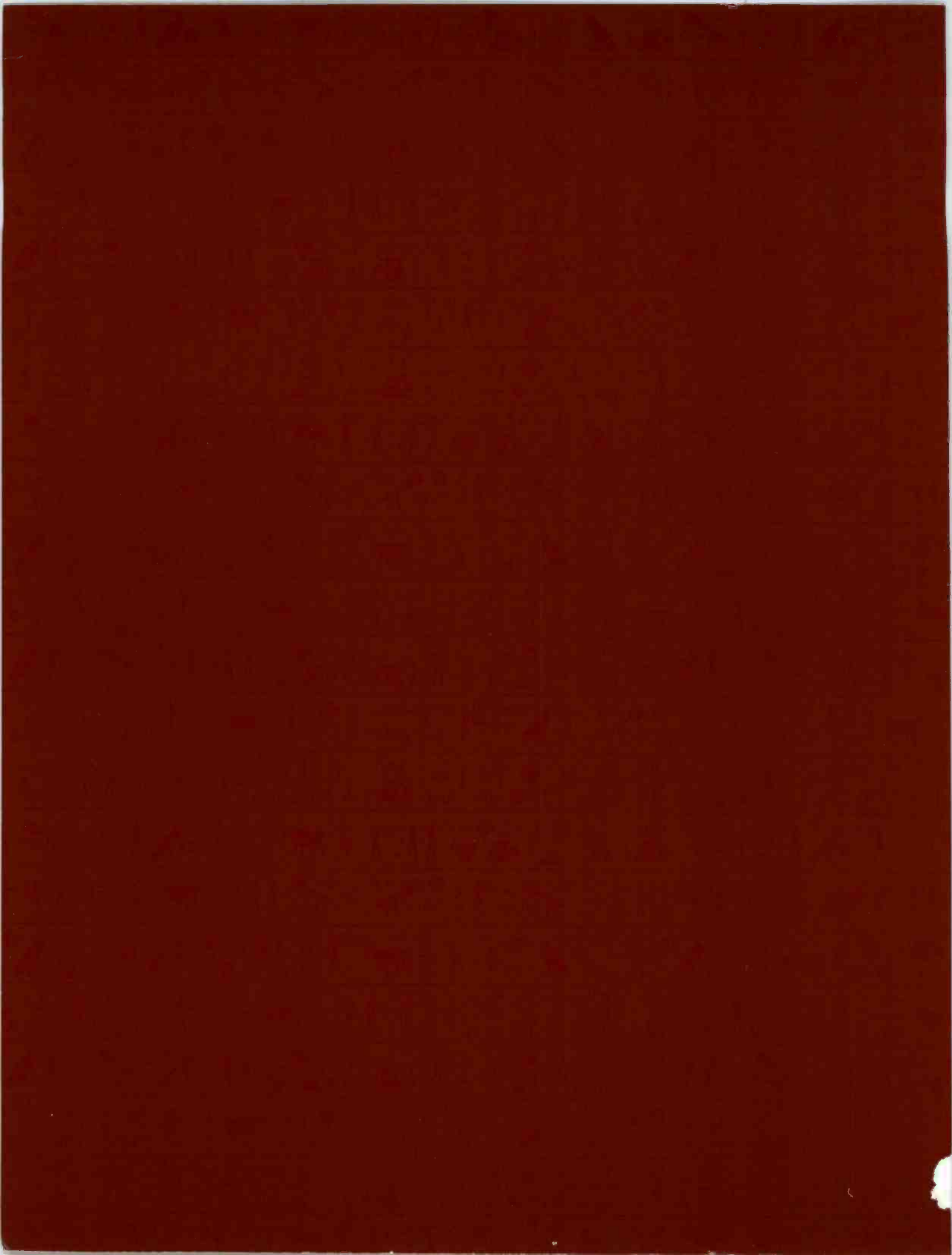# BSW

# 1999 Catalog

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 fill your order. Best of all, we offer low prices on all audio and broadcast equipment.

