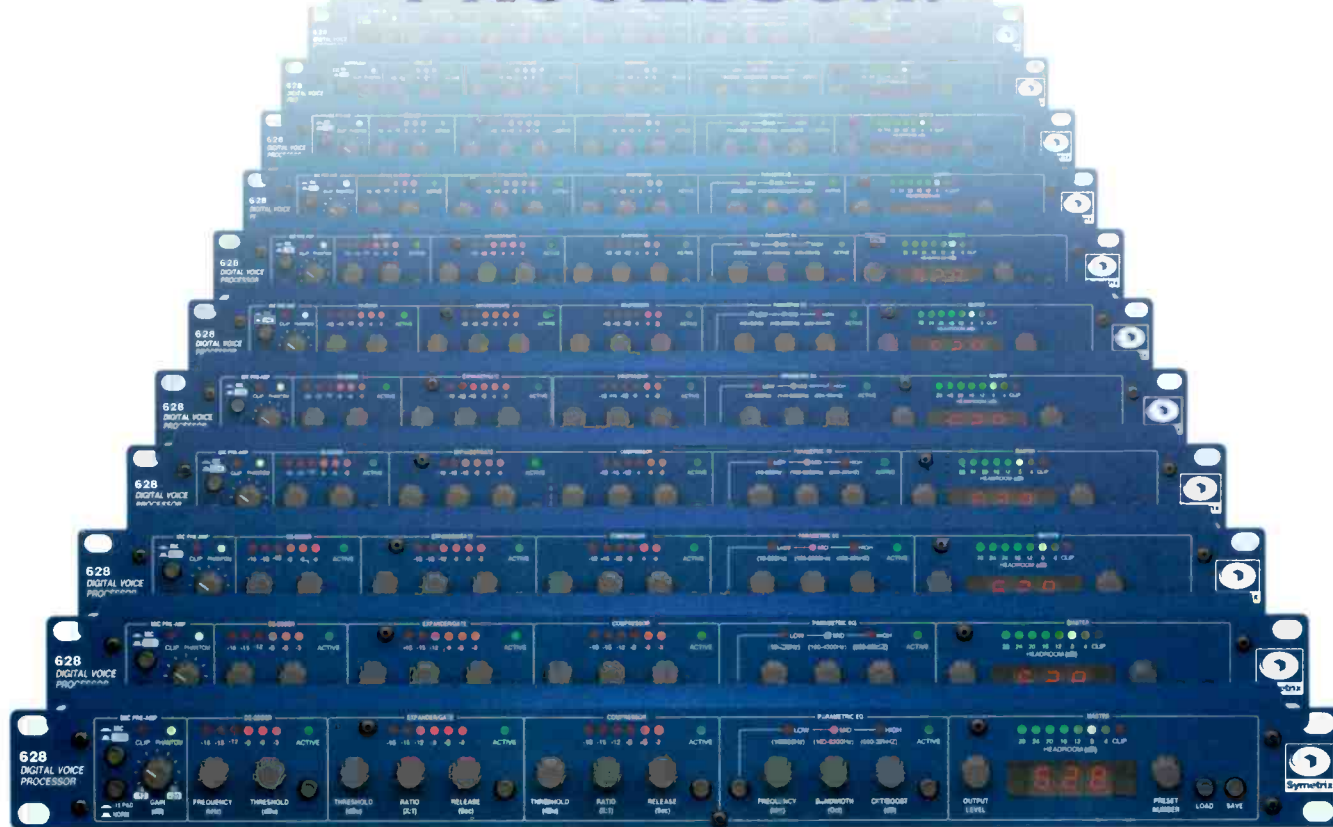
AND YOU ONLY HAVE TO BUY ONE!

THE SYMETRIX 628 DIGITAL VOICE PROCESSOR

- **128 Processing Presets**
- **Easy Adjustments** with Front Panel Knobs
- **Independent Metering** of Processing Functions
- **Optional Remote Control**
- **Dual Analog and AES/EBU or S/PDIF Digital Outputs**

Now you can lock in custom settings for each and every voice talent at your station and access them at a touch of a button. The Symetrix 628 Digital Voice Processor offers 128 processing presets and combines six separate functions (Microphone Preamplifier, 20-Bit A/D Converter, Parametric EQ, Compressor/Limited, Downward Expander/Gate and De-esser) into a single, affordable rack unit!

Symetrix

Professional Audio Signaling for Recording, Broadcast and Sound Reinforcement

Symetrix, Inc. is a world leader in professional analog and digital audio signal processing. Our products are designed to the highest standards of audio quality, reliability and ease of use. We shipped our first noise gate in 1976. Over 100,000 units later, we can proudly say, **"Symetrix is in it for the long haul."**

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 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 $349.00   **Call For BSW Price**

DIGITECH

VTP-1 - Mic Processor

This mic preamp/processor provides a warm, custom tailored sound from your studio mics that can be connected directly to your analog or digital devices. **Features:** vacuum tube mic preamp; 4-band semi-parametric EQ section; low-cut filter; 18-bit A/D converter with AES/EBU or S/PDIF digital outputs; electronically balanced XLR mic/line inputs (optional transformer balanced); unbalanced 1/4" mic/line inputs; XLR and 1/4" outputs; unbalanced 1/4" send and receive jacks.

VTP-1   Mfr. List $999.95   **Call For BSW Price**

RANE

VP12 - Mic Processor

The VP12 is a mic or line level voice processor that incorporates a studio-grade microphone preamp stage and comprehensive dynamic processing with EQ. **Features:** an 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 tailor the frequency range to the specific application; de-esser provides effective sibilance control; dynamic control is covered by the flexible combination of expander/gate and compressor; two bands of parametric EQ, each with 20 kHz bandwidth allowing flexible frequency control.

VP12   Mfr. List $599.00   **Call For BSW Price**

SYMETRIX

528E - Mic Processor

An industry standard microphone processor with 5 major functions in a single rack space unit. **Features:** microphone preamp with a switchable 15 dB pad to compensate for mics with hot output levels; front panel mic/line level switch; 48 volt phantom power; voice symmetry switch (phase rotator) that corrects for excessive positive or negative signal peaks of the human voice; de-essing with frequency and range controls; compression/limiting with downward expansion provides dynamic control without artifacts; 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 $699.00   **Call For BSW Price**

628 - Mic Processor

The programmable Symetrix 628 digital 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 unit. Use it to increase intelligibility or create special vocal or instrumental effects. **Features:** high-gain direct coupled mic preamp with phantom power; easy, intuitive operation; precise parameter adjustment with rotary knobs; 128 processing presets including 8 factory presets; 20-bit A/D and D/A converters; microphone 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.

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

VALLEY AUDIO

401 - Mic Processor

The Valley 401 microphone processor retains the distinctive sonic signature of its popular predecessor, adding improved performance specifications, component quality and greater resistance to RFI/TVI. **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**

For more Microphone Preamps

ALESIS

3630 - Compressor/Limiter/Gate

An affordable dual channel unit, 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 at hand; 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

108 EASYRIDER - Automatic Compressor

A very easy to use, yet effective and natural sounding 2-channel automatic compressor. **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**

661 - 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**

320A/323A COMPELLOR - Compressor/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	Mfr. List $1,350.00	**Call For BSW Price**
323A	Mfr. List $949.00	**Call For BSW Price**

APHEX

DOMINATOR II - Stereo Peak Limiter

A precision 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	(w/pre/de-emphasis)	Mfr. List $1,495.00	**Call For BSW Price**

ART

212 PRO VLA - Leveling Amplifier

The Pro VLA (Vactrol/tube-based Leveling Amplifier) offers two independent channels of analog leveling/compression. Its transformerless design provides a warm, musical sound yet maintains exceptional signal integrity and extremely low noise. **Features:** stereo linking of channels; I/O VU metering; 10-segment gain reduction LEDs; variable threshold ratio; rotary controls; balanced XLR and 1/4" I/Os; 5-year warranty.

212 PRO VLA	Mfr. List $649.00	**Call For BSW Price**

256 DUAL LEVELAR - Tube Compressor/Leveling Amplifier

This dual channel processor offers compression and limiting for smooth audio leveling action and the warmth of vacuum tubes without noise. **Features:** premium 12AX7A tube; adjustable threshold control; selectable attack and release characteristics; gain reduction LED display; threshold indicator; extremely low noise floor (>100 dB); balanced XLR and unbalanced 1/4" I/O.

256 (DUAL LEVELAR)	Mfr. List $349.00	**Call For BSW Price**

DBX

160S - Compressor/Limiter

The newest member of the 160 series, the 160S 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.

160S	Mfr. List $2,495.00	**Call For BSW Price**

DBX

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 both very easy to read and operate; side chain 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 |

166A - Compressor/Limiter/Expander/Gate

Two channel, stereo linkable compressor/limiter/expander/gate with 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.

| 166A | Mfr. List $329.95 | Call For BSW Price |

266A - Compressor/Gate

The 266A is a full-featured, high-performance dual compressor/gate that uses the dbx AutoDynamic™ attack and release circuitry to deliver true, musical 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, simple set up and operation; side chain insert; balanced 1/4" inputs; unbalanced 1/4" output.

| 266A | Mfr. List $249.95 | Call For BSW Price |

262 - Compressor/Limiter

The 262 is dbx's lowest cost rack mount compressor/limiter with the sonic quality of higher-end dbx units in a very easy to use format. **Features:** two channels of classic dbx compression/limiting with stereo linking capability; OverEasy™ or hard-knee operation; balanced 1/4" TRS inputs and outputs.

| 262 | Mfr. List $199.95 | Call For BSW Price |

DBX

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 |

PRESONUS

DCP8 - Audio Dynamics Processors

The DCP-8 8-channel Audio Dynamics Processor features 8 discrete compressor/limiters, 8 noise gates, 8 independent mutes, and 8 automated level channels, all under precise digital control and housed in a single rack space chassis. **Features:** 100 programmable 'audio scenes'; MIDI interface for control of all parameters; automated mutes and level changes; channel grouping; stereo linking; audio level conversion. **Options:** MB-8, 8-channel meter bridge.

| DCP8 | Mfr. List $1,199.95 | Call For BSW Price |

ACP8 - Audio Dynamics Processors

The analog ACP8 offers eight compressors and eight gates in one 2-RU chassis. **Features:** 8 separate or selectively linked channels of compression and/or gating; gain reduction metering on each channel; compression and gate threshold indication on each channel; hard-knee, soft-knee, peak or auto compression.

| ACP8 | Mfr. List $899.95 | 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 $349.95 | Call For BSW Price |

Dynamic!

PRESONUS

BLUEMAX - Compressor/Limiter

BLUEMAX is a smart stereo compressor/limiter with 15 studio pre-sets: 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 $249.95	Call For BSW Price

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

ROLLS

RP252 - Compressor/Limiter/Gate

Features: two channels; controls for threshold, compression ratio, attack, release; output level; gate threshold and release time; side chain inputs and outputs for ducking and de-essing; dual mono or linked stereo operation; balanced XLR and unbalanced 1/4" I/O.

RP252	Mfr. List $275.00	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. It 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 $595.00	Call For BSW Price

SYMETRIX

425 - Compressor/Limiter/Expander

The Symetrix model 425 offers integrated dynamics processing with a downward expander, compressor and limiter. It can be used for two independent channels or ganged for stereo operation. **Features:** separate threshold controls for expander, compressor and limiter; individual LED meters for each processing section and output; sidechain input/output; UL approved; balanced XLR or unbalanced 1/4" inputs and outputs.

425	Mfr. List $399.00	Call For BSW Price

501 - Compressor/Limiter

A single channel processor with variable ratio compressor and an infinity-to-1 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 $379.00	Call For BSW Price

VALLEY AUDIO

730LT - Digital Dynamics Processor

The Valley 730LT digital processor offers true digital compression, expansion, high frequency compression, limiting and multi-ratio, multi-threshold dynamics control. Digital I/O software selectable AES/EBU, S/PDIF or optical ports. Model 730LTDD **Features:** digital only I/O; the model 730LTADD offers digital and analog interface.

730LTDD	Mfr. List $1,554.00	Call For BSW Price
730LTADD	Mfr. List $1,999.00	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

341/351/355 - Graphic Equalizers

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 1S band	Mfr. List $249.00	Call For BSW Price
351	single 31 band	Mfr. List $249.00	Call For BSW Price
355	dual 31 band	Mfr. List $389.00	Call For BSW Price
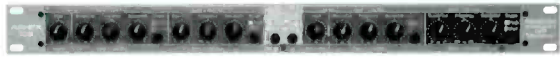
APHEX

109 - Equalizer

Looking for a versatile equalizer with studio quality tube circuitry? You'll find it in the Aphex 109. **Features:** patented Tubessence™ output stage with true vacuum tube circuitry; switchable 2-band, two-channel mode or 4-band mono mode; each band has +15dB boost/-15dB cut, frequency adjust (low-mid 20Hz-2kHz or mid-high 200Hz-20kHz), bandwidth control (1/6 to 2 octaves); switchable -10 dB/+4 dB; balanced TRS I/Os.

| 109 | Mfr. List $449.00 | Call For BSW Price |

RANE

ME15B/ME30B - Graphic Equalizers

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):** Rane's constant bandwidth (Q) interpolating filters for precise control with reduced ripple and interaction; a range switch for the 20mm faders allowing cut or boost of ±12dB or ±6dB; input and output level controls; balanced inputs and outputs via barrier strip or 1/4" TRS connectors.

| ME15B | Mfr. List $429.00 | Call For BSW Price |
| ME30B | Mfr. List $419.00 | Call For BSW Price |

ROLLS

REQ215/REQ232 - Graphic Equalizer

A low cost, two 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 provide adjustable roll-off and high-cut functions; 5 segment LED metering; inputs and outputs are balanced XLR or unbalanced 1/4" phone jack.

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

SYMETRIX

531E/532E/533E - 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 precision 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 $579.00	Call For BSW Price
532E	Mfr. List $699.00	Call For BSW Price
533E	Mfr. List $929.00	Call For BSW Price

551E - Parametric Equalizer

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 TRS connectors.

| 551E | Mfr. List $449.00 | 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-620 (line level) and SM-620 (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. FBX PLUS models offer 12 filters per channel. Balanced/unbalanced I/O via XLR and TRS jacks.

SL-620	line level, single channel	Mfr. List $324.95
SM-620	mic level, single channel	Mfr. List $349.95
FBX1020PLUS	single channel rack mount	Mfr. List $599.95
FBX2020PLUS	dual channel rack mount	Mfr. List $1,199.95

Call For BSW Prices
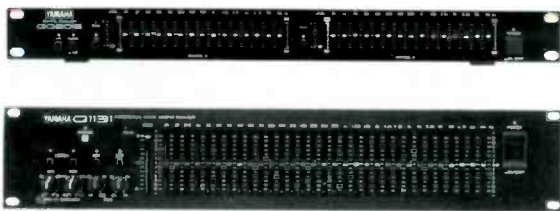
YAMAHA

Q SERIES/GQ SERIES - Graphic Equalizers

Yamaha EQs are widely used in sound contracting and PA work and are known for their reliability and sonic accuracy. All models offer balanced and unbalanced operation via XLR and 1/4" jacks.

Q1131	mono 31 band 2RU high	Mfr. List $749.00
GQ2015	dual 1S-band 1RU high	Mfr. List $429.00
GQ1031BII	mono 31 band, 1RU high	Mfr. List $399.00
	Call For BSW Prices	

ALESIS

Q2™ - Digital Effects Processor

Q2's powerful processor and unique "digital patch cables" allow up to 8 effects to be combined in any order without signal degradation. **Features:** easy to understand and use with graphic display of functions in use; effect types include reverb, delay/modulation, pitch, equalizer and many more; 100 factory presets; edit and store up to 200 custom presets; balanced TRS I/O; ADAT optical digital I/O.

Q2™	Mfr. List $799.00	**Call For BSW Price**

MIDIVERB 4 - Digital Effects Processor

A flexible, affordable 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 lets you program your own effects and store them in 128 memory locations; operating modes: stereo in stereo out, mono in stereo out, 2 independent mono channels or in cascade mode for combining effects; auto level sensing inputs; unbalanced 1/4" I/O.

MIDIVERB 4	Mfr. List $399.00	**Call For BSW Price**

*Don't see the Processor you're looking for?
Just ask us.
This catalog contains only a sample of
the products we carry.*

ALESIS

MICROVERB 4 - Digital Effects Processor

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

MICROVERB 4	Mfr. List $299.00	**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 convertors; unbalanced 1/4" I/O.

NANOVERB	Mfr. List $179.00	**Call For BSW Price**

ART

QUADRA/FX - Digital Effects Processors

Utilizing a specialized DSP processor, the Quadra/FX offers over 30 effects algorithms that can be combined in virtually any order. With 4 independent inputs and outputs, it can operate in Discrete 4, Twin Stereo, Cascade or Stereo DSP configurations. Effects include: various reverbs, delay, pitch shifting, chorus, flanging, phaser and more. **Features:** 24-bit effects processing; 20-bit A/D – D/A; 2 independent stereo audio channels; fully programmable with 100 user presets; 4 unbalanced 1/4" inputs and 4 unbalanced 1/4"outputs; MIDI controllable.

QUADRA/FX	Mfr. List $299.00	**Call For BSW Price**

423 FXR/434 FXR ELITE II - Digital Effects Processors

ART's acclaimed 24-bit superchip is the foundation for the FXR and FXR Elite II effects units, providing two discrete channels of effects processing with stunning audio quality at incredibly low prices. Units can be mono in/ stereo out, stereo in/stereo out, or two independent effects channels at once. FXR offers 250 preset sounds and combinations, FXR Elite is a user programmable version of FXR with MIDI interface. Unbalanced 1/4" I/O on both models.

423 FXR	Mfr. List $259.00	**Call For BSW Price**
434 FXR ELITE II	Mfr. List $345.00	**Call For BSW Price**

ART
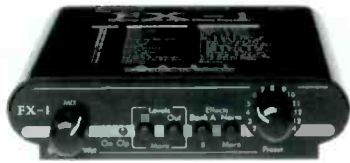
121 FX-1 - Digital Effects Processor

A compact, easy to use stereo or dual mono processor in an all-steel enclosure. **Features:** 60 effects presets; exclusive MORE switch gives you "more" of the selected effect; reverb, chorus, delay, doubler, pitch shift and others; up to 3 effects at once; unbalanced 1/4" I/O.

121-FX1　　　Mfr. List $159.00　　　Call For BSW Price

DIGITECH

STUDIO 400 - Digital Effects Processor

Powered by two of DigiTech's S-DISC II® processors, the Studio 400 is capable of up to eight high quality effects at one time, in any order and in an endless number of combinations. **Features:** 100 factory presets and 100 user memory locations; effects include reverbs, choruses, flanger, compressor, intelligent pitch shifter and more; unlimited internal routing capability; large custom LCD display; optional digital I/O; 4 separate balanced XLR and 1/4" inputs and 4 separate balanced XLR and 1/4" outputs.

STUDIO 400　　　Mfr. List $869.95　　　Call For BSW Price

STUDIO QUAD - Digital Effects Processor

With 4 completely independent inputs and outputs, the Studio Quad V2 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 include 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.

STUDIO QUAD　　　Mfr. List $529.95　　　Call For BSW Price

S100 - Digital Effects Processors

Both "user-friendly" and "wallet-friendly", the S100 utilizes dual processing engines to bring you uncompromised effects with 7 effect routing configurations. **Features:** effects include: reverb, delay, chorus, flange, detune, pitch shift and more; 20-bit A/D and D/A convertors; -96 dB signal to noise ratio; MIDI controllable; footswitch compatible; unbalanced 1/4" I/O;

S100　　　Mfr. List $199.95　　　Call For BSW Price

EVENTIDE

H3000 SERIES - Broadcast Ultra-Harmonizers

In addition to offering natural sounding reverbs, delays, pitch control etc., the H3000B Broadcast Ultra-Harmonizers allow broadcasters the ability to create special effects and character voices quickly, at the push of a button. **Features:** H3000B+ contains all of the original H3000B effects and time compression with the addition of algorithms for gating, compression and ducking; H3000B/LT is a less expensive version that does not include the variable-speed tape machine control included in the B+; the H3500BDFX offers the 3000 Series features with all the great sounds of the latest Mod Factory DFX algorithms such as ambience, reverbs, special effects, full bandwidth and glitch-free pitch shifting. Plus, it offers 11 seconds stereo sampling time; the H3500BDFX/E offers 47.5 seconds stereo sampling time. All units include balanced XLR I/O

H3000B/LT	w/o variable speed control	Mfr. List $2,495.00
H3000B+	w variable speed control	Mfr. List $2,995.00
H3500BDFX	11 seconds stereo sampling	Mfr. List $3,495.00
H3500BDFX/E	47.5 seconds stereo sampling	Mfr. List $4,095.00

Call For BSW Prices

LEXICON

MPX-1 - Multi-Effects Processor

The MPX-1 utilizes two independent DSP microprocessors - Lexicon's proprietary chip for dedicated reverb and a separate chip for multiple effects. **Features:** up to 5 stereo effects at once including uncompromised Lexicon stereo reverb; 200 factory presets; 50 user program locations; 18 bit A/D and 20 bit D/A conversion; complete user programmable ordering and routing of all effects blocks with graphical display; on-line help and library modes; dynamic MIDI® and MIDI automation; balanced I/O via XLR and TRS jacks; optional digital I/O.

MPX-1　　　Mfr. List $1,299.00　　　Call For BSW Price

PCM80/PCM90 - Digital Effects Processors

25 years of experience go into the making of the PCM80 Digital Effects Processor and PCM90 Digital Reverberator. Lexicon's unique dual-DSP platform enable the PCM80 to create the most flexible effects combined with superb reverb, while the PCM90 offers reverbs that rival Lexicon's top-end units. **Features:** PCM80 has 200 presets, PCM90 has 250; 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; balanced/unbalanced 1/4" TRS I/O (PCM90 includes XLR connectors).

PCM80	Mfr. List $2,745.00	Call For BSW Price
PCM90	Mfr. List $2,995.00	Call For BSW Price

ROLAND/BOSS
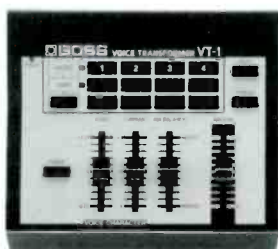
VT-1 - Voice Transformer

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 many others. **Features:** 4 memory presets; pitch sliders to raise or lower the fundamental note pitch; mic and line I/Os.

VT1	Mfr. List $395.00	Call For BSW Price

SYMETRIX

606 - Delay F/X Machine

Two separate delays for stereo, dual mono or series mode processing for recording and live performance. Features: true stereo chorusing, flanging, echo, filtering, diffusion, phase shifting, room simulation, widening, doubling and fattening; rotary adjust knobs, 20-bit convertors; balanced/unbalanced 1/4" TRS I/O.

606	Mfr. List $649.00	Call For BSW Price

YAMAHA

PROR3 - Digital Reverberator

The ProR3 majors in superior reverb sounds, but offers much more. **Features:** combine reverb with echo, chorus, symphonic, flange, pitch change, 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 - Digital Reverberator

A real breakthrough in price/performance level with 32 bit processing and 20 bit A/D and D/A convertors. **Features:** 100 user presets and 100 user programs; exceptional reverbs, plus reverb with chorus, flanging, gate, dynamic filter and others; 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.

REV500	Mfr. List $499.00	Call For BSW Price

YAMAHA

REV100 - Effects Processor

The REV100 is an inexpensive, true stereo-in stereo-out multi-effects processor. **Features:** reverb, delay and modulation effects, plus a range of combinations; rotary controls for the three most critical parameters for all effects programs; 99 factory presets that can be edited and stored; input and output level controls; peak LEDs; MIDI interface; unbalanced 1/4" I/O.

REV100	Mfr. List $299.00	Call For BSW Price

SPX1000 - Effects Processor

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; up 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 professional, true 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 each; 20 bit A/D and D/A convertors; balanced XLR I/O and unbalanced 1/4" I/O.

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

APHEX

250 - Aural Exciter

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

250	Mfr. List $995.00	Call For BSW Price

APHEX

104 - Type C² Aural Exciter

The 104 is Aphex's newest generation AURAL EXCITER in an affordable package. Increases presence, clarity, detail and intelligibility with enhanced stereo imaging; extremely quiet and easy to use; Big Bottom™ provides stronger, more powerful bass without substantially increasing the peak output level; +4 or -10 dB operation; unbalanced 1/4" I/O.

| 104 | Mfr. List $299.00 | Call For BSW Price |

BBE

862 - Sonic Maximizer

The 862 utilizes phase compensation/equalization circuitry to add significant articulation and definition to otherwise muddy or dull audio. **Features:** +23 dBu headroom; hardwire bypass; +4 dBu balanced inputs and outputs via XLR and 1/4" TRS connectors.

862	Mfr. List $599.00	Call For BSW Price
462	Mfr. List $349.00	Call For BSW Price
461	Mfr. List $219.00	Call For BSW Price

DBX

296 - Spectral Enhancer

The dbx 296 Spectral Enhancer utilizes patented spectral processing to add detail, sparkle, and definition to program material while reducing background hiss. **Features:** each channel has controls for input level, hiss reduction, LF correction and HF correction; LED metering displays filter activity; clip indicator helps set proper levels; balanced TRS I/O.

| 296 | Mfr. List $349.95 | Call For BSW Price |

SPL

9526 STEREO VITALIZER MK2 - Psychoacoustic Equalizer

The Stereo Vitalizer MK2 allows broad band "tone shaping" without the typical phase distortion and comb-filtering of multi-band graphic equalizers. Designed to be used in the insert path, the unit also correlates amplitude and phase-response, enhancing clarity and detail. The MK2 adds new filters and controls, and the signal-to-noise ratio has effectively been improved by 8dB (at full effect). **Features:** integrated compressor; LED indicators; balanced XLR and TRS I/Os.

| 9526 STEREO VITALIZER MK2 | Mfr. List $699.00 | Call For BSW Price |

AUDIOLAB

TD5 - High Energy Tape Degausser

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.

| TD5 | 120 volt | Mfr. List $1,695.00 | Call For BSW Prices |
| TD5-220 | 220 volt | Mfr. List $1,795.00 | Call For BSW Prices |

TD1B - Bulk Eraser

Erases cassettes, cartridges and up to 10 1/2" reels. Automatic thermal protection to avoid burn-out.

| TD1B | Mfr. List $145.00 | Call For BSW Price |

FIDELIPAC

400/395 - Bulk Eraser

The 400 provides over 2000 Gauss of erasure power. Enclosed in a hardwood case with laminate top, it will efficiently erase cartridges, cassettes, and up to 1" wide open reel tape.

The hand-held 395 is rugged, light weight, and has thermal protection. Perfect for erasing cartridges and cassettes.

| 400 | Mfr. List $145.00 | Call For BSW Price |
| 395 | Mfr. List $100.00 | Call For BSW Price |

GENEVA

PF211 - Bulk Eraser

It only takes a few seconds to prepare used tapes for like-new performance. The PF211 generates 2300 Gauss field intensity and is perfect for erasing cassettes, carts, and 1/2" wide open reel tapes.

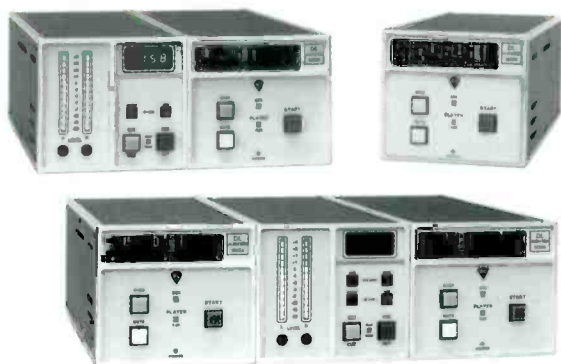| PF211 | Mfr. List $99.95 | Call For BSW Price |

SONAR

VX1401 - Bulk Eraser

For audio tape degaussing, the VX1401 from Sonar offers outstanding value. For all tape formats from cassettes to carts to open reel.

| VX1401 | Mfr. List $82.00 | Call For BSW Price |

AUDICORD

DL SERIES - Cart Machines

The Audicord DL Series machines are constructed with top quality components and can stand up to the daily grind of broadcast production and on-air playback. Both single unit and dual unit record/play models are available.

Playback Features: replay lock-out; manual or automatic muting of output audio; remote control capability with mating connectors included; primary and secondary cue tones standard (tertiary cue is optional); cue status indicators; audio on/off status lamp; multi-color LED level indicators; continuous or on/off motor operation.

Record Features: bias and tone presence indicators; automatic meter switching; optional recording shut-off with the end of SEC tone; +8 dBm output; complete remote control connections (plugs are furnished) and multi-color LED level indicators. Balanced I/O via supplied cinch-type connectors.

Dual Record/play Features: flexible mixing/switching allows for several configurations including: two independent playback machines, an independent player and rec./player, or as a dual recorder/reproducer; simultaneous play and record, the capability to make dual recordings, dub copies, or create composite recordings on the fly.

DLPM	playback, mono	Mfr. List	$1,050.00
DLPS	playback, stereo	Mfr. List	$1,150.00
DLRM	record/play, mono	Mfr. List	$1,550.00
DLRS	record/play, stereo	Mfr. List	$1,800.00
DLDM	dual record/play, mono	Mfr. List	$2,700.00
DLDS	dual record/play, stereo	Mfr. List	$3,100.00

Call For BSW Prices

FIDELIPAC

ESD10 - Eraser/Splice Finder

Features: dual, full track heads 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.

ESD10	Mfr. List $1,390.00	Call For BSW Price

FIDELIPAC

CTR10 SERIES - Cart Machines

Rugged playback and record/play machines that continue to provide bullet-proof performance for radio and TV broadcasters, year after year.

Features: 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 on recorders; flashing cartridge played indicator; on board audio switcher and mixer permits multiple machines to be connected to a single console input with no increase of noise or loss of audio quality; unique cart hold-down system controls carts with four rubber rollers that grip the cart by the edges. This eliminates the possibility of deforming the cartridge and upsetting the tape path, resulting in a loss of stereo phase.; transformerless audio circuitry; selectable restart disable; balanced I/O via 9-pin "D" connectors (plugs supplied). Optional D to XLR adaptors available.

CTR11	mono play	Mfr. List	$1,795.00
CTR12	stereo play	Mfr. List	$1,935.00
CTR13	mono play	Mfr. List	$2,640.00
CTR14	stereo record/play	Mfr. List	$2,890.00

Call For BSW Prices

326/328/387 - Tape Head Setup Tools

The tools you need to properly set up and align your cart machine tape heads.

326	height gauge	Mfr. List	$36.00
328	head insertion gauge	Mfr. List	$8.00
387	right angle zenith gauge	Mfr. List	$44.00

Call For BSW Prices

DENON

DN790R - Professional Cassette Deck

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 ins and outs.

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

DN720R - Professional Cassette Deck

A lower cost alternative to a balanced professional cassette deck.
Features: 2 tape heads; ±12% speed control; ultra stable tape transport; real time counter; wired remote control; 19" rack mount brackets; unbalanced RCA I/O.

DN720R	Mfr. List $500.00	**Call For BSW Price**

DN770R - Professional Cassette Deck

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 (C90 tapes); up to 7.5 hours continuous playback (C90 tapes); 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; 19" rack mount brackets; unbalanced RCA I/O.

DN770R	Mfr. List $700.00	**Call For BSW Price**

For Blank Cassettes See Page 65
For Cassette Care Products See Page 154

MARANTZ

PMD501/502 - Cassette Recorders

The PMD501 and PMD502 cassette decks provide Marantz quality, durability and features at very competitive prices. **Features (both decks):** quick auto reverse; large transport buttons; 2 tape heads; front panel headphone jack; Dolby B noise reduction; unbalanced RCA I/O; optional wired remote control (WRC200). PMD502 Additional **Features:** front panel mic inputs, output level control; Dolby B, C and HX Pro NR, ±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 $499.00
WRC200	wired remote	Mfr. List $149.00
XLR502PMD	balanced I/O kit	Mfr. List $100.00

Call For BSW Prices

PMD520/PMD510/PMD500 - Dual Cassette Recorders

Marantz' 500 Series dual cassette decks are serious tools for audio professionals who need advanced features, high flexibility and faultless performance. The PMD520 is the top-of-the-line 3-head, independent dual well deck. Designed with the real time duplicator in mind, the 520 offers cascade play/record capability for linking multiple units together for long playback and recording. **Features:** fine speed adjust; auto bias; loop through outputs; high speed (2X) recording; overlap series recording; one-touch record pause; timer activated record/play; auto rewind; record mute; record balance control; 25 pin D-sub remote control port; Marantz RC5 remote control port; Dolby B/C noise reduction, HxPro; unbalanced RCA I/O; optional wired remote control (WRC200); optional balanced XLR kit (XLR520PMD).

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 stereo outputs; ± 15% pitch control; stereo bargraph meters; linear time counters; Dolby B, C, and HX Pro; large, easy to operate transport keys; headphone output is switchable between deck A, B or A&B; 2-speed dubbing; serial recording; unbalanced RCA I/O; optional wired remote control (WRC200); optional 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.

PMD520	3-head dual deck, separate I/O	Mfr. List $999.00
PMD510	dual deck, separate I/O	Mfr. List $829.00
PMD500	dual deck, combined I/O	Mfr. List $639.00
WRC200	wired remote	Mfr. List $149.00
XLR510PMD	balanced I/O kit	Mfr. List $229.00

Call For BSW Prices

TASCAM

122MKIII - Professional Cassette Deck

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 amorphous) 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 (+ 4 dBm).

122MKIII	Mfr. List $1,349.00	Call For BSW Price

112MKII - Professional Cassette Deck

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, -10 RCA inputs and outputs; optional balanced XLR, +4 I/O kit.

112MKII	cassette deck	Mfr. List $849.00	Call For BSW Price
LA112	balanced I/O kit	Mfr. List $100.00	Call For BSW Price

112RMKII - Auto Reverse Cassette Deck

A professional auto reverse deck for engineers and contractors requiring exceptional performance for continuous play applications. **Features:** bi-directional, 3-head transport; Dolby B & C noise reduction; Dolby HX Pro frequency extension; parallel port for external fader start; auto tape bias system; unbalanced RCA I/O; optional balanced XLR, +4 I/O kit.

112RMKII	auto reverse deck	Mfr. List $1,149.00	Call For BSW Price
LA112	balanced I/O kit	Mfr. List $100.00	Call For BSW Price

TASCAM

102MKII - Cassette Deck

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 $369.00	Call For BSW Price

302 - Professional Cassette Deck

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 transport controls; 2 tape heads per deck; independent pitch control, Dolby B and C noise reduction and Dolby HX Pro frequency extension (independent controls per each deck); dual LED metering; control I/O and cascade outputs allow linking of up to 10 additional machines; unbalanced RCA I/O (per each deck); optional remote control (RC-302).

302	Mfr. List $699.00	Call For BSW Price

202MKIII - Cassette Deck

This dual cassette deck is ideally suited for both dubbing and continuous looping playback applications. **Features:** dual synchronous record mode (can make two identical copies simultaneously from an external master source); normal/high-speed dubbing; continuous auto reverse playback and recording between both decks; 2 tape heads per deck; Dolby B and C noise reduction; Dolby HX Pro frequency extension; blank scan automatically fast forwards to next program selection; record/mute autospace function; front panel R & L mic inputs, headphone jack; unbalanced RCA I/O.

202MKIII	Mfr. List $529.00	Call For B5W Price

Consumer cassette decks offer the broadcaster a cost effective alternative to professional machines. Even though durability and interface capabilities are limited, consumer machines do offer many advanced features and good sound quality. *Please note that the products listed below were current models at the time of printing. Current model numbers, features, and pricing may vary.*

TEAC

V-377/W-416 - Cassette Decks

These consumer cassette machines, combined with the optional RK2 rack kit, offer good sound quality in a rack mountable package for an incredibly low price. **Features:** hard permalloy record/playback heads; Dolby B NR, 2-color LED level meter; 3-position tape selector and auto stop. The Teac model V-377 is a single-well 2-head machine. The W-416 is a dual-well (2 heads, 1 head) deck with continuous playback and normal/high-speed dubbing. Both shown with optional RK2 rack kit.

V377	single deck	Mfr. List	$119.00
W416	dual deck	Mfr. List	$139.00
RK2	rack kit	BSW Price	$28.95

**Call For BSW Prices**

TECHNICS

RSTR373/575 - Double 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 (as shown).

RSTR373	dual deck (2 heads, 1 head)	Mfr. List	$209.95
RSTR575	dual deck (2 heads each deck)	Mfr. List	$269.95
RK4	rack kit	BSW Price	$30.00

Call For BSW Prices

MARANTZ
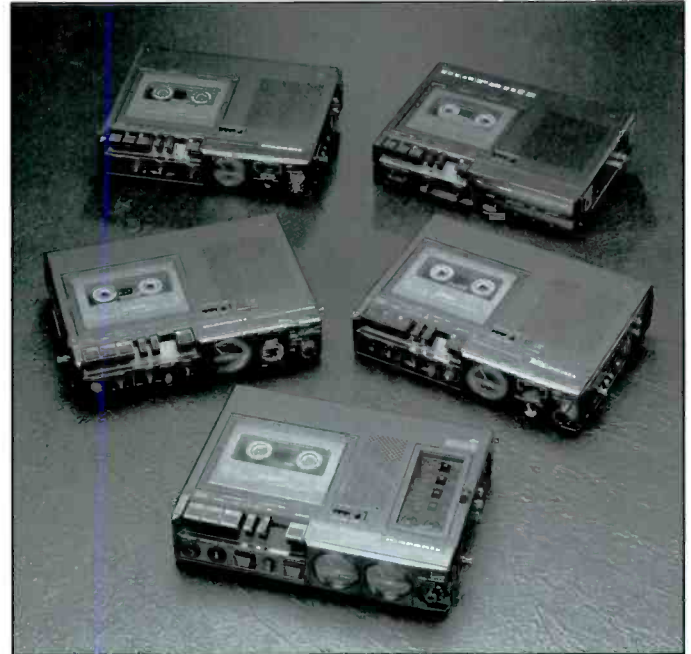
PMD SERIES - Portable Cassette Recorders

Without a doubt, Marantz makes the most popular portable cassette recorders used in broadcast, with 5 models to choose from to match your application.

PMD200 Series Features: 7 1/2 hours of continuous 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 microphone and monitor speaker; Vari-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 high-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

Call For BSW Prices

Accessories:

CLC221	vinyl carrying case	Mfr. List $40.00
CA221	12-volt car adaptor	Mfr. List $40.00
DA36	AC adaptor for PMD101	Mfr. List $13.00
KEB20	nylon carrying bag w/ extra storage	Mfr. List $24.95
IC6	mic adaptor cable for PMD201/221	Mfr. List $15.00
FSK221	field support/repair kit	Mfr. List $60.00

Call For BSW Prices

PANASONIC

RQL349 - Mini Portable Cassette Recorder

This handy portable recorder is great for news gathering or taking audio notes. **Features:** built-in condenser mic with switchable cardioid and omni-directional pickup patterns; variable tape speed control; auto-stop and pause; external mic input; one-touch and voice-activated recording; cue and review; tape counter; AC/ Battery operation (includes AC adaptor/recharger and rechargeable batteries); mini jack mic input.

RQL349	Mfr. List $39.95	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. AC power supply available optionally.

TCD5 PRO II	Mfr. List $1,475.00	Call For BSW Price

TELEX

COPYETTE EH/XL SERIES - Cassette Duplicators

Telex has several models of duplicators to match your particular application, from the cost-effective Copyette EH™ Series with 1-to-1 or 1-to-3 configurations in mono or stereo, to the top-of-the-line XL Series machines with extended life heads that can handle either ferric or chrome type tapes.

Pricing Based On Configuration

For Blank Cassettes See Page 65
For Cassette Cleaning Supplies See Page 154

TEAC

AD-500 - CD Player/Cassette Deck

The AD-500 from TEAC is an affordable source machine featuring a consumer tape deck and CD player in one unit. **Features:** 2-head cassette deck with bi-directional record and playback and pitch control; full-function remote control; continuous play (CD to tape & tape to CD); CD sync dubbing; CD player with multifunction display; timer play; random memory programming; 3-way repeat function; headphone jack; unbalanced RCA I/O.

AD500	Mfr. List $389.00	Call For BSW Price

DENON

DNT620 - CD Player/Cassette Deck

The DN-T620 is Denon's second generation dual source machine combining CD player and cassette deck units 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; cassette deck is auto-reverse with Dolby B noise reduction; input source is switchable between internal CD and external line input; 2 tape heads; 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; quick sensing auto reverse tape deck with Dolby B, C and HX Pro; CD player cues to music and features program, repeat and loop functions; optional wired remote (WRC200); 1/4" L&R mic inputs for tape; unbalanced RCA I/O for tape and CD, digital output for CD; optional balanced XLR kit (XLR350PMD).

PMD350	Mfr. List $740.00	Call For BSW Prices
WRC200	Mfr. List $149.00	Call For BSW Prices
XLR350PMD	Mfr. List $179.00	Call For BSW Prices

DENON

DN-2500F - Dual CD Player

For club work or live air programs, 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 spinning down; index search function; unbalanced outputs.

| DN2500F | Mfr. List $1,800.00 | Call For BSW Price |

DN650F - Compact Disc Player

Features: instant start (.01 sec.); instant re-cue; cue to audio with adjustable threshold; variable speed playback control; time remaining/elapsed time display; end monitor with selectable duration; adjustable EOM display; fade-in function with adjustable duration; remote connector with multiple fader start/stop modes; multiple play modes including single-track play with stop; re-cue or next functions and several continuous play options; balanced XLR outputs.

| DN650F | Mfr. List $650.00 | Call For BSW Price |

DN951FA - CD Cart Player

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; a digital display showing remaining or elapsed time in minutes, seconds, and frames; end monitor feature allows the operator to preview the ending of a cut; 4-times oversampling; complete remote accessibility; Denon's unique Auto Track Select feature that reads optional barcode labels for three levels of control over play: Track Exclusive, Track Priority, and Track Lockout; balanced XLR outs with variable output level.

DN951FA	CD player	Mfr. List $1,500.00
ACD5B	CD cart shells	Mfr. List $4.75 ea.
Bar code labels	(sheet)	Mfr. List $9.00 ea.