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

## How to Use This Catalog

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

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

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

## Telephone and Fax Numbers:

| | |
|---|---|
| **Toll Free Phone** | **800.426.8434** |
| Local/Intl. Phone: | 253.565.2301 |
| Toll Free Fax: | 800.231.7055 |
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## Hours of Operation:

Monday Through Friday,
6 AM to 6 PM Pacific Standard Time
9 AM to 9 PM Eastern Standard Time

**BSW**

*BROADCAST SUPPLY WORLDWIDE*

*7012 27th Street West Tacoma, Washington 98466*

# QUICK INDEX

Detailed manufacturer and product listings found on page 175-176

## Congratulations!

You've discovered the world's best source for professional audio products. BSW supplies virtually everything you need to produce professional quality audio – for almost any application. We offer great pricing, excellent service and huge selection.

Below is helpful information to make your experience with BSW the best it can be.

### Order By Telephone, Fax, E-mail or Internet

Call us toll-free at 1-800-426-8434 from anywhere in the United States, Puerto Rico, U.S. Virgin Islands and Canada. International customers, please call us at 253-565-2301. Sales representatives are on duty 6:00 am to 6:00 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 your order to 253-565-8114. As a convenience, we have provided an order form on page 171 that you may photocopy and fax to us.

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

### International Customers Welcome

BSW offers our international customers a number of payment options:

**1.** Prepayment via Checks/Cash/Cashier's Check. Please have funds in U.S. dollars and checks drawn on a U.S. 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.

### We Offer Flexible Payment Terms

To qualified domestic business and educational customers, net 30-day billing is available with approved credit. For your convenience, a credit application is provided on page 172. We also accept Visa, Mastercard, American Express and Discover. Personal checks may be accepted with TeleCheck approval. Limited COD services are available to BSW business customers only. COD service is available on inventory items only. Please check with your sales representative for further details.

### 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. Also, you may visit our website at www.bswusa.com which includes hot links to many of the manufacturers we represent. Specifications should be verified prior to ordering, as they do change without notice.

### Customized Shipping to Meet Your Needs

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

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

### BSW Return Policy

BSW strives to provide its customers with the very best in professional audio equipment and service. We go to great lengths to ensure that your order is correctly filled in a quick and concise manner; however, an occasional error may occur. In these situations, BSW stands ready to correct the problem and work with you to resolve the situation in a timely manner. BSW cannot assume responsibility, however, for delays or errors caused by manufacturers or others in the course of doing business.

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

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

If a return of any equipment is deemed necessary, please **contact our customer service department immediately** at 800-426-8434 or 253-565-2301, or fax 253-565-8114. Phone hours are between 6:00 am and 6:00 pm Pacific Standard Time. After hours or on weekends you may e-mail us at custserv@bswusa.com. Our customer service staff will give you a Return Authorization (RA) number. Return Authorizations expire 10 days from the date of issuance. Expired return authorizations will not be accepted, and must be reinstated prior to being processed.

For your convenience, complete return instructions, including return shipping labels, are included on the back of all BSW packing lists. Please contact your sales representative or BSW customer service for additional information.

### Other Items of Note

BSW is not responsible for typographical errors. 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.

| | | |
|---|---|---|
| 2BLPRO | 60 watts/chan. @ 8 ohms | Mfr. List $995.00 |
| 3BSTPRO | 120 watts/chan. @ 8 ohms | Mfr. List $1,695.00 |
| 4BSTPRO | 250 watts/chan. @ 8 ohms | Mfr. List $2,350.00 |

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

### CE SERIES - Power Amplifiers

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

| | | |
|---|---|---|
| CE 1000 | 275 watts/chan. @ 8 ohms | Mfr. List $700.00 |
| CE 2000 | 400 watts/chan. @ 8 ohms | Mfr. List $1,000.00 |

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 $1,495.00 |
| MA1200 | 310 watts/chan. @ 8 ohms | Mfr. List $1,795.00 |
| MA2400 | 520 watts/chan. @ 8 ohms | Mfr. List $2,245.00 |

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 |

Call For BSW Prices

## HAFLER

### P SERIES - Power Amplifiers

Features (P1000): single rack space; 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 | $569.00 |
| P1500 | 7S watts/chan. @ 8 ohms | Mfr. List | $599.00 |
| P3000 | 1S0 watts/chan. @ 8 ohms | Mfr. List | $779.00 |