Call For BSW Prices

DENON

DN961FA - Compact Disc Player

Here is a Denon professional machine for broadcasters who want all the features and performance found in the CD Cart™ Players, but without the CD Carts. The DN961FA is basically a *drawer-loading* version of the DN951FA (shown below left). 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. **Features:** instant cueing aided by a select dial; audition function; single or continuous play; a digital display showing remaining or elapsed time in minutes, seconds, and frames; end monitor feature allows the operator to preview the ending of a cut; 4-times oversampling; complete remote accessibility; balanced XLR outs with variable output level. *Does not support Denon's Automatic Track Select feature.*

| DN961FA | Mfr. List $1,500.00 | Call For BSW Price |

DN-C680 - Compact Disc Player

The DN-C680 is engineered to provide the ultimate in flexibility and 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.

| DN-C680 | Mfr. List $900.00 | Call For BSW Price |

MARANTZ

PMD320/PMD321 - Compact Disc Players

The new 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); optional remote control (WRC200).

PMD320	Mfr. List $399.00	Call For BSW Price
PMD321	Mfr. List $529.00	Call For BSW Price
WRC200	Mfr. List $149.00	Call For BSW Price

MARANTZ

PMD370 - Compact Disc Player

The PMD370 5-disc CD changer offers the exceptional versatility and durability that are the hallmark of Marantz. **Features:** single or multiple track repeat; random play; audible cue and review; automatic music search; full-function IR remote; index access via remote control; complete programming and program editing; RCA analog I/O.

PMD370	Mfr. List $399.00	**Call For BSW Price**

PIONEER

CDJ-500II - CD Turntable

The CDJ-500II provides the feel of a classic DJ turntable with the audio quality and quick access of CD. **Features:** oversized cue wheel simulates the action of a turntable platter; large pitch/speed slider allows tempo change of up to 10% without changing pitch; seamless loop functions; extra large cue and start buttons; large LED display; RCA stereo output.

CDJ-500II	Mfr. List $1,000.00	**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.

CDP-D500	Mfr. List $1,595.00	**Call For BSW Price**

SONY

CDP-XE400 - Compact Disc Player

Features: exceptionally good sound quality; jog dial track search; three play modes and two repeat modes; peak search; 3-mode music scan; front panel headphone jack; unbalanced RCA analog output; optical digital output. Shown with optional RK7 rack kit.

CDP-XE400	Mfr. List $200.00	**Call For BSW Price**
RK7	BSW Price $32.00	

TASCAM

CD401MKII - Compact Disc Player

Features: precision 3-beam pickup system combined with 18-bit 4 times oversampling D/A converters for excellent sound quality; pitch control; fader start; auto cue; single play; balanced XLR and unbalanced RCA analog outputs; coaxial digital out; optional remote control (RC401).

CD401MKII	Mfr. List $1,049.00	**Call For BSW Price**

CD-305 - Multiple CD Player

This rack-mountable 5-disc CD player offers many professional features such as the balanced analog and digital I/Os for commercial and studio applications. **Features:** 5 disc player; switchable 120/240 volts; wireless remote control; balanced XLR and unbalanced RCA outputs; digital (S/PDIF) output.

CD305	Mfr. List $599.00	**Call For BSW Price**

FOSTEX

CR-200 - Compact Disc Recorder

Now you can transfer your hard disk, DAT, MD and cassette masters to CDs – with a lot less effort than you spent during the master-mixdown process. Robust and sturdy in a rugged chassis, the rack-mountable CR200 offers five recording modes (three automatic and two manual). The automatic or digital synchronization modes are triggered by incoming audio signals. The two manual modes involve transport keys and level and balance controls. **Features:** 5 record modes for all applications; converts any input signal from 32, 44.1 and 48 kHz to 44.1 kHz; IDs recorded automatically; robust platter mechanism resists vibrations and protects sound quality; balanced XLR analog input; unbalanced RCA input/output; AES/EBU digital input; S/PDIF optical and coaxial digital input/output.

CR-200	Mfr. List $2,195.00	Call For BSW Price

MARANTZ

CDR615RC/CDR620 - Compact Disc Recorders

These stand-alone write-once compact disc recorders allow you to standardize all your program audio around the CD format.

Features (CDR615RC and CDR620): built-in sample rate converter; CD/DAT/MD/DCC subcode converter; adjustable digital fade-in/fade-out; manual and automatic track incrementing; 9-pin parallel (GPI) port allowing customized control; 34-key two-way wired remote; front panel headphone out with level control; complete Red/Orange Book compatibility; balanced XLR analog inputs (unbalanced outputs CDR615RC); RCA digital I/O.

CDR620 Added **Features:** SCSI-II computer interface for CD-ROM recording; 2x speed recording; XLR (AES/EBU) digital I/O; digital cascading (AES/EBU); index recording and playing.

CDR615RC	Mfr. List $2,300.00	Call For BSW Price
CDR620	Mfr. List $3,600.00	Call For BSW Price

HHB

CDR800 - Compact Disc Recorder

The affordable HHB CDR800 CD recorder was designed specifically for the professional audio user and delivers exceptional sonic performance. A copper chassis forms the basis of a solid, protective housing which provides screening against electronic interference. Total harmonic distortion of less than 0.005% is ensured by the use of high-quality components throughout. **Features:** sample rate converter accepts any frequency from 32 kHz to 48 kHz and converts to CD standard 44.1 kHz; 5 record modes (1-track Digital Synchro, All-Track Digital Synchro, Auto-ID Digital Synchro, Manual Digital, and Manual Analog); Skip-ID settings can be recorded to CD; DAT, MD and CD IDs can be copied along with audio; full infrared remote control; balanced XLR analog input; unbalanced RCA input/output; AES/EBU digital input; S/PDIF optical and coaxial digital input/output.

|		
CDR800	Mfr. List $2,195.00	Call For BSW Price

OTARI

CDR-18 - Compact Disc Recorder

For years the Otari name has been synonymous with highest quality and dependability in recording equipment for professionals all over the world. With the CDR-18 Otari now offers a dependable way for you to transfer all your audio to the convenient CD format. **Features:** built-in sample rate convertor accepts any frequencies from 32 kHz to 48 kHz and converts them to 44.1 kHz automatically; digital synchro record mode starts and stops the recording in sync with whatever source machine you are using (DAT, CD, MD etc.); automatic track number writing with adjustable threshold level; very stable disc-drive turntable resists vibrations; digital fader function allows natural fade-ins and fade-outs plus a safety fade-out to avoid sudden cutoff of audio at end of CD; 8-pin mini DIN remote control jack; wireless remote controller; balanced XLR and unbalanced RCA inputs; AES/EBU, coaxial and optical digital inputs; optical and coaxial digital outputs.

CDR-18	Mfr. List $2,195.00	Call For BSW Price

Don't see the Product you're looking for?
Just ask us.
This catalog contains only a sample of
the products we carry.

ARRAKIS
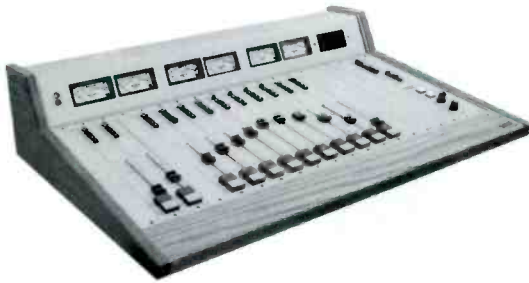
12,000 SERIES - Audio Consoles

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, or with digital control modules for interface with Digilink workstations; 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 module options including inputs, outputs, machine control, source/monitor selectors, DA, digital control and more, plus turret modules including on/off/cough, headphone, monitor level and timers. 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.

Standard 12 Channel models under $6,600 Mfr. List Price
Call For BSW Prices

SCT SERIES - Consoles

SCT Series consoles are exceptionally cost effective without compromising product features. All Arrakis products are engineered for reliability first. No expense is spared in the use of quality components, like Penny and Giles slide faders and ITT Schadow switches.

SCT Series **Features:** VCA level controls; DC controlled switches; 10 watt per channel monitor amp; 2 watt cue amp & 2 watt headphone amp; solid oak end panels and armrest; modular regulated power supply; mono mixdown; telephone mix-minus; remote start (except 150SC); 2-year warranty. Call for console dimensions.

150SCT6S	6 channel, 18 inputs	Mfr. List $2,495.00
500SCT8S	8 channels, 25 inputs	Mfr. List $3,595.00
2100SCT12S	12 channel, 34 inputs	Mfr. List $5,995.00
1500SCT8S	8 channel, 28 inputs	Mfr. List $4,495.00
2000SCT12S	12 channels, 24 inputs	Mfr. List $4,995.00

Call For BSW Prices

ARRAKIS

1200 SERIES - Audio Consoles

The 1200 Series consoles are perfect consoles to complement today's digital storage/automation/production systems. The 1200-5 is a 5 channel, 10 input, stereo output console, 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.

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 inputs; mono cue w/Autocue; VCA control of all faders and DC control of all audio switching; control interfaces for Digilink workstations; >100 dB dynamic range; .02% THD. **Options:** control interface for DL4 workstation (DL4-1200). Dimensions: 15"W, 23"W or 30.25"W x 12"D x 7"H

1200-5	Mfr. List $1,795.00	Call For BSW Price
1200-10	Mfr. List $2,995.00	Call For BSW Price
1200-15	Mfr. List $3,995.00	Call For BSW Price

AEQ

BC300 - Audio Console

An affordable and compact console suitable for a variety of applications from on-air to remotes. **Features:** built-in telephone hybrid; built-in 10 watt/channel stereo monitor amp with programmable studio monitor muting; 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.

|		
BC300	Mfr. List $1,975.00	Call For BSW Price
BC312	Mfr. List $2,795.00	Call For BSW Price

BC500A - Audio Console

Now you can have the flexibility of a modular console at a very affordable price with the AEQ BC-500A. Basic configuration includes 2 mono mic/line modules, 5 dual line modules, external telephone hybrid interface I/O, main stereo out, monitor/communication module and 8 blank modules. Additional modules can be added. **Features:** 20 position mainframe; 2-band EQ on mono channels; telephone hybrid interface; extensive control room and studio monitoring; built-in stereo cue speakers; large 16 segment metering for master and AUX or cue. Dimensions: 32.5"W x 23.25"D x 12.5"H.

Basic Configuration $4,400.00 Mfr. List   Call For BSW Prices

ATI
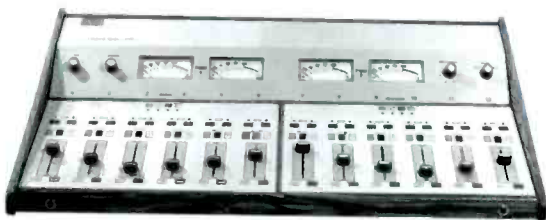
VANGUARD SERIES - Audio Consoles

Vanguard Series Consoles offer superior performance and long term reliability with linear or rotary faders. **Features:** long-life membrane buttons for all switching; VCA control of audio; tough polycarbonate overlay; built-in cue amp and speaker; programmable muting for each input; three-input headphone and monitor selectors; 2 mic preamps. Optional input expanders available. Dimensions: (BC6 & BC8) 23.5"W; (BC12) 32"W x 18.38"D x 8"H.

BC6DSL/R	6 linear or rotary faders, 10 inputs	Mfr. List	$3,299.00
BC8DSL	8 linear faders, 12 stereo inputs	Mfr. List	$3,799.00
BC12DSL	12 linear faders, 24 stereo inputs	Mfr. List	$5,395.00

Call For BSW Prices

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 busses; studio control module with talkback; remote module control of ON/OFF, COUGH and TB; 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: 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.

R60-8	Mfr. List $4,977.00	Call For BSW Price
R60-12	Mfr. List $7,097.00	Call For BSW Price
R60-18	Mfr. List $9,747.00	Call For BSW Price

AUDIOARTS

R-16 - Audio Console

The R-16 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 3 blank slots that can be loaded with optional accessory modules. **Features:** modular construction; program, audition and cue buses; machine start/stop switches; built-in cue speaker; studio talkback; gold audio switches; gold edgecard connectors; conductive plastic faders and monitor pots; fully burned-in socket-mounted ICs; top-rate documentation. Dimensions: 23"W x 17"D x 6.8"H. **Options:** LS-16 stereo line selector; FF-1 full-function tape remote; SS-3 start/stop tape remote; hot stamped OFF buttons; color fader knobs

R16-10	ten channel	Mfr. List $3,973.00	Call For BSW Price
R10-6	six channel	Mfr. List $2,695.00	Call For BSW Price

R-5 - Audio Console

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

AUTOGRAM

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/TV20	Mfr. List $13,451.00	Call For BSW Price
R/TV12 (not shown)	Mfr. List $11,153.00	Call For BSW Price

PACEMAKER SERIES - Audio Consoles

Pacemaker consoles offer an incredible amount of flexibility without an enormous price tag. 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 is 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. 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 $6,365.00
1032	10 channels, 32 inputs	Mfr. List $7,527.00
1644	16 channels, 44 inputs	Mfr. List $9,493.00

Call For BSW Prices

MINI-MIX SERIES - Audio Console

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

DIXON

NM-250 - Audio Console

The Dixon Systems NM-250 mixer is designed for 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.

NM-250   Mfr. List $1,195.00   Call For BSW Price

FIDELIPAC

MX/D - Digital Audio Console

The MX/D lets you experience the benefits of a completely digital signal path without losing the familiarity of operation of analog on-air consoles. **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 provides 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

Digital Consoles

with a better difference

ROC-10
Starting at under $10,000

Quality Audio
Built on a farm of powerful 32-bit floating point DSPs, the console creates a true high quality sound. Plus, your can choose from internal sample rates of 32, 44.1 or 48 kHz for a full 20k bandwidth.

Easily connect all your sources
Analog signals are handled by 20-bit A/D, D/A converters and can be balanced or unbalanced. Sample rate converters are included on each digital input to allow a variety of different digital audio sources to be easily installed. Connect up to 24-bit signals in both S/PDIF and AES/EBU formats.

Saves you time & money
All audio is processed on hot-swappable plug-in cards in a separate audio engine that can be placed up to 1,000 feet away. This simplifies wiring and makes it easy, fast and economical to install and services - even while On Air. This modular format allows you to buy what you need today and easily expand to meet your changing needs.

Lots of Inputs & Outputs
A loaded engine will handle 64 audio inputs and 64 audio outputs in any combination of digital or analog.

Flexible configuration
You can easily change inputs from mono to stereo, create mix minus busses and more. All functions are software defined giving you total & quick control. The PC based setup program makes changing configurations a breeze.

Ergonomic
The console is designed with a low profile to take into consideration computer monitors. Its narrow depth means monitors can be smaller, closer & easier to read. Its style will compliment your studio.

More with less space & money
Total fader assignability allows a smaller, more economical surface to do more. Any fader can handle any input - mic or line, mono or stereo.

VU meters
Meters for main output and monitor channel offer simultaneous VU and PPM with easy to read LED displays. Meter ballistics conform to international standards.

Smart choice for a wise investment
Four channel mic pre-amps & machine control are standard. Each engine supports multiple control surfaces and will easily interface with hard disk audio storage systems.

Factory support
With your modem, factory help is available for diagnostics, trouble shooting, reconfiguring or software updates.

Logitek
www.logitekaudio.com

FIDELIPAC

MX SERIES - Audio Console

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; and virtually indestructible control surfaces.

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

LOGITEK
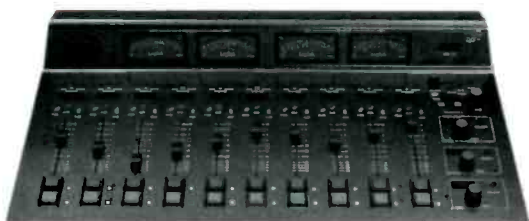
ROC-10 - Digital Console

The ROC-10 connects your digital and analog sources with ease and mixes them all in the digital domain using the SHARC processor.

Features: up to 64 inputs and outputs. Analog inputs/outputs have 20 bit AD/DA convertors. Digital inputs accept AES or S/PDIF and have sample rate convertors for each; a separate audio engine allows you to keep your audio files out of the control room; ROC-10 control surface is ergonomically designed with 10 assignable faders for total flexibility; allows for a second control surface, eliminating the need for a second console; second control surface can also double as a routing switcher; LCD diplay shows audio sources and their destinations. ROC-10 consoles include audio engine, one control surface, power supply and one 4-channel mic preamp.

|			
ROC-1024	24 Channels	Mfr. List	$9,995.00
ROC-1032	32 Channels	Mfr. List	$11,395.00
ROC-1048	48 Channels	Mfr. List	$12,895.00
ROC-1064	64 Channels	Mfr. List	$15,045.00
ROC-10C	extra control surface	Mfr. List	$3,995.00
MP-4	extra 4 chnl. mic preamp	Mfr. List	$525.00
AEP-100	redundant power supply	Mfr. List	$399.00

Call For BSW Prices

LPB

7000 SERIES - Audio Console

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
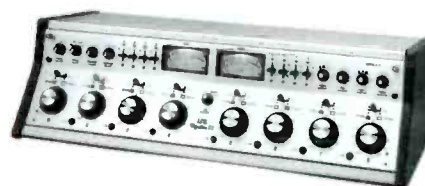
SIGNATURE III SERIES - Audio Consoles

These consoles offer real ruggedness and demonstrated RFI immunity with 6, 8, 10 and 12 channel models. **Features:** modular electronics located on two mother boards; dual line level outputs; three-position output director switch; built-in cue amp/speaker and monitor amp; mono/stereo input switch enabling a mono source to be split to the left and right mono buses; muting and tally relays; 3 inputs per mixer.

Prices Range From $4,595.00 to $7,295.00 Mfr. List
Call For BSW Prices

SOUNDCRAFT

RM100 - Audio Console

Modular consoles, available in three mainframe sizes, operate on voltages between 90V and 240V, 50-60Hz. **Features:** mono mic/line, stereo and telephone input modules; channel on/off and control/status logic; stereo program, stereo audition, mix-minus and mono output buses; standard meter bridge includes a pair of VU meters; deluxe meter bridge adds a digital timer and internal cue speaker; standard packages shown below include 1 or 2 mono modules, a telephone module and the balance in stereo line modules. The 12- and 20-channel standard packages feature the deluxe meter bridge. Custom loading available. Dimensions: (170STD) 17"W; (1701STD) 22.7"W; (172STD) 33.6"W x 9.68"H x 17.2" D.

Prices Based On Configuration

The image at top-right header shows "Consoles" with "Production / Mixers" subtitle.

ALESIS

STUDIO 12R - Audio Mixer

The Studio 12R is a 12-channel, rack-mountable mixing console that offers eight ultra-high-quality microphone preamps and 60mm faders on each channel. **Features:** two bands of shelving EQ (12 kHz and 80 Hz) allow 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.

|		
STUDIO 12R	Mfr. List $449.00	Call For BSW Price
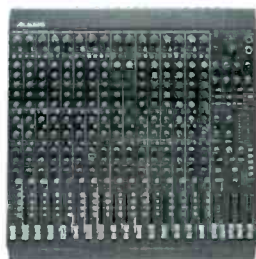
STUDIO 32 - Audio Console

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 preamplifiers 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; six aux sends (2 pre-fader and 4 post-fader); precise pan controls, mute and solo switches; XLR and TSR I/Os.

STUDIO 32	Mfr. List $1,299.00	Call For BSW Price

ALLEN & HEATH
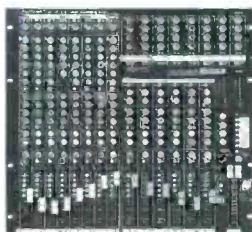
WZ20:8:2 - Audio Console

The WZ20:8:2 is a dedicated 8-track recording console which lets you make professional quality recordings with ease. Excellent 4-band EQ, 28 inputs at mixdown, 8 mic/line and 6 stereo inputs, 100mm faders and an outstanding monitoring system bring you professional results. **Features:** dedicated stereo inputs for broadcasting applications; 6 aux sends with individual send controls including stereo cue; 8 tape return inputs with aux routing; mixdown mode switch; phantom power for mono inputs; talkback mic input; 3 color, 12 segment LED level meters; balanced XLR on main input and output, TRS jacks on others.

WZ20:8:2	Mfr. List $1,295.00	Call For BSW Price

AUDIOARTS

MR-40 - Audio Consoles

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 direct 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; metering for 4 subgroups and stereo program. 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 $7,995.00	Call For BSW Price

MACKIE DESIGNS

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, log-taper 60mm faders; 3-band EQ with sweepable mids on all inputs; low-cut input filter; unique ultra-high frequency EQ enhancer on sub groups; 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

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 providing excellent value for the 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.

16·8	16 channel	Mfr. List	$3,199.00
24·8	24 channel	Mfr. List	$3,999.00
32·8	32 channel	Mfr. List	$4,999.00
24·E	24 channel expander	Mfr. List	$2,999.00
MB·16	meter bridge	Mfr. List	$699.00
MB·24	meter bridge	Mfr. List	$799.00
MB·32	meter bridge	Mfr. List	$899.00
MB·E	meter bridge	Mfr. List	$699.00
SC·8	sidecar	Mfr. List	$399.00
Floor Stands	(all Models)	Mfr. List	$299.00

Call For BSW Prices

LM3204 - Audio Mixer

Mackie's LM-3204 packs more inputs into less rack real estate for less money than ever before - 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; intuitive layout; 3-band EQ; two of Mackie's famous studio grade mic preamps with input trim that can be patched to any of the 16 channels; 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; switch for sending AUX return 4 to monitor mix only (for listening to external cue sources or hearing a pre-program mix with effects). Dimensions: 19"W x 8.73"H (5 RU) x 9.66" D. **Options:** LM3204E 16 channel mixer expander.

LM3204	Mfr. List $999.00	Call For BSW Price
LM3204E	Mfr. List $899.00	Call For BSW Price

MACKIE DESIGNS

CR1604VLZ - Audio Mixer

The latest rendition of the mixer that started the Mackie craze, now with VLZ architecture for optimum audio performance. **Features:** 16 mic/line inputs with Mackie's famous 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 adapter for roto pod; MixerMixer lets you combine up to 12 outputs from any 3 mixers.

CR1604VLZ	Mfr. List	$1,199.00	Call For BSW Price
RP1604VLZ	Mfr. List	$25.00	Call For BSW Price
MIXERMIXER	Mfr. List	$229.00	Call For BSW Price

MS1402VLZ - Audio Mixer

Mackie's newest VLZ mixer offering performance that's dead quiet with absolute minimum crosstalk. **Features:** 6 mic inputs with Mackie's famous high-gain 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; KEB31 carrying case.

MS1402VLZ	Mfr. List $599.00	Call For BSW Price
RM1402VLZ	Mfr. List $12.00	Call For BSW Price

MACKIE DESIGNS

MS1202VLZ - Audio Mixer

This second-generation mixer is built around Mackie's VLZ architecture used in Mackie's acclaimed 8·Bus consoles, offering performance that's dead quiet with absolute minimum crosstalk. **Features:** 4 mic inputs with Mackie's famous high-gain 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.

MS1202VLZ	Mfr. List $429.00	Call For BSW Price
RM1202VLZ	Mfr. List $12.00	Call For BSW Price

SOUNDCRAFT

DELTA/K1 SERIES - Audio Consoles

Soundcraft Delta Series consoles represent the ultimate in audio performance and styling, drawing their heritage from the famed British console tradition. Whether your field of focus is radio/TV broadcasting, music performance/production or video/post, Soundcraft has a model to fit your application. The K1 is the affordable, 4-bus live mixing board in 8, 16, 24 and 32 channel versions with modular input section and fixed output section. Delta DLX is the popular 4-bus, fully modular recording console also in 8, 16, 24 and 32 channel versions. Delta 8 is a modular 8-bus production console and Delta AVE is designed specifically for audio for video editing and interfaces with virtually any type of edit controller. Call a BSW representative for more complete information and pricing.

Call For Pricing And Configuration

SPIRIT
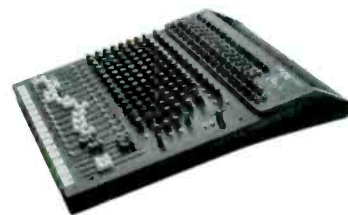
RW5347 FOLIO SX - Audio Mixer

Here's a portable mixer with plenty of inputs for even complex mixes in the field. **Features:** 12 mono mic/line input channels; 4 stereo line inputs (unbalanced RCA and balanced TRS) 3-band EQ with swept mids on mono channels; 3 AUX sends on all input channels (1 pre, 1 post, and 1 pre/post switchable); 3 AUX returns; stereo main and sub mix buses; 100mm faders on all input channels; PFL (cue) on all input channels; insert points on all channels; switchable pre/post direct outs on channels 1-8; dedicated 2-track input; TRS balanced group and main outputs. Dimensions: 18.9"W x 20.2"D x 2.8"H.

RW5347	Mfr. List $769.95	Call For BSW Price
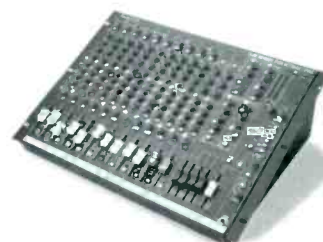
RW5141 FOLIO RACPAC - Audio Mixer

This multi-purpose mixing console has all the qualities of a recording console, at the same time meeting the unique requirements of live performance mixing. **Features:** 14 input channels with up to 28 inputs at mixdown; 4-bus group section; low noise, high gain mic preamps and 3-band EQ with swept mids on channels 1-14; 2 stereo line inputs with 2-band EQ; 60mm faders on all input channels; stereo solo on all input channels; direct outs on all mono channels; 6 versatile AUX sends; dedicated 2-track input; TRS balanced group and main outputs. Dimensions: 19"W x 13.5"D x 6.5"H.

RW5141	Mfr. List $1,199.00	Call For BSW Price

RW5197 PRO TRACKER - Audio Mixer

The Pro Tracker was designed to provide a compact (3 RU high) mixing system for use with modular digital multitrack recorders, providing the most clean, most direct signal to the recorder possible.

Features: high-gain mic preamps (-129dBu EIN) available on each of the 8 input channels; 8 independent line level inputs; 60mm faders; a 100 Hz high-pass filter; a fast action limiter with adjustable threshold; pre-fader listen (cue) on each channel; switchable pre/post fader AUX send on each channel; channel insert returns can be switched between monitor and channel paths; Mix to 7/8 switch allows 6 unmixed channels to be bounced down to channels 7 and 8 on the same 8-track machine; a comprehensive headphone system allows monitoring of the dedicated 2-track inputs, the AUX bus, mix 7&8 or the main stereo mix; 100-240 volt universal power supply; cascade expansion jacks; balanced/unbalanced inputs (mic XLR, line TRS); balanced XLR and unbalanced RCA main outs.

RW5197	Mfr. List $1,199.00	Call For BSW Price

SPIRIT

RW5157 FOLIO LITE - Audio Mixer

Spirit's very rugged and versatile compact mixer is also very affordable. **Features:** 4 balanced mic/line inputs with high-gain, low-noise mic preamps; 4 stereo line inputs; 2-band EQ; 2 AUX sends; phantom power; PFL (cue) buttons; stereo AUX return; 2-track return inputs; 3-color, 10-segment LED meters; insert on main mix bus; separate main and monitor controls; balanced TRS main and monitor outputs. Dimensions: 12"W x 10.5"D x 2"H. **Options:** carrying bag KEB22

RW5157	Mfr. List $399.95	**Call For BSW Price**

RW5353 FOLIO NOTE PAD - Audio Mixer

DAT quality audio and versatile features in the smallest mixer available from Spirit. **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 RIAA 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 outputs. Dimensions: 9.6"W x 8.9"D x 2"H. **Options:** carrying bag KEB22.

The 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 $279.95	**Call For BSW Price**
RW5427	POWERPAD	Mfr. List $399.95	**Call For BSW Price**

TASCAM

M1600 SERIES - Audio Consoles

The console designed for today's digital multitracks - outstanding sound, great features and very affordable. **Features:** 16 channels with 16 balanced line inputs and 8 high performance mic preamps (expandable to 16); 3 band EQ with mid sweep; 1 stereo and 4 mono AUX sends; stereo in-place solo; three-way selectable AUX control; mute and insert points on every channel; balanced TRS main and monitor outputs. Dimensions: (M1600/16) 28.1" W; (M1600-24) 37.1"W x 23" D x 7.5"H (shown with optional meter bridge).

M1600/16	Mfr. List $1,699.00	**Call For BSW Price**
M1600/24	Mfr. List $2,199.00	**Call For BSW Price**

TASCAM

TM-D8000 - Digital Audio Console

Geared toward the production and post-production professional, the TM-D8000 digital mixer takes a greater "hands on" approach than other similar products by incorporating a multitude of faders and a full-function transport controller designed to make the console fast and easy to use in any production environment. Featuring a wealth of innovative functions, the transport controller provides support for TASCAM sync I/O, Sony P2 and MIDI machine control protocols. The mixer provides a variety of digital inputs including TDIF (Tascam Digital Interface), AES/EBU and S/PDIF as well as snapshot and dynamic automation, digital AUX sends and returns, an integrated meter bridge and much more. The basic configuration of the console is 40 mono inputs and 6 stereo inputs, each with their own fader, and assignable to any of the 8 buses, stereo mix or directly to the digital tape sends and returns via TDIF-1.

Features: 16 high-quality analog input channels; 3 sets of TDIF tape returns providing 24 tape channels; 4-band full-parametric EQ on all input channels and tape returns; 6 analog AUX sends (2 switchable to AES/EBU digital); 6 stereo analog returns (1 switchable to AES/EBU digital); 8 channels of assignable digital dynamics; full-function meter bridge; analog insert points on every channel; jog/shuttle wheel for accurate cue points; 99 scenes of snapshot automation stored in a library; 8 digital dynamic processors include Gate, Compression and Expansion; Control Pod consisting of 20 rotary and 32 switch controllers for controlling parameters including EQ, AUX sends, trim, pan, phase reverse, bus and stereo mix assignments, insert matrix assignments and cut and fader group assignments; digital I/Os; balanced XLR and unbalanced RCA analog I/Os.

TM-D8000	Mfr. List $9,999.00	**Call For BSW Price**
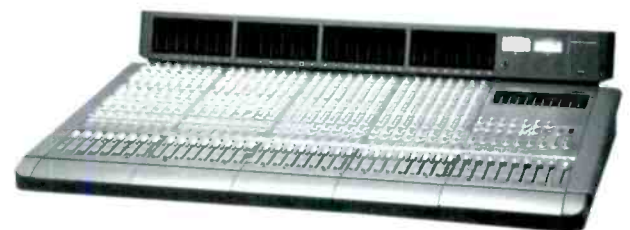
M2600MKII SERIES - Audio Consoles

M2600MKII is Tascam's affordable 8-bus console series designed specifically for recording. **Features:** premium quality mic preamps; direct-to-tape or subgroup assign on each channel; shelving and semi-parametric sweep EQs can be used in either the monitor or channel paths; 6 dedicated pre/post sends (two stereo); two independent signal paths on each channel strip; 2 independent stereo cue mixes; balanced tape returns; talkback and solo capabilities; balanced XLR main and 2-track outputs. Dimensions: (M2600/16) 32.5" W; (M2600-24) 41.8"W; (M2600/32) 51" W x 23" D x 7.5"H **Options:** meter bridges MU2616, MU2624 and MU2632.

M2600/16MKII	Mfr. List $3,199.00	**Call For BSW Price**
M2600/24MKII	Mfr. List $3,999.00	**Call For BSW Price**
M2600/32MKII	Mfr. List $4,999.00	**Call For BSW Price**

TASCAM

M-08 - Audio Mixer

This rugged, compact mixer is ready to go where you go, providing versatility, durability and great sounding audio mixing for applications from remotes to studio work. 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: carrying bag KEB22.

M08	12-channel mixer	Mfr. List $349.00	Call For BSW Price
RM-08	rack ears	Mfr. List $15.00	Call For BSW Price

YAMAHA

O2R - Digital Audio Mixers

Yamaha's 40-input/8-bus fully automated digital mixing console. Features: 16 balanced mic/line inputs (8-XLR - 8 TRS); 4 stereo line inputs (TRS); 4 slots for optional I/O cards; internal automation system with 100mm motorized faders; "snapshot" scene memory; dedicated controls for setting routing, AUX sends, pan and EQ; virtual control modules shown on the large graphical display; 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"W x 27"D x 9"H. Options: digital interface cards for DA-88, ADAT, AES/EBU and Yamaha formats.

O2R	Mfr. List $8,699.00	Call For BSW Price
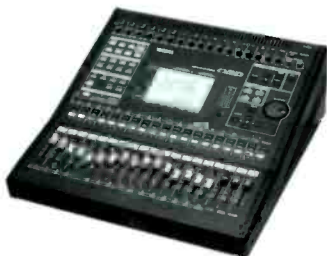
O3D - Digital Audio Mixers

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 60mm 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

YAMAHA
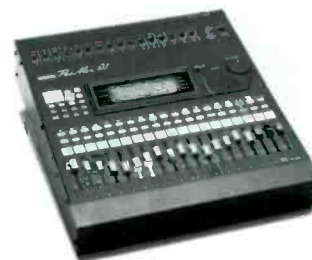
PROMIX01 - Digital Audio Mixer

An affordable entry-level digital mixer for production or live sound. Features: 16 balanced inputs (8-XLR and 8-1/4" phone jack); instant recall with 50 scene memories; dynamic automation via outboard MIDI sequencer; two internal digital effect processors; three assignable stereo compressors; 3-band parametric EQ; fader grouping; >100 dB of dynamic range; digital outputs; large, backlit LCD display; balanced XLR and unbalanced 1/4" analog outs. Dimensions: 17"W x 19" D x 5"H

PROMIX01	Mfr. List $2,199.00	Call For BSW Price

MX400 SERIES - Audio Mixers

A multi-purpose 4 bus mixer in 12, 16 and 24 channel configurations. Features: two balanced inputs per channel (one XLR mic with phantom/one TRS line); 3-band EQ with mid sweep and 80 Hz low pass filter; 5 AUX sends; channel on/off buttons; PFL (cue) buttons; 4 stereo inputs with 2-band EQ; Dimensions: (MX400-12) 27"W; (MX400-16) 30.25"W; (MX400-24) 39.6"W x 23.5"D x 7.125"H.

MX40012	Mfr. List $1,599.00	Call For BSW Price
MX40016	Mfr. List $2,099.00	Call For BSW Price
MX40024	Mfr. List $2,699.00	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

ELECTRO-VOICE

ENTERTAINER SYSTEM II - PA System

The Entertainer™ II powered mixing system is a high performance, easy to transport "plug and play" system for PA applications including remote broadcasts, churches, schools, clubs and more. **100M Mixer Features:** 100 watt per channel built-in power amplifier; 8 mic/line input channels with 3-band EQ; 2 line level input channels; stereo or main/monitor output operation modes; 8-band stereo output graphic EQs; built-in reverb; phantom power; XLR mic/line inputs; weight: 36 lbs. **SX100 Speaker Features:** polypropylene enclosure is rugged and roadworthy, yet very light; constant directivity horn with titanium compression driver; 12" LF driver; built-in handle and stand adapter; integral hanging points for permanent installations; I/O via parallel 1/4" jacks; weight 32 lbs. each

      ENTERTAINER II   **Mfr. List $2,869.00**   **Call For BSW Price**

JBL

EON POWER15 SYSTEM - PA System

Everything you need for an easy-to-set-up sound system including mixer, speakers, amplification, microphones and cables. **EON Mixer Features:** 6 XLR mic and 2 stereo line level inputs; 3-band EQ on mono channels; 2-band EQ on stereo channels; monitor and effects sends and returns; 2 AUX line inputs (RCA and TRS); signal present and peak overload LEDs; RCA tape outputs; balanced XLR stereo and simultaneous mono outputs. Weight: 14 lbs.

EON Power 15 Speaker Features: controlled directivity HF horn with 1 3/4" compression driver; 15 LF transducer; rugged molded plastic enclosure; bi-amplification with built-in crossover (130 watts for LF section and 50 watts for the HF section); power LED; carrying handles at proper balance points; balanced XLR mic/line level input and parallel output. Weight: 49 lbs.

System Accessories: 2 E50S JBL microphones and all necessary connecting cables.

    EON Power15 System   **Mfr. List $2,177.00**   **Call For BSW Price**

For Associated Cabling See Pages 156, 157
For Speaker Stands See Page 126

SPIRIT/JBL

POWERSTATION/MR SERIES - PA System

This high quality sound system comes complete with Lexicon digital effects. **Powerstation Mixer Features:** 8 mono mic/line inputs with studio-grade mic preamps; 2 stereo inputs; 3-band EQ on all channels; high-pass filters on mono channels; inserts on mono channels and main buss; 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; power amp rated at 175 watts/channel into 8 ohms; flexible patch section lets you patch to the main mix, graphic EQs and power amp channels independently; TRS balanced outputs and patchpoints; banana plug speaker outputs. Weight: 42 lbs.

MR925 Features: 15" low frequency driver with a pure titanium compression driver mounted to a 100° x 80° Bi-Radial® horn; rugged OBS hardwood enclosure; built-in tripod stand socket; overload protection circuitry; built-in carrying handles. Weight: 57 lbs.

RW5191	powered mixer	Mfr. List $1,599.95	**Call For BSW Price**
MR925	loudspeaker	Mfr. List $768.00 ea.	**Call For BSW Price**

YAMAHA

EMX/SV SERIES - PA System

Compact and affordable, this system is great for simple remotes and music or speaking applications in small rooms. **EMX Mixer Features:** 6 input channels with mic and line level jacks (channels 5 and 6 have dual line input jacks for stereo sources); 3-band EQ and switchable phantom power on all input channels; monitor and effects sends on each channel; built-in, high-quality digital reverb; AUX return; dedicated tape machine inputs and outputs; two 7-band graphic EQs—one on the main output, one on the monitor output; dual 200 watt power amplifiers with flexible I/O patching; switchable power limiter; 5-segment LED level meters; XLR and 1/4" channel inputs. Weight: 33 lbs.

SV10 Speaker Features: HF horn with damage resistant tweeter and 10" LF woofer; heavy-duty steel grille; trapezoid cabinet design; carrying handle; 3-year warranty. Weight: 29 lbs.

EMX 640	powered mixer	Mfr. List	$649.95	**Call For BSW Price**
SV10	loudspeaker	Mfr. List	$199.00 ea.	**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 a commentator to talk on-air as well as communicate directly with the studio; front panel telephone keypad with pulse/tone dialing; an EQ boost to compensate for poor quality phone audio; front panel metering for program, talkback and battery level; operates from external AC power or internal rechargeable Ni-Cad batteries with average life of 4 hours; built-in tone oscillator and digital identifier; balanced XLR inputs and outputs.

MP10	Mfr. List $1,495.00	Call For BSW Price

PME-02T - Portable Mixer

A rugged portable mixer for remotes etc. **Features:** three mic/line inputs plus one stereo line input; two-color input level indicators; 10-segment LED output meter; balanced program and AUX/headphone outputs; cascade multiple units or use with the TLE-02 portable extender/hybrid (see below); powered via AC transformer or 8 AA size batteries. XLR/1/4" mono and minijack stereo inputs; XLR program and minijack AUX/headphone outputs.

PME02T	Mfr. List $510.00	Call For BSW Price

TLE02 - Mixer/Extender/Hybrid

The TLE-02 from AEQ combines a digital frequency extender, digital hybrid and mic/line mixer in a compact unit about the size of a small tape recorder. **Features:** two inputs (mic/line and an AUX); front panel telephone keypad with pulse/tone dialing and an internal digital hybrid that allows cues to be sent to the talent without causing any disturbance in the program. Power is supplied by AC transformer or 8 AA size batteries for approximately 2 hours of operation. Two units (send/receive) required for frequency extended mode.

TLE02	Mfr. List $1,130.00	Call For BSW Price

For RPU Equipment See Pages 109-111

ATI

NANOAMP MX SERIES - Compact Mixers

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; three low noise, balanced mic/line inputs with pan; balanced stereo outputs; 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.

MX100XLR Features: three low noise, balanced mic/line inputs; phantom power; a single balanced or unbalanced output; headphone output; XLR I/O connectors. **Options:** input expander; power supply; rack adaptors.

MX200 Features: three balanced mic/line inputs; phantom power; balanced line level stereo out; headphone output; XLR I/O connectors. **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	Mfr. List $799.00
MX100XLR	mono mic/line mixer	Mfr. List $359.00
MX200	stereo mic/line mixer	Mfr. List $599.00
XP100	4-input switchable mono mic/line expand.	Mfr. List $289.00
XPS100	4-input panned stereo switchable mic/line	Mfr. List $549.00
XPS200	2-input stereo line with level adjustments	Mfr. List $379.00

Call For BSW Prices

COMREX

CODEC BUDDY - Remote Console

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.

CODEC BUDDY	Mfr. List	$1,900.00	Call For BSW Price
BUDDY Case	Mfr. List	$175.00	Call For BSW Price

ELECTRO-VOICE

ELX1A - Remote Mixer

The ELX1A offers low noise performance in a single rack space. **Features:** four balanced inputs, selectable mic or line level; a single balanced output with switchable limiter; low-cut filters; phantom power; built-in tone oscillator; front panel headphone output will drive headphones or small speaker.

| ELX1A | Mfr. List $750.00 | Call For BSW Price |

HENRY ENGINEERING

STEREOMIXER - Utility Mixer

Features: 8 line level inputs (4 stereo or 8 mono); bridging inputs 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.

| STEREOMIXER | Mfr. List $250.00 | Call For BSW Price |

MICROMIXER - Utility Mixer

This four-input, two-out stereo utility mixer is the same size as the popular Matchbox. **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.

| MICROMIXER | Mfr. List $195.00 | Call For BSW Price |

INTELIX

8002MCB - Mic/Line Mixer

This high-quality mixer was designed for professional use for broadcast, sound reinforcement and recording applications. **Features:** 8 balanced mic/line inputs with rear panel 40dB variable gain/trim control for level matching; additional AUX line level input can be used to link multiple units; switchable phantom power; low-cut input filter; compressor limiter with threshold and ratio controls; dual output bus configuration allows for configurations such as mix minus and cueing; multi-color LED bar graph indicates peak or average output levels; balanced XLR inputs and outputs.

| 8002MCB | Mfr. List $599.00 | Call For BSW Price |

KACES

KEB SERIES - Carrying Bags

Kaces carrying bags are perfect for taking small portable mixers into the field. Each bag features a large zippered compartment for holding your favorite compact mixer plus a smaller zippered side compartment for cables, mics, tools or whatever. These durable nylon bags come in a number of sizes and work well with small recorders, effects units and more. Call BSW for the correct size bag for your equipment.

| KEB Bags From $24.95 To $54.95 Mfr. List | Call For BSW Price |

JK AUDIO

REMOTEMIX C+ - Utility Mixer

Conduct remote broadcasts via cellular or standard phone lines with the RemoteMix C+ portable phone line hybrid/mixer. **Features:** two XLR microphone inputs; tape in and out; works with a cell phone using a fax/modem adaptor; runs 36 hours on two 9-volt batteries; AC adaptor included.

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

MARTI

GX440 - Remote Mixer

The GX440 provides all the features you need for great sounding remotes. **Features:** 4 mic inputs; a headphone cueing channel; 2nd phone line capability for studio cues; radio monitor switch and jack for local off-air monitoring; up/down timer; high capacity rechargeable batteries with charger; high level loop and AUX outs; pulse/tone dialing; low frequency extender interface; test tone oscillator; squelch/mute; bass boost; audio limiter; headphone amp input; VU bargraph with peak indicator.

GX440	remote mixer	Mfr. List	$1,295.00
191007	aluminum carrying case	Mfr. List	$100.00
190401	batteries (set of 6)	Mfr. List	$20.00
190206	hard plastic case	Mfr. List	$30.00
	Call For BSW Prices		

RANE

SM26B - Splitter/Mixer

Here is an extremely versatile, single-rack-space mixing tool that can act as a 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 $429.00	**Call For BSW Price**

RDL

RUMX5 - Mic/Line Mixer

This compact, 5-channel mixer is only 1/3 rack space wide. **Features:** 5 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 are via barrier strip; flexible mounting options available. For RDL stick-on mixers see page 82.

RUMX5	Mfr. List $242.00	**Call For BSW Price**

SHURE

FP410 - Automatic Microphone Mixer

Now you can operate a multiple mic mix with ease with the FP410. Patented IntelliMix technology allows for smooth mixes by activating mics for speech, but not 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**

FP42 - Portable Stereo Mixer

Basically a stereo version of the famous M267. **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**

SHURE

M367 - Microphone Mixers

The M367 is a very rugged and quiet compact mixer in the tradition of the 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**

M267 - Microphone Mixers

The most popular field production mixer ever. **Features:** 4 balanced mic/line inputs; phantom power; low-cut switches; LED peak indicator; switchable peak/limiter; AC or battery operation with battery check button; headphone jack with level control; XLR inputs; XLR and binding post outputs. **Options:** A268R rack panel.

M267	Mfr. List $625.00	**Call For BSW Price**

ZERCOM

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; V.U. 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-Z II - Remote Mixer

The MAX-ZII is an abbreviated version of the MAX-Z 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.

MAX-Z II	Mfr. List $750.00	**Call For BSW Price**

FOSTEX
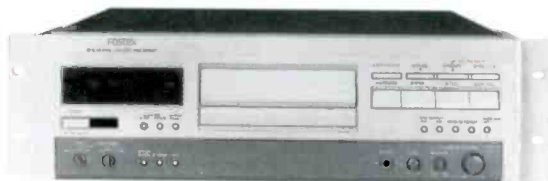
D5 - DAT Recorder

The DS provides cost-effective DAT mastering with useful pro 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 S-pin DIN connector for wiring remote control functions.

| DS | Mfr. List $1,495.00 | Call For BSW Price |

D15 - DAT Recorder

The lowest priced timecode capable DAT for professional audio and video studios. **Features:** instant start without pre-loading; RAM buffer and newly designed 4-motor transport provides very quick and responsive operation; rotary wheel provides jog/shuttle location and audible scrubbing; built-in chase mode functions; front panel safety lockout; parallel interface for remote control wiring; digital bargraphs with peak hold; variable speed operation; balanced XLR and unbalanced 1/4" I/O. **Options:** 833S external sync card for video reference; 8336 serial card for RS422 control.

| D1S | Mfr. List $3,295.00 | Call For BSW Price |

OTARI

DTR-8 - DAT Recorder

Otari's second-generation professional DAT machine designed for continuous use. **Features:** 3 sample rates (48 kHz, 44.1 kHz and 32 kHz); high speed search at a maximum of 300-times play speed by using TOC information on tape; up to 60 characters for titling each start ID; can copy CD Q code for start IDs; no SCMS copy prohibit function; parallel remote control capability; large transport controls; balanced XLR analog I/O; AES/EBU and S/PDIF digital I/O.

| DTR-8 | Mfr. List $2,000.00 | Call For BSW Price |

PANASONIC

SV4100 - DAT Recorder

The new DAT quality standard for broadcasting, post-production, studio mastering/editing and live performance. **Features:** S second RAM buffer that allows instant start as opposed to the standard .07 second start time; accurate PNO/cue assignment with S programmable cue locations; cue rehearsal and frame accurate trim; S-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.

| SV4100 | Mfr. List $2,950.00 | Call For BSW Price |

SV3800 - DAT Recorder

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.

| SV3800 | Mfr. List $1,695.00 | Call For BSW Price |

SV3900 - DAT Recorder

The SV3900 is designed for versatility and is compatible with virtually all editing controllers and automation systems. **Features:** full remote control via parallel serial port that can be switched to follow ES-Bus or P-2 protocols; selectable sampling rates (44.1 and 48 kHz); RS422 control ports; balanced XLR analog I/O; AES/EBU and coaxial digital I/O. **Options:** SH-MK390 full function wired remote control that includes all transport controls, a keypad and a shuttle search wheel.

| SV3900 | Mfr. List $2,895.00 | Call For BSW Price |
| SHMK390 | Mfr. List $495.00 | Call For BSW Price |

SONY

PCM-R700 - DAT Recorder

Sony's top-of-the-line non-timecode DAT recorder. **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.

| PCM-R700 | Mfr. List $2,695.00 | Call For BSW Price |

PCM-R500 - DAT Recorder

This machine is a slightly scaled down vesion 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.

| PCM-R500 | Mfr. List $1,875.00 | 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 new features added, 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.

| PCM-R300 | Mfr. List $995.00 | Call For BSW Price |

For DAT Cleaning Tape See Page 65

TASCAM

DA30MKII - DAT Recorder

A very robust and flexible DAT recorder with professional audio interface. **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; 1S-pin parallel remote port; balanced XLR and unbalanced RCA analog inputs and outputs; AES/EBU and S/PDIF digital I/O. **Options:** RC-D30 wired remote control.

| DA30MKII | Mfr. List $1,599.00 | Call For BSW Price |

DA20MKII - DAT Recorder

An affordable rack mount machine with Tascam 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 $1,099.00 | Call For BSW Price |

DA302 - 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 $1,999.00 | Call For BSW Price |

- **32, 44.1 and 48 kHz Recording of Analog Sources**

- **User Set-up Menu**

- **Selectable ID 6 (SCMS)**

- **Coaxial and Optical Digital Interface**

- **Supplied Rack Mount Adapter for Rack Mounting**

- **High Quality A/Ds with Switchable Super Bit Mapping™ Technology**

- **Supplied Wireless Remote Control RM–D9**

PCM-R300
DIGITAL AUDIO TAPE DECK

SONY

HHB

shown with timecode processor

PORTADAT - Digital Audio 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 | PORTADAT | 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

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.

| TCD-D10PROII | Mfr. List $4,000.00 | Call For BSW Price |

TCDD8 - Digital Audio Recorder

The TCDD8 combines the compactness and durability of a Walkman and the sound quality of DAT, making it ideal for field recording. **Features:** anti-shock mechanism for stable recording and playback; up to 4 hours of recording time on 4 "AA" batteries; supplied AC adaptor; 3 sampling rates supported; LP mode; automatic/manual recording level; automatic/manual date function and ID subcode; high speed music search; 2 speed cue/review; unbalanced stereo mini jack mic and line inputs and line output; digital I/O via 7-pin jack.

| TCDD8 | Mfr. List $800.00 | Call For BSW Price |

SONY

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 Ni-MH 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.

| PCM-M1 | Mfr. List $999.95 | Call For BSW Price |

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 $1,899.00 | Call For BSW Price |

EVENTIDE

VR204 - 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 allows continuous recording even if 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 |

If you haven't already taken these out for a test drive, here's your chance.

Short/cut™ Editor

The perfect replacement for generations of reel-to-reel tape recorders. Short/cut delivers hard-disk storage, plus fast cut and paste waveform editing. Add an optional Zip™ drive and get low-cost copies. This editor is fast enough for on-air use, and tough enough for the road. So take Short/cut out for a test drive and watch it perform.
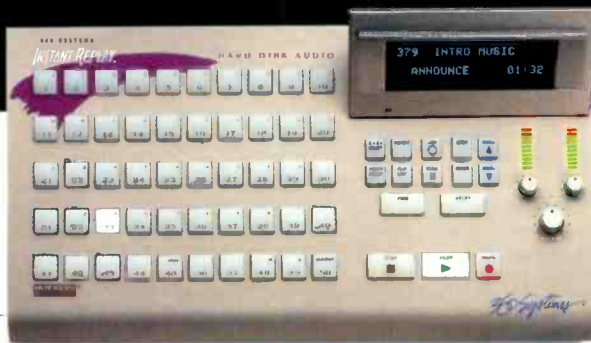
Instant Replay®

Instant Replay puts a thousand audio clips right at your fingertips. Sound effects, music, station ID's - up to 24 hours of your greatest material. And with 50 Hot-Keys, you can make your shows as spontaneous as you'd like. With everything titled, timed and ready to play, you'll find Instant Replay fast, fun and easy to use. So take us up on our offer to go for a test drive. It's on us.

DigiCart®/II Plus

The new DigiCart/II Plus puts up to 50 hours of audio on hard disk, and now includes the popular Zip™ drive for low-cost storage. As always, it's your choice of linear or Dolby®AC-2 recording, plus precise editing and powerful playlisting capabilities. The new "Plus" model delivers all the reliability that has made DigiCart a broadcast standard, and it's now available at a great new price. Ask for a test drive, and put it through the paces at your station.

Drive it Hard

Attention call letter stations.* You're only a phone call away from a free 10-day Test Drive. So try it out. We'll understand if you don't give it back.

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360 Systems

PROFESSIONAL DIGITAL AUDIO

360 SYSTEMS

DIGICART®/II PLUS - Digital Audio Hard Disk Recorder

DigiCart/II PLUS is one of the most successful hard disc recording systems with amazing performance features and a wide range of control options. **Features:** flawless 16-bit recordings, either in linear mode or with Dolby AC-2 data reduction for extended recording times; store up to 24 hours of stereo audio on hard disk and up to 7.5 minutes on removable Zip disks; audio cuts range from 2 seconds to 2 hours or more with sampling rates of 48, 44.1, or 32K; playback options range from locate and play of a single cut to programmed playlists; instant access to 10,000 cuts (stored in 10 directories) with just a few keystrokes; 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; manual or automatic record modes available; digital editing of heads, tails, fades, and gain is nondestructive and sub-frame accurate; a host of menu items provide for user-programmable operational, library and parameter settings, allowing custom configurations as needed; balanced XLR analog I/O; AES/EBU and IEC-958 II digital I/O. New DigiCart/II Plus models include D-NET file transfer network firmware that allows-high speed digital transfers between DigiCart, Instant Replay and ShortCut units. D-NET software is also available for purchase to add network capability older DigiCart machines.

Expanded Storage Options: Hard Disk System Enclosure houses up to five 1 or 2 GByte drives for additional storage of up to 80 hours; HD-1000 1 GByte or HD-2000 2 GByte hard disk drives with installation kit.

D-2710	DigiCart/II Plus 10 hr. 1 GB HD & Zip Drive	Mfr. List	$3,995.00
D-2720	DigiCart/II Plus 16 hr. 2 GB HD & Zip Drive	Mfr. List	$4,395.00
D-2730	DigiCart/II Plus 24 hr. 3 GB HD & Zip Drive	Mfr. List	$4,695.00
HD-1000	1 GByte hard disk drive	Mfr. List	$495.00
HD-2000	2 GByte hard disk drive	Mfr. List	$795.00
HD-3000	3 GByte hard disk drive	Mfr. List	$1,095.00

Call For BSW Prices

RC SERIES - Remote Controllers

RC220 remote control duplicates the DigiCart/II front panel and is primarily designed for production use; RC210 is a simplified remote designed for live playback. **Features:** rapid playlist selection, 16 programmable presets and index number cut access; RC205 is a compact keyboard, perfect for titling directories and audio files. It maps up to 100 preset keys. Function keys mirror DigiCart/II's front panel controls.

RC220	Mfr. List $745.00	Call For BSW Price
RC210	Mfr. List $595.00	Call For BSW Price
RC205	Mfr. List $130.00	Call For BSW Price

360 SYSTEMS

SHORT/CUT 2.0 - Personal Audio Editor

- Replaces Reel-To-Reel
- One Button Instant Recording
- Extremely Fast Editing
- Dedicated Function Keys
- Great For Actualities, Phone-ins, Voiceovers
- Analog And Digital I/O
- D-NET Transfer Network Compatible
- Support for an External Zip Drive

Shortcut is a stereo editor designed to replace two-track reel-to-reel tape machines for fast editing and production of single or dual channel audio information. It offers all the features you'll need to capture and edit audio for talk radio, call-in clips, news actualities, promos and spots. Most importantly, you'll get results in record time.

Features: all common functions are associated with a dedicated button so you don't spend your time wading through multiple menus; buttons are grouped together in logical layouts for fast one-hand operation; instant record feature allows you to immediately capture incoming audio when you hit the record button, no matter what mode you've been working in; recording goes directly to the internal hard disk so all audio is "on-line" for immediate access; select cuts for playback by simply typing the cut name on the keyboard, or for even quicker access, assign a cut to one of the 10 hot-keys; a large scrub wheel emulates reel-rocking on tape recorder, right down to the sound; the typewriter-style keyboard is convenient for adding titles and finding cuts; 10 hot-keys can store frequently used cuts or act as extra "clipboards" for saving bits during editing; version 2.0 can also assign GPI inputs to trigger hot keys; 10 function keys provide easy access to file management and preference menus; zoom in and zoom out buttons are conveniently located directly under the display; the mark button identifies segments for later editing, or highlights "keeper" cuts (up to 500 markers per cut); edit-in and edit-out buttons act like a digital grease pencil for marking edit points; set a "Zero Mark" any point within a file; a unique "bleep" button overwrites obscenities with a tone or with a custom sound you've created; edit and solo buttons isolate a single channel for editing; undo button returns the cursor to its original position; the high resolution, backlit display shows big waveforms with details as small as a few milliseconds—or an entire sentence at a glance; play selected (highlighted) audio in the editor. Weighing only 12 pounds, the Shortcut makes a very portable workstation, and with built-in speakers, headphone amp and a mic level input, you can produce final edited recordings out in the field; built-in D-NET File Transfer Network capability lets you transfer audio files, including the cut names and running times between DigiCart/IIs, Instant Replays and other Shortcuts; balanced XLR analog I/O (left channel input is switchable mic/line level); AES/EBU digital I/O. **Options:** padded gig bag with side pocket.

SC180-1	Shortcut w/1.5 hrs. internal storage	Mfr. List	$2,995.00
SC180-2	Shortcut w/160 min. internal storage	Mfr. List	$3,495.00
SC180-3	Shortcut w/4 hrs. internal storage	Mfr. List	$3,795.00
GPTPSC	Shortcut gig bag	Mfr. List	$110.00

Call For BSW Prices

360 SYSTEMS

INSTANT REPLAY® - Hard Disk Player

- 1,000 Cut Library
- Up To 24-Hour Audio Storage
- Map 500 Cuts To Hot Keys For Instant Access
- Stereo 16-Bit Digital Audio Quality
- Playlisting
- Analog And Digital I/O
- Printer Output For Library Hard Copy

The Instant-Replay (DR550) is a professional quality digital audio hard disk recorder/player. It maps individual recordings to 50 "hot-key" buttons, providing instant access to a very large library of recordings. Unlike electronic music samplers that only allow short "snapshots", Instant Replay stores hundreds of cuts ranging from a few seconds to almost unlimited duration. Like other 360 Systems products, Instant Replay offers powerful playback options that place it miles ahead of analog cart and tape machines.

Features: stores up to 1,000 audio cuts of various lengths on its internal hard disk; records with a "start on audio" feature for tight starts; recorded cuts become part of a well-managed library so they are easy to find again; 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; library is divided up into ten "banks" into which you can sort spots, sound effects, music, etc. Each bank can represent a grouping of cuts for a particular air shift, production project, etc. 50 cuts from each bank can have their own hot-key assignments for a total of 500 cuts mapped to hot-keys at any given time; printer port allows hard-copy listings to be output on standard "parallel input" printers. Printed data includes the titles, ID numbers and playing time for each cut. Print options include listing the cuts within each bank, the entire disk, or the contents of each playlist; built-in D-NET File Transfer Network capability lets you transfer audio files, including the cut names and running times, between DigiCart/IIs, Shortcuts and other Instant Replays.

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; Instant Replay will play the effect instantly every time the button is pushed, making it ideal for a number of live situations and for playing short effects like gunshots or door slams in production; audio cuts can also be selected as part of a playlist for sequential playback; different playlist can be stored for each of the ten banks, and can be recalled for playback or editing at any time; looping function causes a cut to continuously and seamlessly play back; pause function interrupts playback and can be resumed noiselessly and instantaneously; a preview button that lets you listen to a cut through the headphone jack without sending audio to the main outputs; balanced XLR analog I/O; AES/EBU digital I/O. **Options:** padded gig bag with side pocket.

DR550-8	8 Hours Stereo	Mfr. List $2,995.00
DR550-16	16 Hours Stereo	Mfr. List $3,495.00
DR550-24	24 Hours Stereo	Mfr. List $3,795.00

Call For BSW Prices

DENON

DN900 SERIES - MiniDisc Recorder/players

Denon MiniDisc machines combine the benefits of MD technology with the familiar operating characteristics and look of the DN951FA industry standard CD player.

DN981F Features: playback only model; Hot Start function allows you to assign 10 tracks of your choice to 10 independent Hot Start buttons included in the MD remote software or an optional hardware remote control; auto cue to music; single/continuous play; fader start; adjustable out cue; flexible cue outputs; RS232C remote interface; 13-character time-code/name/message display; active balanced XLR analog outputs; AES/EBU digital outputs.

DN990R Features: recorder/player; maintains all the playback features of the DN981F; instant recording; auto/manual track increment; backup for power failure during recording; switchable SCMS code writing; end of track trim; cue point writing and the ability to erase, divide, combine, or move tracks; balanced XLR analog I/O; AES/EBU digital I/O.

DN995R Additional Features: external sync capability; a switchable RS422A/RS232C interface; refined end trim, cue, search and disc loading functions; balanced XLR analog I/O; AES/EBU digital I/O.

The DN981FA and DN995R include Windows® PC control software that provides a graphic interface to many MD Cart functions.

DN981F	Mfr. List $2,800.00	Call For BSW Price
DN990R	Mfr. List $3,500.00	Call For BSW Price
DN995R	Mfr. List $4,300.00	Call For BSW Price

DN80R - Portable MiniDisc Recorder/Player

The DN-80R, Denon's portable MD recorder/player, is a compact, rugged MD recorder designed for life on the road. **Features:** housed in a rigid aluminum case, it utilizes a highly effective vibration-absorbing design with pickup mechanism suspension dampers to ensure great recordings under adverse conditions; the PRE-UTOC function allows you to recover audio from recordings that were terminated due to loss of power etc.; 16 megabit RAM buffer memory (equivalent to 40 sec. stereo signal) helps prevent dropouts; instant recording that begins the moment the record button is pushed; recordings up to 148 minutes on a single disc in mono mode; built-in speaker with volume control; AC or Battery operation (optional battery pack available); ACD-19 control software for track editing from your lap-top computer and many of the record/edit functions found in Denon's studio models; switchable XLR mic/line level inputs with switchable mic attenuation; AES/EBU and IEC-958 digital I/O.

DN80R	Mfr. List $4,500.00	Call For BSW Price

IN THE PROFESSIONAL MINIDISC MARKET, THERE ARE THE HAVES.
AND THE HAVE-MORES.

Next Track Select during playback

Single Play

Cue Tally Point: up to 255 cue points stored on disc

Vari Speed: + or - 12.5%

A MODE: Front-panel switching of auto pause/ auto cue

Non-destructive RAM editing

4X speed audio and title duplication

BSL Motor for high reliability

Mono REC/PLAY

Rehearsal

Multi Access Memory: up to 10 "Instant Start" tracks

IBM keyboard plug-in port

UNDO: One level of undo

Allow us to state the obvious. The new MDS-B5 Digital Pro MiniDisc Recorder/Player has more high-end features than any other MiniDisc cart available today. And they all come standard, not as costly options. The MDS-B5 is the smart choice for radio, television, theater, and other applications requiring professional sound quality.

Its flexibility and easy operation make it ideal for sound effects, commercial messages and station promos. And high speed disc cloning is perfect for program distribution or safety back-ups. When you're looking at professional MiniDisc carts, remember the MDS-B5 doesn't just have what you need. It has more.

SONY

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 standard 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. **Options:** Hot Start kit for up to 20 tracks; balanced XLR analog I/O; unbalanced RCA analog I/O; AES/EBU digital I/O and S/PDIF digital I/O.

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

DN-1100R - MiniDisc Recorder/Player

The rapid-fire playback characteristics of the DN-1100R MD Recorder make it an excellent choice for fast paced live on-air work and production, or in sports arenas and theaters where instant playback is required.

Features: 10 Hot Start buttons provide instant start of any 10 tracks that you preassign. Each button will start audio the moment it is touched even if another cut is playing; a 25-pin port allows you to remote-control all of the Hot Start buttons with an optional Hot Start control box; cue to music; Denon's famous track select knob; switchable EOM indication; fader start; fade-in function and much more; balanced XLR and unbalanced RCA analog I/O. RCA coaxial digital input.

DN1100R	Mfr. List $2,600.00	Call For BSW Price

DN-045R - MiniDisc Replicator

This unique machine performs digital-to-digital MD dubs, bypassing the ATRAC compression circuit, preserving the high 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 on it (Repeated editing on a MiniDisc causes data for each track to be fragmented over the disc, making it less efficient); 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

OTARI

MR-10 - MiniDisc Recorder/Player

Features: 32 character LCD display for easy cut identification; editing functions include erasing, dividing, joining, and renumbering selected cuts on disc; auto-cue; NEXT PLAY feature lets you select the next track while you're in the play mode; full-function remote control; balanced XLR in/out; S/PDIF digital I/O.

MR10RP	recorder/player	Mfr. List $3,255.00	Call For BSW Price
MR10P	player	Mfr. List $2,625.00	Call For BSW Price

SONY

MDS-B5 - MiniDisc Recorder/Player

Sony's third-generation studio MD machine sets a new standard for professional performance. **MDS-B5 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.

MDSB5	Mfr. List $3,295.00	Call For BSW Price

MDSJE510 - MiniDisc Recorder/Player

Here is the lowest priced studio MD recorder available. **Features:** 20-bit precision through the recording process for quality audio reproduction; 20-bit A/D converter; sample rate converter for digital-to digital recordings; jog dial for split-second track access; undo editing and A-B erase for even greater editing control; overwrite function; 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.

MDSJE510		Mfr. List $360.00	Call For BSW Price
RK7	rack kit		BSW Price $32.95

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 external mic; an 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 adapter; unbalanced mic level stereo mini jack input; unbalanced stereo mini jack output; optical digital input. Options: rechargeable batteries; battery charger; optical digital cable; IC6 XLR to mini jack mic cable; KEB20 carrying bag.

MZ-B3	Mfr. List $900.00	Call For BSW Price

MZ-R30 - Portable MiniDisc Recorder/Player

MZ-R30's superior audio quality and 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; LCD shows playback modes; uses lithium ion battery (supplied) and 2 "AA" batteries for up to 15 hours playback; stereo headphones; date/time stamp function; optical digital input; stereo minijack mic input and line output.

MZR30	Mfr. List $449.95	Call For BSW Price

TASCAM

MD801R - MiniDisc Recorder

The MD-801R is a 3U rackmountable 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. The MD-801R also features an End of Message (EOM) notification; defeatable SCMS encoding; XLR balanced and RCA unbalanced analog I/O; digital AES/EBU and S/PDIF I/O; RS232C serial and parallel interface and optional software for 10 track instant playback as well as the ability to enter data via a personal computer keyboard. BU801 is an optional RAM buffer kit.

MD801R	Mfr. List $2,499.00	Call For BSW Price
BU801	Mfr. List $249.00	Call For BSW Price

TASCAM

MD501 - MiniDisc Recorder/Player

Tascam's MD-501 MiniDisc Recorder offers you affordable, high-quality recording with all the analog and digital connections you need for easy integration with your existing gear. Features: versatile edit function (Divide, Erase, Move, Combine, Track title); front panel PC keyboard connector port; Auto Ready mode; Time Stamp function; Program, shuffle and repeat play modes; clock display; digital auto fader function; built-in sample rate converter for transferring DAT to MD; wireless infrared remote controller; balanced XLR analog I/O; unbalanced RCA analog I/Os; optical TOS digital I/Os and coaxial digital input.

MD501	Mfr. List $1,299.00	Call For BSW Price

MD301 - MiniDisc Recorder/Player

Features: versatile edit function (Divide, Erase, Move, Combine, Track title); program, shuffle and repeat play modes; timer record/play function; built-in sample rate converter for transferring DAT to MD; wireless infrared remote controller; balanced XLR analog I/O; unbalanced RCA analog I/Os; optical TOS digital I/Os and coaxial digital input.

MD301	Mfr. List $899.00	Call For BSW Price

MARANTZ

PMD680/PMD690 - Portable Solid State Recorders

The PMD680 and 690 recorders are the first of a new generation of products utilizing PCMCIA flash or hard disk memory cards for storage and MPEG1 layer II compression. This platform offers a stable and portable means of compressed or linear PCM recording, plus the power of nonlinear, nondestructive editing. The PMD680 is a mono recorder requiring less than 15MB for up to one hour at 7 kHz bandwidth. The PMD690 records mono or stereo and requires 115MB of memory for up to an hour of stereo recording at 20 kHz bandwidth and includes phantom power. Features: flexible storage capacity that is resistant to shock and fast temperature changes; user selectable bandwidths/bit rates; built-in speaker; XLR mic inputs; manual/limiter/ALC level selector plus ambient noise control; track markers on the fly; MS-DOS compatible files that are easily transferable to a PC via PCMCIA cards or 25-pin parallel port; telephone interface (PMD680 only)

PMD680	Mfr. List $799.00	Call For BSW Price
PMD690	Mfr. List $999.00	Call For BSW Price

DIGITAL RECORDABLE MEDIA

Mfr.	Model/Description	Mfr. List	BSW Price
CDR			
HHB	CDR74P recordable disc, 74 min	$7.00	$3.80
Sony	CDS74 recordable disc, 74 min	$7.00	$3.20
TaiyoYuden	TYCDS74QZ recordable disc, 74 min	$7.00	$2.90
DAT (Audio)			
Panasonic	RTR34M 34 min. DAT	$6.30	$4.95
Panasonic	RTR64M 64 min. DAT	$7.50	$5.60
Panasonic	RTR94M 94 min. DAT	$8.80	$5.95
Panasonic	RTR124M 124 min. DAT	$9.95	$7.20
Panasonic	RTRCLP DAT head cleaner	$11.00	$7.75
HHB	DAT 65 DAT 65 min.	$9.50	$7.90
HHB	DAT 95 DAT 95 min.	$11.25	$9.20
HHB	DAT125 DAT 125 min.	$12.50	$9.95
Sony	PDP64 DAT 64 min.	$15.73	$7.95
Sony	PDP94 DAT 94 min.	$19.13	$9.95
Sony	PDP124 DAT 124 min.	$22.50	$11.50
Hi8mm			
HHB	DA113 Hi8 113 min.	$15.75	$14.90
Sony	DARS60MP Hi8 60 min.	$24.50	$9.90
Sony	DARS113MP Hi8 113 min.	$33.16	$12.95
MiniDisc (Audio)			
HHB	MD74	$8.25	$7.80
Sony	MDW 74A MiniDisc 74 min.	$16.99	$9.95
MiniDisc (Data)			
HHB	MD Data 140	$24.00	$21.95
Sony	MDM140	$24.00	$18.60
S-VHS			
HHB	ADAT45	$11.00	$9.95
Panasonic	RTDA44 ADAT 44 min.	$12.95	$10.95
SONY	DASV40	$20.53	$10.95

For Machine Cleaning and Care Products See Page 154

ANALOG RECORDABLE MEDIA

CARTRIDGES

AUDIOPAK - Audio Cartridges

*AA2 — standard bias tape in black shell with clear top suitable for mono use
*AA3 — standard bias tape in blue shell with clear top suitable for stereo use
*AA4 — SGS4 HOLN tape in blue shell with blue top suitable for stereo use
**Formula136 — The former ITC Cart II with high bias, 1.5 mil tape and a unique padless tape path for extended life. (black base/clear top)

Call For Competitive Pricing

*Available in lengths from 20 seconds to 10.5 minutes **Available in lengths from 10 seconds to 7.5 minutes

FIDELIPAC - Audio Cartridges

*300 Series — standard bias tape in grey shell with clear top
*Mastercarts — HOLN tape in red shell with clear top
*Cobalt Series — super hot tape in dark grey shell with smoky grey top

Call For Competitive Pricing

*Available in lengths from 20 seconds to 10.5 minutes

CASSETTES

Custom Loaded Cassettes

BSW cassettes are loaded in standard lengths including 5, 10, 20, 30, 45, 60, and 90 minutes, with custom lengths available (minimum 100 qty. on special orders). Three grades of tape are available: VC voice quality, MC music quality (HOLN), CP (high bias chromium compatible). Quantity price breaks are available. Competitive prices.

Call BSW For Current Pricing

Cassettes are always listed in total recording time.
i.e. VC60 has 30 min. per side, VC10 has 5 min. per side

REEL TO REEL

499 - Studio Mastering Tape

For applications where the absolute highest analog audio performance is required. Features Quantegy's highest output and lowest noise floor.

Model	Description	Price ea.	Price ea.
49917611T 1/4" x 2500'	10 1/2" pancake	(1-9) $15.95	(10+) $13.95
499151111 1/4" x 1200'	7" plastic reel	(1-39) $12.75	(40+) $11.50
499174111 1/4" x 2500'	10 1/2" metal reel	(1-9) $31.95	(10+) $28.95

456 - Audio Mastering Tape

When you demand high output, minimal distortion, and consistent audio quality, choose 456 Grand Master from Quantegy. 456 is tested and inspected over 150 times during the manufacturing process.

Model	Description	Price ea.	Price ea.
45617611T 1/4" x 2500'	10 1/2" pancake	(1-9) $16.65	(10+) $14.95
456151111 1/4" x 1200'	7" plastic reel	(1-39) $11.25	(40+) $9.95
45617311J 1/4" x 2500'	10 1/2" metal reel	(1-9) $29.95	(10+) $26.95

406/407 - Audio Mastering Tape

High performance is essential for mastering. The oxides for 406, 407 are specially selected to provide high signal-to-noise ratio, high headroom and low distortion.

Model	Description	Price ea.	Price ea.
40617613T 1/4" x 2500'	10 1/2" pancake	(1-9) $12.95	(10+) $11.50
406151131 1/4" x 1200'	7" plastic reel	(1-39) $9.40	(40+) $8.40
40617313J 1/4" x 2500'	10 1/2" metal reel	(1-9) $23.99	(10+) $21.95
40717613T 1/4" x 3600'	10 1/2" pancake	(1-9) $21.40	(10+) $19.25
407151131 1/4" x 1800'	7" plastic reel	(1-39) $12.35	(40+) $11.10
40717313J 1/4" x 3600'	10 1/2" metal reel	(1-9) $31.95	(10+) $28.95

AKAI
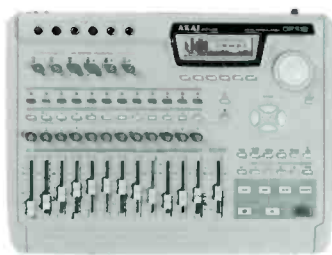
DPS12 - Multitrack Recorder

The Akai DPS12 pushes the envelope on affordable, high-quality digital recording systems by combining a 12-track hard disk recorder with a digital mixer in one convenient box. Features: 12 tracks of uncompressed 16-bit linear audio; choice of storage on SCSI hard disk or internal JAZ drive with removable cartridges; 250 virtual tracks; 8 tracks simultaneous recording; 18 bit A/D, 20 bit D/A convertors; supports 48 kHz, 44.1 kHz and 32 kHz sampling rates; 12 direct locate points plus 100 nameable stack memory points; non-linear waveform editing with 256 levels of undo; 12 channel digital mixer with 6 mono analog inputs and a stereo digital input; digital EQ can be configured for 12 channels of 2-band or 6 channels of 3-band with parametric mids; 2 AUX sends; internal snapshot memory; full mixer automation via external MIDI controller; THRU MIX feature makes 20 channels available at mixdown; Balanced TRS inputs; unbalanced stereo RCA output; optical (S/PDIF) digital I/O. Options: EB2M internal digital effects board with reverbs, chorus, flange, phaser, delay, compressor/limiter and more; Iomega JAZ drive or internal 2 GB SCSI hard drive.

DPS12JZ1	with JAZ drive	Mfr. List $2,149.00	Call For BSW Price
DPS12HD	with 2GB drive	Mfr. List $1,849.00	Call For BSW Price

DR8/DR16 - Multitrack Hard Disk Recorders

The DR8 and DR16 from AKAI are compact, easy to use rack mount machines that provide 8 or 16 tracks of random access, hard disk digital recording and editing. Features: units can be chained together for an expanded number of tracks; a user friendly tape-machine style interface; built-in digital mixing lets you create a stereo mix of disk tracks and also allows track merging; snapshots may be stored for mix changes, or mixer can be dynamically controlled via MIDI controller messages; fast and accurate editing with copy, move, insert, delete, erase, slip and undo functions; built-in SCSI port for additional hard drives; automatic, manual and footswitch punch in/out modes; 18 bit, 64x oversampling ADCs; 20 bit DACs; balanced TRS analog I/O; AES and S/PDIF digital I/O.

Options: SuperView™ VGA board allows the use of a standard VGA monitor for multi-page graphic display; EQ board enhances mixing capabilities by providing 3-band, mid swept digital EQ for 8 or 16 tracks; DL16 remote record/edit/mix controller for the DR8 and DR16 with EQ, pan and 16 faders; Interface options for ADAT, DA88, multi-channel AES/EBU, RS422, SMPTE and MIDI.

DR8HD	W/2 GB internal hard drive	Mfr. List $2,395.00
DR16HD	W/2 GB internal hard drive	Mfr. List $3,395.00
DL16	remote controller	Mfr. List $1,795.00
	Call For BSW Prices	

ALESIS

M20™ - Digital Audio Recorder

The M20™ ADAT Type II 20-bit digital audio recorder offers a winning combination of high-end sonic quality, a world-class feature set, extremely reliable performance and compatibility with standard ADAT. Features: writes 20-bit information to S-VHS tape; 24-bit A/D and 20-bit D/A convertors; separate AUX track for slating, notes click track etc.; powerful jog-shuttle wheel; individual input select switches; simultaneous digital and analog recording; built-in SMPTE/EBU time code synchronization; built-in input/output level calibration pots; ELCO and XLR analog I/O; ADAT optical digital port. Options: AES/EBU digital I/O card (4 stereo inputs and outputs); BRC remote control.

Call For BSW Price
Available in North America only

ADAT-XT - Digital Audio Recorder

The ADAT®-XT™ is a world standard for modular digital recording. Features: intelligent software-controlled tape transport; track copy function; tape offset function; 18-bit, 128 times oversampling A/D converters; onboard 10-point autolocation system, automated punch in/out; balanced analog I/O via 56-pin ELCO connector; unbalanced RCA analog I/O (x8); optical digital I/O. Options: BRC remote controller; AI-1 sample rate/format converter; AI-2 audio/video sync interface.

ADAT-XT	Mfr. List $3,499.00	Call For BSW Price
BRC	Mfr. List $1,499.00	Call For BSW Price
	Available in North America only	

FOSTEX

D-90/D-160 - Multitrack Recorders

These machines allow you to record 8 or 16 tracks of CD quality, 16-bit non-compressed linear audio direct to a 2.55GB removable hard drive. Features (both units): random access, nondestructive editing; entire front panel can be removed for full-function remote control; jog/shuttle control; optical S/PDIF/ADAT interface; 99 virtual reels (9 on D-90); SCSI-2 interface (optional on D-90); 8-in/8-out unbalanced RCA analog I/O Features: +4 dBu balanced I/O board.

D90	Mfr. List $2,595.00	Call For BSW Price
D160	Mfr. List $3,995.00	Call For BSW Price

FOSTEX

DMT-8VL - Multitrack Recorder

This second-generation machine incorporates a 16-bit linear hard disk recorder and an 8-channel, 22 input mixing system into one compact unit. **Features:** Record directly to the internal 540MB hard drive (upgradable to 2.55GB for 60 minutes); random access editing with cut, copy, paste, move plus undo/redo; supports MMC, MTC, MIDI clock and song position pointer; instantaneous search to zero or any cue point; jog shuttle wheel provides digital scrubbing without pitch change as well as fast, audible cue and review; two direct-to-disk digital inputs plus S/PDIF optical outputs; 8-channel mixer with two inputs (main and sub with separate gain and pan controls), 2-channel parametric EQ (on main channels) 2 AUX sends and group assign switches; channels 1-4 have input trim faders that allow for mic or line input levels as well as channel insert patch points; main and monitor stereo outs, fluorescent tube display with audio metering as well as absolute time, MIDI timecode and MIDI/Bar/Beat readout; unbalanced analog I/O via 1/4" and RCA connectors; expansion bay for future E-IDE and SCSI interface options. **Options:** COP-1 optical to coaxial S/PDIF converter; 8051 footswitch.

DMT-8VL	Mfr. List $1,395.00	Call For BSW Price

ROLAND

DM800 - Digital Audio Workstation

Economical, comprehensive and easy-to-use, the DM800 was designed for the audio professional and is perfect for demanding radio production. **Features:** 8-track recorder with 100 layers per track; 16-bit linear recording data format, with selectable sampling rates of 48 kHz, 44.1 kHz and 32 kHz; integrated 12 channel mixing system; extremely stable hardware platform; nondestructive recording/editing; full dynamic automation, MIDI integration; time compression; pitch correction; supports SMPTE and MTC sync; video display output; SCSI ports for external drives and DAT back up; TRS balanced analog I/O; IEC-958 coaxial digital I/O **Options:** RS 422 interface; DA-88 interface; ADAT interface; 4-channel D/A converter adds 4 additional analog outputs.

DM800HD	w/2 internal 540MB drives	Mfr. List $7,595.00

Call For BSW Prices

ROLAND

VS-880V2 - Digital Audio Workstation

A truly comprehensive digital workstation, the VS-880V2 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; 64 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; parametric EQ (3-band on input-track mode, 2-band on Mix mode; snapshot and dynamic mixer automation built in; optional onboard digital effects; 1 GB MB 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:** VS8F-1 effect expansion board adds two independent stereo multi-effect processors with 100 factory patches including reverbs, delays, chorus' and special effects, plus 100 user programs; VS-CDR-S2 external SCSI based CD recorder for recording directly from the VS-880V2 to CD. VS-880TC hardshell carrying case.

VS880V2	w/1GB hard drive	Mfr. List $2,695.00
VS880CDR	w/SCSI CD recorder	Mfr. List $2,995.00
VS8F-1	effect expansion board	Mfr. List $395.00
VSCDRS2	CD recorder w/cables & software	Mfr. List $695.00
VS880TC	hardshell case	Mfr. List $149.50

Call For BSW Prices

SONY

MDM-X4 - Multitrack MD Recorder

The convenience, portability and sound quality of the MD format is available in a 4-track format. **Features:** 4-track recording on MD data discs (37 minutes per track); 2-track or mono recording on MD audio discs; analog mixer section offers 4 mic/line inputs with 3-band EQ, a stereo line input with 2-band EQ, 2 mono AUX sends, 2 stereo AUX returns and 4 direct track outputs; ±8.8% vari-speed; supports MIDI, MMC and MTC; display shows absolute time or bars and beats; Mix Write lets you mix new audio to an existing track; Virtual Mix allows recording of up to 16 virtual tracks with 2 or 4 track mixdown; input connectors on channels 1 and 2 are combination XLR—1/4", all other I/O via 1/4" jacks.

MDM-X4	Mfr. List $1,250.00	Call For BSW Price

TASCAM

DA-98 - Digital Audio Recorder

With enhanced A/D and D/A convertors, a comprehensive LCD display and full compatibility with the DA-88 and DA-38, the DA-98 delivers the absolute best in digital multitrack functionality. **Features:** confidence monitoring; individual input monitor select switches; switchable reference levels with internal tone generator; digital track copy; internal digital patchbay; comprehensive LCD display; dedicated function/numeric keys; built-in synchronizer with support for MMC and Sony P2. **Options:** RM-98 rack mount ears for use with Accuride 200 slide-out rack system; RC848 remote controller gives you direct control of up to 6 units (48 tracks); MU-8824 24-track metering unit; IF-88AE AES/SPDIF digital interface; IF-88SD SPDIF digital interface.

DA98	8-track recorder	Mfr. List	$5,999.00
RC848	multiunit controller	Mfr. List	$1,599.00
MU8824	24-track Remote Meter Unit	Mfr. List	$999.00
IF88AE	AES/SPDIF Digital Interface	Mfr. List	$1,149.00
IF88SD	SPDIF Digital Interface	Mfr. List	$1,399.00

Call For BSW Prices

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: RC848 remote controller gives you direct control of up to 6 units (48 tracks); 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-88AE AES/SPDIF digital interface; IF-88SD SPDIF digital interface.

DA88	8 track recorder	Mfr. List	$4,799.00
RC848	multiunit controller	Mfr. List	$1,599.00
RC808	Single Unit Controller	Mfr. List	$225.00
SY88	Chase Sync. Board	Mfr. List	$849.00
MU8824	24-track Remote Meter Unit	Mfr. List	$999.00
IF88AE	AES/SPDIF Digital Interface	Mfr. List	$1,149.00
IF88SD	SPDIF Digital Interface	Mfr. List	$1,399.00

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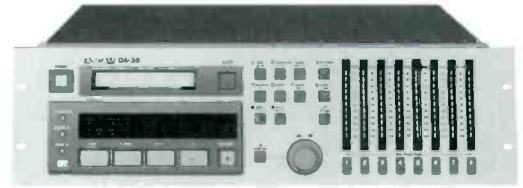
TASCAM

DA-38 - Digital Audio Recorder

Tascam's entry-level digital recorder with the acclaimed Hi-8mm 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; RC-848 system controller for multiple units; MMC-38 MIDI Machine Control interface.