**Call For BSW Prices**

## MACKIE

### M1400i - Power Amplifier

The M1400i delivers excellent sound quality, reliability under extreme conditions and watts-per-dollar value. Features: front panel level controls; T-design constant gradient fan cooling; sustained ultra-low impedance capability; built-in sweepable constant directivity horn compensation; built-in sweepable high-pass filter; built-in switchable low-pass subwoofer cross-over; flat response over a wide frequency range (+0/-3 dB from 10 Hz to 80 kHz and full power capability to 100 kHz); fast recovery from clipping via Baker Clamp circuits; quiet cooling fan; low distortion (THD is only .012% at 8 ohms 20 Hz-20 kHz); balanced/unbalanced XLR and TRS inputs with balanced XLR thru connectors; 5-year warranty.

M1400i  2S0 watts/chan. @ 8 ohms   Mfr. List $599.00   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**

## QSC

### PLX SERIES - Power Amplifiers

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

| | | | |
|---|---|---|---|
| PLX1202 | 200 watts/chan. @ 8 ohms | Mfr. List | $798.00 |
| PLX1602 | 300 watts/chan. @ 8 ohms | Mfr. List | $1,198.00 |
| PLX2402 | 42S watts/chan. @ 8 ohms | Mfr. List | $1,498.00 |
| PLX3002 | SS0 watts/chan. @ 8 ohms | Mfr. List | $1,798.00 |

**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 $429.00   Call For BSW Price

## TASCAM

### PA-20MKII/PA-150 - Power Amplifiers

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

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

| | | | |
|---|---|---|---|
| PA20MKII | 2S watts/chan. @ 8 ohms | Mfr. List | $250.00 |
| PA150 | 80 watts/chan. @ 8 ohms | Mfr. List | $399.00 |

**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 $1,199.00 | Call For BSW Price |

# ATI



## DDA SERIES - Digital Distribution Amplifiers

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

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

**Call For BSW Prices**

# AUDIOARTS



## SDA8400 - Distribution Amplifiers

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

| | | |
|---|---|---|
| SDA8400 | Mfr. List $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**

* Non-inventory item subject to return restrictions.

## GRAHAM-PATTEN



### DA-14 - Digital Distribution Amplifier

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

| | | |
|---|---|---|
| *DA14A (XLR out) | Mfr. List $399.00 | Call For BSW Price |
| *DA14B (BNC out) | Mfr. List $399.00 | Call For BSW Price |

## HENRY ENGINEERING



### U.S.D.A. - Distribution Amplifier

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

| | | |
|---|---|---|
| USDA | Mfr. List $195.00 | Call For BSW Price |

## RDL



### RU-SERIES - Distribution Amplifiers

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

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

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

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

| | | |
|---|---|---|
| RUDA4D | dual 1x4 or mono 1X8 DA | Mfr. List $231.00 |
| RUUDA4 | dual 1x4 DA | Mfr. List $158.00 |
| RUBDA3 | 1x3 balanced I/O DA | Mfr. List $223.00 |
| RURA3 | 3-unit rack adaptor | Mfr. List $29.00 |
| PS24A | 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 |

## SYMETRIX



### 305 - Distribution Amplifier

A quality, affordable 1 input and 4 output mono distribution amplifier. **Features:** euroblock terminal connectors for quick installation; precision circuitry yields THD +Noise less than .009%; four-segment LED input level meter; input trim pots for input and output volume attenuation.

| | | |
|---|---|---|
| 305 | Mfr. List $199.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## APHEX



### 2020 FM PRO - Digital FM Audio Processor

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

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

**Call For BSW Prices**

## CRL



### DP100 - Digital Audio Processor

The DP100 offers 100% digital signal processing for FM applications. Features: all-digital gated AGC, 5-band compressor, multiband limiter and graphic equalizer; supplied factory presets; memory locations for custom presets and 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.sde77 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; on-board 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.

| | | |
|---|---|---|
| DP-100 | 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



### 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. Its perfect 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.

| | | |
|---|---|---|
| DIV2 | Mfr. List $1,195.00 | Call For BSW Price |

# DOS AMIGOS

The AMIGO series from CRL is your answer when you want great sounding processing at an affordable price.