DA38	8-track recorder	Mfr. List	$3,499.00

Call For BSW Price
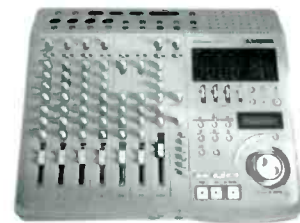
564 - Multitrack MD Recorder

A complete Portastudio utilizing MD technology. **Features:** 37 minutes of 4-track recording with MD Data format; bounce forward editing lets you create submixes on the same disc without affecting the original tracks; 5 virtual tracks (takes) per track; auto punch in/out with rehearsal; mixer section includes 4 mono mic/line and 4 stereo line inputs, 3-band EQ with sweepable mids (2-band on stereo channels), 2 AUX sends and returns; 4 direct track outs, line and monitor outputs and more; supports MMC; MIDI clock and MTC output; balanced XLR mic inputs—all other analog I/O via 1/4" and RCA connectors; S/PDIF digital output.

564	Mfr. List $1,499.00	Call For BSW Price

YAMAHA

MD4 - Multitrack MD Recorder

Digital multi-tracking with the convenience of the compact, removable MD format. **Features:** 37 minutes of 4-track recording with MD Data format; punch in/out recording with rehearsal; ping-pong multiple tracks down to a mono or stereo track; fast/accurate locating with multiple track markers; cue-list assembly and playback; pitch control (±6%); 4-channel analog mixer section with 3-band EQ, AUX send/return, stereo and monitor outs, 4 direct track outs and a flexible monitoring section; MIDI clock or MTC output; all audio connections via unbalanced 1/4" and RCA connectors.

MD4	Mfr. List $1,199.00	Call For BSW Price

ARRAKIS

DIGILINK IV - Digital Audio Storage System

A remarkable product cost-effective enough to be used as a stand alone replacement for 3-deck cart machines, reel machines, DAT machines, etc. Powerful interface and control options make it an ideal building block for multiple-studio and shared storage systems.

Features: cost-effective workstation designed specifically for broadcast; triple play and simultaneous record — a virtual triple deck cart machine in a box; dual stereo play outputs (mix and cue) allow a file to be cued while playing two others on the air; onboard cut and splice digital editing. The Digilink IV is an excellent (and far more reliable) replacement for CD jukeboxes. With MPEG II compression, the DL4 can store thousands of songs economically on hard disk and can be connected to the DL3 as if it were a CD jukebox; two DL4s can be connected together and can share all stored audio. This means that any recording from one DL4 is immediately available on the second DL4 for playback and editing — there is no network transfer time; with triple play and record capability, a single DL4 can be shared between an on-air and production studio. The production studio can play-record-edit while the air studio can use dual play for overlap; create a star network of up to 32 DL4s with shared audio storage.
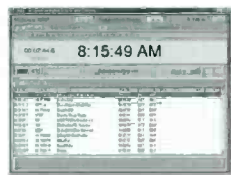

DL4-SP1

DL4-AUTO

GEM-DL4

DL4 can be controlled from the built-in control panel with LCD display and from up two other control ports at the same time. DL4s can be ordered without a front panel for use with external controllers ($300 less than full DL4 versions).

Control Options: DL4-RP1 and DL4-SP1 cart-machine-style hardware interfaces feature an LCD display with cart search, play, cue beginning, cue ending and audition controls — all without the need of a PC. Connection to the DL4 is via RS232 control cables. The DL4-SP1 controls playback of one of the DL4's three playback outputs. The DLP-RP1 adds record control. Three playback units can be used with one DL4. Controllers are 1/3 rack width; 199 button Gemini control panel; DL4-AUTO software provides hard disk automation, live assist, manual cart control, MPEG-II audio editing, voice tracking, extensive scheduling and reporting; DL4-WIN95 is a scaled-down version of DL4-AUTO featuring just the cart control and MPEG-II audio editing.

DL4-600	1 GB, 12 hrs storage	Mfr. List	$3,495.00
DL4-4000	4 GB, 50 hrs storage	Mfr. List	$4,795.00
DL4-6000	9.1 GB, 105 hrs storage	Mfr. List	$5,795.00
DL4-RP1	cart-style interface (Rec/Play)	Mfr. List	$750.00
DL4-SP1	cart-style interface (play)	Mfr. List	$750.00
DL4-RK1	mounting hardware for 3 RP1/SP1	Mfr. List	$250.00
DL4-BK1	blank rack panel	Mfr. List	$40.00
GEM-DL4	console module control	Mfr. List	$1,195.00
DL4-AUTO	hard disk automation software	Mfr. List	$2,995.00
DL4-WIN95	cart control/ MPEG-II editing software	Mfr. List	$995.00

Call For BSW Prices

ARRAKIS

DIGILINK III - Digital Audio Storage/Automation Systems

Digilink III is a multipurpose digital audio workstation for satellite, CD 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, the 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; CD jukebox 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; optional modem control for remotes; optional Trak*Star III multitrack editing software. **Options:** Trak*Star software; live assist software; news test software; password software.

Basic systems feature specified stereo audio storage, a VGA color monitor, keyboard and mouse.

DL3-600	10 hr system	Mfr. List	$7,995.00
DL3-1000	16 hr system	Mfr. List	$8,495.00
DL3-6000	78 hr system	Mfr. List	$10,995.00

Call For BSW Prices
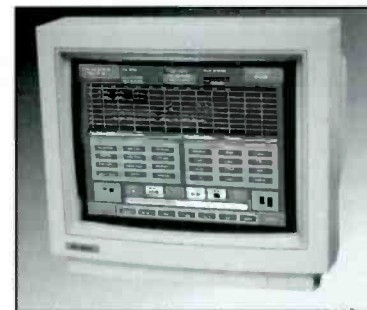
TRAK*STAR III - Multitrack Workstation

The Arrakis Trak*Star III is a powerful multitrack production system that is incredibly fast and easy to use and is the only production system in the industry that can provide 100% on-air back up for your Digilink system with Emergency DLIII software.

The Trak*Star III can be purchased as a stand-alone system with the same processor and audio card as the Digilink III, or purchased as a software upgrade to provide powerful editing capability to existing DLIIIs. **Features:** unlike RAM based systems, Trak*Star III can edit files up to 6 hours long; scrub, cut, splice, and fade up to 8 tracks to create spots, programs, jingles and phoners quickly and easily.

TS3-600 is a complete system including a DL3-600 workstation, Trak*Star III software, Emergency DLIII software, 2.5 hours digital audio storage, VGA color monitor, keyboard and mouse.

TS3-600	Trak*Star workstation	Mfr. List	$5,995.00
DL38MTL	Trak*Star software for DL3 only	Mfr. List	$995.00

Call For BSW Prices

THE BLUE GROUP

PHONEBYTE - Digital Reel-to-Reel Replacement

Say goodbye to klunky recorders, razor blades and splice tape...say hello to incredibly fast and easy digital editing with PhoneByte. Just a single keystroke or simple click of the mouse allows you to record, edit, play, and archive all of your phone bits and sound effects. **Features:** nondestructive cut and paste editing; instant playback; grouping/stacking functions; continuous or single cut playback; assignable hot-keys for standard keyboard or optional touch button panels.

Call For System Configuration And Pricing

ENCO

DADpro - Digital Audio Delivery System

This powerful digital audio system provides production, management and multi-output reproduction functions for broadcasting. Operating under DOS on commonly available, nonproprietary hardware and network architecture, DAD may be configured for stand-alone use or as multiple workstations sharing a common data base.

Features: live assist, automation or satellite programming with seamless transitions; intuitive operation that's simple to learn; multiple virtual machines replace racks full of tradit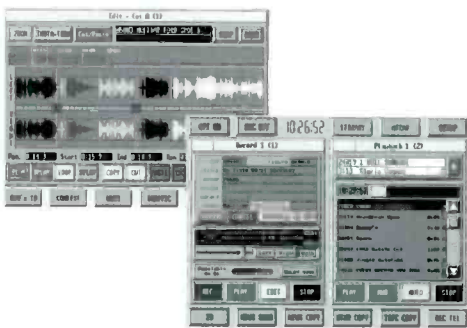ional analog equipment; automatic recording and time shifted reproduction; complete library management; automatic spot rotation; graphic cut/paste assembly, segue and voiceover editing; compatible with most third party multichannel editors; optional touch-screen interface; tested turn-key systems available with all hardware and software; individual user setups with password protected security; integrated script display; logic compatibility with external switching, control and reproduction equipment; systems are easily expandable at any time; backup and redundancy options; analog and digital I/O.

Call For System Configuration And Pricing

For Production Music and Sound Effects See Page 74

WIREREADY NSI

NEWSREADY32™ - News Room Software

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

NewsReady32 also includes a DOS version called RadioReady for customers who prefer DOS or want to integrate both DOS and Win95/NT computers.

WR-NEWS32-1ST	1-user software pak	Mfr. List	$2,495.00
WR-NEWS32-ADDL	additional-user pak	Mfr. List	$1,295.00
WR-NEWS32-10PK	10-user pak	Mfr. List	$9,995.00
WR-NEWS32-25PK	25-user pak	Mfr. List	$14,995.00
WR-NEWS32-GRP	25-site group pak	Mfr. List	$49,955.00

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. It works with two CardDPlus audio cards or three SoundBlaster 16/32/64 cards on your own Pentium class computer. **Features:** supports multiple hard-drives; simultaneous play, record, overlap, crossfade and voice track with 3 audio cards.

Complete MusicReady turnkey packages are also available. Start with a single, stand alone system, then add an identical backup/production system on a second computer with linkage.

The fully equipped single-computer system (WR-MR-TK1) includes: MusicReady software; 200MHz computer with 3 year warranty, 32MB RAM, internal drives for 32GB storage, DOS 6.22, 15" .28 color monitor, 1.44FD, Keyboard, 450W UPS, 3 Soundblaster AWE64 cards, PC/ANYWHERE 8.0 and a US Robotics 33.6 External modem. The backup On-Air/Production system (WR-MR-TK2) includes: MusicReady software (free when purchased with first system); 200MHz computer with 3 year warranty, 32MB RAM, internal drives for 32GB storage, DOS 6.22, 17" .28 color monitor, 1.44FD, keyboard, 450W UPS. In addition you receive Cool Edit PRO production software, 2 Iomega JAZ drives with SCSI cards and 3 JAZ disks.

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

|			
SO-MR1	MusicReady software	Mfr. List	$3,995.00
WR-MR-TK1	single computer system	Mfr. List	$9,165.00
WR-MR-TK2	back-up computer system	Mfr. List	$7,339.00

Call For BSW Prices

DIGIDESIGN

SESSION 8 - Digital Audio Workstation

Session 8™ for Windows™ is a professional quality recording and editing system designed to operate on your AT-compatible PC running Windows 95 or Windows 3.1. Features: 8-channel direct-to-disk digital recording; random access, non-destructive editing; intuitive digital mixing environment with built-in volume and pan automation; complete SMPTE frame rate support; video synchronization; digital parametric EQ; internal signal routing; choice of audio interfaces. Options: 882 I/O interface provides eight 1/4" balanced/unbalanced analog inputs and outputs plus a S/PDIF digital I/O; 888 I/O offers 8 balanced XLR inputs and outputs, 8 channels of AES/EBU digital I/O and 2 channels of S/PDIF digital I/O; ADAT interface; video/SMPTE slave drivers.

PC010	SESSION·8 core system	Mfr. List $1,995.00
PH007	882 I/O interface	Mfr. List $995.00
MH061	888 studio interface	Mfr. List $2,995.00

Call For BSW Prices
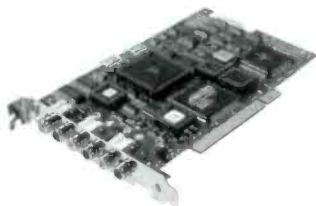
AUDIOMEDIA III - Digital Audio Card

Digidesign provides a high quality alternative to consumer variety audio cards with the Audiomedia III™ for PCI compatible computers. Loaded on your Windows equipped, AT-compatible PC and combined with Session™ software, it provides a professional-sounding, cost-effective multitrack recording and editing environment. Features: 8-track playback; simultaneous digital and analog I/O; up to 4 tracks recording; 24-bit DSP processing; supports multiple sample rates; unbalanced RCA stereo analog I/O; S/PDIF digital I/O. A Macintosh PCI version is also available for use with ProTools with DAE PowerMix multitrack software.

AUDIOMEDIAIII	Mfr. List $795.00	Call For BSW Price

SESSION - Recording/Editing Software

Session™ software provides powerful multitrack recording and editing capabilities from your AT-compatible PC. Session runs in Windows 3.1 or Windows 9S and requires the Digidesign Audiomedia III sound card. Features: up to 4 tracks recording via simultaneous analog and digital card inputs; 8 tracks simultaneous audio playback; nondestructive random access editing; 8 bands of realtime digital parametric EQ; fully automated volume and pan mixing; synchronization to digital video and MIDI sequencers; custom crossfades; audio nudge; up to 100 locators; high resolution on-screen meters.

SESSIONPC	Mfr. List $199.00	Call For BSW Price

DIGITAL AUDIO LABS
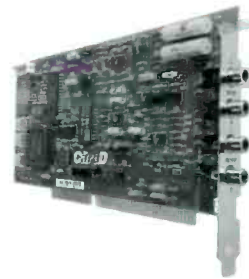
CARD DPLUS - Digital Recording Hardware

With the CardD Plus™ (TC-01) from Digital Audio Labs you can turn your PC into a professional quality digital audio recording system. Features: IBM AT-compatible system is contained on a single plug-in card; A/D and D/A converters with 16-bit resolution allowing for 32 kHz, 44.1 kHz and 48 kHz sampling rates; supports simultaneous record and playback; inputs and outputs are RCA stereo (+4 dB or -10 dB levels). Options: I/O CardD™ (I/O-01) digital input/output card connects directly to the CardD Plus via ribbon cable to provide direct digital transfer to and from DAT machines etc. in S/PDIF format; Digital Only CardD™ (DO-01) is a stand-alone digital transfer card that does not require the CardD Plus™.

TCO1	CardDPlus™ Digital Recorder	Mfr. List $795.00
IO-01	Digital In/Out Card	Mfr. List $295.00
DO-01	Stand-alone Digital In/Out Card	Mfr. List $395.00

Call For BSW Prices

FASTEDIT - Editing Software

Digital Audio Labs' newest generation editing software provides fully nondestructive editing for Windows™ .wav files. It is powerful enough to meet the tough demands of broadcast editing and so intuitive that a novice can learn it quickly. 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; custom fades; reverse play, variable-speed, gain change and AGC functions; accurate punch-ins; scrub function; bonus soundfile hot-key playback and playlist editor programs included.

FASTEDIT	Mfr. List $199.00	Call For BSW Price

EVENT

DARLA/GINA - Multitrack Digital Audio Recording Cards

The DARLA™ and GINA™ from Event prove that computer-based multitracking doesn't have to be difficult or expensive. These 20-bit Windows 95 based audio cards can be used with Event's own powerful multitrack recording/editing program, or with a variety of popular programs including: Cakewalk Pro Audio, Cuebase VST, SAW Plus, Sound Forge and more. DARLA Features: PCI bus master interface; 20-bit A/D and D/A convertors; simultaneous record and playback; supports multiple sample rates; two RCA analog inputs and 8 RCA outputs on a plug-in audio interface box.

GINA Added Features: S/PDIF digital I/O; EasyTrim™ automatic input gain adjustment circuitry; audio interface box with 1/4" connectors and shielded interface cable.

DARLA	Mfr. List $349.00	Call For BSW Price
GINA	Mfr. List $499.00	Call For BSW Price

EVENT
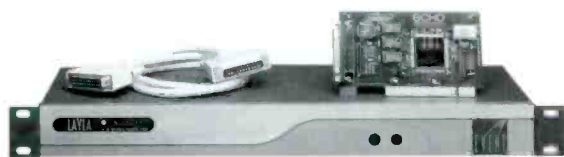
LAYLA - Digital Multitrack Recording System

LAYLA is a professional system that utilizes your PC running Windows 95 software. It features a PCI-bus master host card that connects to a rack mount audio interface that allows you to connect directly to all your pro equipment. **Features:** 24-bit internal signal path; 20-bit A/D and D/A convertors; simultaneous record and playback; supports multiple sample rates; EasyTrim™ automatic input gain adjustment circuitry; software compatibility with a variety of popular programs including: Cakewalk Pro Audio, Cuebase VST, SAW Plus, Sound Forge and more; (also ships with a multitrack recording/editing application plus a system analysis application); 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.

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

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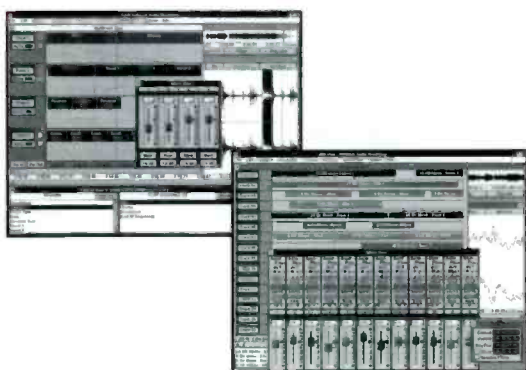
SAW/SAW PLUS - Recording/Editing Software

Software Audio Workshop (SAW) and SAWPlus make hard disk recording/editing fast, easy and affordable. SAW offers simultaneous playback of up to 4 mono or stereo tracks (8 tracks max) and supports up to two sound cards for a maximum of 4 inputs and outputs. SAWPlus provides simultaneous playback of up to 16 mono or stereo tracks (32 tracks max) and supports up to four stereo sound cards for a maximum of 8 inputs and outputs. Common Features: live format conversion during playback (mix any combination of regions, 8-bit or 16-bit, mono or stereo, and any sample rate); software-emulated DSP functions including parametric EQ, noise gate, limiter, compressor, echo effects and vari-pitch (effects can be assigned to each track or to the sound card output); adjust volume, pans, mutes and solos during playback; complete drag and drop, nondestructive editing; high performance is maintained regardless of the project size; live, automated mixing of L&R audio to a single mono sound file while recording; live, automated splitting of L/R audio to two mono soundfiles while recording; programmable function key views provide fast access to multiple workspaces; multi-track edit tools provide quick segment splicing or removal functions; mix changes automatically recorded for exact duplication during playback; separate master volume controls for each sound card output; SMPTE sync and generate capability with sub-frame accuracy; back up and restore entire sessions with standard audio DAT and much more.

SAW   Mfr. List $599.00   **Call For BSW Price**
SAW PLUS   Mfr. List $799.00   **Call For BSW Price**

SAMPLITUDE

SAMPLITUDE - Recording/Editing Software

This real-time wave editor, hard disk recording, sampling and multimedia program runs under Windows in conjunction with a sound card such as the CardDPlus. **Samplitude-Pro 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; simultaneous playback and record (with full duplex sound cards); nondestructive editing with up to 100 levels of undo; auto scroll during playback; automatic loop optimization; real time cross-fades; time compression/expansion; pitch control; track bouncing.

Samplitude-Studio Features: all of the features of Samplitude-Pro plus: support of up to 8 sound cards for up to eight discrete outputs during playback; external sync via SMPTE, MTC or MIDI-Clock/Song Pointer; can run concurrently with popular MIDI sequencing software; high quality digital filters (graphic & parametric EQ) with real time preview; varipitch and scrubbing during playback; dynamics compressor, expander, limiter and noise gate with real time preview.

SAMPLITUDE STUDIO   Mfr. List $399.00   **Call For BSW Price**
SAMPLITUDE PRO   Mfr. List $299.00   **Call For BSW Price**

SONIC FOUNDRY
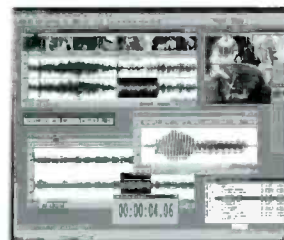
SOUND FORGE 4.0 - Digital Audio Editing Software

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 and more. **Features:** supports 8- or 16-bit, mono or stereo audio files; supports sample rates from 2 kHz to 96 kHz; easy to use in familiar Windows environment; 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; audition edits before applying them; 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; optional plug-ins for noise reduction, batch file conversion, audio spectrum analysis and more.

SOUND FORGE 4.0   Mfr. List $398.00   **Call For BSW Price**

CD ARCHITECT - CD Creation Software

CD Architect is the perfect solution for designing professional audio CDs to Red Book spec on Windows NT and Windows 95. It includes an editor with dozens of professional effects and tools to process sound files and can optionally function as a Sound Forge 4.0 plug-in. Extensive support is provided for PQ editing. Compatible with most popular CD recorders.

CD ARCHITECT   Mfr. List $398.00   **Call For BSW Price**

SPECTRAL

PRISMA - Digital Audio Workstation

The Spectral Prisma with Express software is a super easy-to-use professional computer-based workstation with 8 channels of editing and playback. It can be purchased as a complete turn-key system with computer, software, sound card and interface, or as individual components.

Features: PC based Express software is easy to learn and use with no pull-down menus or nested windows—everything is on the screen; nondestructive drag and drop waveform editing with 10 levels of undo; accurate velocity sensitive audible scrubbing; drag and drop fades; select multiple audio segments at once for editing; DSP functions including gain adjustment, time compression/expansion and pitch shifting; ready to network to popular on-air delivery systems; RS-422 (Sony 9-pin) machine control; supports MIDI and serial hardware control surfaces; reads and writes MTC, SMPTE LTC and VITC; supports external SCSI devices; standard ADDA-2218 interface provides two channel A/D and D/A conversion with balanced XLR and unbalanced RCA analog I/O, plus AES/EBU and S/PDIF digital I/O.

Options: Producer and Studio Tracks XP software; CD burning software; file transfer software for BE AudioVAULT and ENCO DADPro; 8-channel A/D-D/A convertors; multichannel digital format convertor supporting AES/EBU, Alesis ODI, Tascam TDIF-1, Yamaha Y2 and spectral SMDAI; digital effects card and much more.

*Turnkey package ships with a fast Pentium tower computer system (rack mount version available), ADDA2218 convertor/audio interface, Prisma audio card and Express software (includes free software upgrades for life).

PRISMATOWER turn-key system **Mfr. List $8,495.00 Call For BSW Price**

SONIC DESKTOP
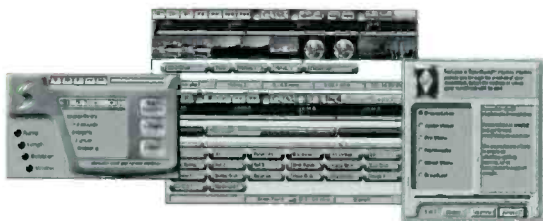
SMARTSOUND - Soundtrack Software

The absolute easiest way to get professional-quality soundtracks in any style — at any length down to the tenth of a second. All in a fraction of the time you now spend to get lesser results. This is not a collection of musical sound clips. Instead, SmartSound helps you create complete soundtracks using an intuitive graphical interface that doesn't require musical or computer knowledge. Just tell SmartSound what kind of music you need (opening, transition, background, etc.) — how long it should be and any style of music you want. Within minutes you can preview up to ten customized soundtracks that fit your exact specifications. Need more control? Use the drag and drop editor to build your own musical score in an easy, graphical editing environment. SmartSound comes with a built-in library of royalty-free music files, written and performed by top Hollywood professionals. Additional music is available on the Audio Palette series of CDs featuring tracks from The Music Bakery, Killer Tracks and other top music libraries. Windows or Mac compatible.

SMARTSOUND **Mfr. List $298.00 Call For BSW Prices**

HBS

CD Music Libraries

CD and hard drive music libraries featuring original hit versions by the original artist. A comprehensive data base is included, ready to load into your music scheduling system. Choose from several libraries including Rock 'N' Roll Graffiti (oldies 50's & 60's), Seventies AC Gold, AC/Hot AC Eighties and Nineties, Country Hits and Classic Rock (60s, 70s and 80s).

Call For BSW Pricing

SOUND IDEAS

CD Sound Effects/Production Music

No matter what you're after in the way of sound effects, Sound Ideas probably has it. There are 12 sound effects series to choose from including series created in conjunction with Hanna-Barbera, Warner Bros., Universal Studios, Lucasfilm and 20th Century Fox, with tens of thousands of individual digitally recorded effects. Additional libraries include sound effects on CD-ROM and a collection of instrument sounds and effects for digital samplers.

Call For Descriptions And BSW Prices

VALENTINO INC.

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 from 50 different CDs.

SFXCD 10 volumes of your choice **BSW Price $429.00**

Call BSW for pricing on high quality production music on CDs.

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
LX4EAS	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: 4 audio inputs on standard models (expandable to 6); 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, expandable to 4.5 minutes; 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.

EAS1	encoder/decoder	Mfr. List	$1,750.00
Pre Programming Fee		Mfr. List	$50.00
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; 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; operate 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.

3000D	encoder/decoder	Mfr. List	$3,500.00	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. 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. The EAS911R4 encoder/decoder includes printer, digital recorder and four audio inputs.

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

AKG

K240M

The K240M offers accurate reproduction at all listening levels, and extreme comfort with virtually no fatigue with prolonged use. Frequency response 15 Hz to 20,000 Hz. 4-600 ohm impedance. Mini plug with 1/4" adapter.

K240M — Mfr. List $160.00 — 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.

ATHD40 — Mfr. List $175.00 — Call For BSW Price
ATHM40 — Mfr. List $175.00 — Call For BSW Price

BEYER

DT770PRO

Super wide frequency response, excellent isolation and maximum comfort with "Bass reflex" technology for improved bass response. 5 Hz - 35 kHz frequency response. 600Ω nominal impedance. Mini plug with 1/4" adapter.

DT770PRO — Mfr. List $169.00 — Call For BSW Price

DT311

These lightweight, open-ear headphones offer reliable construction and fantastic sound. Frequency response is 20 Hz to 20 kHz. Impedance is 40Ω. Mini plug with 1/4" adapter.

DT311 — Mfr. List $79.00 — 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 10-22,000 Hz. impedance 230 ohm @ 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. 1/4" plug with adaptor for mini jack.

TD60 — Mfr. List $19.99 — Call For BSW Price

SENNHEISER

HD414P

The professional version of radio's most popular open-ear headphone with heavy duty Kevlar cable and hardwired 1/4" plug. Frequency response 20 to 25, 000 Hz. 600Ω impedance.

HD414P — Mfr. List $99.00 — Call For BSW Price

SENNHEISER

HD445

Affordable, semi-open ear headphones with transparent sound, clear treble and rich bass. Frequency response is 20-20,000 Hz. 1/4"/mini-plug connector type.

HD445	Mfr. List $79.95	Call For BSW Price

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 16 Hz to 22 kHz. Mini plug connector with 1/4" adapter.

HD25SP	Mfr. List $149.00	Call For BSW Price

SHURE

PSM600 - Personal Monitoring Systems

In-ear personal monitors for lowest profile audio monitoring. 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 an 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 1 P6HW body-pack receiver, 12 foot input cable and 1 set of E1 earpieces. The wireless system (P6TRE1) includes a P6T half-rack transmitter, P6R body-pack receiver and 1 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-NC20 - Noise Cancelling Headsets

The noise canceling circuit in these headphones actually senses outside noise with built-in mics and introduces an inversed signal to cancel out noise by up to 10 dB. Frequency response is 16 to 22,000 Hz. Closed headphone design offers even greater isolation from outside sound.

MDRNC20	Mfr. List $199.95	Call For BSW Price

7506 / 7504 / 7502

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" adapter.

The 7504 is lightweight and comfortable with a closed ear format. Collapses for easy storage. Frequency response is 50 Hz to 18 kHz. Mini plug connector with 1/4" adapter.

7502 is an economy headphone with surprising sound. Closed ear format. Frequency response is 60 Hz to 18 kHz. Mini plug connector with 1/4" adapter.

7506	Mfr. List $170.00	Call For BSW Price
7504	Mfr. List $128.00	Call For BSW Price
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 - 22,000 Hz. Also available in a shoulder rest version. 1/4" connector.

101HB	Mfr. List $92.00	Call For BSW Price

BEYER

DT290 - Headset

Low profile, lightweight design is very comfortable for long term operation. It also offers excellent isolation from ambient noise. 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.

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. Includes 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

CROWN

CM-311A/CM311A/E - Headsets

Turn the popular Sony 7506 into an excellent-sounding broadcast headset with the Crown CM-311A and CM-311A/E head-worn condenser microphones. CM-311A's cardioid pickup pattern offers maximum noise rejection and is powered by a 9V battery or phantom power. The accompanying battery belt pack offers a programmable on/off switch, easy access battery compartment and a "Mic On" LED. Cable terminated in an XLR connector.

The wireless CM-311A/E connects to a wireless transmitter of your choice (cable is unterminated). Sony headphones purchased separately.

CM311A	Mfr. List $299.00	Call For BSW Price
CM311A/E	Mfr. List $209.00	Call For BSW Price

SENNHEISER

HMD25X-Q - Headset

A very lightweight, durable headset that is comfortable and provides excellent isolation from crowd noise with acoustically dampened, sealed ear cups. Includes a supercardioid, noise-cancelling dynamic mic with frequency response of 50-12,000 Hz. Cable is unterminated with tined leads.

HMD25X-Q	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, 100 Hz to 8,000 Hz; mic response 50 Hz to 15,000 Hz. Cable detaches from headset and ships unterminated at the other end.

SM2	Mfr. List $277.50	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. 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 $165.00
MB11	supercardioid dynamic mic element	Mfr. List $49.00
MB12	supercardioid electret mic element	Mfr. List $49.00
CA10	cable (XLR and 1/4" for electret)	Mfr. List $150.00
CA11	cable (XLR and 1/4" for dynamic)	Mfr. List $110.00
	Call For BSW Prices	

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. This kit requires power supply and installation.

HPA1   BSW Price $70.00

FOSTEX

PH-50 - Headphone Amplifier

Drive up to 5 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.

PH50   Mfr. List $225.00   Call For BSW Price

FURMAN

HA-6A - Headphone/ Monitor Amp

Power 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

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 Q-MIX   Mfr. List $299.00   Call For BSW Price

RANE

HC6 - Headphone Amplifier

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 $479.00   Call For BSW Price

ROLLS

RA62HA - 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 for each channel so each can be used independent of the others.

RA62HA   Mfr. List $228.00   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

SX204 - Headphone Amplifier

The SX204 is a 1-in 4-out amplifier utilizing proprietary high voltage converter technology to drive high impedance headphones, while providing more than ample power for low impedance phones. Individual volume control for each channel.

SX204   Mfr. List $319.00   Call For BSW Price

APHEX

124A - Interface Amplifier

Easily interface 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
44-0085A rack kit	Mfr. List $29.95	Call For BSW Price

ATI
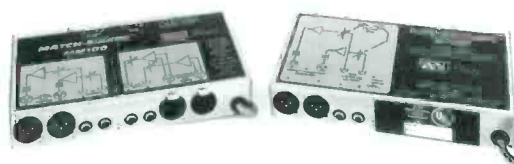
DP100/MM100 - Interface Amplifiers

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 Disc-Patcher in a bi-directional format for record and playback applications.

DP100	Mfr. List $279.00	Call For BSW Price
MM100	Mfr. List $299.00	Call For BSW Price

NANOAMP - Interface Amplifiers

High quality, ultra compact (1/3 rack width) interface amplifiers. The BI100 is a stereo, bi-directional pro/consumer interface unit. BU400 is a four channel unit—all balanced to unbalanced. UB400 is a four 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).

BI100	stereo, bi-directional	Mfr. List	$225.00
BU400	4-chnl. bal. to unbal.	Mfr. List	$215.00
UB400	4-chnl. unbal. to bal.	Mfr. List	$239.00
L200XLR	dual line/buffer amp.	Mfr. List	$215.00
SUM100	stereo to mono summing amp.	Mfr. List	$199.00
WA100-1	power supply	Mfr. List	$13.00

Call For BSW Prices

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.

LLS	Mfr. List $84.95	Call For BSW Price
LLS-8	Mfr. List $339.95	Call For BSW Price
Hum Eliminator	Mfr. List $74.95	Call For BSW Price

ESE

ES-244 - Audio Level Interface

This stereo, bi-directional coupling unit either meets or beats the specs of other units of the same type. It 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. Perfect for connecting consumer CD players and cassette decks to professional consoles, etc. XLR and RCA type I/O.

ES244	Mfr. List $185.00	Call For BSW Price
ES244P rack mount	Mfr. List $50.00	Call For BSW Price

HENRY ENGINEERING

MATCHBOXII / TWINMATCH - Interface Amplifiers

MatchboxII is an ideal and inexpensive way to correctly interconnect consumer equipment with professional studio gear. The Matchbox is a bi-directional unit with four independent amplifiers providing full stereo input and output interface. Features adjustable output levels and RF shielding. XLR and RCA I/O connectors.

Twinmatch is like the MatchboxII, but provides two stereo channels in one direction for playback of two consumer level units such as CD players. XLR and RCA I/O connectors.

MATCHBOXII	Mfr. List $195.00	Call For BSW Price
TWINMATCH	Mfr. List $195.00	Call For BSW Price

Imagine
Design
Build

With Audio Products From RDL™

Now with over 125 professional audio modules and accessories, RDL provides you with the building blocks to create the audio systems of your dreams. Rack-Up™, Stick-On™ and TX™ Series products offer highest quality performance, ultra-compact packaging and a wide variety of mounting options. Use them individually or combined into any imaginable configuration. Take away the limitations — build with RDL.

RDL products can be seen on pages 7, 51, 81, 82, 86, 98, 134, 137, 153 and 155 of this catalog.

RDL
Radio Design Labs

RDL

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. Discrete dual channels with XLR I/O.

RULA2D	IHF/pro interface	Mfr. List $266.00	Call For BSW Price
RUBLA2	line driver/buffer	Mfr. List $211.00	Call For BSW Price

RUSS FRIEND & ASSOC.

CD100X - Interface Amplifier

Very inexpensive conversion of a -10 dBv source to +4 dBu. RCA inputs and barrier strip outputs. Front panel, recessed trim pots. Perfect for consumer CD to pro equipment interface.

CD100X	Mfr. List $99.00	Call For BSW Price

VALLEY AUDIO

491 HH2X2C - Interface Amplifier

Interfaces consumer (-10 dBv) equipment to professional +4 or +8 dBu equipment. Two channel bi-directional unit with RCA unbalanced and XLR balanced connectors. **Options:** 496 rack kit allows two HH2x2C units to be racked side by side in a single rack space.

491	HH2X2C interface amp	Mfr. List $235.00	Call For BSW Price
496	rack mount kit (2-units)	Mfr. List $34.99	Call For BSW Price

ZERCOM

GAIN BOX - Gain Amplifier

Two independent channels of gain boost (0-30 dB range) with barrier strip inputs and outputs that can be run balanced or unbalanced. Use for level/impedance matching, gain boosting, even audio distribution. Includes mounting flanges and screwdriver adjust gain controls.

GAINBOX	Mfr. List $179.00	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	$136.00
STA1M	Audio Line Amp (mono)	$100.00
STSH1	Stereo Headphone Amplifier	$114.00
STPA2	2 Watt Utility Power Amplifier	$64.00
STPA6	6 Watt Audio Power Amplifier	$88.00
STMX3	Line Level Mixer	$114.00
STMMX3	Mic To Line Level Mixer	$126.00
STMLX3	Mic/Line To Line Level Mixer	$120.00
STMXL3	Line To Mic Mixer	$120.00
STDA3	Distribution Amplifier, Mono	$126.00
STMDA3	Mic-Level Distribution Amplifier	$126.00
STM1	Microphone Preamp, Fixed gain	$96.00
STM2	Mic Preamp W/Low Noise, Variable gain	$132.00
STM2X	Microphone Preamp, Switchable	$149.00
STM3	Microphone Preamp, High gain	$151.00
STMPA2	Mic Phantom Adapter	$83.00
STAMC3	Active Mic Combiner	$114.00
STPH1	Stereo Phono Preamplifier	$126.00
STVCA1	Voltage Controlled Amplifier	$113.00
STRG1	Ramp Generator	$103.00
STVP1	Voice-Over/Page Module	$126.00
STEQ3	3 Band Equalizer	$89.00
STHP1	High-pass filter (350 Hz - 30 kHz)	$113.00
STHP2	High-pass filter (500 Hz - 30 kHz)	$113.00
STCL1	Compressor/Limiter	$139.00
STGCA1	Gain Control Amplifiers	$119.00
STGCA2	Fast Gain Control Amplifiers	$119.00
STLCR1	Logic Controlled Relay (momentary pulse)	$70.00
STLCR2	Logic Ctrl. Relay (alternate action)	$103.00
STACR1	Audio Ctrl. Relay (.5-5.0 sec. release-line in)	$90.00
STACR1M	Audio Ctrl. Relay (.5-5.0 sec. release-mic in)	$92.00
STACR2	Audio Ctrl. Relay (5-50 sec. release-line in)	$90.00
STVOX1	Audio Ctrl. VOX Relay	$96.00
STSSR1	Solid State Audio Relay	$98.00
STSX4	4 Input Audio Switcher	$95.00
STOSC2A	Oscillator (1 kHz/10 kHz)	$98.00
STOSC2B	Oscillator (100 Hz/400 Hz)	$98.00
STNG1	White & Pink Noise Generator	$120.00
STCX1S	Subwoofer Crossover (22 Hz-80 Hz)	$113.00
STCX1W	Woofer Crossover (40 Hz-165 Hz)	$113.00
STCX1F	Full Range Crossover (100 Hz-30 kHz)	$113.00
STTC1	Telephone System Coupler	$96.00
STD150	Divider/Combiner (150 ohm)	$49.00
STD600	Divider/Combiner (600 ohm)	$49.00
STD10K	Divider/Combiner (10K ohm)	$49.00
STP1	Variable Attenuator (2-channel)	$55.00
PS24A	24 volt Power Supply For All Active Units*	$17.00
STPDS	Powers up to 5 units from one power supply	$64.00

Call For BSW Price
*Power supplies must be ordered separately

BROADCAST TOOLS

AFC - Audio Fade Controller

Add professional audio quality fade control to any audio source with the AFC. **Features:** two ranges of fade speed; on/off and preset dimming (-6 dB) via TTL/CMOS compatible control inputs; equipped with a 15 node addressable RS-232 serial port allowing full control of level and fade rate; balanced stereo outs; accepts any balanced stereo input with levels from -15 to +10 dBv.

AFC	Mfr. List $199.00	Call For BSW Price
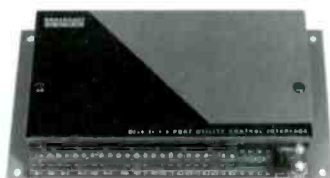
UI-4II - Universal Interface

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; operate 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-2 19" rack adapter (holds 2 units).

UI4II	Mfr. List $139.00	Call For BSW Price

CCIIA - Console Controller

Here's the solution for interfacing non-broadcast consoles—such as the Mackie CR1604—or digital workstations to the broadcast studio. **Features:** three channels of insert switching to turn on or off console input channels or other source equipment (i.e. mic pre's) as indicated by a bright red LED on each switch; the LEDs on each channel may be programmed to flash when activated; CC II offers monitor amplifier mute control (channel 3 may be programmed not to mute the monitors when activated); front panel monitor level control; ability to switch between internal or external (program/off-air) monitor input sources; installation utilizes simple insert cables with no modification to the mixer.

CCIIA	Mfr. List $299.00	Call For BSW Price

BROADCAST TOOLS

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.

PBB-24	Mfr. List $299.00	Call For BSW Price

HENRY ENGINEERING

SUPERELAY - Utility Control Interface

Ideal for controlling various equipment functions that are activated by an independent source. **Features:** superelay can be controlled by any switch, relay (momentary or maintained), or CMOS/TTL logic circuit; it provides six double-throw relay outputs for low-voltage and audio switching and 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

360 SYSTEMS

AM16B - Audio Routing Switcher

The basic switcher is a mono 16x16 matrix, but may also be configured as an 8x8 stereo unit, or as a 16x1 mono or 8x1 stereo selector. **Features:** several slave units may operate in parallel to provide more than sixteen simultaneous inputs for 16x16 stereo or multi-channel operation; all active power supply elements are fully redundant, so an AM16 B can keep working even if all regulated supplies experience a failure; 100 memory preset locations; all inputs and outputs are electronically balanced via large multi-pin connectors.

AM16B		Mfr. List	$1,495.00	Call For BSW Price
AM16R	remote controller	Mfr. List	$695.00	Call For BSW Price

BROADCAST TOOLS

2X1 - Stereo Audio Switcher/Router

Passively switches or routes two stereo inputs to one stereo output or vice-versa. **Features:** remote control/status; input one is normally routed to the output; gold contact relays; balanced I/O.

3X2 - Stereo Audio Switcher/Router

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.

6X1B - Stereo Audio Switcher/Router

Passively switches or routes 6 stereo inputs to a single stereo output. **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.

8X2A - Stereo Audio Switcher/Router

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.

10X1 - Stereo Audio Switcher/Router

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 serial port; balanced I/O.

SS3.1 - Stereo Audio Switcher/Router

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.

SS12.4 - Stereo Audio Switcher/Router

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 full function remote control units.

SM6 - Stereo Audio Selector/Mixer

Six stereo inputs feed a single stereo output (or dual mono outputs). Sources are added to the mix via front panel push-button select switches. **Features:** 15-turn input trim pots, supports balanced or unbalanced sources.

2X1	Mfr. List $139.00	Call For BSW Price
3X2	Mfr. List $399.00	Call For BSW Price
6X1B	Mfr. List $399.00	Call For BSW Price
8X2A	Mfr. List $629.00	Call For BSW Price
10X1	Mfr. List $529.00	Call For BSW Price
SM-6	Mfr. List $349.00	Call For BSW Price
SS3.1	Mfr. List $159.00	Call For BSW Price
SS12.4	Mfr. List $899.00	Call For BSW Price

BROADCAST TOOLS

RACK-O-SWITCHES/BOX-O-SWITCHES - Switch Panels

Rack-O-Switches (R.O.S.) and Box-O-Switches (B.O.S.) allow remote switching of any kind of equipment needing a normally open dry contact closure. **Features:** each of the 12 switches contains a bright red LED displaying the active status of the associated equipment connected to the R.O.S or B.O.S.; all connections on the B.O.S. are via screw terminals; connections on the R.O.S are made with dual DB-25 connectors.

ROS	Mfr. List $199.00	Call For BSW Price
BOS	Mfr. List $199.00	Call For BSW Price

ICM-16 Controller

ICM-16/OEM

ICM-16/RM

ICM-16/DT

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 with front panel mic inputs and headphone output with level control. ICM-16/OEM is a key-panel-only version for custom installations. **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 allows multiple sources to be on the air with properly maintained levels; LOOP mode provides a send and return for an outboard audio processor or recorder; the READY control locks and unlocks all functions to protect against accidental change of patch configuration; 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; 12 segment, multicolored LED program level meters; all connections via plug-in screw type connectors.

LX1	Mfr. List $1,295.00	Call For BSW Price

Excellent Selection!

A sumptuous selection of fine switchers at deliciously enticing prices. All Broadcast Tools switcher/router products are designed by seasoned broadcast professionals, specifically for broadcasters. They feature the highest quality components including gold contact switches, easy-to-use terminals and all-metal exteriors.

Entrees

SS12.4 ~ *Stereo Audio Switcher/Router*

A veritable smorgasbord of patching possibilities, the SS12.4 accommodates 12 stereo inputs and 4 stereo outputs with matrix-style audio routing. Features include a front-panel, 16-character, 2-line display showing 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 and optional full-function remote control units.

10x1 ~ *Stereo Audio Switcher/Router*

With enough inputs to satisfy the largest audio appetite, the 10x1 passively switches or routes 10 stereo inputs to one stereo output, or vice-versa. Other goodies include front panel safety lockout, programmable power up selection, output muting, remote control with status, remote step input and balanced I/O.

8x2A ~ *Stereo Audio Switcher/Router*

An all-time favorite, the 8x2A accommodates 8 stereo inputs, 2 stereo and 2 mono outputs controlled via front panel switches with LED status indicators. Other features include an internal silence sensor with LED indicator and an RS-232 serial port.

6x1 ~ *Stereo Audio Switcher/Router*

Front-panel switches allow passive selection of 6 stereo inputs routed to a single stereo output. Tasty features include safety lockout, programmable power up selection, output muting, remote control with status, remote step input and more.

For Reservations, Pricing and Information Call BSW at **1-800-426-8434**

Light Fare

2x1 ~ *Stereo Audio Switcher/Router*

This mouth-watering audio appetizer passively switches or routes two stereo inputs to one stereo output or vice-versa. With full remote control/status, it's the perfect choice for audio or composite source switching.

3x2 ~ *Stereo Audio Switcher/Router*

Designed to accommodate 3 stereo inputs and 2 stereo outputs, the 3x2 features multi-turn input trimmers, active balanced I/O and remote control capability. Perfect for studio output switching, and a nice complement to EAS and automation systems.

SS3.1 ~ *Stereo Audio Switcher/Router*

This is a spicy variation of the 3x2 featuring a step input with manual or automatic sequencing. Lavishly garnished with gold contact relays, remote control/status capability, an RS-485 serial port and balanced I/O. Passively switches or routes three stereo inputs to one stereo output.

SM6 ~ *Stereo Audio Selector/Mixer*

Mix to your hearts content! Six stereo inputs feed a single stereo output (or dual mono outputs). Sources are added to the mix via front panel push-button select switches (supports balanced or unbalanced sources). Includes 15-turn input trim pots.

BROADCAST tools inc.

CONEX

AS101 - Audio Routing Switcher

Silent, active switching for studio routing and monitoring applications. **Features:** allows any one of 10 stereo sources to be switched to the stereo output channel; switching is accomplished by pressing one of the illuminated 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

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 2 outputs. Available in mono or stereo configurations.

PRE6	6 x 1 desktop switcher	Mfr. List $110.00
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	

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.

MON-10	Mfr List $855.00	Call For BSW Price

RDL

RU-SX4 - Audio Switcher

A very compact audio switcher 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); a 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 82 for Stick-On™ Series switcher.

|		
RUSX4	Mfr. List $258.00	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.

|		
MLW-1	Mfr. List $1,800.00	Call For BSW Price
MLW-8	Mfr. List $1,995.00	Call For BSW Price

ADC
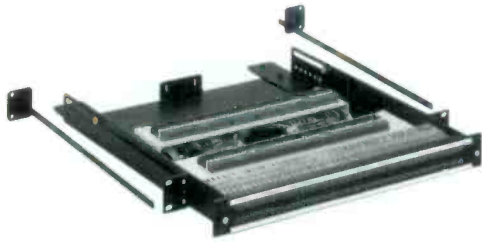
PRO PATCH PULL-OUT SERIES - Patchbays

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; terminate 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
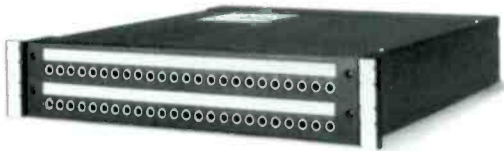
PROPATCH MARK II - Patchbays

Widely used in a number of pro audio industries, this very popular patchbay series offers absolute 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 help 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.
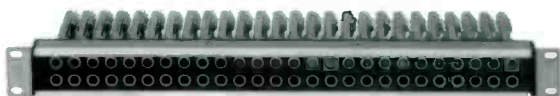
Call BSW For Price And Configuration

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 are separated with a cable harness in between; standard cable 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 $201.95	**Call For BSW Price**

ADC

P-KIT SERIES - Patch Kits

These money saving 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.

P-KIT1 1RU	panel/long frame jacks 2x24	Mfr. List $229.00
P-KIT1A 1RU	panel/long frame jacks 2x26	Mfr. List $249.00
P-KIT3 2RU	panel/long frame jacks 2x24	Mfr. List $229.00
P-KIT3A 2RU	panel/long frame jacks 2x26	Mfr. List $249.00
P-KITB 1RU	panel/bantam jacks 2x48	Mfr. List $305.00
P-KITB1 2RU	panel/bantam jacks 2x48	Mfr. List $305.00

Call For BSW Prices

Long Frame 1/4"   Bantam

PRO PATCH CORDS

ADC Pro Patch Cords are highly flexible, drape neatly, and won't kink. The plug is molded directly onto the patchcord offering outstanding strain relief. Plugs are nickel plated offering corrosion protection and quiet contact. Four colors available.

LONG FRAME PATCH CORDS

Single Plug	1'	2'	3'
		R2	
		G2	
Red	R1	B2	R3
Green	G1	BK2	G3
Blue	B1	$22.00 ea.	B3
Black	BK1		BK3
List Price	$21.00 ea.		$23.00 ea.

BANTAM PATCH CORDS

Single Plug	1'	2'	3'
Red	R1B	R2B	R3B
Green	G1B	G2B	G3B
Blue	B1B	B2B	B3B
Black	BK1B	BK2B	BK3B
List Price	$17.00 ea.	$18.00 ea.	$18.50 ea.

Call For BSW Prices And The Complete Selection Of ADC Patchcords

For Wire and Cabling Products, See Pages 156, 157

DBX

PB48 - Patchbay

A flexible patchbay in a single rack space chassis. **Features:** 48 1/4" TRS connections (front and back panels); high-quality TRS jacks with pure nickel-silver self-cleaning contacts for longer life and lower noise; unique modular design allows easy configuration of each patch pair for normalled or non-normalled operation.

|		
PB48	Mfr. List $179.95	Call For BSW Price

FURMAN

PB-40 SERIES - Patchbays

These sturdy, heavy gauge steel patch bays feature 40 patch points with either mono 1/4", 1/4" TRS or RCA jacks. **Features:** modular construction (20 circuit boards with 4 jacks mounted on each board) that makes it easy to reconfigure the panel with the types of jacks required for a given application by swapping out different boards; circuit boards are supplied with a "normalling" jumper, which means that the source feeding the top rear jack is usually connected to the corresponding bottom rear jack until a patch cord is inserted to reroute the circuit. Normals can be defeated by cutting the appropriate jumpers. **Options:** 30" patch cables (sets of 10 only) in RCA/RCA, 1/4"/1/4" or TRS/TRS configurations.

PB-40P	1/4" mono front and rear	Mfr. List	$165.00
PB-40R	rear jacks RCA/front 1/4"	Mfr. List	$155.00
PB-40RR	RCA jacks front and rear	Mfr. List	$155.00
PB-40H	rear half 1/4" half RCA, front 1/4"	Mfr. List	$165.00
PB-40T	1/4" TRS (balanced) front and back	Mfr. List	$180.00
PATCHP	1/4" to 1/4" patch cord set (10)	Mfr. List	$18.00
PATCHR	RCA to RCA patch cord set (10)	Mfr. List	$18.00
PATCHT	TRS to TRS patch cord set (10)	Mfr. List	$22.00
IP8	Isolation patchbay	Mfr. List	$259.00

**Call For BSW Prices**

GENTNER
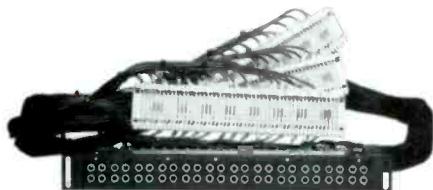
PRE-WIRED SERIES - Patch Systems

Features: Hand-wired to your specifications, using the highest quality components; a large variety of bay fronts and terminations are readily available for almost any configuration; available as chassis-enclosed audio patch panels with the terminations mounted on the rear panel, eliminating guesswork on bundle length and providing protection against RFI and dust. Offset jack spacing for stereo patching.

Call For Pricing And Configurations

MIDDLE ATLANTIC
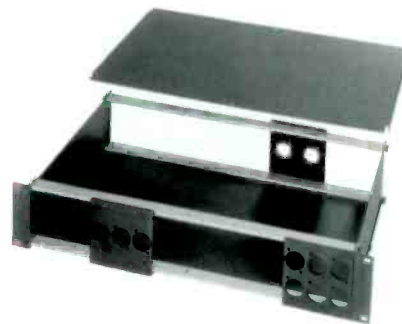
UCP-CH - Interface System

Create your own custom interface/patch panels with the UCP-CH Chassis and UCP modules. **Features:** chassis is 2RU high and 9" deep and holds 5 single width modules on front and rear; choose from a wide variety of modules with pre-machined cutouts for connectors including XLR, RCA, 1/4", multi-pin Elco, Amp, Neutrik Speakon, MIDI, DB style, BNC and more (modules sold separately); removable top and bottom.

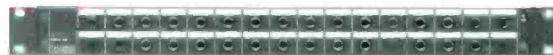|		
UCPCH UCP chassis	Mfr. List $62.50	Call For BSW Price
All Single Width UCP Modules	Mfr. List $11.00	Call For BSW Price

CLAW - Cable Hanger

Features: handy storage of patch cables and test leads; side trays hold loose items; unique dual-size claw holds large and small cables; 16"W x 3.5"D.

CLAW	Mfr. List $14.00	Call For BSW Price

TASCAM

PB32 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.

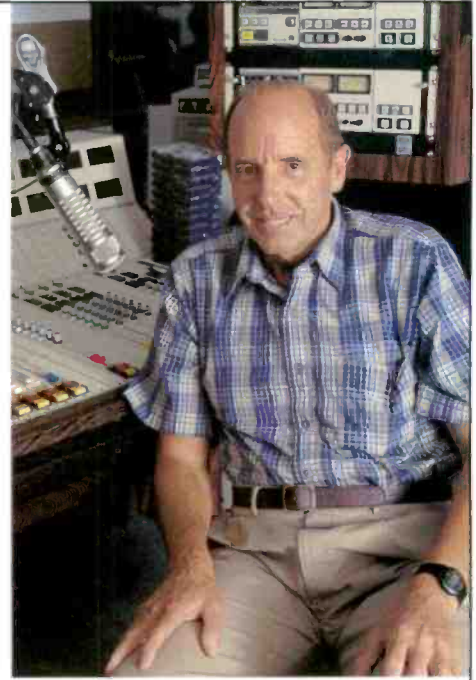|		
PB-32P	1/4" mono front and rear	Mfr. List $185.00
PB-32R	RCA jacks front and rear	Mfr. List $185.00
PB-32B	1/4" TRS (balanced) front and back	Mfr. List $185.00
PB-32H	front jacks 1/4"/rear jacks RCA	Mfr. List $210.00
PB-32W	12 1/4" and 20 RCA circuits	Mfr. List $185.00
CU/PC245	1/4" to 1/4" patch cords (set of 8)	Mfr. List $20.00
CU/PC145	RCA to RCA patch cords (set of 8)	Mfr. List $15.00
CU/PC945	TRS to TRS patch cords (set of 8)	Mfr. List $27.50

Call For BSW Prices

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 $1,500.00
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; requires phantom power; includes stand adaptor and windscreen; **Optional Accessories:** GS-5 windscreen.

C414BULS   Mfr. List $1,285.00
Call For BSW Price

C3000 - Condenser Mic

Type: large diaphragm electret condenser; **Pickup Pattern(s):** cardioid and hypercardioid; **Features:** bass roll off switch; 10 dB pad; internal elastic spider suspension; integrated windscreen. **Optional Accessories:** GS-5 windscreen.

C3000   Mfr. List $438.00
Call For BSW Price

AUDIO TECHNICA

AT4050/CMS - Condenser Mic

Type: large-diaphragm condenser; **Pickup Pattern(s):** cardioid, omnidirectional and figure-8; **Features:** consistent, true-to-life sound in all polar patterns; spider shock mount and protective case included. **Optional Accessories:** GS-5 windscreen.

AT4050CMS   Mfr. List $995.00
Call For BSW Price

AUDIO TECHNICA

AT4033/SM - Condenser Mic

Type: large-diaphragm condenser; **Pickup Pattern:** cardioid; **Features:** dynamic range and sensitivity of high-end studio mics; switchable hi-pass filter; internal windscreen; includes spider shock mount. **Optional Accessories:** GS-5 windscreen.

AT4033SM   Mfr. List $725.00
Call For BSW Price

BEYER

MC834 - Condenser Mic

Type: large diaphragm electret condenser; **Pickup Pattern:** cardioid; **Features:** wide range; flat frequency response; exceptional signal to noise; high SPL capability; 10 & 20dB pads; transformerless output; 3 position low frequency roll-off; includes stand clamp. **Optional Accessories:** EA 834 elastic suspension mount; GS-5 windscreen.

MC834   Mfr. List $999.00
Call For BSW Price

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 $928.00
Call For BSW Price

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 $878.00
Call For BSW Price

ELECTRO-VOICE

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 18,000 Hz; includes stand clamp. Optional Accessories: 309A spider shockmount; WS1 windscreen.

RE20   Mfr. List $786.00
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 shockmount; WS87 windscreen.

TLM103   Mfr. List $995.00
Call For BSW Price

U87AI - Multi-Pattern Condenser Mic

Type: large-diaphragm condenser; Pickup Pattern: 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 $2,725.00
Call For BSW Price

TLM193 - Cardioid Condenser Mic

Type: large diaphragm, double membrane condenser; Pickup Pattern: cardioid; Features: very low (10 dBA) self noise; 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 - Condenser Mic

Type: large diaphragm condenser; Pickup Pattern(s): 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.

NT1   Mfr. List $499.00
Call For BSW Price

NT2 - Condenser Mic

Type: large diaphragm condenser; Pickup Pattern(s): omnidirectional and cardioid; Features: gold plated diaphragm membranes; high pass filter; -10dB pad; frequency response 20 to 20,000 Hz. Optional Accessories: SM1 shock mount, windscreen; aluminum flight case.

NT2   Mfr. List $749.00
Call For BSW Price

SENNHEISER

MD421II - Dynamic Cardioid Mic

Type: dynamic; Pickup Pattern: cardioid; Features: very rugged construction; 5-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

SM7 - 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.

SM7   Mfr. List $566.50
Call For BSW Price

AUDIO TECHNICA

AT804 - Dynamic Mic

Type: dynamic; Pickup Pattern: omnidirectional; Features: excellent interview mic; super rugged construction; frequency response 50 to 15,000 Hz; 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

OM5 - Dynamic Mic

Type: dynamic; Pickup Pattern: cardioid; Features: designed for voice; high output with natural, undistorted sound; tight polar pattern helps prevent feedback and rejects unwanted noise. Optional Accessories: WS900 series windscreen; M25 cable.

OM5   Mfr. List $329.00
Call For BSW Price

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 $99.00
Call For BSW Price

M58 - Dynamic Mic

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.

M58   Mfr. List $259.00
Call For BSW Price

ELECTRO-VOICE

635N/D - Dynamic Mic

Type: dynamic; Pickup Pattern: omnidirectional; Features: N/DYM® magnet provides increased output and sensitivity; super rugged construction; available in beige or black; includes stand clamp and unterminated cable. Optional Accessories: WS600 series windscreen.

635N/D   Mfr. List $190.00
Call For BSW Price

635A/635L - Dynamic Mics

Type: dynamic; Pickup Pattern: omnidirectional; Features: super rugged construction; voice-tailored response; popular interview mic; available in beige or black; includes stand clamp and unterminated cable. Optional Accessories: WS600 series windscreen.

635A	standard length	Mfr. List $166.00
635L	extended length	Mfr. List $184.00

Call For BSW Price

RE45N/D - Dynamic Shotgun Mic

Type: dynamic; Pickup Pattern: extended cardioid; Features: for handheld or camera use; N/DYM™ dynamic element has the output level of a condenser without the need for external power. Frequency response 50 to 15,000 Hz (close), 150 to 15,000 Hz (far); includes clip, case, windscreen, and shock handle.

RE45N/D   Mfr. List $676.00
Call For BSW Price

RE50/RE50N/D - Dynamic Mics

Type: dynamic; Pickup Pattern: omnidirectional; Features: standard or neodymium models; similar to the 635A, plus built-in shockmount and blast filter for low handling and wind noise; beige or black.

RE50	standard	Mfr. List $286.00
RE50N/D	neodymium	Mfr. List $344.00

Call For BSW Prices
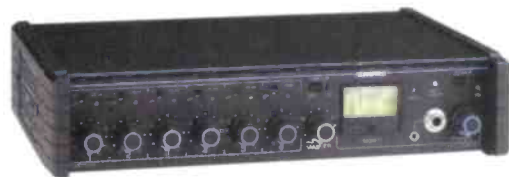
ELECTRO-VOICE

RE15/RE16 - Dynamic Mics
Type: dynamic; Pickup Pattern: super-cardioid; Features: wide, flat response and uniform super-cardioid pattern with minimal off-axis coloration; includes stand clamp. Optional Accessories: WS300 Series windscreen.

RE15 standard version   Mfr. List $512.00
Call For BSW Price
RE16 adds internal blast filter
Mfr. List $549.00   **Call For BSW Price**

ND357B - Dynamic Mic
Type: dynamic; Pickup Pattern: cardioid; Features: extended frequency response and higher output levels; includes stand clamp and case. Optional Accessories: WS300 Series windscreen; M25 cable.

ND357B   Mfr. List $256.00
Call For BSW Price

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 $147.00
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 $188.75
Call For BSW Price

SHURE

SM87LC - Condenser Mic
Type: condenser; Pickup Pattern: super cardioid; Features: surprising amount of gain before feedback; shock isolated capsule; built-in multistage blast filter; low susceptibility to RF interference; requires phantom power. Optional Accessories: WS900 Series windscreen; M25 mic cable.

SM87LC   Mfr. List $292.00
Call For BSW Price

VP64 - Dynamic Mic
Type: dynamic; Pickup Pattern: omnidi-rectional; Features: very low handling noise; pick-up pattern doesn't suffer from proximity effect; neodymium magnet provides increased output and improved clarity; includes windscreen and stand clamp. Optional Accessories: M10 mic cable; IC6 interview cable.

VP64   Mfr. List $135.00
Call For BSW Price

BETA58A - Dynamic Mic
Type: dynamic; Pickup Pattern: super-cardioid; Features: the warmth of the 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 $266.00
Call For BSW Price

BETA87 - 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; very low handling noise; requires phantom power. Optional Accessories: WS900 Series windscreen; M25 mic cable.

BETA87   Mfr. List $434.00
Call For BSW Price

A. AUDIO TECHNICA AT803B - Lavalier Mic

Type: condenser lavalier; **Pickup Pattern(s):** omnidirectional; **Features:** high intelligibility for vocal reproduction; low frequency roll-off switch; requires AA battery or 9-52 volt phantom power; includes clothing clip, windscreen and case. **Optional Accessories:** AT8412 double tie clip; AT8414 tie tac clip; M10 or M25 mic cables.

AT803B	Mfr. List $185.00	Call For BSW Price

B. BEYER MCE715 - Lavalier Mic

Type: electret condenser lavalier; **Pickup Pattern(s):** omnidirectional; **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 CO2PRO - Lavalier Mic

Type: electret condenser mini lavalier; **Pickup Pattern(s):** omnidirectional; **Features:** smaller than a standard paper clip, paintable mic and cable surfaces; extremely durable with extra long cable; 12-52 volt phantom power required; includes single mic & cable tie bars, dual mic tie bar, mic & cable vampire clips, tie tack, vinyl pouch; white version available. **Optional Accessories:** CO2E unterminated version for wireless; CO2EX with TA4F connector for EV and Vega wireless; M10 or M25 mic cables.

CO2PRO	Mfr. List $400.00	Call For BSW Price

D. SENNHEISER MKE102/104 - Lavalier Mics

Type: subminiature condenser lavalier; **Pickup Pattern(s):** MKE102 omnidirectional, MKE104 cardioid; **Features:** interchangeable mic capsules; optimized for speech; extremely small size; low self-noise; requires K6 power module for battery or phantom power; includes windscreen **Optional Accessories:** right angle cable; various mounting clips .

MKE102S-60	MKE102 w/cable, tie clip	Mfr. List	$317.00
MKE104S-60	MKE104 w/cable, tie clip	Mfr. List	$317.00
K6	Power Module	Mfr. List	$285.00
		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.

MX180	Mfr. List $260.00-$290.00	Call For BSW Price

F. SONY ECM55B - Lavalier Mic

Type: condenser lavalier; **Pickup Pattern:** omnidirectional; **Features:** voice tailored frequency response, requires AA battery or 48 volt phantom power. Included accessories: mesh windscreen, single horizontal and vertical tie clips, mic case. **Optional Accessories:** various mounting clips, multicolored urethane windscreens, power supply holder clip

ECM55B	Mfr. List $405.00	Call For BSW Price
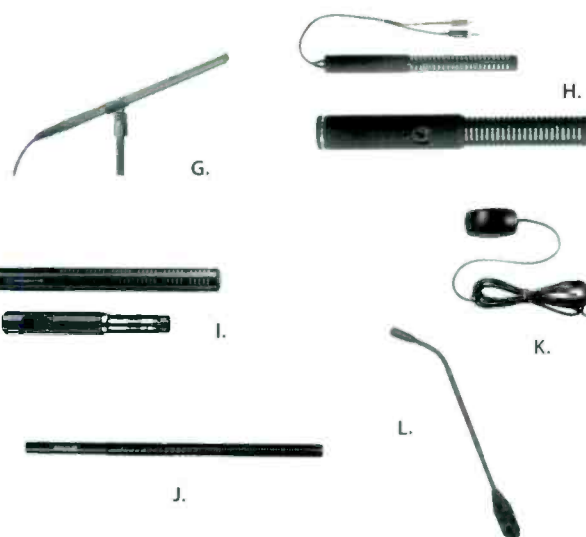
G. AUDIO TECHNICA AT815B/AT835B - Shotgun Mics

Type: condenser shotgun; **Pickup Pattern(s):** line+gradient; **Features:** super tight pattern and high sensitivity for long range pickup; low frequency roll-off switch; requires "AA" battery or phantom power; AT815B has slightly extended reach and LF response; mics include windscreen, battery and carrying case. **Optional Accessories:** AT8410A shock mount.

AT815B	18.1" long	Mfr. List $399.00	Call For BSW Price
AT835B	14.5" long	Mfr. List $329.00	Call For BSW Price

H. BEYER MCE86/87 - 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	battery/phantom/XLR	Mfr. List $499.00 Call For BSW Price
MCE87S	camcorder version	Mfr. List $439.00 Call For BSW Price

I. SENNHEISER ME66 - Short Shotgun Mic

Type: condenser shotgun; **Pickup Pattern(s):** supercardioid; **Features:** extremely high sensitivity; very low self-noise; requires K6 power module (single AA battery or phantom power); slightly high-frequency boost for greater intelligibility on long range pickup. **Optional Accessories:** MZW60-1 blimp windscreen; shockmount; pistol grip.

ME66	Mfr. List $279.00	Call For BSW Price
K6	Mfr. List $285.00	Call For BSW Price

J. SHURE SM89 - Shotgun Mic

Type: condenser shotgun; **Pickup Pattern:** supercardioid; **Features:** very natural sounding; unique port design decreases off-axis coloration; super light construction; includes windscreen and carrying case. **Optional Accessories:** A89SM shock mount.

SM89	Mfr. List $927.00	Call For BSW Price

K. AKG C400BL - Boundary Mic

Type: condenser; **Pickup Pattern(s):** hypercardioid; **Features:** excellent for table tops, lecturns, stages or any application requiring an inconspicuous, highly directional mic; pickup angle between 0°-50°, relative to mounting surface; paintable; XLR connection; requires phantom power.

C400BL	Mfr. List $148.00	Call For BSW Price

L. AUDIO TECHNICA AT857QMA - Gooseneck Mic

Type: condenser gooseneck; **Pickup Pattern(s):** cardioid; **Features:** double gooseneck; perfect for podiums/lecturns; low frequency roll off switch; plugs into XLR socket or cable; requires phantom power; includes windscreen; 14" and 19" lengths. Also available 5/8"-27 thredded mount.

AT857QMA	14" long	Mfr. List $260.00	Call For BSW Price
AT857QMLA	19" long	Mfr. List $275.00	Call For BSW Price

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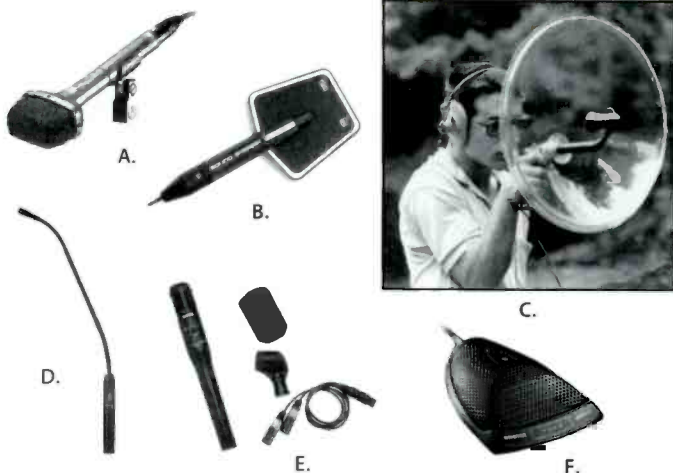
A. AUDIO TECHNICA AT822/AT825 - X/Y Stereo Mics

Type: condenser; **Pickup Pattern(s):** 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

B. CROWN PZM - PZM Mic

Type: condenser; **Pickup Pattern(s):** hemispherical; **Features:** excellent table mounted conference mic; can be used handheld or even on video cameras; requires AA battery or phantom power, includes mic stand clamp

PZM	Mfr. List $99.00	Call For BSW Price

C. RD SYSTEMS P650 - Parabolic Mic

Type: condenser; **Pickup Pattern(s):** parabolic; **Features:** one of the most directional microphones ever produced; up to 75 times the pickup capability of standard mics; ideal for sports, nature recording, etc.; battery powered; includes handle, aiming sights, monitor earphone and carrying case.

P650	Mfr. List $649.00	Call For BSW Price

D. SHURE MX412S/C,S or O - Gooseneck Mic

Type: condenser; **Pickup Pattern(s):** Select from cardioid (C), supercardioid (S) or omnidirectional (O); **Features:** interchangeable condenser microphone cartridge; wide frequency response; silent mute switch with LED indicator; shock mount; snap-fit foam windscreen; 12" length. Other models also available including 18" lengths and threaded flange mounts.

MX412S/C,S or O	Mfr. List $299.00	Call For BSW Price

E. 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; requires phantom power or internal 6 volt battery; includes windscreen, stand clamp and XLR "Y" cable. **Optional Accessories:** A88SM shock mount; A88ZK zeppelin windscreen kit.

VP88	Mfr. List $995.00	Call For BSW Price

F. SHURE MX393 - Boundary Mic

Type: condenser; **Pickup Pattern(s):** cardioid, supercardioid or omnidirectional (specify one); **Features:** for conferencing, stage, boardrooms, etc.; interchangeable mic cartridges; programmable switch for push-to-mute, push-to-talk, or push on/push off modes; LED indicator; detachable cable; requires phantom power; specify cardioid, supercardioid or omni.

MX393	Mfr. List $310.00-$340.00	Call For BSW Price

AUDIO TECHNICA

1100 SERIES VHF - Wireless Mic Systems

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 $550.00
ATW1127830	omni lavalier system	Mfr. List $589.00
	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—even a battery and cable for plugging into your system.

SET1083U	MKE-2 lav. system	Mfr. List $1,995.00
SET1081U	handheld system	Mfr. List $1,995.00
	Call For BSW Prices	

SHURE

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 receive; 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; hand held and lavalier transmitters with popular Shure microphone elements that are perfectly matched to the system electronics.

SC24/58	SMS8 handheld system	Mfr. List $1,068.00
SC14/83	omni lavalier system	Mfr. List $966.00
	Call For BSW Prices	

SHURE

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; hand held and lavalier transmitters with popular Shure microphone elements that are perfectly matched to the system electronics; audio muting.

LX24/58	SMS8 handheld system	Mfr. List $852.00
LX14/83	omni lavalier system	Mfr. List $750.00

Call For BSW Prices

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 headworn 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; components provide a complete and interchangeable system; transmitters offer 12 hour battery life; receivers may be linked together; LCD display; and more.

Call For System Configurations and BSW Prices

SONY

800 SERIES - Wireless UHF Mic Systems

Features: 800 MHz UHF transmission quality with a choice of 94 channels 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; remote battery alarm; comprehensive LCD displays; high-quality microphones. WRT-8HP68 is a handheld system with a wide-cardioid condenser mic. WRT-8LP68 is an lavalier system with an entry level Sony omni-directional mic. Order the optional ECM44BMP for a professional quality lavalier mic to use with the WRT-8LP68.

A rack mountable modular receiver is also available with tuner slots for six simultaneous microphones.

WRT-8HP68	handheld system	Mfr. List $1,099.95
WRT-8LP68	lavalier system	Mfr. List $1,099.95

Call For BSW Prices

TELEX

FMR70/FMR150 VHF - Wireless Mic Systems

FMR systems incorporate Telex Posi-Phase Auto Diversity for outstanding operating range without dropouts. The FMR70 Series is a fixed frequency system while the FMR150 is frequency agile. Features: (FMR70 and FMR150 Systems): low noise audio companding; Posi-Squelch III Auto Suppression™; balanced XLR mic level output. Features: (FMR-150 only): frequency agile system with front panel selection of 3 frequencies (screwdriver adjustment on the transmitters).

Both systems are available with handheld and lavalier transmitters.

FMR70	systems from $617.00 Mfr. List	Call For BSW Price
FMR150	systems from $940.00 Mfr. List	Call For BSW Price

ENG-500 UHF - Wireless Mic System

ENG persons will love the flexibility of the ENG-500 system that works with your favorite handheld field microphone. Features: (transmitter): 2 selectable UHF channels; metal water resistant case; low battery/overmodulation indicator; runs on standard 9 volt battery offering +6 volt dc phantom power; single switch power/mute. Features (receiver) ultra-compact true-diversity receiver fits on side of equipment rack or video cam; balanced XLR switchable mic/line output; headphone jack; 5-segment RF/Audio and battery level meters; 9-17 volt dc adaptor or 9 volt battery powered; includes removable 1/4 wave antennas and carrying case.

ENG500	UHF receiver	Mfr. List $1,995.00
UT500	UHF transmitter	Mfr. List $995.00

Call For BSW Prices

VEGA

U2020 UHF - Wireless Mic System

A very affordable UHF system with maximum frequency agility. Features: 100 selectable frequencies; true diversity receiver with dual mode squelch and transparent audio compounding; XLR and 1/4" mic/line outputs; handheld and bodypack/lavalier transmitters feature low battery/overload LEDs, power on/off and audio on/off switches.

U2020BPM	omni lavalier system	Mfr. List $900.00
U2020H5	handheld system	Mfr. List $974.00

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

210 PRO MPA/254 DUAL MP - Tube Mic Preamps

210 PRO MPA Features: professional two-channel unit; exceptional sound quality; VU and LED level metering; >100 dB dynamic range; input and output level controls; high pass filter; phase reversal, +20 dB and phantom power switches; balanced XLR and unbalanced 1/4" outputs.

254 DUAL MP Features: affordable two-channel unit; low distortion; switchable phantom power; two ranges of input gain for mic or line levels; phase reversal switch; balanced XLR and unbalanced 1/4" outputs.

210	PRO MPA	Mfr. List $649.00	Call For BSW Price
254	DUAL MP	Mfr. List $349.00	Call For BSW Price

ATI
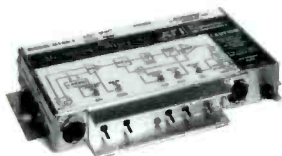
M100 ULTIMIKE - Mic Preamp

Features: unusually quiet preamp has impressive hum and RF rejection; accepts +20 dBm maximum input; switchable and adjustable gain; limiter; lo-cut filter; 48 volt phantom power; phase reversing switch; balanced XLR outputs.

M100	Mfr. List $349.00	Call For BSW Price

EVENT

EMP-1 - Mic Preamp

Features: ultra-low noise operation; selectable phase; low cut filtering; 48 volt 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

RANE

DMS 22 - Dual Mic Preamp

Features: dual XLR inputs; stereo output with separate pan and level controls; 3-Band EQ; selectable 1S/S0/100 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 82 for Stick-On Series™ mic preamps.

RUMP2	Mfr. List $299.00	Call For BSW Price
PS24A	Power Supply	BSW Price $12.00

ROLLS

RP220 - Dual Tube Mic Preamp

Features: utilizes 12AX7A tubes in a unique configuration to give smooth controllable gain with true transformer balanced inputs; front panel gain and volume controls and 5 segment output level LEDs; inputs and outputs are selectable for mic or line levels and feature both unbalanced 1/4" and balanced XLR connections.

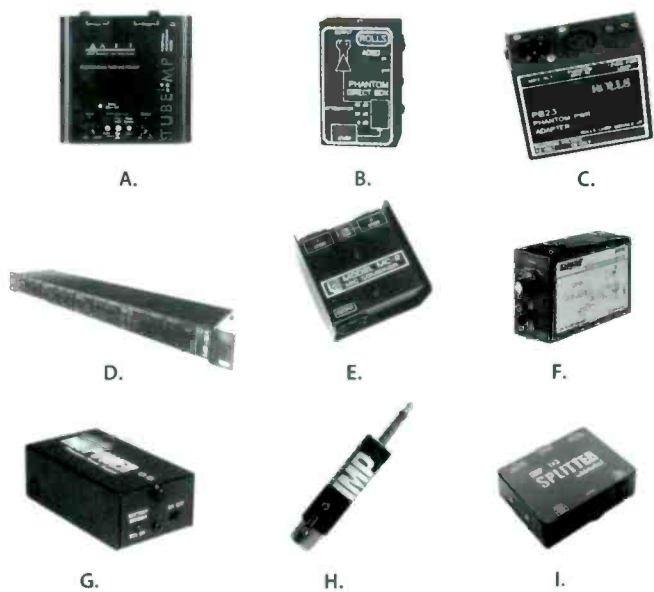|		
RP220	Mfr. List $500.00	Call For BSW Price

SYMETRIX

SX202 - Dual Mic Preamp

Features: two ultra clean microphone preamplifiers with variable gain; 15 dB pad; +48 volt phantom powering; polarity reversal switch; separate left, right, and left + right balanced/unbalanced TRS outputs.

SX202	Mfr. List $319.00	Call For BSW Price

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A. ART 127 TUBE MP - Mic Pre/Direct Box

Use for tube mic pre, active direct box, or phantom power unit.

| 127 | Mfr. List $159.00 | Call For BSW Price |

B. ROLLS ADB2 - Phantom Direct Box

Powered by phantom power, this direct box offers a 3 position attenu ator and ground lift switch. Two 1/4" ins-XLR out.

| ADB2 | Mfr. List $50.00 | Call For BSW Price |

C. ROLLS PB23 and PB24 - Phantom Power Adaptors

Provides 12 or 48 V DC phantom power. PB23 includes AC/DC adaptor. PB24 also operates on two 9-volt batteries with approximate life of 20 hours.

| PB23 | Mfr. List $50.00 | Call For BSW Price |
| PB24 | Mfr. List $90.00 | 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 $333.00 | Call For BSW Price |

E. PROCO MC2 - Mic Combiner

2 female XLR ins, 1 male XLR out with input polarity reverse switch.

| MC2 | Mfr. List $119.00 | Call For BSW Price |

F. SHURE FP11 - Mic-to-Line Amp

Balanced XLR mic input to balanced XLR line output. Uses 9 volt battery and includes limiter, AUX in and belt clip.

| FP11 | Mfr. List $370.00 | Call For BSW Price |

G. WHIRLWIND MICPOWER - Phantom Power Adaptor

Provides +12 to +18VDC phantom power. Operates on two 9 volt batter ies for approximately 50 hours. Includes battery level LED.

| MICPOWER | Mfr. List $89.00 | Call For BSW Price |

H. WHIRLWIND LITTLE IMP - Impedance Matcher

XLR low-Z input to 1/4" high-Z output. Lets pro level mics be used with consumer level mic inputs.

| LITTLE IMP | Mfr. List $12.25 | Call For BSW Price |

I. WHIRLWIND SPLITTER 1X2/1X3 - Mic Splitters

One low impedance XLR input to 2 or 3 low impedance XLR, transformer isolated outputs with separate ground lifts.

| SPLITTER1X2 | Mfr. List $71.00 | Call For BSW Price |
| SPLITTER1X3 | Mfr. List $93.00 | Call For BSW Price |

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 |

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 |

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 |

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 |

CRYSTAL PARTNERS

BIG EARS - Parabolic Reflector

Big Ears by Crystal Partners 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 Kevilar, Buterate and Acrylic combina- tion, it offers remarkable clarity over a wide frequency range. It comes complete with handle and microphone yoke with spaces for mounting wireless equipment. Available in 6 transparent colors.

| BIG EARS | Mfr. List $1,249.00 | 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" or 7" filter frames; 13" black gooseneck; brass tipped locking screw prevents scratching of mic stands; replacement screen available.

GS-5	5" screen w/gooseneck	Mfr. List	$22.50
GSS-5	5" replacement screen	Mfr. List	$17.78
GS	7" screen w/gooseneck	Mfr. List	$37.00
GSS	7" replacement screen	Mfr. List	$27.00

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

WindTech™ 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 choose from virtually any color of the rainbow (plus neons and tie-dyes on certain models). Low cost windscreens for shotgun mics also available.

Series	Description	Inside diameter	BSW Price
*WS1	X-large cylindrical	2"	$19.95
*900	large spherical	1 5/8"	$4.95
*300	regular spherical	1 3/8"	$4.75
*600	small spherical	1"	$4.25
*5700	squared cylindrical	1"	$4.25
*1200	large cylindrical	3/4"	$3.75
*1300	small cylindrical	5/8"	$3.50
*500	podium	1/2"	$3.25
*1100	lapel	1/4"	$3.25
*1500	round lavalier	3/8"	$3.25
*2300	mini round lavalier	3/16"	$3.00
*2100	tear-drop	1/4"	$3.00

*Please specify color
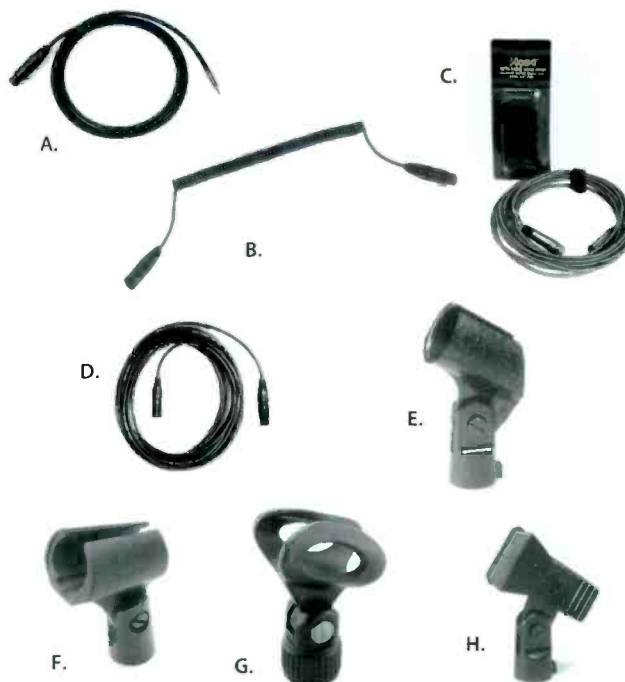
A. BSW IC6 - Interview Cable
6' adaptor cable interfaces mics with portable recorders. XLR to 1/8" mini.
IC6   BSW Price $14.00

B. BSW MC24 - Coiled Mic Cable
Coiled black cable for interviews, 2.5' long retracted, extends to over 10'.
BSWMC24   BSW Price $37.95

C. HOSA WTI148G - Cable Ties
Velcro ties keep mic cables coiled neatly. Tie stays attached to cable even when uncoiled.
WTI148G   BSW Price $5.50

D. PROCO M10/M25 - Mic Cables
Quality, low-loss mic cables in 10' or 25' lengths with XLR connectors.
M10   BSW Price $9.95
M25   BSW Price $11.95

E. WINDTECH MC6 - Mic Clip
Standard tapered, slip-in clip fits most handheld mics. Adjustable angle; brass insert with 5/8"-27 threads.
MC6   BSW Price $3.95

F. WINDTECH MC9 - Insulated Mic Clip
Heavy duty clip with rubber insulator. Adjustable angle; brass insert with 5/8"-27 threads.
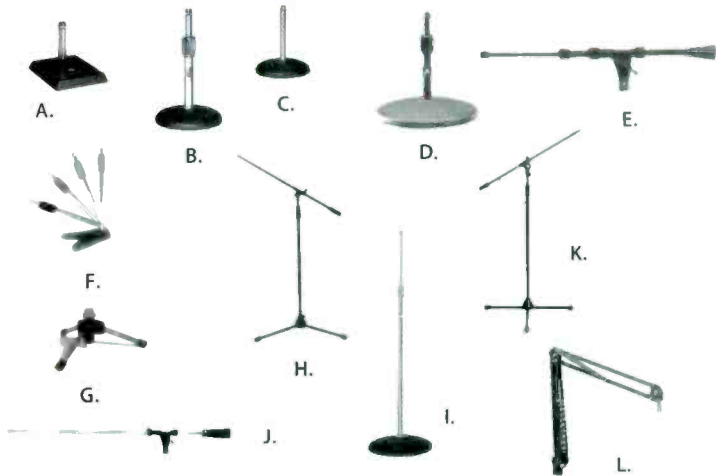MC9   BSW Price $4.95

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   BSW Price $4.75

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   BSW Price $4.50

A. ATLAS DS2 - Vibration Isolating Stand
Non-adjustable 3" high chrome tube Non-reflective 4"x 6" charcoal base.
DS2   BSW Price $23.95

B. ATLAS DS7 - Adjustable Desk Stand
Adjustable height 8" to 13". Grip-action clutch. 6" diameter base.
DS7   BSW Price $18.95

C. ATLAS DS5 - General Purpose Stand
Non-adjustable 4" high chrome tube. 6" diameter cast iron charcoal base.
DS5   BSW Price $13.95

D. 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   BSW Price $27.95

E. ATLAS PB11XE - Short Mic Boom
Boom extends from 16.25" to 24.5". Use with DMS-7E to create a heavy duty boom stand for tabletop applications such as interviews, etc.
PB11XE   BSW Price $43.95

F. QUIK LOK A114 - Telescopic Desk Stand
Heavy weight base and pivot feature allow for optimum placement of even heavy studio mics. Adjustable from 16.5" to 23.5".
A114   BSW Price $44.95

G. ULTIMATE KM231/1- Tripod Desk Stand
Chrome legs fold in so stand fits easily into equipment bag or brief case.
KM231/1   BSW Price $11.95

H. QUIK LOK A/205 & A/300 - Tripod Floor Boom Stands
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
A/205   BSW Price $58.95
A/300   BSW Price $35.95

I. ATLAS MS12C - General Purpose Floor Stand
10" weighted base. Adjustable from 34" to 62" Black or silver.
MS12C   BSW Price $34.95

J. ATLAS PB25X - Microphone Boom
Attaches to any stand with 5/8" threads. Grip action clutch. Expandable from 31" to 50". Black or silver.
PB25X   BSW Price $59.95

K. TE16BE - Microphone Stand W/Boom
Rugged tripod mic stand with boom. Stand height adjustable from 35" to 60". Boom extends to 25 1/2". Black color.
TE16BE   BSW Price $49.95

L. O.C. WHITE 51900 - Microphone Boom
Top-quality 37" heavy-duty mic boom with 12" riser . Gray or black.
51900   BSW Price $135.95

M. 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   BSW Price $11.95

N. ATLAS BC-1 - Desk Clamp
Bracket-style clamp with 6" chrome tube attaches to tables, countertops, workstation furniture etc.
BC1   BSW Price $23.95

O. 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   BSW Price $7.95
GN13   BSW Price $9.95
GN19   BSW Price $19.95

P. ATLAS CH-1B - Cable Hanger
Use to hang coiled mic cables or headphones on mic stand.
CH1B   BSW Price $14.95

Q. ATLAS AD-11B - Mounting Flange
5/8"-27 female flange with 1 3/4" base diameter. Chrome or black.
AD11B   BSW Price $6.95

LUXO
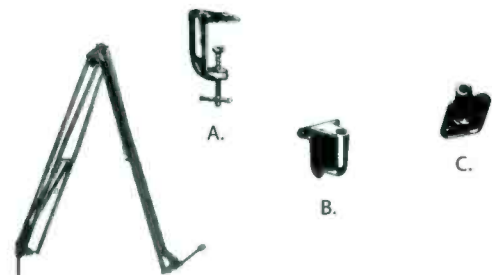
LM SERIES - Studio Microphone Boom/Arm
LM1 is a 41" extended reach arm for mics weighing up to 1 pound. LM1-3 is the same basic arm, but holds heavier mics weighing up to 3 pounds. Available in oyster or black color. LM2 is a 26" reach arm for mics weighing up to 2 pounds. Available in grey color only.
Mounting options include a clamp style (model A), a wall mount (model B), a desktop mount (model C), or a 12" aluminum extension pedestal. Specify black, grey, oyster or unpainted (riser only).

LM1, 2 or 3		BSW Price $69.95 ea.
Model A, B, or C		BSW Price $12.50 ea.
RISER	12" pedestal mount	BSW Price $24.95

OTARI

MX5050 SERIES - Broadcast Reel Recorders

The Otari MX5050 Series include the MX5050BIII two track and MX5050BQIII 4 track. Features: super 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; gapless seamless punch in/out (on BQIII) and more. Options: several remote control options and roll-around stand.

MX5050BIII	Mfr. List $4,452.00	Call For BSW Price
MX5050BQIII	Mfr. List $7,636.00	Call For BSW Price

MX50IIN - 2-Channel Reel Recorder

The Otari 2-track for facilities on a limited budget. Features: two speed DC-servo capstan motor; ±8% vari-speed; zero search plus one cue point search; 15/7.5 ips speed (7.5/3.75 ips available); cue monitor speaker; balanced XLR inputs and outputs.

MX50IIN	Mfr. List $3,233.00	Call For BSW Price

PRORAX
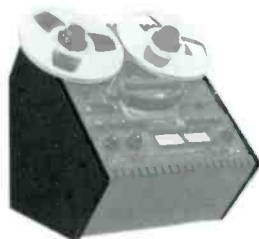
PO100 - Custom Side Panels

The PO100 is a set of attractive, rugged and economical panels that convert your Otari MX5050BII or BIII into a table top 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 color only.

PO100	BSW Price $99.00

For Reel Tape See page 65
For Recorder Stands See page 131
For Recorder Care Products See page 154

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 $3,149.00	Call For BSW Price

32 - 2-Channel Reel Recorder

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 $2,399.00	Call For BSW Price
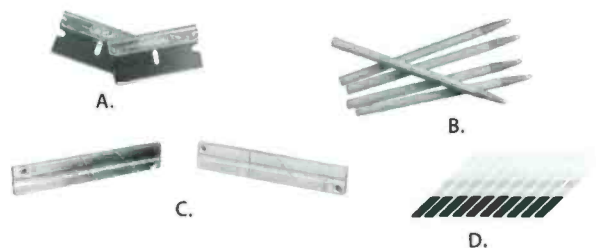
A. BSW GEM - Editing Blades
Single edge razor works with all splice blocks.

GEM	box of 100	BSW Price $9.00

B. BSW 164T - Edit Pencils
White china markers are perfect for marking. No sharpening required.

164T	box of 12	BSW Price $18.95

C. XEDIT S3/S3/90 - Splice Blocks
Precision blocks are hand machined and hand polished. S3 features two cutting angles (45° and 30°). S3/90 offers 45 and 90 degree cutting angles.

S3	BSW Price $57.00
S3/90	BSW Price $57.00

D. 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	BSW Price $49.00

BROADCAST TOOLS

DC-8A - Dial-Up DTMF Controller

This dial-up remote control allows the user to control their 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 to close for as long as the associated key is depressed, latching and interlocking mode; 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

PSC - Programmable Schedule Controller

Store and control up to 136 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 computer and off-the-shelf communication software; stable 60 Hz time base (three seconds per month or less); sync input for external clocks; 24 hour time format; password option; WAGO clamp style wire captive terminals.

PSC	Mfr. List $399.00	Call For BSW Price

SILENCE MONITOR - Loss Of Audio Monitor

The Silence Monitor is designed to monitor any stereo or monaural audio source for activity. Features: can monitor modulation monitors, AM/FM/TV tuners, etc.; can be configured to produce an alarm when either both channels fail or when each individual channel fails; the absence of audio will extinguish either or both of the "SIGNAL" LEDs and close both the unlatched and latched relays after a precise programmable time delay. The unlatched relay remains closed for the duration of the loss of audio, while the latched relay may be set to flash, or remain continuous; precise time delay is programmed via an 8-position dip switch in increments of 2 seconds. The optional RM-2 allows two units to be mounted in a 19" rack.

SILENCE MONITOR	Mfr. List $199.00	Call For BSW Price

BROADCAST TOOLS

SRC-8A - Remote Relay Control

The SRC-8A adds remote relay control to your DSP-6000 (or equivalent) digital STL or ISDN remote equipment. Applications include direct relay control for your dial-up remote control, a supplement to your dedicated remote control, relay control of satellite, transponder or remote audio switching as well as machine control and talent alerting for remotes. The standard system provides one-way control. The SRC-8B is available for bi-directional control and status. All SRCs utilize a high integrity data format for maximum reliability. The SRC-8A consists of both transmit and receive units. Each unit is mounted in an aluminum case with mounting holes allowing convenient mounting. The optional RM-2 rack mount may be purchased for mounting two units in a 19" rack. Power adaptors and serial cables are provided.

SRC8A	one-way control	Mfr. List $399.00	Call For BSW Price
SRC8B	bi-directional control	Mfr. List $499.00/pr	Call For BSW Price

BURK TECHNOLOGY

ARC16 - Remote Control

Now, you have a choice: Full-time studio control, dial-up telephone control—or both. Because of its modular design, the ARC16 offers features not before available in a 16-channel remote control system. With the studio controller you have a constant link to your transmitter, for instant response to any problem. The 32 character LCD display shows out-of-tolerance conditions at a glance, and it's simple to make adjustments, with clear-text prompting to guide you. The Enhanced Speech Interface (ESI) lets you take control using the telephone keypad from any Touch-Tone® phone. It can be used as the only control source, or in addition to the studio controller. It can be installed in the transmitter or the studio unit.

Features: clear text prompts (studio units); digitally-recorded human voice for dial up; built-in subcarrier generators; built-in alarms and multiple site control; AutoPilot computer software makes automatic operation of a studio/transmitter facility a dream come true. With modes defined by the user, the program will take corrective action when needed. AutoPilot can reduce down time and operator errors, while providing better records to show FCC compliance. AutoPilot runs on any PC (minimum 286) and is designed for use with the ARC-16 containing the computer interface option.

Price Based On Configuration

BURK TECHNOLOGY

TC8 - Remote Control

The TC8 is a full featured remote control system that requires only 1 3/4" of rack space and provides 8 analog metering channels, 8 status inputs and 16 control outputs (8 raise, 8 lower). Studio and transmitter units communicate via telco loops or STL/SCA subcarriers. Specify which you prefer at time of ordering. Status inputs accept 5 to 28 V signals and metering channels accept inputs of either polarity from 0.25 to 4 V, ensuring easy interface with all broadcast equipment. Status LED's and a large dot matrix metering display can be read from across the room. CRT display, logging and fully automatic operation is possible using the optional RS-232 interface.

TC8	Mfr. List $2,495.00	Call For BSW Price

CIRCUITWERKES

DR-10 - Remote Control

Control your equipment from anywhere there is a touch-tone phone with the DR-10. Features: password protected; control 10 relays that can be individually programmed as momentary, latching or interlocked; relays can be assigned to any tones; anti-falsing modes prevent accidental closures during remote broadcasts; relays can beep when activated; 4 logic inputs can activate a relay and/or call your pager; audio hybrid allows control while monitoring external audio; program with any DTMF telephone. Options: Silencer (for sending inaudible DTMF control signals); call progress (CPC).

DR10	Mfr. List $449.00	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 is also perfect for interfacing networks to your automation, controlling remote satellite receivers, repeaters, 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.

DTMF16	Mfr. List $195.00	Call For BSW Price
SILENCER	Mfr. List $149.00	Call For BSW Price

GENTNER

GSC3000 - Remote Site Control

The GSC3000 was developed to address the needs of broadcasters requiring extensive control capabilities, yet with its modular approach, it is designed 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 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**

VRC2000 - Remote Control

This system provides a total solution for controlling your broadcast transmitter where a telephone line, radio link, data link, or bi-directional audio link is available. The VRC2000 will notify you when something goes out of tolerance, when security is breached, or when corrective action is taken. Features: 16 single-ended analog metering channels; 16 TTL compatible status channels; 32 "open collector" transistor command outputs; can be used to automatically monitor conditions at a remote site, automatically log regular reports to a printer, take corrective action based on monitored conditions, and notify a human operator via telephone or radio links should an undesired condition occur. The VRC2000 has an outstanding list of options and accessories that make installation and operation easy and efficient.

Basic VRC2000	Mfr. List $2,995.00

BSW System Prices Based On Configuration

MOSELEY
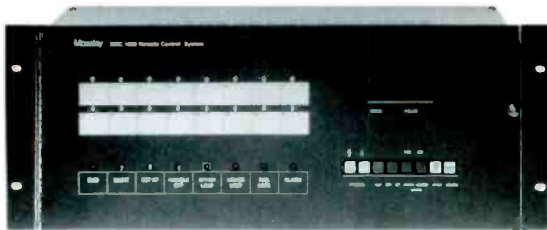
MRC1620 - Remote Control System

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).

MRC1620	remote terminal	Mfr. List $3,450.00
MRC1620CT	control terminal	Mfr. List $1,550.00
TASKMASTER20	software	Mfr. List $595.00

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

RFC1B - Remote Control

Control and monitor your transmitter from any telephone with the Sine Systems RFC1/B, the affordable fully-featured dial-up remote control. It speaks to you with a natural human voice! Its built-in alarm system phones up to six different telephone numbers to report out-of-tolerance conditions. It can automate transmitter power/pattern changes as well. The basic system consists of one RFC1/B and one RP-8, eight-channel relay panel. Add more RP-8's for additional channels.

Options: SP-8 heavy-duty surge protection system (Sine Systems will cover lightning damage under the one-year warranty with systems using the SP-8); RS-232 option lets your RFC1/B system print your readings with a serial printer. Multiple RFC1/B sites can log into the same printer; ACM-1 not only tells you if the lights are on or off, it can detect a change in average lighting current as small as 1%; AFS-1 audio fail safe detects the loss of program audio. It can monitor 2 audio channels with an adjustable delay time for relay closure.

RFC1B	remote control	Mfr. List $1,199.00
RP-8	relay panel	Mfr. List $399.00
SP-8	surge protector	Mfr. List $129.00
RS-232	printer port	Mfr. List $249.00
ACM-1	current meter	Mfr. List $99.00
AFS-1	audio fail safe	Mfr. List $249.00

Call For BSW Prices

DAI-1 - Dial-Up Audio Interface

The DAI-1 Dial-up Audio Interface provides an impressive array of control features. It combines an autocoupler, a dial-out alarm, two AGCs, a DTMF operated equipment controller and an audio switcher into one affordable device. It is commonly used as a tool for "walkaway" EBS compliance. Another popular application is to allow "dial-up" remote broadcasts when the studios are unmanned. Options include the DB-1 50 millisecond delay board that prevents DTMF tones getting on the air, the CI-1 Composite Insertion Module for use when discrete audio is not available and the DAI-RP rack mount kit.

| DAI-1 | Mfr. List $699.00 | Call For BSW Price |

TELTEK

INFORMERIITX - Temperature Sensor

InformerIITX interfaces with your remote control to report accurate temperatures from your transmitter with a range from 0 to 230 degrees F. Simply supply the unit with 8-80 VDC and it will provide 10mV of output per degree Fahrenheit to your remote control. Includes 18' cable and sensor.

INFORMERIITX   BSW Price $74.95

BELAR

FMMA1 WIZARD™ - Digital FM Modulation Analyzer

The Wizard is a microprocesso- controlled, digital modulation monitor/analyzer, available in FM and AM models that precisely measures 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
AMMA-1	AMWizard	Mfr. List	$3,300.00

Call For BSW Prices

FMM2

FMS2

AMM2B
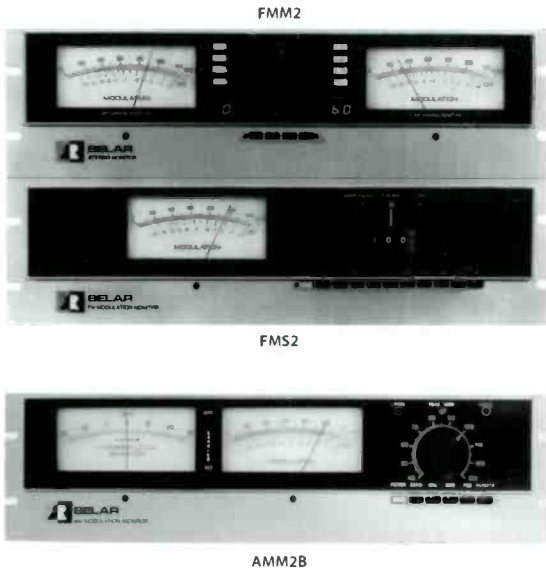
FM/AM SERIES - Modulation/Frequency Monitoring Products

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
AMM2B	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 Prices

DELTA

SM-1 - AM Splatter Monitor

Now you can use the same tool that the FCC uses to measure your stations compliance with NRSC and FCC regulations and requirements. It's inexpensive and easy to use and interpret.

SM-1		Mfr. List $4,175.00	Call For BSW Price
AWA1 active whip antenna		Mfr. List $725.00	Call For BSW Price
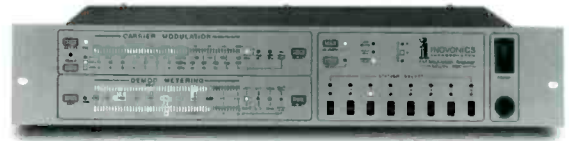
INOVONICS

530-00 - FM Modulation Analyzer

The Inovonics model 530-00 allows precise measurement of FM broadcast carrier modulation. Clear displays are given for total modulation as well as left/right program channel and pilot/subcarrier injection levels. The tunable laboratory grade FM receiver has 8 station presets so you can accurately monitor the competition. Additional features include alarms for insufficient signal strength or excessive multipath, three measurement ranges plus a peak flasher, a user definable output port for remote control and a front panel program monitor headphone jack.

|		
530-00	Mfr. List $2,200.00	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. ModMinder™ works with any stereo-capable demodulator or can be purchased with an internal demodulator.

|			
FMMM1	ModMinder	Mfr. List	$2,395.00
FMMM2	ModMinder W/Demodulator	Mfr. List	$3,090.00

Call For BSW Prices

QEI
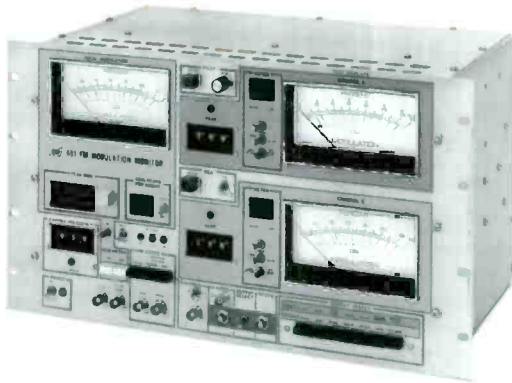
691/01 - FM Modulation Monitor/Test Set

The 691/01 is a highly technical, precision instrument employing a combination of test techniques in a versatile, but 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
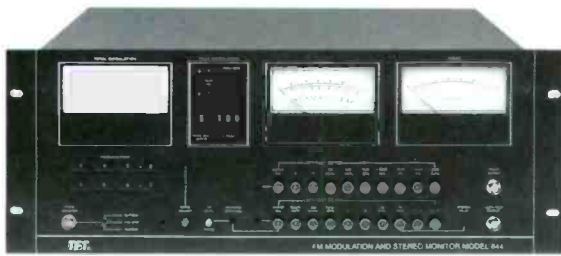
844A - FM/Stereo Modulation Monitor

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

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

CRL

SC100 - RDS Encoder

The SC100 generates RDS signals and (optionally) SCA signals through 100% digital subcarrier generation. The SC100 allows you to easily enter static data from its front panel to begin taking advantage of RDS right away. With the built-in RS232/Modem interface you can move on to dynamic data entry from your PC or laptop. The PC software is easy to understand, yet offers powerful operating features. Optional SCA generator with two expansion slots available.

SC100   Mfr. List $3,395.00   Call For BSW Price

INOVONICS

701 - RDS Encoder

With this extra-affordable RDS encoder, your station can be broadcasting the radio-data IDs, service "flags" and text messages which a new generation of radios will be seeking. Features: stand-alone operation does not require a dedicated host computer; messages held in non-volatile memory; easily programmed with any PC; supports the following RDS applications: Program Service Name, Program Identification, Program Type, Alternative Frequency List, 32-character Radiotext, Music/Speech Switch; locks to 19 kHz pilot from MPX sample – no special sync port required; menu-driven programming software included.

701   Mfr. List $390.00   Call For BSW Price

710 - RDS Encoder

The 710 is a very easy to use RDS encoder which requires neither a host computer nor user programming. As many as 15 separate "frames" or complete sets of IDs, flags and messages are held in the 710's nonvolatile memory. With a touch of a button or by remote command, you select the data frame(s) to be broadcast. All desired combinations of RDS data are stored in an easily-updated EPROM with supporting software supplied. Simply connect the 710 to an IBM-compatible PC for more advanced, dynamic operation.

710   Mfr. List $995.00   Call For BSW Price

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.

RDS1	Mfr. List $2,200.00	Call For BSW Price

INOVONICS

510-000 - RDS Decoder/Reader

The 510 connects to the output of any FM modulation monitor to verify your RDS signal. It accurately measures injection level and reads station, format and program IDs; radio text; alternate frequencies and traffic flags. Additional features include an internal "glossary" to locate groups of interest, an RS-232 port for external PC control and optional software for expanded features.

510-000	Mfr. List $1,950.00	Call For BSW Price

CIRCUITWERKES

TELERADIO - Remote Controlled Listen Line

Why settle for conventional taped air checks when you can have immediate air checks at your fingertips. 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 programming 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 auto hang-up feature allows for unattended operation.

TELERADIO	Mfr. List $689.95	Call For BSW Price

DENON

TU380RDS - AM/FM/RDS Tuner

This tuner features comprehensive RDS receiving and display facilities in an affordable package. RDS features include program service name (name of station being received), program type indication and search; radiotext message (up to 64 characters on a scrolling display); traffic program/traffic announcement identification and clock time. Additional performance features include high sensitivity; high S/N ratio; low distortion; wide/narrow IF Bandwidth selection (FM) as well as 40 station preset memory with custom character display for each preset.

TU380RDS	Mfr. List $325.00	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

TECHNICS

STK550R - AM/FM Tuner

BSW has combined a quality consumer hi-fi AM/FM tuner with our own custom rack hardware to bring you another fantastic value. The Technics ST-K550R features a total of 30 presets for FM and AM frequencies. Non-destructive memory allows presets to stay intact even when power is off.

STK550R	Mfr. List $199.00	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.

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.

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 RPT-2 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 $1,165.00
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 9001 - 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	digtal RPL system	Mfr. List $8,250.00	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

ANTENNACO
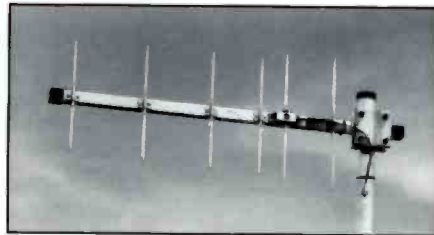
H SERIES - RPU Yagi Antenna

A heavy-duty yagi with a sealed feed and solid rod elements to with stand 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

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 100 watts.

CA7-460	Mfr. List $220.00	**Call For BSW Price**

MARTI
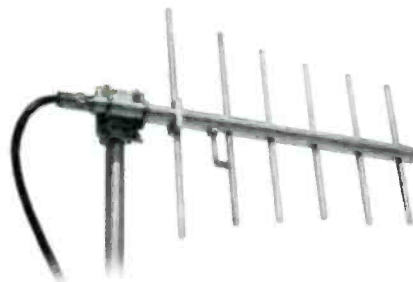
YC SERIES - Yagi Antenna

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 9 dB.

YC SERIES all models	Mfr. List $200.00	**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 vehicles 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 light weight 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 is free standing in its universal vehicle mounting stand so you can take it on remotes using whatever vehicle is available. Weighs only 20 lbs. with a nested height of 6 ft..

HURRY-UP	Mfr. List $1,510.00	**Call For BSW Price**

BROADCAST ELECTRONICS

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 utralinear 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

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; available for new narrow channels provision for automatic switching; two-year limited warranty.

STL15C/R15C	Composite Stereo System	Mfr. List $7,000.00

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 rejection of interference, superior noise specifications, lower channel crosstalk and redundancy than most composite systems, plus 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

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 one's imagination. This system utilizes a range of personality modules and daughter cards that are housed in a 3 RU 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 one 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 custom configure a system to your specifications.

Pricing Is Based On Configuration
Call For Complete Information

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 (see page 114) or PCL606 Series STLs. It provides a 90 dB SNR with only .01% distortion and can operate in existing channel allocations from 100 to 500 kHz, coexisting with established analog radios. Look at the advantages of having digital: Signal-to-noise ratio of 90 dB with .01% distortion, 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

Products Engineered For The Professional Broadcast Industry

TFT INC

A Complete Range Of Modulation Monitors/Analyzers

Whether it is AM, FM, or TV broadcast, TFT has a complete line of monitors/analyzers for each application.

The FM monitor line is designed to operate both off-air and from a direct connection to an FM transmitter. These units are frequency-agile and are capable of making proof-of-performance measurements. A unique peak modulation detection circuit eliminates false peak modulation indications, and a built-in modulation calibrator assures accuracy.

Our AM modulation monitor/analyzer not only has a high level RF input for AM and SW applications but can also be fitted
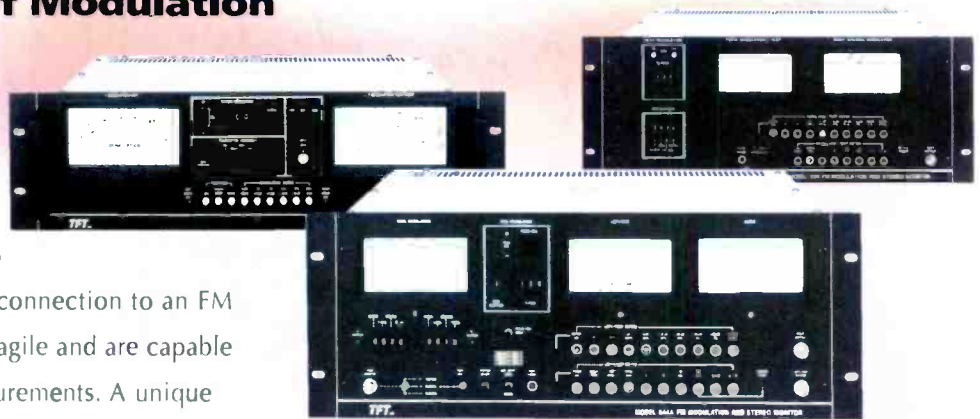
with an optional preselector for off-air AM monitoring.

Our NTSC television modulation monitor/analyzer is perfect for on-site or off-air aural modulation monitoring and proof-of-performance measurements.

Reliable Digital And Analog Studio-Transmitter-Links

As a leader in the high tech industry, TFT offers both spectrum-efficient digital STL systems as well as affordable analog systems. The digital system permits up to four 15kHz program channels and two auxiliary signals within a 300kHz RF bandwidth.

TFT is the only manufacturer of STLs with a true IF repeater option. Our patented IF modulation technique makes TFT STLs reliable and extremely low in distortion.

TFT INC

Sound Quality Since 1970

3090 Oakmead Village Drive
Santa Clara, CA 95051-0862

MOSELEY
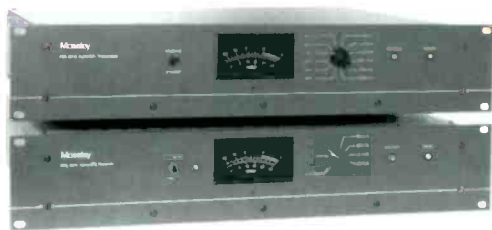
PCL6000 SERIES - Composite STL Systems

The PCL6010 transmitter and PCL6020, 6030 and 6060 receivers 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 PCL 6020 will offer superior performance. The PCL 6030 and PCL6060 are designed for hostile RF environments where adjacent channel rejection is required.

PCL6020 System	Mfr. List $8,250.00	Call For BSW Price
PCL6030 System	Mfr. List $9,250.00	Call For BSW Price
PCL6060 System	Mfr. List $9,950.00	Call For BSW Price

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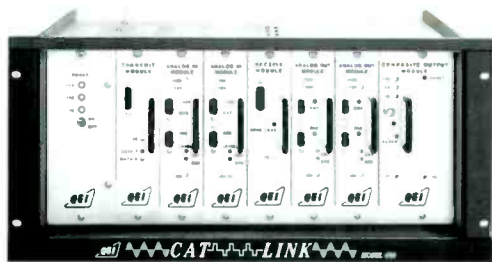
CAT-LINK - STL/TSL System

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 allowing the cleanest transfer from an analog receiver to an FM exciter available.

8910	Mfr. List $9,100.00	Call For BSW Price

TFT

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 sub coding for very short audio delay. Digital and analog I/O and multiple channel versions available.

System Prices From $6,150.00 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

9200/9205 - Mono STL System

This economical, frequency synthesized system is designed for single, redundant dual channel, or stereo program transmission. **Features:** field programmable frequencies; spectrum efficient operation; optional built-in subcarrier generator and demodulator; 0.2% THD; 75 dB SNR; 80 dB channel separation; built-in receiver switchover unit.

9200/9205 System	Mfr. List $3,570.00	Call For BSW Price

ANDREW

GRIDPAK - Grid Antennas

Andrew GRIDPAK and Mini GRIDPAK antennas are high-performance, low windload grids which reduce transportation costs 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 lightweight 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
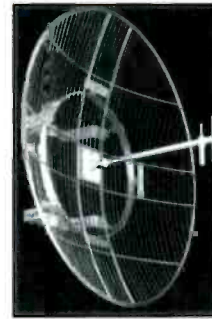
SC48 - Parabolic Antenna

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 $850.00	Call For BSW Price

SCALA
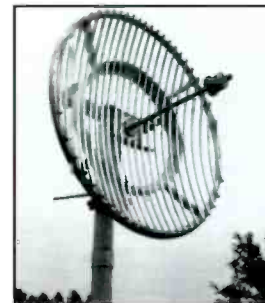
Grid Parabolic Antennas

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
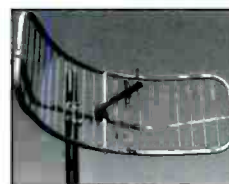
MF960
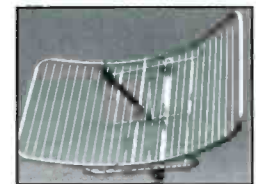
PR950

PR/MF SERIES - Paraflector® Antennas

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. For short hops where a full-sized grid or parabolic is not necessary, the MF960 Miniflector® fulfills your antenna needs.

PR950	Mfr. List $650.00	Call For BSW Price
MF960	Mfr. List $350.00	Call For BSW Price
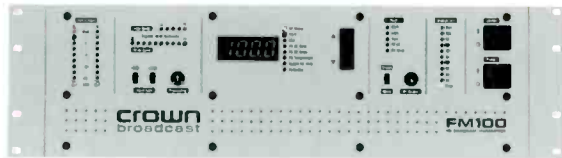
CROWN

FM SERIES - Integrated FM Transmitter Systems

Crown integrated FM transmitter systems combine built-in audio processing and stereo generator in one rugged, compact unit. Each model provides excellent signal quality, ease of use, and economical long-term reliability. The highly efficient 2 kW transmitter is broadband and 75 to 80% efficient across the band. It features hot swappable 500 watt power modules, a responsive protection mode and a power factor corrected power supply. All Crown units now feature a 3-year warranty.

FM30T	30 watt transmitter	Mfr. List	$3,995.00
FM100T	100 watt transmitter	Mfr. List	$5,995.00
FM250T	250 watt transmitter	Mfr. List	$7,295.00
FM500T	500 watt transmitter	Mfr. List	$9,495.00
FM2000T	2kW transmitter	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 $3,995.00	Call For BSW Price

QEI

QUANTUM - 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.

Pricing Based On Configuration

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 watts 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.

Call For BSW Pricing

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. QEI's 675B exciter is supplied with the FMQ Series transmitters standard and optionally with the model 695 exciter.
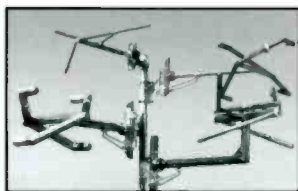
Call For BSW Pricing

DIELECTRIC

FM Antennas

With manufacturing experience of over 45 years, first exclusively with RCA and then direct, Dielectric continues to be in the forefront in providing high quality broadcast antennas worldwide with competitive pricing.

**Call BSW For Prices And Specifications**

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 balun fed balanced sidemount. 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

ALTRONIC RESEARCH INC.
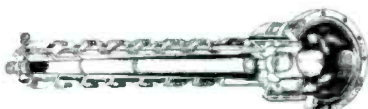
RF Coaxial Load Resistors

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
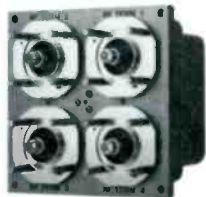
Coaxial Transfer Switches

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 then two seconds with manual or remote operation.

Call BSW For More Information

DIELECTRIC

RF Products

Dielectric manufactures a number of high quality RF related products including dehydrators, switches, loads, isocouplers, antennas and more.

Call BSW For More Information

ELECTRO IMPULSE

RF Coaxial Loads

Electro Impulse is a leading supplier of specialized equipment for the communications and broadcast industries such as dry, forced air cooled loads, termination type power meters and attenuators.

Prices Based On Configuration

KINTRONIC LABORATORIES
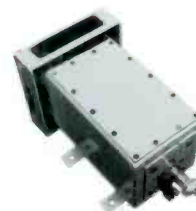
Isocouplers

Kintronic Laboratories' Isocouplers provide versatility to existing AM radiating elements by allowing for installation of transmit/receive, FM/TV antennas operating in the frequency range of 30-1000 mHz without disrupting AM antenna characteristics.

Pricing Based On Configuration

MODULATION SCIENCES

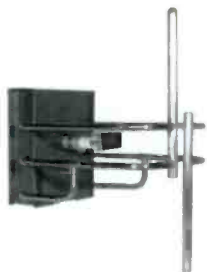### CLD2504 - Composite Distribution Amplifier

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 multi-frequency; filters; combiners, balanced or branched; coax components; new B-LINE transmission line and compressor dehydrators.

Call BSW For Prices And Specifications

TWR

Lighting Equipment

BSW sells a variety of tower lighting products including light fixtures, controllers, flashers and replacement bulbs.

Call For BSW Pricing And Configurations

A BSW technician prepares a custom cable from in-stock components at our Tacoma facilities.

BSW stocks Andrew HELIAX® 1/2" diameter cable, perfect for those times when you need transmission lines and can't wait. We carry a wide selection of Andrew products and our factory-trained technical staff can custom install Andrew connectors to your specifications.

We also stock Belden 9913 (an RG8-type) cable and a good selection of connectors.

BSW offers competitive pricing and does custom work. Try us with your next project or emergency.

Call BSW With Your Requirements

ANDREW
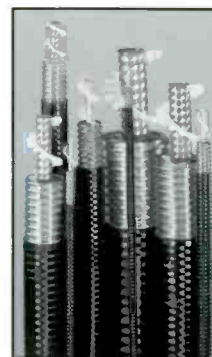
The Andrew Corporation, the world leader in the design and manufacture of communications equipment and systems, is well known in the radio broadcast community for supplying high quality transmission cable and related accessories. BSW is proud to represent a complete line of products for all your transmission 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. Custom connecter installation available.

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**

DIELECTRIC

Dielectric is the worlds largest manufacturer of rigid coaxial transmission line. They have been supplying transmission line to communications professionals since the early 1940's. Many of Dielectric's early systems are still in operation after years of use and exposure to the elements.

Call BSW For Information And Specifications

BROADCAST TOOLS
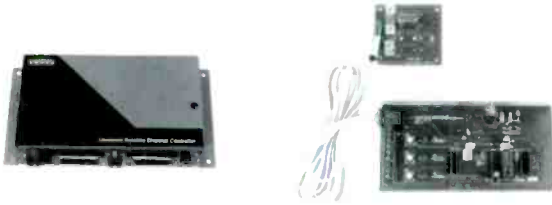
USC-16/XP-3 - Satellite Channel/Transponder Controllers

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 sixteen memory selections for Scientific Atlanta ENCORE, DSR-3610, or AD-4595 receivers. 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 is equipped with a wire captive terminal strip providing remote control and status, along with local switches for transponder selection.

USC16	channel selector	Mfr. List $349.00	Call For BSW Price
XP3	transponder controller	Mfr. List $299.00	Call For BSW Price

CIRCUITWERKES

DS-8/SUB-03 - DTMF/Subaudible Tone Decoders

The DS-8 is a DTMF sequence decoder providing dry closures for 8 different tone sequences. Can decode four 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.

Sub-03 is a subaudible tone decoder for industry standard 25 Hz and/or 35 Hz tones providing dry relay contacts. Features include presence and clipping LEDs; input gain adjustment; variable balanced output; integral output filtering.

See page 96 for DTMF-16 DTMF controller.

DS8	DTMF decoder	Mfr. List $299.00	Call For BSW Price
SUB03	25 Hz/35 Hz tone decoder	Mfr. List $329.00	Call For BSW Price

ZEPHYRUS

700 SERIES/300 SERIES - Satellite Receivers

The Zephyrus 700 Series single or dual channel SCPC receivers offer outstanding performance and features at an affordable price. Zephyrus also manufactures a full line of electronics to receive and process baseband signals, audio and "sub-audible" tones transmitted by networks to their affiliates. The 300 Series provides a modular approach that allows you to purchase only the equipment needed for a particular application.

Call For Complete Information And Pricing

ALESIS

MONITOR ONE/MONITOR TWO/POINT SEVEN
- Studio Reference Monitors

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 extended beyond that of 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.

MONITOR ONE	Mfr. List $399.00/pair	Call For BSW Price
MONITOR TWO	Mfr. List $699.00/pair	Call For BSW Price
POINTSEVEN	Mfr. List $299.00/pair	Call For BSW Price

Available In North America Only

AUDIX

PH5II   PH15

PH5II/PH15 - Powered Monitor Speakers

Audix has combined great sound quality and very competitive pricing in these compact powered monitor speaker sets. The PH-5II features a 5 1/4" woofer and 3/4" tweeter driven by a 40-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 PH-15 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 40-watt-per-channel amp. High quality crossovers ensure superb definition and clarity. PH-15s provide a great sounding, inexpensive and space-saving solution for monitoring in small production or control rooms. Amp inputs are balanced (floating ground) via RCA connectors. 1/4" speaker connection cable is supplied. Both models are available in shielded or non-shielded versions.

PH5II	Mfr. List $289.00/pair	Call For BSW Price
PH15	Mfr. List $449.00/pair	Call For BSW Price

ELECTRO-VOICE

S-40B

S-60B   S-80A

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 and S-80 from Electro-Voice are compact, two-way constant directivity speaker systems designed for sound reinforcement and monitoring. Their small size, high sensitivity and high power-handling capability make them excellent all-purpose speakers. The S-60 features a 6" woofer and a 1 1/4" tweeter with a dispersion-controlling beveled opening. The S-80 utilizes the same high frequency system with an 8" woofer and ported enclosure for extended bass. Both models feature automatic resetting tweeter protection and flexible mounting options.

S40B		Mfr. List $317.00/pair
S60B	6" woofer	Mfr. List $237.00 ea.
S80A	8" woofer	Mfr. List $284.00 ea.

Call For BSW Prices

SX100/SX300/SX500 - Loudspeakers

The SX300 is a two-way, high efficiency portable speaker system with a 12" low frequency driver and a molded-in constant-directivity horn with 300 watt long term power handling capability. It is 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 SX100 is a lower output, lighter weight version of the SX300. Both the SX200 and SX100 are available in black or white.

The SX500 offers a 15" woofer and 400 watts of power.

SX100	200 watt speaker	Mfr. List	$577.00 ea.
SX300	300 watt speaker	Mfr. List	$798.00 ea.
SX300a	300 watt speaker	Mfr. List	$1,350.00 ea.
SX500	400 watt speaker	Mfr. List	$832.00 ea.
SB121	12" 300 watt bass module	Mfr. List	$598.00 ea.

Call For BSW Prices

ELECTRO-VOICE

SENTRY 100A - Monitor Speakers

Just because your monitor space is limited, 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.

SENTRY 100A	Mfr. List $459.00 ea.	Call For BSW Price
SENTRY 100EL	Mfr. List $909.00 ea.	Call For BSW Price

EVENT
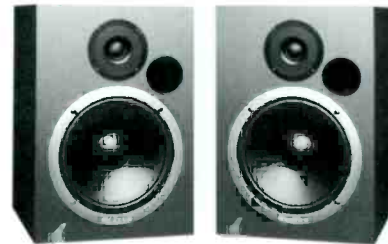
20/20 - Monitor Speakers

Your search for very accurate studio monitors doesn't have to end in spending a fortune, at least not with the 20/20. Designed by industry veterans Frank Kelly and Walter Dick, the 20/20, 20/20p and 20/20bas speaker systems offer very 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 is very reliable and 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). Therefore, 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 $599.00/pair
20/20BAS	biamplified speakers	Mfr. List $999.00/pair

Call For BSW Prices

The Event Speaker Family

Active Monitoring

In just a very short time the **20/20bas Biamplified System** has become the reference monitor of choice for recording professionals worldwide. 200 watts of ultra clean biamped power per side. An active 4th order crossover. Superb imaging. Truly accurate frequency response. No wonder the **20/20bas** won the coveted Electronic Musician's 1997 Editor's Choice Award.

Accurate Monitoring

Building on the technology of the 20/20bas, Event engineers Frank Kelly and Walter Dick created the **Tria Triamplified Workstation Monitoring System**, an integrated three-piece active system for the digital audio workstation environment. It starts with a floor-loaded 8" mineral-filled polypropylene cone VLF (Very Low Frequency) driver housed in a station that is also home to five separate power amplifiers. The two satellite speakers are biamped; each has a 5-1/4" polypropylene cone driver and a 1" silk dome neodymium high frequency driver. Tria delivers precise, full-bandwidth audio performance at an unparalleled price. You simply must hear **Tria** to believe it.

Affordable Monitoring

The **20/20p** direct field monitor provides an affordable pathway into the world of powered speakers. Utilizing the proven 20/20 design, the system comprises a standard **20/20** cabinet and a master **20/20p** cabinet loaded with two full-range 100 watt power amplifiers—one of the amps drives the powered cabinet, the other drives the passive **20/20** satellite. The resulting sonic clarity is exactly what you would expect from a system bearing the **20/20** name: extended low frequency response, exceptionally clear midrange, and precisely detailed high end.

Don't need powered monitors? Our passive **20/20** system features the same transducer components and cabinetry as our powered versions. The result is an economical speaker that offers consistent, smooth, extended-range frequency response, and high frequency detail that's both accurate and pleasing.

All Shielded Monitoring

20/20bas™
Biamplified System

Tria™
Triamplified Workstation Monitor System

20/20p™
Powered Monitor System

EVENT
ELECTRONICS

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e-mail: info@event1.com
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EVENT

TRIA - Powered Monitor Speakers

This monitoring system perfectly complements any digital audio worksta-tion 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, 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 $849.00	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 (pictured) is an optional dual rack kit from Middle Atlantic that fits two 6301s horizontally in three rack spaces.

6301BEAV	balanced, shielded	Mfr. List	$239.00/ea.
6301BDUALRAC	dual rack kit	Mfr. List	$98.00

Call For BSW Prices

PS-3 - Monitor Speakers

This self-contained system consists of one 5-1/4" ported bass reflex subwoofer and two 2-way shielded satellite speakers, each with a 3" midrange driver, 1" balanced dome tweeter and protective metal grilles. The subwoofer contains its own 15 watt power amplifier, a crossover network and two 5 watt power amplifiers for the satellite speakers. Small size allows for easy placement or mounting in any studio.

PS3	Mfr. List $349.00	Call For BSW Price

GENELEC

1029A - Monitor Speakers

Perfect for near-field monitoring, 1029A monitors 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 any-where. Left and right monitors have 5" bass drivers and 3/4" treble drivers. The optional 1091A subwoofer adds more complete low frequency informa-tion. **Features:** magnetically shielded; reference-quality frequency response (down to 55 Hz for the satellite speakers, down to 38 Hz for the subwoofer); bass roll-off controls; independent 40 watt amplification for the bass and treble; small footprint; XLR and 1/4" input jacks.

1029A	Mfr. List $1,070.00/pair	Call For BSW Price
1091A subwoofer	Mfr. List $680.00	Call For BSW Price

HAFLER

TRM8 - Monitor Speakers

The biamplified TRM8 monitors are designed with a dedicated low frequency amplifier that delivers 150 watts to an 8" die-cast transducer. A separate 75 watt amplifier handles the high-frequency transducer. These core components are designed to ensure the very finest in sound quality. The patented Trans•nova™ amplifier circuitry is a three-stage design that dramatically shortens the signal path through the amplifier resulting in a colorless translation of your projects. **Features:** electronically and acousti-cally matched; time-aligned drivers; soft 1" silk-dome hemispherical tweeter for smooth, coherent on-axis frequency response; 8" polypropylene cone offering a wide dynamic range capable of flat, honest response at virtually all listening levels; frequency response 45 Hz to 21,000 Hz; rear-firing porting system reduces turbulence by providing a radiused path for improved airflow while firing away from the listening position; low resonance cabinet; magnetically shielded; calibrated to factory standards to ensure each per-forms exactly the same; 35 lbs. each.

TRM8	Mfr. List $2,400.00/pair	Call For BSW Price

JBL Studio Monitors
The Sound of Yesteryear, Next Year and Every Year in Between.

Starting back in 1936, when James B. Lansing won an Academy Award for Technical Excellence, JBL has earned a legendary reputation for quality, reliability and innovation.

The pioneering work done in the theater industry was extended to the professional sound community in general. In the early 1960s, through an arrangement with Capitol Records, JBL developed the 4320 and quickly became a force in monitoring systems for recording studios. Today, more studio monitors sold worldwide come from JBL, than any other audio manufacturer.

No other manufacturer offers as wide a range of solutions for the demands of modern audio. That's why, from the smallest rooms to the largest, most exotic installations in the world, JBL remains... the speaker of the house.

Continuing the tradition of innovation, JBL Professional is proud to introduce the LSR32 Linear Spatial Reference Studio Monitor. The LSR32 combines JBL's latest in transducer and system technology with recent breakthroughs in psychoacoustic research to provide a more accurate studio reference.

The Linear Spatial Reference (LSR) philosophy is based on a set of design goals that carefully control the overall performance of the system in a variety of acoustic spaces. By incorporating LSR into the system design requirements, the workspace placement rules where the engineer, producer and artist make critical mixing decisions are relaxed, a more stable image is maintained and off-axis coloration is minimized.

LSR is the underlying design philosophy that explains why speakers that measure the same, sound different. By going beyond simple on-axis frequency measurement, LSR techniques define the ultimate performance specifications of our monitoring technology—what it will sound like in your room.

LSR uses a technique of measuring a monitor over a sphere that encompasses all energy radiated into the listening room in every direction. LSR techniques expose flaws in systems such as resonances, poor dispersion and other off-axis colorations.
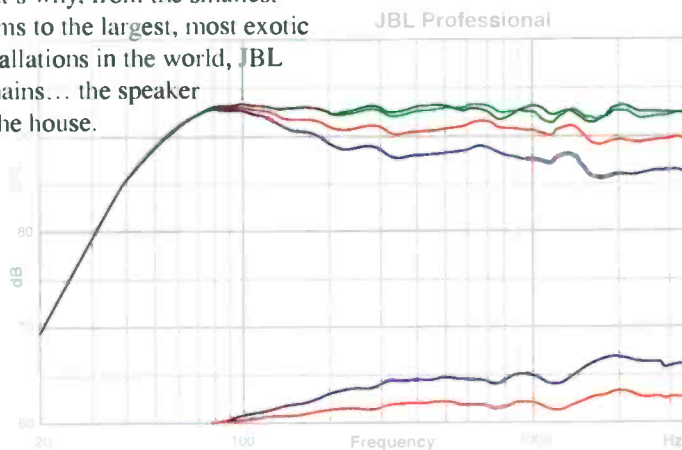
JBL Professional

JBL

4206/4208/6208 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. The 6208 is a powered version of the 4208 with a biamplification system specifically designed for its speaker components and acoustic characteristics.

4206	unpowered, 6" woofer	Mfr. List $388.00/pair
4208	unpowered, 8"	Mfr. List $510.00/pair
6208	powered, 8"	Mfr. List $474.00/ea.

Call For BSW Prices

4400A SERIES - Monitor Speakers

JBL's 4400A Series studio monitors have become one of the most frequently asked-for speakers in the broadcast industry. Now JBL has improved on their solid design and introduced the 4400A Series. Included in the new Series are the 4408A (8", 2-way), 4410 (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 new 4400As a new look with matte grey laminate finish and charcoal grille cloth.

4408A	(specify left or right)	Mfr. List $337.00 ea.
4410A	(specify left or right)	Mfr. List $467.00 ea.
4412A	(specify left or right)	Mfr. List $701.00 ea.

Call For BSW Prices

JBL

LSR32 - Monitor Speakers

The LSR32 Linear Spatial Reference Studio Monitor combines JBL's latest in transducer and system technology with recent breakthroughs in psychoacoustic research to provide a more accurate studio reference. LSR uses a technique of measuring a monitor over a sphere that encompasses all energy radiated into the listening room in every direction. This data reflects 1296 times the information of a single on-axis frequency response curve and allows for the optimization of the entire sound field heard by the listener. Designed for today's modern production environment, the 3-way monitor features a 12" woofer, 2" midrange and 1" tweeter. The impedance compensated crossover filters are optimized to yield 4th-order (24 dB/octave) electroacoustic response from each transducer (in phase, -6 dB at crossover). In order to achieve optimal symmetrical response in the vertical plane, both magnitude and phase compensation are implemented in the crossover network. Features: Differential Drive® technology with dynamic braking for extended low frequency response and low power compression; neodymium midrange with 2" coil and Kevlar cone material for extended frequency response and low distortion; 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; linear dynamics aperture port design to eliminate port noise and reduce port compression; 47 lbs. each.

LSR32	Mfr. List $999.00 ea.	**Call For BSW Price**
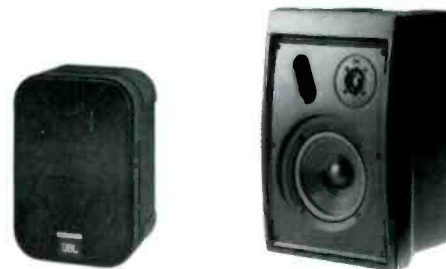
CONTROL 1   CONTROL 5

CONTROL SERIES - Monitor Speakers

These speakers not only sound great, they combine rugged construction with a wide variety of mounting options for maximum flexibility. The 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. The Control 5 monitor features a 6 1/2" woofer and larger cabinet for extended bass response.

CONTROL 1	Mfr. List $302.00/pair
CONTROL 5	Mfr. List $518.00/pair

Call For BSW Prices

RAMSA

WSA SERIES - Loudspeakers

Ramsa loudspeakers are tough, compact, and sound great. Use them as portable monitors, for remotes, or in clubs. The WSA200 features a 12" woofer and a quality compression driver mounted to a constant directivity twin Bessel horn. WSA80 utilizes an 8" woofer and 1" soft-dome transducer.

WSA200	12 inch 2-way	Mfr. List $775.00 ea.
WSA80	8 inch 2-way	Mfr. List $360.00 ea.

Call For BSW Prices

TANNOY

PBM6.5II

SBM

PBM6.5II/SBM - Monitor Speakers

The PBM6.5II two-way design with 6.5" woofer features a hardwired, hand selected minimalist crossover network providing uncompromising detail, precise spectral resolution and flat frequency response. The fully radiused, rear ported cabinet design reduces resonance and diffraction (while providing deep extended low frequency).

The SBM utilizes a 6.5" injection-molded low frequency driver and a robust 3/4" fluid cooled material dome tweeter. Designed specifically for smaller studios, the SBM delivers linear extended low frequency down to 45 Hz, smooth and extended high frequency and the well-controlled, detailed midrange that Tannoy is famous for.

PBM 6.5II	Mfr. List $475.00/pair	Call For BSW Price
SBM	Mfr. List $295.00/pair	Call For BSW Price

SYSTEM 600/800 - Monitor Speakers

Both System 600 and System 800 possess high sensitivity (+90 dB) and power handling (150+ watts) to achieve high sound pressure levels at the mix position. Coupled with the phase coherent, point source Dual Concentric drive units is an innovative, low profile landscape cabinet design that provides better line of sight over the console, improves overall tonal balance and results in deeper bass extension for both models.

SYSTEM 600	Mfr. List $695.00/pair	Call For BSW Price
SYSTEM 800	Mfr. List $995.00/pair	Call For BSW Price

WOHLER

AMP SERIES/VM2 - 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" (1' to 3') working environment. The AMP-1 series provides self-powered, full fidelity stereo monitoring in a single rack space. Its larger brother the AMP-2 offers wider frequency response from a 2RU enclosure. There's also the economical VM-2 for confidence monitoring in a single rack space. A number of optional features include visual level and phase monitoring, several input configurations, headphone output and 12V dc operation.

Price Based On Configuration

YAMAHA

NS10MS - Monitor Speakers

The Yamaha 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

MS60S - Powered Monitor Speakers

This powered speaker system is perfect for remotes. Ultra-compact, powered speakers only weigh 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

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 pound to 255 pounds. 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 $49.95 ea.	Call For BSW Price

A.

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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 $100.00	Call For BSW Price

B. QUIKLOK BS/315 - Adjustable Monitor Stand

Sturdy steel variable height monitor support extends from 31.5" up to 49.25". Base size is 15.75" x 15", shelf size is 9.73" x 19.75".

BS/315	Mfr. List $139.95/pair	Call For BSW Price

C. QUIKLOK S180/S-6/S-9 - Speaker Tripods

The S180 speaker tripod is a lightweight, yet sturdy aluminum stand for safe support of speakers up to 200 lbs. Extends from 3' 7" to 6' 6". All-metal leg assembly increases durability. The S-6 (6'2") and S-9 (9'8") are extra durable with heavy-duty aluminum alloy connectors and joints, non-strip-out height adjustment system, steel safety pin and reversible top-tube that fits either 1-1/2" or 1-3/8" speaker mounts. Available in silver or matte black.

S180	Mfr. List $109.00	Call For BSW Price
S-6	Mfr. List $129.00	Call For BSW Price
S-9	Mfr. List $149.00	Call For BSW Price

D. ULTIMATE SUPPORT TS30BT/TS33BT - Speaker Tripods

Sturdy, lightweight aluminum stands can support speakers up to 100 lbs. The TS-30BT adjusts in height from 3' 8" to 6' 7"; the TS-33BT adjusts in height from 5' 2" to 9' 2"; and the TS-33ABT features an articulating (extendable) leg that allows 2 of the legs to sit on a raised surface such as a stage stair, while the extended leg reaches to the floor to hold speaker level and secure.

TS30BT	adjusts to maximum of 6' 7"	Mfr. List $153.00
TS33BT	adjusts to maximum of 9' 2"	Mfr. List $183.00
TS33ABT	TS33 w/articulating leg	Mfr. List $218.00

Call For BSW Prices

ARRAKIS

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, right	Mfr. List	$995.00
DS42SLP 42"	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	$895.00

Call For BSW Prices
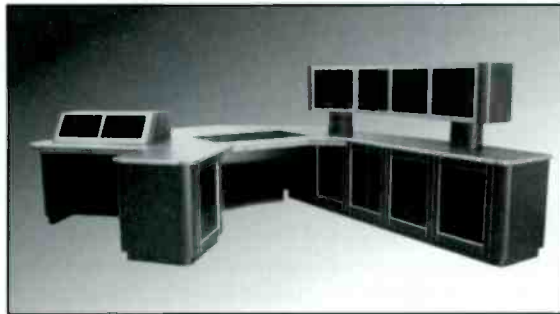
RADIUS LINE - Studio Furniture

The 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, combine with designer styling to create a uniquely beautiful and yet ergonomic studio. The heavy aluminum post and panel construction assures much tighter tolerance manufacture than custom wood cabinets while providing greater strength. Metal edging for the racks eliminates laminate splitting. Rugged, durable, easily customized and uniquely attractive—RADIUS is ideal for your next showcase studio.

Call BSW For Pricing And Configuration

MURPHY FURNITURE
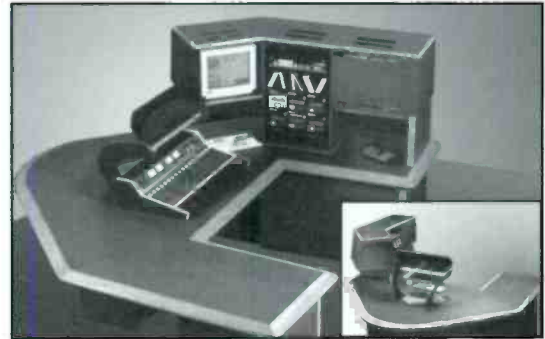
Whether you choose the economy priced Classic Series, the contemporary Stealth Series, or one of several other stylish designs, you can be assured of getting the finest quality furniture that offers both beauty and functionality. Standard features on all Murphy Furniture include oak trim on all exposed 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 2-4 weeks depending on customization required. This furniture will be shipped RTA (Ready To Assemble) via van line carriers. Customization of any system component is available.

Call BSW For Pricing And Configuration

NIGEL B.

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 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. Desk tops are high quality laminates with rolled edges for comfort and safety.

Forget about waiting weeks for your furniture, with Nigel B. most items are in stock and will ship within 48 hours of 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, mic 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 Today For Nigel B's Full-Line Catalog

ATLAS/SOUNDOLIER
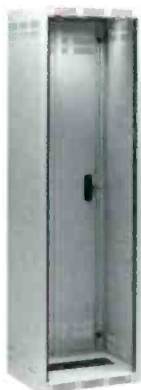
100 SERIES - Equipment Racks

100 Series rack cabinets from 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. All necessary hardware is furnished and these racks are strong and durable. Frames are available in two sizes.

| 900-19P | 19" high | Mfr. List $214.00 | Call For BSW Price |
| 900-28P | 28" high | Mfr. List $237.00 | Call For BSW Price |

MAFCO

RR-10 ROCKN'ROLLER - Hand Truck/Dolly

The RR-10 Rock N' Roller® Supercart combines the space-saving advantages of a lightweight, foldable, luggage cart with the big load capacity of an industrial size 4-wheel dolly that can hold up to 500 pounds of equipment. In the upright position Rock N' Roller is a heavy duty handtruck with long forks. Laying down it's a 4-wheel cart that expands in length from 34" to 52" long.

| RR10 | Mfr. List $195.95 | Call For BSW Price |

MIDDLE ATLANTIC

Slim 5

Equipment Racks

AX-S System

From the low cost ERK Series, to the hefty MRK and WRK Series, to the flexible Slim 5 Series, Middle Atlantic has an equipment rack to meet every application. High 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.

Pricing Based On Configuration

RK Series   SRK

RK SERIES/SRK - Equipment Racks

These high-quality, inexpensive equipment racks ship flat for easy storage and assemble quickly with the included allen key. Decorative screw caps snap on. Constructed of 5/8" thick, high-density particle board, covered with black laminate. 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.

RK4	7" (4 space)	Mfr. List $102.00
RK8	14" (8 space)	Mfr. List $126.00
RK12	21" (12 space)	Mfr. List $133.00
RK16	28" (16 space)	Mfr. List $144.00
RK20	35" (20 space)	Mfr. List $160.00
SRK	28" (16 space)/ 21" (12 space)	Mfr. List $311.00

Call For BSW Prices

MIDDLE ATLANTIC

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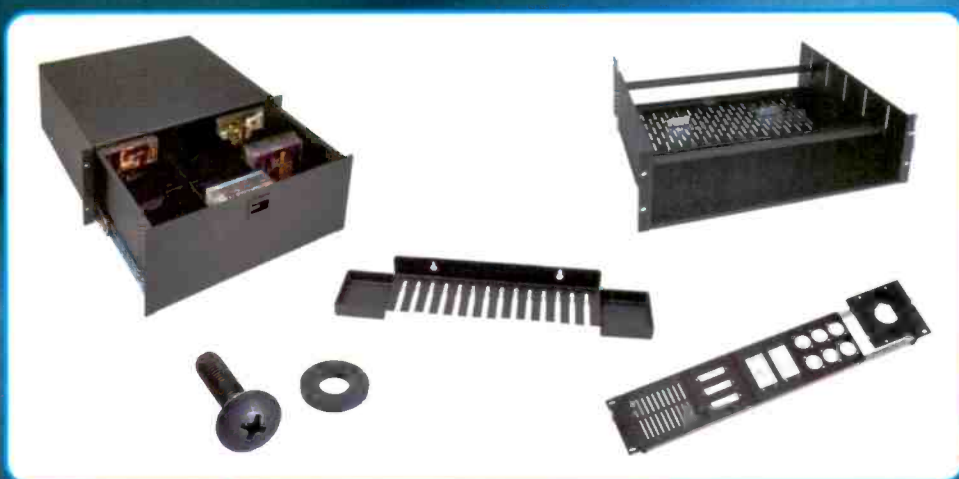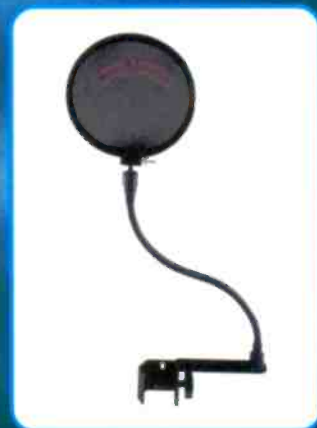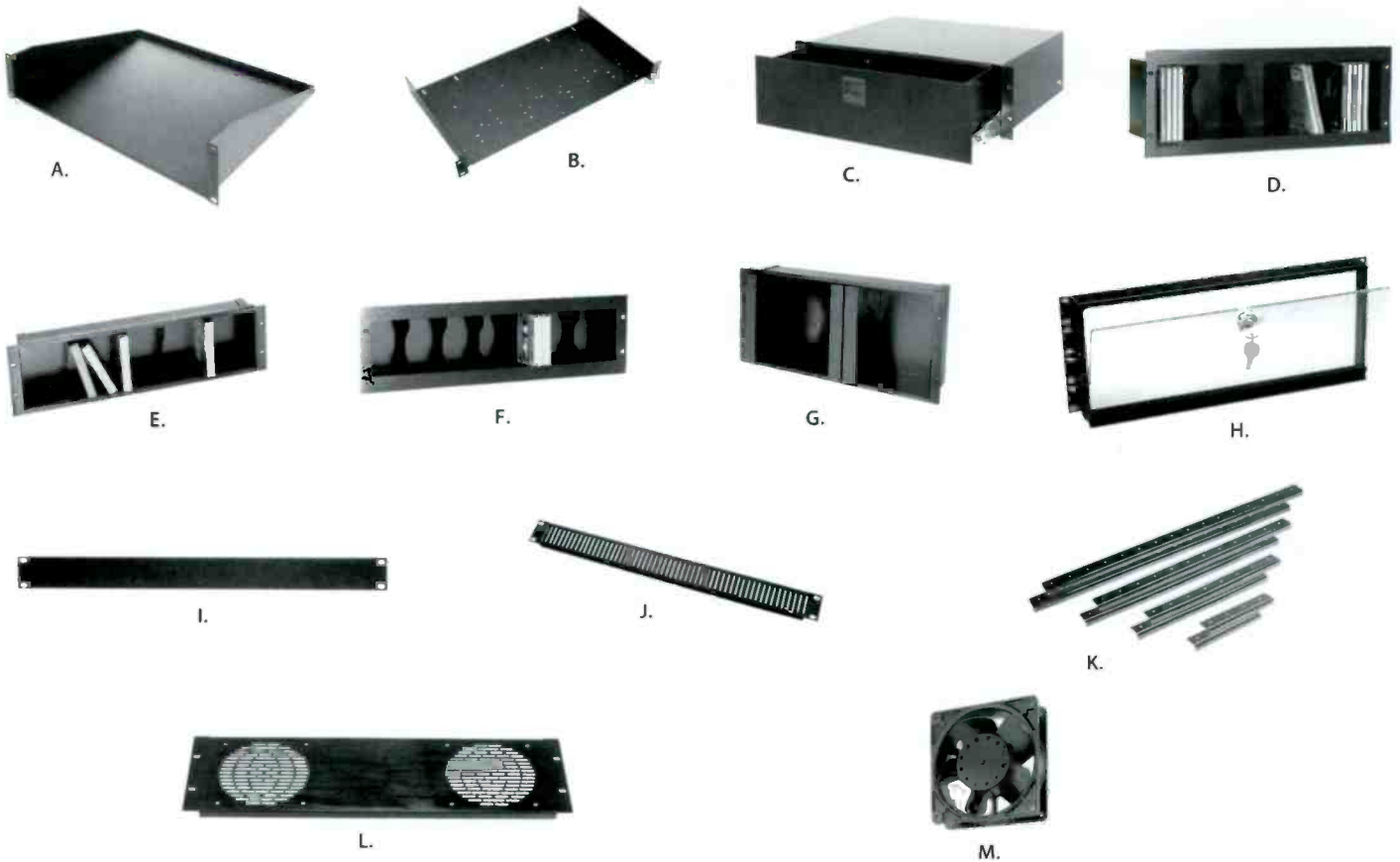
A. U2 - Rack Shelf

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 $162.00	Call For BSW Price

D. CD - Rack Storage

7" high (4 space) unit holds 40 CDs. Brushed, black anodized finish.

CD	Mfr. List $82.50	Call For BSW Price

E. CS - Rack Storage

5 1/4" (3 space unit) holds 33 cassettes. Brushed, black anodized finish.

CS	Mfr. List $79.00	Call For BSW Price

F. DAT - Rack Storage

5 1/4" (3 space unit) holds 27 DATs. Brushed, black anodized finish.

DAT	Mfr. List $79.00	Call For BSW Price

G. VHS - Rack Storage

8 3/4" (5 space unit) holds 14 VHS tapes. Brushed, black anodized finish.

VHS	Mfr. List $35.50	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.

SECL-4	Mfr. List $63.00	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 Size   Call For BSW Price

J. EVT - Vent Panels

Flanged steel vent panels with black finish.

EVT-1	Mfr. List $10.00	Call For BSW Price
EVT-2	Mfr. List $13.00	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. Three rack spaces high and are finished in textured black powdercoat (FP models) or black anodized finished (TFP models).

FP1	space for 1 fan	Mfr. List $38.00
FP2	space for 2 fans	Mfr. List $40.00
FP3	space for 3 fans	Mfr. List $43.00
TFP1	space for 1 fan	Mfr. List $31.00
TFP2	space for 2 fans	Mfr. List $33.00
TFP3	space for 3 fans	Mfr. List $35.00

Call For BSW Prices

M. 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.

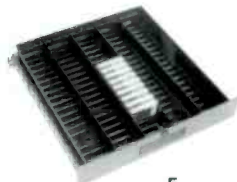|		
FAN	Mfr. List 53.00	Call For BSW Price

NIGEL B.

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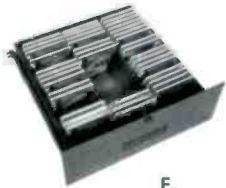
E.

F.

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	Mfr. List $459.95	Call For BSW Price

C. 1015-STD - Mobile Rack Stands

Roll-around rack stand with adjustable top section. The 1015-STD features 10RU on the top frame with 15RU below.

1015-STD	Mfr. List $479.95	Call For BSW Price

D. PRO-TBL - Project Table

An adjustable height, adjustable angle project table with black Wilson Art laminate top. Perfect for medium sized (16-24 channel mixers).

PROTBL	Mfr. List $599.95	Call For BSW Price

E. 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

F. 2DATD - DAT Drawer

18" deep, this rack drawer features ball bearing sliders and holds 92 DAT tapes in separate slots. Optional key lock.

2DATD	Mfr. List $179.95	Call For BSW Price

OMNIRAX

PROSTATION M/C - Studio Workstation

Perfect for digital oriented production rooms and studios, the ProStation M/C™ provides an ergonomic work space that doesn't cost a fortune. The table top is plenty deep enough to hold your mixing console with enough clearance under the overbridge for the meter bridge. Two bays on top have 4 rack spaces for processing or recorders. Two lower bays are over 28" deep and one has 12 rack spaces, the other offers 6 plus a sliding computer shelf. Video monitor sits at the correct height for viewing.

PROSTATION M/C	Mfr. List $749.95	Call For BSW Price

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 patch bays or outboard effects. Above there 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.

MIXSTATION/O2R	Mfr. List $1,199.95	Call For BSW Price

QUIK LOK
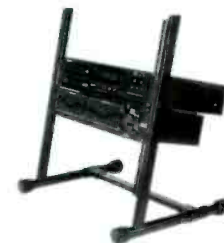
RS957 - Table Top Equipment Rack

This 8 space table top rack is built rugged and includes rubber feet that keep it from scratching counter tops. Knocked down unit can ship UPS and assembles easily.

RS957	Mfr. List $69.95	Call For BSW Price

MAJECAL

MAJECAL CASES - Rack and Microphone Cases

Majecal cases provide protection and superior quality at an affordable price. Utilizing state-of-the-art technology in vacuum forming, these cases are constructed using high quality plastic and heavy-gauge aluminum tongue and groove valance. Rackmount cases feature recessed steel handles, exterior spring-loaded latches, and steel tapped rack rails for ease of mounting equipment. Available in a variety of sizes.

Microphone cases feature foam protection with individual circular cutouts which hold your valuable microphones in an upright position. They also provides room for cables and accessories.

Mfr. List From $144.95 to $222.95   Call For BSW Price

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 $147.52
Convertible Travel Bag	Mfr. List $108.41

Call For BSW Prices

ROK SAK/KACES

RC2RW/RC4RW/MB-12 - Rack/Microphone Bags

Perfect for protecting your rack-mounted gear while on the road. Rok Sak rack bags have front and rear zippered openings, are constructed with hi-impact plastic and protected by tough cordura fabric outer shell. Bottom skids protect material. Houses equipment 17 3/4" deep.

KACES nylon microphone bag keeps 12 mics protected in foam. Includes removable shoulder strap and compartment for accessories.

RC2RW	2 rack spaces	Mfr. List	$99.95
RC4RW	4 rack spaces	Mfr. List	$114.95
MB12	holds 12 mics	Mfr. List	$99.95

Call For BSW Prices

SKB

ATA SERIES - Rack Cases

Tough, lightweight 19" rack cases made for the road, with front and rear latched covers. All cases are 14" deep and are available in sizes from 2 to 12 rack spaces. An ultra-tough polyethylene shell keeps equipment safe, is half the weight of wood cases, and is Air Transportation Association approved.

Mfr. List From $174.95 to $319.95   Call For BSW Prices
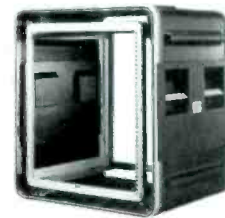
SHOCK-RACK SERIES - Rack Cases

The famous SKB "Shock-Rack" case system features an internal frame mounted on eight coiled shock absorbers. These control the effects of shock and vibration and also provide natural air conditioning around delicate audio equipment. Available in 8, 12 and 16 rack spaces.

Mfr. List From $500.00 to $700.00   Call For BSW Prices

DR. FERD
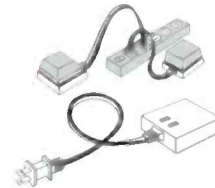
PSA - AC Transformer Extender

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   BSW Price $6.88

ETA

PD8L/PD8 - Power Conditioner/Light Module

ETA Systems offer incoming power spike, noise filtration and surge protection all in a 19" rack mount package. Full 15 AMP, 1800 Watt output with 8 protected U-ground power outlets located on the back panel. Rated to protect up to a 6000 Volt surge. Front panel LED indicator noting Go or No Go status. Model PL8L features front panel lights to light up your rack.

PD8L	Mfr. List $99.00	Call For BSW Price
PD8	Mfr. List $79.00	Call For BSW Price

FURMAN

PL-PLUS/PL8 - 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 you equipment while its two slide-out light fixtures provide discrete, shadow-free illumination. A dimmer control lets you adjust the lamp brightness to just the right level. Protects your equipment by combining a high voltage surge/transient suppressor with an RFI/EMI interference filter to keep out high level power spikes and lower level electronic noise. PL-PLUS features front panel line voltage indicator.

PLPLUS	Mfr. List $229.00	Call For BSW Price
PL8	Mfr. List $159.00	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 to be compatible with equipment requiring 120V power. 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

BP-1000 - Uninterruptible Power Supply

The BP-1000 uninterruptible power supply can provide adequate protection against blackouts for computers, audio equipment and production systems. Because the output power is continuously derived from the battery supply, there is absolutely no switchover delay. Features: low distortion sine wave output; rated 1000 VA (700 watts) at 115 VA, 60 Hz; provides accurate voltage regulation in normal use; LED bar-graph meters indicate percent of maximum load connected and battery energy remaining; audible alarms; backup time 5 minutes at full load, 12 minutes at 50% load; four power outlets; fully recharges in 10 hours.

BP1000	Mfr. List $1,479.00	Call For BSW Price

FURMAN

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

AR-1215/AR-2330 - AC Line Voltage Regulators

Furman AC line voltage regulators protect audio, video, computer and other 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.

AR-1215	Mfr. List $588.00	Call For BSW Price
AR-2330	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 systemwide installations; toroidal transformer with center-tapped secondary is the most efficient, with the least magnetic field leakage; soft start circuit prevents turn-on transients and high inrush currents; extreme voltage shutdown, spike suppression, RFI filtering and ground fault interrupter protection.

IT-1220	Mfr. List $1,479.00	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 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 (into any standard outlet) to offer hours of uninterruptable power.

FAR OUTLET	Mfr. List $399.00	Call For BSW Price

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 $100.00	Call For BSW Price

LITTLITE

L3/12 - High Intensity Light

The L3/12 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 same price). G series lamps with low-intensity bulbs, available in 6", 12" and 18" models, feature a BNC base for use with popular mixing consoles.

L3/12	12" attached gooseneck lamp	Mfr. List $57.00
WB	weighted base for L Series lamps	Mfr. List $11.00
6G	6" gooseneck lamp w/BNC base	Mfr. List $25.00
12G	12" gooseneck lamp w/BNC base	Mfr. List $27.00
18G	18" gooseneck lamp w/BNC base	Mfr. List $29.00
Q5	high-intensity replacement bulb	Mfr. List $9.00
1815	low-intensity replacement bulb	Mfr. List $2.50
	Call For BSW Prices	

NIGEL B.

3S12SPL

MHI12S

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 to give you a phone extension in your rack.

Nigel's mini gooseneck lamp with weighted base is perfect for near-field lighting.

3512SPL	35" power strip w/surge & lamp socket	Mfr. List $149.95
SP8LT	8 outlet power/light/tel. strip w/surge protection	Mfr. List $169.95
SP8	8 outlet strip with full surge protection	Mfr. List $139.95
6MHI	6" gooseneck lamp w/BNC connector	Mfr. List $39.95
12MHI	12" gooseneck lamp w/BNC connector	Mfr. List $41.95
MHI12S	12" gooseneck lamp w/base	Mfr. List $69.95
	Call For BSW Prices	

PERFECT DATA

16007/16008P - Copy Holders

Holders are designed for letter, legal, and A4 size documents. A spring-loaded holder clip keeps copy in place. Model 16007 features a lightweight arm for normal copy, the 16008 has a heavy-duty arm for books or stacks of copy. Both holders come with a table clamp mount. Model 16055 is an extension piece that allows the holders to accommodate wider copy.

16007	standard copy holder	BSW Price $50.00
16008P	heavy duty copy holder	BSW Price $57.50
16055	width extender	BSW Price $17.50

RPG
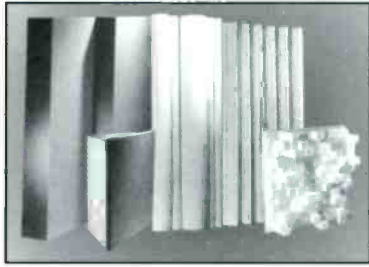
Acoustic Treatment

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. RPG also makes a line of sculptured, fire-safe acoustic control foam in different styles and colors.

Call BSW With Your Requirements

PROFOAM™ - Acoustic Treatment

The latest addition to the RPG AcousticTools® line of products is ProFoam™. This revolutionary new profile foam allows for more broadband absorption due to the patented variable depth air cavity (VDAC™) incorporated into the foam. The foam is available in both the Class A rated Melaflex™ and the Class B/C rated Polyflex™. This new profile foam is both attractive and affordable.

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 is 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 3 colors (charcoal, tan and blue), 4 sizes (12"x12", 2'x4', 4'x4' and 2'x8') and 4 depths (2", 3", 4" and 6").

Call BSW With Your Requirements

PRORAX

CS80W
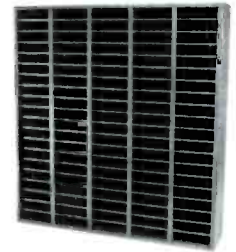
W100

CD80W

Media Storage Racks

ProRax are constructed of the finest quality oak or mahogany hard woods with sturdy dividers to keep to keep media organized. You can be sure these durable racks will provide years of service and add natural beauty to your facility.

W100	wall cart rack holds 100	BSW Price	$99.95
CD80W	CD rack holds 80	BSW Price	$95.00
CD80WOAK	CD rack holds 80	BSW Price	$110.00
CS80W	cassette rack holds 80	BSW Price	$79.00

VISU-FLEX

CDV SERIES - Stackable Media Cabinets

Visu-Flex stackable audio-video cabinets are designed to grow as your media collection grows. These heavy-gauge steel cabinets are available in two drawer "starter" and "adder" modules. Starter units ship complete with a finished steel top. Adjustable drawer dividers are included so you can mix different media in the same cabinet, or even within the same drawer. The CDV modules are 9 5/8" H x 20" W x 18 1/4" D and hold 270 DAT tapes, 152 8mm tapes, or 192 audio cassettes. The CDV modules have deeper drawers and can also accommodate 52 VHS cassettes or 234 CDs. CDV-MB is the optional mobile base with castors.

|			
CDV-2S	"starter" module	Mfr. List	$395.00
CDV-2A	"adder"	Mfr. List	$350.00
CDVMB	mobile base	Mfr. List	$110.00
	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 sixteen 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
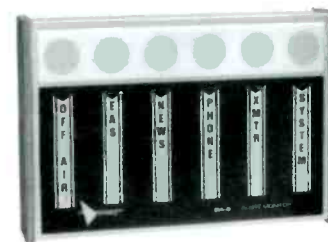
BA6 SERIES - Alert Monitors

Off the Air…EAS warning…telephone hotline ringing? Find out visually in an instant with the BA6 from Enberg Electronics. This practical device is attractive as well as functional and 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.

65340	"on- air"	Mfr. List $80.00	Call For BSW Price
340REC	"recording"	Mfr. List $80.00	Call For BSW Price

ABCO

A. Wire Cart/CD Racks

Sturdy carousels with the familiar gold wire construction

ABCO300	holds 300 carts	Mfr. List $446.25
ABCO500	holds 500 carts	Mfr. List $691.95
ABCO280	holds 280 CDs	Mfr. List $397.95
ABCO560	holds 560 CDs	Mfr. List $727.60

Call For BSW Prices

BSW

B. AW20 Cart Rack

Holds 20 carts. Made of high impact polystyrene, great for wall mounting. Includes mounting screws.

AW20	BSW Price $14.25

C. AW40 CD Rack

Holds 40 CDs. High impact polystyrene, wall mounting with mounting screws.

AW40	BSW Price $26.95

BRYCO

D. DRP40 DAT Rack

Precision formed, super tough plastic. Holds 40 DATs. (Black)

DRP40	BSW Price $21.30

E. DR60 DAT Rack

Beautiful solid oak rack holds 60 DATs—wall mount or table top

DR60	BSW Price $57.95

SOHO

F. CD1/CD1 SYSTEM CD Racks

These inexpensive, tough racks hold 12 CDs in each stackable, wall mountable unit. System consists of 12 units. Fits Denon cartridges.

CD1GRAY	holds 12 CDs	BSW Price $6.25
CD1SYSTEM	12 modules, holds 144 CDs	BSW Price $39.95

PROLITE

AP

RC

AW

L101

Warning Lights

Designed to fit a variety of interior specifications, the Prolite Architectural Series lights are attractive as well as functional to warn 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 3 configurations with either "on the air" or "recording" symbols.

The L101 fits in a standard single duplex electrical box and operates on 12 volt DC (user supplied). Specify white or red plastic lens.

AW	"on the air" flat wall single lens	BSW Price	$119.00
RW	"recording" flat wall single lens	BSW Price	$119.00
AP	"on the air" ceiling pendant double lens	BSW Price	$119.00
RP	"recording" ceiling pendant double lens	BSW Price	$119.00
AC	"on the air" wall/ceiling double lens	BSW Price	$129.00
RC	"recording" wall/ceiling double lens	BSW Price	$129.00
REC LENS	extra lens "recording"	BSW Price	$14.95
AIR LENS	extra lens "on the air"	BSW Price	$14.95
BLANK LENS	extra blank lens	BSW Price	$11.25
L101	12 volt warning light	BSW Price	$22.95

TITUS TECHNICAL LABS
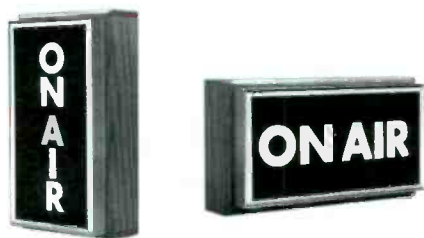
OAL SERIES - Warning Lights

Provides the broadcaster and recording studio with a beautiful but practical means of indicating that a studio is in use. These 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 but custom woods are 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.

OAL   BSW Price $125.00

ATI

BGD SERIES - Bargraph Meters

Economically display up to 12 critical audio lines in a single rack space. Available in two channel horizontal or four channel vertical configurations with either VU or PPM ballistics. Phase indication and headphone monitor available in dual bargraph meters. Optional Accessories: power supply and rack adaptors.

Price Based On Configuration

DORROUGH

40-A2 - Loudness Monitor

Dorrough loudness monitors uses an easy-to-read 40 LED scale to display the actual energy content of program audio with both peak and "persistence" readings on the same meter.

40A2   Mfr. List $475.00   Call For BSW Price

ESE

ES-21S

ES-216

ES-215/ES-216 - Audio Level Indicators

Available in either peak reading or VU. Model 215 monitors levels from -25 to +4 with 14 LEDs. Model 216 monitors levels from -20 to +3 with 10 LEDs. Several rack mount options available.

ES-215	Mfr. List $145.00	Call For BSW Price
ES-216	Mfr. List $69.00	Call For BSW Price

RDL

RU-SM12 - Dual Audio Meter

Precision audio level metering. Features: 12 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.

RUSM12   Mfr. List $213.00   Call For BSW Price

BROADCAST TOOLS

PSC - Programmable Schedule Controller

The PSC stores and controls up to 136 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. 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

ESE

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 face is 5", 12", 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

ES192A - Economy Master Clock

The ES192A is a 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 1pps output and a line frequency time base. Available in an all aluminum, black texture painted enclosure or optional single RU rack panel.

ES192A	Mfr. List $270.00	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

Digital Slave Displays

ESE offers a wide variety of digital slave displays ranging from .4" to 4" high with six enclosure types available.

Mfr. List From $192.00 to $795.00	Call For BSW Prices

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 the a master unit. Even CT-6 analog clocks can be added as slave displays.

THIN	1x7x2"	Mfr. List $175.00	Call For BSW Price
DESKTOP	4x7x2"	Mfr. List $195.00	Call For BSW Price
LARGE	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	BSW Price $33.95
709	14" AC powered w/second sweep	BSW Price $25.50
2636	14" battery powered w/second sweep	BSW Price $33.95

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. Plus, with the included rain collector you can measure 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.

7440CS   Mfr. List $495.00

Call For BSW Prices

RODCO

COMPUTEMP 5 - Time/Temperature Monitor

This unit accurately monitors outdoor and indoor temperatures and time of day. Features: temperature alarm alerts to any predetermined setting; 14-hour memory of daily high and low temperatures and the exact time of the 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 $89.95   **Call For BSW Price**

TELTEK
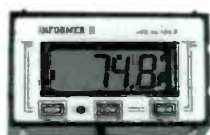
INFORMERII - Digital Temperature Gauge

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   BSW Price $54.95

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.

Prices Based On Configuration. Call BSW With Your Requirements

AEQ

ACD3001 - Digital Audio Codec

The ACD3001 digital audio codec offers full duplex operation and up to 13 kHz audio bandwidth utilizing 56 or 64 kbps services. This codec makes use of the G.722 and ISO/MPEG Layer II compression algorithms in a wide range of operating modes and combinations. There are three basic modes that can be selected for operation including a Stereo (dual) mode utilizing ISO/MPEG Layer II at a 24 kHz sampling rate yielding about 6.1 kHz bandwidth, a single mono channel utilizing ISO/MPEG Layer II for up to 13 kHz bandwidth, or a single mono channel utilizing G.722 for 7.4 kHz bandwidth. Sampling rates of 16, 24, 32 and 48 kHz can be selected to yield various bandwidths for different applications. The ACD3001 can be synchronized manually or automatically and will re-establish syncronization with the last selected operating mode in the event of syncronization failure. It also offers the flexibility of an auxiliary data channel, at data speeds of 300 and 1200 bauds, which is available when the ISO/MPEG Layer II coding scheme is selected in one of the mono modes. A front panel loop switch provides full testing capabilities, by means of true digital loopback.

ACD3001   Mfr. List $1,895.00   **Call For BSW Price**

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 $1,425.00   **Call For BSW Price**

APT

NXL256 - Broadcast Network Transceiver

The NXL256 is designed to deliver broadcast quality audio over nailed up digital links such as STLs and permanent studio networks. The affordable NXL256 utilizes proven apt-X coding technology to provide high-quality audio with negligible coding delay. **Features:** full-duplex operation; 56 to 256 kbps transmission bandwidth; 6.8 kHz mono to 15 kHz stereo audio bandwidth; X.21, V.35 data interface options; automatic transmission backup; integral auxiliary data; comprehensive alarm and test functions.

NXL256	Mfr. List $4,161.00	Call For BSW Price
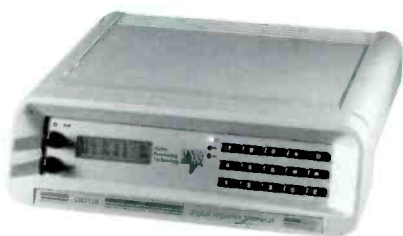
DRT128 - ISDN Codec

Portable and robust, the DRT128 Digital Reporter Terminal is designed for outside broadcast and limited bandwidth applications to 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 $4,398.00	Call For BSW Price

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 $7,721.00	Call For BSW Price

CIRCUITWERKES

AC-3 - Telephone Autocoupler

The AC-3's automatic features make it ideal for a variety of telephone tasks such as listen lines, concert lines and remote broadcasting. Dry relay contacts can interface almost any external device, An inhibit input allows a cart machine, etc. to re-cue before answering. Comes ready to auto-couple right out of the box—just plug it in and go. Includes a simple active hybrid for separating send and receive audio.

AC3	Mfr. List $239.00	Call For BSW Price

AC12 - Autocoupler System

Fit up to a dozen full-featured, very affordable, autocouplers 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 accepts a wide range of input signals; each coupler has its own relay isolated, user selected, momentary or latching dry contacts when it connects; automatic signal limiting.

AC12	powered chassis	Mfr. List $329.00	Call For BSW Price
AC1B	coupler cards	Mfr. List $155.00 ea.	Call For BSW Price

COMREX

DX100/DX200 - Stereo Audio Codecs

DX100 is the digital audio codec of choice when highest quality with minimum compression is required. Utilizing the popular apt-X audio coding algorithm, the DX100 is capable of 15 kHz stereo transmission 256 kbps or 15 kHz mono at 128 kbps (as well as a variety of other rates and modes). This is a very stable algorithm with high immunity to transcoding artifacts and very low delay to facilitate program monitoring.

The DX200 allows users to send up to 20 kHz stereo audio on a single ISDN dial-up line. Select data and sample rates to optimize your audio quality at any bandwidth you choose utilizing ISO/MPEG layer II, standard G.722 coding or Turbo G.722. It can also be used with ISDN or dedicated digital lines, T1, satellite or wireless modem applications. Whether you're after maximum audio bandwidth, minimum delay or the highest amount of compatibility with other hardware, the DX200 has it all. The optional DX200 Control Panel gives you the ability to change the DX200 settings "on the fly".

DX100	Mfr. List $3,000.00	Call For BSW Price
DX200	Mfr. List $3,000.00	Call For BSW Price
Control Panel	Mfr. List $300.00	Call For BSW Price

Digital audio links

for broadcasters

SWITCHED DIGITAL AUDIO LINKS

BCF256

Over fixed or ISDN links such as those used for studio networking, STLs and temporary outside broadcasts, this full duplex Broadcast Communications Frame facilitates FM quality stereo digital audio up to 20kHz. The new BCF256 provides a host of features including auxiliary data and integral fail-safe ISDN back-up. An optional digital I/O is available.

THE BEST BITS IN DIGITAL AUDIO COME FROM APT

Whatever your broadcast application, only APT provides the most comprehensive, proven and compatible solution to high quality digital audio links. Characterised by the lowest available coding delay – APT codecs provide the most robust and economic audio distribution available, in applications throughout your broadcast operation.

TEMPORARY DIGITAL AUDIO LINKS

DRT128

Designed for the reporter on the move, the DRT128 Digital Reporter Terminal enables speedy direct dial connection to the ISDN through an integral terminal adapter for the simultaneous transmission and reception of broadcast quality audio. Robust and lightweight, the DRT128 provides a variety of transmission options - including stereo.

FIXED DIGITAL AUDIO LINKS

NXL256

The cost effective solution to networking over dedicated links, the NXL256 Broadcast Network Transceiver is an apt-X based codec with provision for back up feed, providing the assurance of programme continuity. A robust and compact codec, the NXL256 is designed for bandwidths from 6.5kHz mono to 15kHz stereo.

APT
AUDIO PROCESSING
TECHNOLOGY

Headquarters Tel: +44 0 1232 371110
Japan Tel: +81 3 3520 1020
United States Tel: +1 213 463 2963

URL: http://www.aptx.com

COMREX

HOTLINE - Standard Phone Line Codec

Finally, a 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 $2,995.00	Call For BSW Price
HOTRACK	Mfr. List $3,195.00	Call For BSW Price

NEXUS - ISDN Codec

Capable of 15 kHz as well as 7.5 kHz low delay bi-directional mono audio over ISDN or SW56, the Nexus comes complete with a built-in terminal adaptor (TA) and NT1. It features a mic/line input and the output provides a variable mix of local program and codec return audio. Nexus has ancillary data compatibility and provides a separate data port for SW56 DSU/CSUs. This compact, rugged codec weighs in at only 4 pounds making it a must for remote talk and sports broadcasts. The Nexus is easy to set up with keypad, LCD display and memory dial.

NEXUS	Mfr. List $2,300.00	Call For BSW Price

DXP.1/DXR.1 - Mono Codecs

The Model 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.

DXP.1	portable codec	Mfr. List $1,500.00	Call For BSW Price
DXR.1	rack mount codec	Mfr. List $1,500.00	Call For BSW Price

COMREX

3XP.1/3XR.1 - Multiline Frequency Extender

The Multiline system provides 50 Hz to 8 kHz audio on three standard dial telephone lines. The 3XP.1 Encoder is built into a rugged, portable case and features automatic dialing and "one-button" setup. Real time audio processing allows program backfeed without delay. An optional rack adaptor is available for the 3XP.1

The 3XR.1 Decoder will automatically answer and match the gains of the program lines as well as equalize each line across the full telephone band. The unit is housed in a single standard rack. An optional remote control is available to initiate dialing from the 3XR.1.

3XP.1 and 3XR.1 are compatible with all Comrex Two Line Systems.

3XP.1	encoder	Mfr. List $4,500.00	Call For BSW Price
3XR.1	decoder	Mfr. List $4,500.00	Call For BSW Price

2XP/2XR - Two Line Frequency Extender

The Comrex Two Line has become a "backhaul standard" for sports and syndicated talk programming. This system gives you a full 50 Hz to 5 kHz of program audio using two regular dial-up telephone lines, and its unique noise reduction can quiet just about any phone circuit. The 2XP encoder is small and lightweight for all your remote broadcasts. The 2XR rack mount decoder requires two external couplers such as the TCB1A or TCB2A.

2XP	encoder	Mfr. List $3,500.00	Call For BSW Price
2XR	decoder	Mfr. List $3,000.00	Call For BSW Price

LXT/R - Single Line Frequency Extender

This basic system restores the low end on telephone transmissions, offering a substantial improvement for telephone remotes. This model 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.

LXT/R	Mfr. List $850.00	Call For BSW Price

COMREX

TCB2A/TCB1A - Telephone Couplers

It's easy to put your audio on the phone with the TCB-2A auto-answer coupler from Comrex. Built specifically for broadcast use, the TCB-2A 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.

TCB-1A broadcast coupler sends and receives program material via the switched telephone network. This unit requires no external power and connections are standard modular plugs. The TCB-1 contains an FCC registered coupler which provides isolation from hazardous voltages and currents and includes an active circuit to hold the telephone line. 1/4" jack for line level input.

TCB-2A	Mfr. List $250.00	Call For BSW Price
TCB-1A	Mfr. List $150.00	Call For BSW Price

CONEX

CELLJACK - Cell Phone Interface

Turn your cell phone into a remote broadcast center with the CellJack. This unique interface works with Motorola bag 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	Mfr. List $245.00	Call For BSW Price

CELLJACK II - Cell Phone Interface Mixer

Like the original CellJack, the CellJack II is designed for simple and cost-effective remotes. It incorporates a three input mixer and interfaces to Motorola brand bag-type cell phones. **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 II	Mfr. List $245.00	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.

HC1	Mfr. List $99.00	Call For BSW Price

HA-1 - Hybrid Adaptor

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.

HA1	Mfr. List $99.00	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. Pick the handset up to talk to the caller off-air and hang up the handset to disconnect the call.

TELEHYBRID	Mfr. List $749.00	Call For BSW Price

GENTNER

DH20/DH22 - Digital Telephone Hybrids

These two hybrids provide excellent sound and easy installation. With new 16-bit technology, they deliver the deepest and most 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 deepest, most reliable hybrid null; auto mix-minus – just connect it to the output of your equipment; 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 $1,495.00	Call For BSW Price

G2500 - Digital Telephone Hybrid

Unlike other hybrids, the G2500 features an automatic mix minus allowing you to feed the program output of any console down the telephone line, even when the output contains caller audio. The G2500 automatically removes the caller audio from its feed path. **Features:** auto answer/disconnect; auto-nulling; auto re-null on new line selection; RS-232 control; single cable conferencing and acoustic echo suppression to further reduce the chance of feedback.

G2500	Mfr. List $2,095.00	Call For BSW Price

DHIII - Digital Telephone Hybrid

The Digital Hybrid III is Gentner's most popular hybrid. With automatic gain control, automatic nulling and automatic re-null on new line selection (through a call director such as a multi-line telephone or Teleswitch, etc.) DHIII provides the best possible hybrid performance from line to line. The DHIII also provides a one button record feature that starts and stops outboard recorders. Just push the record button and DHIII will automatically start your tape machine and stop it at the end of the call. The cue feature allows your talent to use the DHIII off the air much like a speakerphone. A remote cue input allows you to use this function automatically via the cue position on your console.

DHIII	Mfr. List $1,895.00	Call For BSW Price

GENTNER

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 productions. 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

TS612 - Multi-line Telephone System

Gentner designed the TS612 multi-line telephone system expressly for ease of use, excellent audio quality, maximum flexibility and expandability.

The control surface on the TS612 has a handset and keypad built in so you can take on-air or off-air calls from any location. Up to 3 control surfaces can be used with a single mainframe. Out of the box it offers connection to 6 phone lines, with simple expansion to 12 lines as an option.

The TS612 is so intuitive and easy to use. For instance, to take a call off-air, just pick up the handset and select the line. If you select a line while the handset is in the cradle, the system automatically places it on the hybrid. If you're talking with someone off-air and wish to place the call on-air, just press the AIR button. Status of each line is indicated by LEDs above the line buttons. The LED glows red for on-air status, green for off-air status and flashes at different rates for ring or hold status or if the line is in use by another control surface.

Two built-in digital Superhybrids, digital audio enhancement and built-in mix-minus ensure the highest quality audio with the ability to connect directly to any console.

Additional features expand the system's flexibility and make it a pleasure to use: control via RS232/422, a VIP button ensures that "VIPs" cannot be deselected or placed on hold, a "Next" feature that selects the call that has been waiting the longest or the next screened call, a caller mute function and two AUX buttons for controlling external equipment such as a delay dump or recorders.

TS612-6	six line system	Mfr. List	$3,149.00
TS612-12	twelve line system	Mfr. List	$4,195.00
9100003200	extra control surface	Mfr. List	$489.00
	Call For BSW Prices		

GENTNER

TELESWITCH - Telephone Call Director

With TeleSwitch, up to five lines can be directly connected, placed on hold, and routed to a hybrid or telephone set. Conference and even record callers with the press of a button. TeleSwitch will work with most business phone systems. Installation and operation is 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

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.

HYBRID COUPLER   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.

AUTO COUPLER   Mfr. List $349.00   Call For BSW Price

Don't see the Processor your looking for?
Just ask us.
This catalog contains only a sample of
the products we carry.

GENTNER

TC100RTT - Automatic Telephone Interface

The most versatile telephone coupler you'll find. **Features:** auto-answer; auto-disconnect; latching or momentary tape starts; built-in hybrid; fully remote control capable and a DTMF decoder.

TC100RTT   Mfr. List $659.00   Call For BSW Price

MICROTEL - Telephone Interface

Microtel is a portable, battery operated telephone interface used in a variety of applications. Typically, Microtel replaces the hand-set 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

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 computers hard drive. An 80MB drive will store over 2 hours of messages. Up to 16 phone lines can be answered simultaneously with AUDIO On-line 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

HENRY ENGINEERING

DIGISTOR - Digital Message Storage System

DigiStor is a digital message storage system that is ideally suited for telephone "information lines", e.g., concert, ski report, sports scores, etc. DigiStor will store up to 4 minutes of audio for automatic playback via a regular telephone line. The message is stored in digital memory with battery back-up. DigiStor can be programmed to play the message only once, or continuously until the caller hangs up. Play, Stop, and Record functions are remote controllable.

DIGISTOR	2 min./4 min. depending on fidelity	Mfr. List $395.00
DIGISTORXM	8 min./16 min. depending on fidelity	Mfr. List $595.00
DIGISTORHF	1 min. 20 sec. extended fidelity	Mfr. List $420.00
DIGISTORXMHF	5 min. 25 sec. extended fidelity	Mfr. List $620.00

Call For BSW Prices

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).

MIXMINUS PLUS	Mfr. List $195.00	Call For BSW Price

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 pack or 12-volt cigarette lighter adaptor; 2 line, 16 segment back-lit LCD display; 3 watt cellular transceiver; RJ11C - 6 pin land line connector; software selectable single line encoder; programmable cellular telephone number and functions; broadcast timer.

CELLCAST RBS-400	Mfr. List $2,950.00	Call For BSW Price

MARTI

SMARTI - Digital Telephone RPU System

The SMARTI can send and receive 7.5 kHz audio over a single standard analog telephone line with true broadcast audio quality. The SMARTI also incorporates a fully functional mixer with 4 inputs. Within easy reach, SMARTI's functions are menu driven from the "telephone style" keypad and displayed on the easy to read 2 x 16 backlit LCD display. SMARTI offers three different operating modes; MPEG 2 layer III, low delay G.728, and direct analog telephone interface. Plus, SMARTI uses the fastest modem speed available today and automatically adjusts speed up or down to match telephone line conditions. Additional features include: supports up to 33.6 kbps depending on the phone line (7 kHz audio at 24 kbps); MPEG has a selectable "adaptive mode" to "learn" line conditions to insure a solid smooth connection; 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 jacks with program and return switches; operates from 90 to 2644 volts (50/60 Hz) without setting switches or jumpers.

SMARTI	Mfr. List $3,400.00	Call For BSW Price

INOVONICS

PBX - Telephone Line Eliminator

PBX by Inovonics allows up to 7 devices to use 1 phone line. Features: DTMF access codes and control; transparent to modems connected to it; simple set-up and operation; line 7 priority.

PBX	Mfr. List $420.00	Call For BSW Price

RADIO SYSTEMS

DI-1000/DI-2000 - Digital Telephone Hybrids

The DI-1000 is designed to work with any console in multiple operating modes. It answers the phone, puts callers on hold, connects the host to the caller to cue up the call and puts the caller on air. Features: hybrid automatically adjusts the send/receive separation (hybrid null); no mix-minus required (loop your mic or line level feed through the rear panel connectors and the hybrid automatically creates a mix-minus send to the caller); call screening capability by adding any single line phone; 2 watt internal amplifier; balanced TRS 1/4" connectors.

DI-1000	single hybrid	Mfr. List $995.00	Call For BSW Price
DI-2000	dual hybrid	Mfr. List $1,495.00	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

SOUND AMERICA

RSVP - Record/Send Phone

Here is the perfect, easy solution for sending or recording audio from the telephone. The RSVP from Sound America is a standard telephone that contains a built-in audio coupler. Cassette recorders will interface directly for recording or sending program material. In addition, the RSVP has an amplified electret condenser microphone for superior voice quality and a mute switch to cut out background noise while recording. Backed by a two-year warranty, the RSVP is a perfect product for news and production.

RSVP	BSW Price $160.45
SVP without record feature	BSW Price $130.25
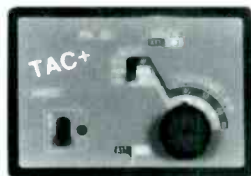
TAC/TAC+ - Telephone Couplers

Designed to interface audio equipment to standard phone lines, TAC and TAC+ from Sound America are inexpensive solutions. Both units are inserted between the handset and the handset jack on the telephone. Power to these units is provided by the telephone line.

TAC provides a switch to match input levels to telephone and also a mute switch for the handset mic. TAC+ adds more flexibility with an addition of a momentary mic mute (cough) position and selector switches for different input attenuation and impedance ranges.

TAC	Mfr. List $89.50	Call For BSW Price
TAC+	Mfr. List $114.25	Call For BSW Price

TELOS

TELOS ONE/ONE PLUS ONE - Digital Telephone Hybrids

The Telos ONE is the perfect low-cost solution for any telephone interface application. The Telos ONE 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; and digital processing to dramatically reduce the chances for feedback when monitoring with open speakers.

The input of the Telos ONE is switchable for mic or line level and two outputs are provided. The Telos ONE comes in either a rack mounting chassis or a modem style case that can be rack mounted with optional panels.

The Telos ONE plus ONE starts with two Telos ONE digital hybrids in a single rack-unit chassis. Each hybrid functions completely independently. 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	$1,050.00
150	Telos One Plus One	Mfr. List	$2,180.00

Call For BSW Prices

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 dynamic digital equalizer is so advanced that its technology is not currently found in any other broadcast product. The EQ examines the caller audio in three bands and automatically equalizes the high and low bands, with reference to the middle band, to create uniform spectral density.

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.

Installation and operational enhancements include dual inputs and outputs, comprehensive metering, and two remotely selectable adjustments for caller override.

100 DELTA	Mfr. List $2,180.00	Call For BSW Price

Don't see the Product you're looking for?
Just ask us.
This catalog contains only a sample of
the products we carry.

TELOS

DIM/1A2 - Multi-line, Multi-Caller Talk Systems

Telos offers two options for selection and control of multiple telephone lines in broadcast systems. Complete systems include Telos hybrids, an interface module and control surfaces. The Direct Interface Module (DIM) allows direct connection of up to 10 phone lines. It functions as a full broadcast phone system including program on hold and caller conferencing.

The 1A2 Interface Module makes use of standard 1A2 key telephone equipment. Each handles 10 phone lines and units can be coupled to handle up to 30 lines.

Control options include a desktop switch console and drop-in modules for BE, PR&E, and other popular radio consoles. Caller screening is accomplished with phones or Telos' Call Screen Manager computerized software. (see product below)

220	DIM Direct Interface Module	Mfr. List $1,840.00
210	1A2 Interface Module	Mfr. List $1,050.00
310	Switch Console	Mfr. List $650.00

Call For BSW Prices

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 mounting 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' top-of-the-line Direct Interface Module.

For system control, the ONE-x-Six is packaged with a desktop Switch Console at no additional charge. 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. To meet the needs of smaller installations, 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.

Call Screen Manager compliments the ONE-x-Six and other Telos talk show systems by helping your screener/director provide your talent with information on each caller using IBM-compatible PCs. 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.

A special bundle is available that combines two Switch Consoles and Call Screen Manager Host Software with a ONE-x-Six.

230	One-x-Six with Switch Console	Mfr. List $2,180.00
235	One-x-Six with out Switch Console	Mfr. List $1,920.00
951	Host Software (Dos)	Mfr. List $350.00
952	Remote &Host Software (Dos)	Mfr. List $450.00

Call For BSW Prices

TELOS

ZEPHYR - Digital Network Audio Transceiver

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 15kHz 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. Controls are straightforward for easy operation by non-technical users. Zephyr includes full metering, a headphone jack, mic/line inputs, and input protection limiting.

9102	mono zephyr with TA & NT1	Mfr. List $3,980.00
9202	stereo zephyr with TA & NT1	Mfr. List $4,980.00

Call For BSW Prices And Other Configurations

ZEPHYREXPRESS - Portable Zephyr System

Sending live audio from the field via ISDN has never been easier. Telos lightens your remote broadcast burden with the ZephyrExpress, by combining a full-featured codec, an ISDN terminal adapter, and an audio mixing/monitoring system, all in a road-rugged chassis. With ZephyrExpress, there is no need to lug additional electronics.

Complete features of the standard Zephyr are included. 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.

Of course, Telos' ISDN terminal adaptor, compatible with virtually every ISDN system in the world, is included. ISDN operation is through familiar keypad, a large LCD display, and an EDIT control knob. The menu structure is simple and includes on-line help.

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. The straight-forward, easy-to-operate front panel controls handle channel assignment and input levels, with more advanced audio routing preferences accessed from the LCD and EDIT control.

A unique, selectable SAFE feature allows the ZephyrExpress to be locked into a single, preferred configuration. The user can dial, disconnect and change levels but is restricted from modifying the ISDN set up and number to be dialed. SAFE keeps operation simple for non-technical personnel, but, if the station requires, the user can disable this feature from the back panel and access the full menu.

The molded chassis of the ZephyrExpress absorbs the bumps of the road. Optional hard and soft carrying cases are also available.

9302 stereo ZephyrExpress Mfr. List $5,280.00 Call For BSW Price

The Ubiquitous Zephyr...

Zephyr™ makes me happy
I like it quite a lot
I'm not alone with Zephyr
it connects me on the spot

I push a single button
and instantly I'm there
destination doesn't matter
'cause Zephyr is everywhere

Layer 3
Layer 2
compatibility
AES/EBU
G.722
killer
sound
ISDN
20-bit A/D
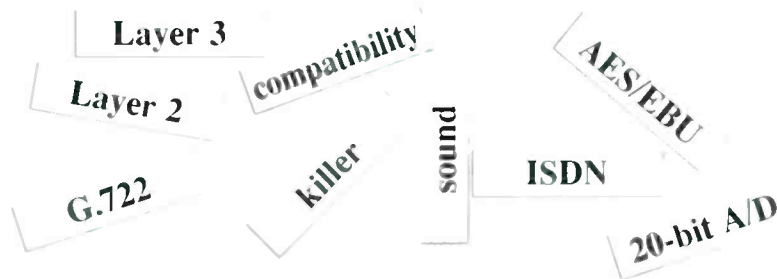
Everyday, we see more signs that Zephyr is everywhere. So, if you've ever thought about remote broadcasts or linking up with other studios, there's never been a better time to act than now. Zephyr has quickly become the standard, with thousands already in use.

Zephyr is number one among radio stations and studios. It is the best sounding, lowest cost way to send high-quality audio over ISDN. Once programmed, anyone can Auto Dial ISDN calls. Not sure what to do next? Press the help button for simple instructions.

Zephyr is full-duplex for two-way transmission. And you don't have to worry about what codec is on the other side — with Layer 3, Layer 2, and G.722, Zephyr can handle whatever is thrown at it — even bad poetry. With Zephyr, the whole country—even the world—is your studio.

- The ideal solution for remote mixing and broadcasts, ad hoc networks, recording sessions, voiceovers, distribution of commercials, backup to satellite and microwave links, and many other applications.

- Designed by Telos specifically for radio/audio applications over ISDN.

- Optional AES/EBU digital audio input/output module with sample rate conversion.

- Clean, uncluttered front panel for simple operation. Full metering, call duration timer, headphone jack, and mic/line inputs.

- Built-in input protection limiter. When your talent screams, your audio doesn't distort.

- Zephyr has an integrated ISDN terminal adapter designed for the non-technical operator. You can even place a standard voice-grade call to a Plain Old Telephone Service (POTS) telephone.

Telos Zephyr: The Best Way to Hear from There™

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. The Company's products, originally developed in response to specific design requirements of broadcast equipment manufacturers, have since become standards of the industry.

Call BSW With Your Requirements

BROADCAST TOOLS

TALKING DUCK - Remote Audio Circuit Identifier

The Talking Duck conveniently identifies any audio circuit. By simply connecting the wall transformer to the Talking Duck and pressing the RECORD button, a 16 second identifying message may be recorded. On playback, a 4 second 1 kHz tone along with the recorded message will continually run. By connecting the Talking Duck to a Telco loop or ISDN equipment, the user can immediately identify a remote circuit.

TALKING DUCK   Mfr. List $139.00   Call For BSW Price

CONEX

RX11 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 50Hz to 20kHz with 50 steps. Compact 3" x 5" package.

RX11 TONEJACK   Mfr. List $229.00   Call For BSW Price

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; outs drive either 600 or 50 ohms.

SNG1   Mfr. List $695.00   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

DORROUGH

1200 - Audio Test Set

With the 1200 you can take stereo measurements of level, balance, crosstalk, 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

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

GOLDLINE

ASA10B - Audio Spectrum Analyzer

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 $374.00	Call For BSW Price
PN2 Pink Noise Generator	Mfr. List $95.00	Call For BSW Price

GOLDLINE

DSP30 - Digital Portable RTA

The DSP Series RTAs from Goldline offer cutting edge technology and convenience at an affordable price. There are three models to choose from.

The DSP30 is a portable unit in a high-impact strength "ABS" case. The DSP30RM is a rack mounted version and the DSPCI is a black box interface that lets your PC or Mac become the RTA. **Features:** an 85dB window which is not limited by the display; automatic sum and average functions; scales from 1/4 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. Models DSP30 and DSPCI require optional pink noise source such as PN2.

DSP30	Mfr. List $1,579.00	Call For BSW Price
DSP30RM	Mfr. List $2,300.00	Call For BSW Price
DSPCI	Mfr. List $1,842.00	Call For BSW Price

LOFTECH

TS1/TS1RMX - Audio Test Sets

The Loftech 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 two-year warranty.

Also available in a rack mount version with XLR connectors as model TS1RMX.

TS1	Mfr. List $399.95	Call For BSW Price
TS1RMX	Mfr. List $566.00	Call For BSW Price

POTOMAC

AA-51A - Audio Analyzer

The AA-51A is a multipurpose, precision audio analyzer which was 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.

AA-51A	Mfr. List $3,960.00	Call For BSW Price

POTOMAC

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 $3,525.00	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. See page 82 for Stick-On series/oscillators.

RUOSC4A	Mfr. List $255.00	Call For BSW Price
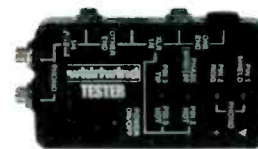
WHIRLWIND

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. Fits in your tool box.

|		
TESTER	Mfr. List $77.95	Call For BSW Price

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 $199.00	Call For BSW Price

# CD ACCESSORIES

A.

B.

C.

D.

E.

F.

G.

H.

I.
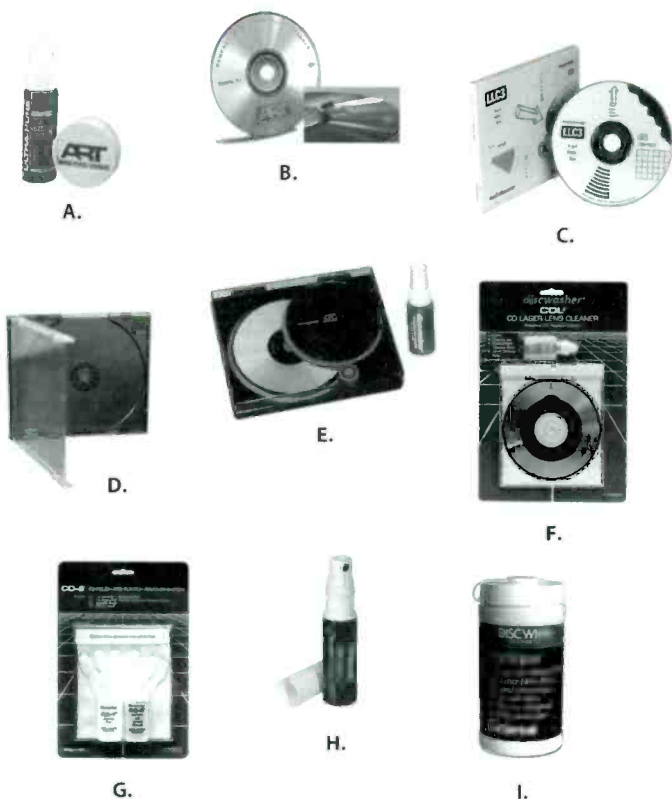
A. A.R.T. CD101P - CD Cleaner

Non-abrasive cleaning pad with non-alcohol cleaning fluid.
CD101P   BSW Price $9.50

B. A.R.T. LL151 - Laser Lens Cleaner

Gently cleans lens with special dual fiber brushes
LL151   BSW Price $17.00

C. BSW LLC3 - Laser Lens Cleaner

Cleans with gentle brushing action. Includes test tones.
LLC3   BSW Price $29.95

D. BSW CDBOX - CD Jewel Case

Standard size replacement for broken cases.
CDBOX   BSW Price $0.55

E. DISCWASHER CDC - CD Cleaner

Rotary-action cleaner with fluid
CDC   BSW Price $16.40

F. DISCWASHER FG1107 - Laser Lens Cleaner

Includes fluid and replacement pad.
FG1107   BSW Price $18.30

G. DISCWASHER FG1163 - CD Repair Kit

Includes fluid, polish, applicators and wipes to remove scratches.
FG1163   BSW Price $10.10

H. GENEVA PF416 - CD Cleaning Spray

Convenient spray for use with soft cleaning cloth. 1 oz. bottle.
PF416   BSW Price $6.75

I. GENEVA PF425 - CD Cleaning Wipes

No-nonsense, easy to use tissues in fluid. 70 per container
PF425   BSW Price $7.25

CASSETTE ACCESSORIES

FG1230

FG1450

DISCWASHER FG1230/FG1450 - Cleaner & Demagnetizer

FG1230 safely removes tape oxides and contamination from tape heads.
FG1450 head demagnetizer helps maintain full frequency response.

FG1230	Mfr. List $4.95	Call For BSW Price
FG1450	Mfr. List $14.95	Call For BSW Price

REEL TO REEL ACCESSORIES

A.

B.

C.

D.
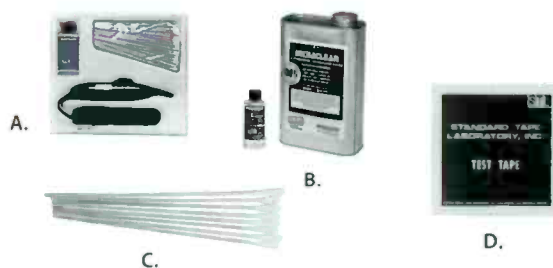
A. A.R.T. K161S - Recorder Maintenance Kit

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.

K161S   BSW Price $66.50

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	oz. bottle	BSW Price $8.00
S711Q	quart can	BSW Price $44.00

C. BSW BCS - Cotton Swabs

Extra long style for cleaning tape heads that are hard to reach.

BCS 100	100 pack	B5W Price $3.95
BCS 500	100 pack	BSW Price $10.95
BCS 1000	1,000 pack	BSW Price $19.95

D. STL/MRL - Test Tapes

Complete selection of test tapes for every application. Available in open reel, cassette and audio cartridge. Call BSW with your requirements.

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 low priced.

CO2   Mfr. List $20.00   Call For BSW Price

TECHNICS

SL1200MKII - 2-Speed Turntable

The industry's most popular turntable is, without a doubt, the 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 $599.95	Call For BSW Price

STANTON

Cartridge		Replacement Styli	
Model	BSW Price	Model	BSW Price
500AL	$21.50	D5107AL	$12.50
500EL	$21.50	D5100EL	$13.50
500EMKII	$18.95	D50EMKII	$10.50
680AL	$61.00	D6800AL	$22.00
680EL	$72.95	D6800EEEIII	$38.00
890AL	$83.50	D89AL	$30.00
TRACKMASTEREL1	$86.95	TEL	$29.95
TRACKMASTERAL1	$86.95	TAL	$29.95

SHURE

Cartridge		Replacement Styli	
Model	BSW Price	Model	BSW Price
M44GX	$28.95	N44GX	$20.00
M447X	$26.00	N447X	$18.00
SC35C	$40.00	SS35C	$20.00

AUDIO-TECHNICA

Cartridge		Replacement Styli	
Model	BSW Price	Model	BSW Price
ATP2	$59.00	ATPN2	$21.50

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%; maximum 20 Hz - 20 kHz.

P100S	Mfr. List $339.00	Call For BSW Price

RDL

ST-PH1 - Turntable Preamp

The STPH1 provides accurate, low noise preamplification at very low cost. **Features:** balanced and unbalanced, hi 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 $126.95	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.

PS1	Mfr. List $229.95	Call For BSW Price

STANTON

310B - Stereo Phono Preamp

Features: universal mounting; instant selection of flat or NAB post emphasis curves; switchable, effective rumble filter; individual adjustments of gains and high frequency responses; trimming of cartridge loading; either 117 or 230V operation at 50 or 60 Hz; and immunity to external magnetic AC fields. The 310B can be used in balanced as well as unbalanced modes and in-phase and out of phase mix of L and R channels for monophonic reproduction of older records.

310B	Mfr. List $329.00	Call For BSW Price

ART
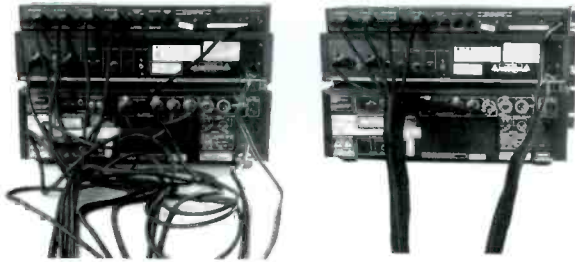
Before Snakeskin   After Snakeskin

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 wrap around 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.

| SKIN0.58B | 1/2" Snakeskin, 8' section | BSW Price $16.00 |
| SKIN1.08B | 1" Snakeskin 8' section | BSW Price $20.00 |

HOSA
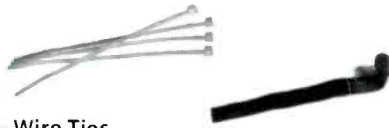
WTI SERIES - Wire Ties

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 | BSW Price $5.50 |
| WTI173 | pack of 20 cinch ties | BSW Price $6.00 |

PANDUIT

Wiring Duct

Width: 2 inches, Height: 2 inches, Length: 6 feet. Includes cover.
| WIRING DUCT | | BSW Price $53.95 |

WEST PENN

Category 5 Network Cable

This high-quality cable meets EIA/TIA 568 Category 5 specifications and is excellent for analog or digital voice applications. 1000 ft. reel PVC jacket.
| WP54568 | | BSW Price $89.95 |

STUDIO WIRE

BELDEN 8451 - Single Pair Wire

Popular 2 conductor wire with drain is perfect for studio installations. 1000' lengths are available in the convenient UN-REEL box. Colors available.
| 8451BLKBOX | black, in UN-REEL box | BSW Price $105.90/1000' |

GEPCO 61801 - Single Pair Wire

2 conductor 22 gauge wire with foil shield and drain wire. EZ version strips easier with foil shield bound to outer PVC jacket. 1000 ft. reel. Standard color is black. Other colors available.

| 61801-0 | standard wire | BSW Price $98.75/1000' |
| 61801EZ-0 | easy strip version | BSW Price $98.75/1000' |

WEST PENN 291 - Single Pair Wire

Twisted pair, 22 AWG, stranded tined copper with aluminum foil shield and copper drain wire. Colors available.
| 291 | (specify color) | BSW Price $79.95/1000' |

MULTI-PAIR CABLE

GEPCO GA724M SERIES - Multi-Pair Cable

24 AWG, individually shielded and jacketed with numbers printed on jacket. Outer jacket is an extra flexible matte finish.

GA72404M	4 pair cable	BSW Price 64¢/foot
GA72408M	8 pair cable	BSW Price $1.24/foot
GA72412M	12 pair cable	BSW Price $1.65/foot
GA72416M	16 pair cable	BSW Price $2.28/foot
GA72426M	26 pair cable	BSW Price $3.60/foot

SPEAKER CABLES/WIRE

HOSA SKM200 SERIES - Speaker Cables

12 gauge, clear jacket cables with jumbo 1/4" connectors
SKM210	10' speaker cable	BSW Price $21.65
SKM225	25' speaker cable	BSW Price $34.75
SKM250	50' speaker cable	BSW Price $56.75

HOSA SKM600 SERIES - Speaker Cables

16 gauge, clear jacket cables with 1/4" connectors
SKM610	10' speaker cable	BSW Price $12.65
SKM625	25' speaker cable	BSW Price $18.75
SKM650	50' speaker cable	BSW Price $29.50

*Banana connectors can be added to one end at no extra charge. Other lengths available

WHIRLWIND - Bulk Speaker Cables

Choose black jacketed (GA) or clear jacketed, oxygen-free (STUDIO)
W12GA	12 gauge, black jacketed cable	BSW Price 60¢/foot
W14GA	14 gauge, black jacketed cable	BSW Price 40¢/foot
W16GA	16 gauge, black jacketed cable	BSW Price 30¢/foot
W122STUDIO	12 gauge, oxygen free	BSW Price 55¢/foot

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 punchblock. If you don't see what you're looking for just ask.

SWITCHCRAFT A3F	XLR female	BSW Price $2.95/ea.
SWITCHCRAFT A3M	XLR male	BSW Price $2.80/ea.
SWITCHCRAFT 280	1/4" mono phone male	BSW Price $1.60/ea.
SWITCHCRAFT 190	1/4" TRS male	BSW Price $9.50/ea.
SWITCHCRAFT 780	1/8" mini male	BSW Price $4.95/ea.
NEUTRIK NC3FX	XLR female	BSW Price $3.00/ea.
NEUTRIK NC3MX	XLR male	BSW Price $3.15/ea.
66B350	standard punch block	BSW Price $16.95
BCLIP	bridge clips	BSW Price 9¢ ea.

CONNECTRONICS
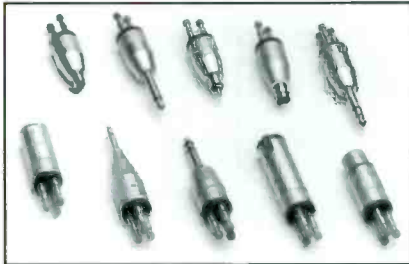
BODGE PLUGS - Emergency Audio Connectors

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 adapter cables can be quickly made in the field without the need of soldering.

BODGE PLUGS	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 adapter.

YC40	BSW Price $139.00

HOSA

Single Audio Cables

Sturdy pre-molded cables carry lifetime warranty against failure due to manufacturer defect.

CRA105	RCA - RCA, 5 ft.	BSW Price $4.25
CRA110	RCA - RCA, 10 ft.	BSW Price $5.50
CRA115	RCA - RCA, 15 ft.	BSW Price $6.50
CPR105	RCA - 1/4", 5 ft.	BSW Price $4.50
CPR110	RCA - 1/4", 10 ft.	BSW Price $6.00
CPR115	RCA - 1/4", 15 ft.	BSW Price $7.00
CPP105	1/4" - 1/4", 5 ft.	BSW Price $4.75
CPP110	1/4" - 1/4", 10 ft.	BSW Price $6.25
CPP115	1/4" - 1/4", 15 ft.	BSW Price $7.25
CSS105	1/4" stereo - 1/4" stereo, 5 ft.	BSW Price $7.00
CSS110	1/4" stereo - 1/4" stereo, 10 ft.	BSW Price $8.00
CSS115	1/4" stereo - 1/4" stereo, 15 ft.	BSW Price $9.00
PXF105	1/4" mono - XLR (F), 5 ft.	BSW Price $12.00
PXF110	1/4" mono - XLR (F), 10 ft.	BSW Price $13.00
PXM105	1/4" mono - XLR (M), 5 ft.	BSW Price $11.00
PXM110	1/4" mono - XLR (M), 10 ft.	BSW Price $12.00
XRF105	XLR (F) - RCA, 5 ft.	B5W Price $11.00
XRM105	XLR (M) - RCA, 5 ft.	BSW Price $10.50
STX105M	XLR (F) - 1/4" TRS, 5 ft.	BSW Price $12.50
STX105F	XLR (F) - 1/4" TRS, 5 ft.	BSW Price $13.00

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	BSW Price $4.00
GPR104	RCA male - 1/4" female	BSW Price $3.50
GPP105	1/4" female - 1/4" female	BSW Price $4.50
GRA101	RCA female - RCA female	BSW Price $3.50
GXX145	XLR female - XLR female	BSW Price $16.00
GXX144	XLR male - XLR male	BSW Price $13.00
GFX132	RCA female - XLR female	BSW Price $14.00
GXM133	RCA female - XLR male	BSW Price $13.00
GXR134	RCA male - XLR female	BSW Price $14.00
GXR135	RCA male - XLR male	BSW Price $13.00
GXP143	RCA - RCA, 15 ft.	BSW Price $12.00
NA4LJ	1/4" female - SPEAKON®	BSW Price $18.50

Order From BSW 4 Different Ways

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 page 159 for credit application) **Shipping charges are based on actual shipping weights so 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 up to $1,000.00, 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.

Equipment Solutions To Keep You Number One

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 to list name of legal entity)

Legal Name and Trade Name			Date	
Street Address		City, County, State	Zip Code	
Billing Address		City, County, State	Zip Code	
Contact Person	Title		Telephone #	
General Manager	President		Fax #	
Nature of Business	# of Years In Business	Type of Business (Circle One) Proprietorship Partnership Corporation Government		

Parent Company

Name	Corp. Bookkeeper	Telephone #	
Address	City, State	Zip Code	
Owners Name	Address	Phone	

Bank References

Name of Bank/Branch	Telephone #	Acct. # (checking)
Account Manager		Acct. # (savings/money market)
Name of Bank/Branch	Telephone #	Acct. # (checking)
Account Manager		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.