## AMIGO FM

- A Complete Processing System Including AGC, Multi-Band Limiting, and Stereo Generator
- Dual Band AGC with more than 25 dB of Range
- Tri-Band Pre-Emphasis Limiting with High Protection Low-Pass Filters
- Digitally Synthesized Stereo Generator with more than 50 dB of Separation
- Includes Both L/R Audio and Low Z Stereo Outputs

The AMIGO FM is a compact but powerful FM Stereo processing system. The AMIGO FM has a wide range dual band AGC, followed by a full tri-band Limiter. Precise high protection audio low-pass filters ensure excellent cross-talk immunity. The digitally synthesized stereo generator provides over 50 dB of drift free separation. Selectable bass boost and stereo sound-field enhancement circuitry are included.

The value packed AMIGO FM is a popular replacement/upgrade for the 8000, and 8100 processors. The AMIGO FM is easy to set up, and works great on any format.



## AMIGO AM

- A Complete Processing System for AM Stereo and Mono Applications
- Dual Band AGC with more than 25 dB of Range
- Full Tri-Band Matrix Limiter with Mono Gain Support, and NRSC-1 Audio Filtering
- Stereo Sound-Field Enhancement Circuitry
- Dual Outputs: One Stereo, One Mono

The AMIGO AM is a complete processing system for mono and stereo stations. The AMIGO AM contains a dual-band AGC followed by a tri-band Matrix Limiter. Our exclusive mono gain support circuitry provides up to 6 dB better envelope modulation for stereo broadcasts. Full NRSC-1 Audio Low Pass filtering is included. The AMIGO AM also includes bass, midrange, and high equalizers, plus our exclusive stereo sound-field enhancement circuitry.

The AMIGO series offers your station a great sound at a great price. Contact your BSW Sales Representative for more information on the Amigo series, and CRL's complete line of radio audio processing products.

## CUTTING EDGE



### OMNIA - Family of Audio Processors

Omnia.fm is a complete digital 4-band FM processor with digital stereo encoder. It utilizes an advanced design philosophy to provide extraordinary sonic performance with maximum control flexibility.

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 plus a selectable composite clipper. External control is via local serial RS-232 or modem. 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.fm.jr is a lower priced, 3-band all-digital FM processor. All other features are identical to the Omnia.fm, including digital I/O and digital stereo generator and you may upgrade to Omnia.fm at any time.

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

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

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

| | | |
|---|---|---|
| Omnia | FM, 4-band AGC/limiter processing | Mfr. List $8,200.00 |
| Omniajr | FM, 3-band limiter processing | Mfr. List $4,500.00 |
| Omniaam | AM broadcasting | Mfr. List $4,750.00 |
| Omnianet | Internet webcasting | Mfr. List $3,800.00 |
| Omniadab | DAB applications | Mfr. List $8,200.00 |

Call For BSW Prices

## INOVONICS
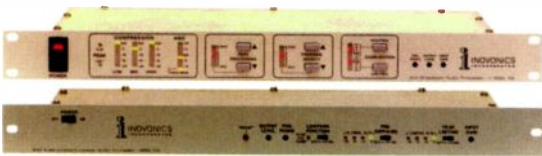


### 235-00/222-00 - AM NRSC Broadcast Processors

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

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

| | | |
|---|---|---|
| 23500 | Mfr. List $1,800.00 | Call For BSW Price |
| 22200 | Mfr. List $620.00 | Call For BSW Price |

## INOVONICS



### 716-00 DAVID II - FM Stereo Processor/Generator

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

| | | |
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| 71600 | Mfr. List $1,985.00 | Call For BSW Price |



### 708-00 - Digital Synthesis FM Stereo Generator

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

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

## MODULATION SCIENCES



### CP803 - Composite Processor

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

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| 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. Specify 67 kHz or 92 kHz subcarrier when ordering. Balanced screw barrier inputs; BNC composite input; BNC telemetry input; BNC RF input; BNC composite output; BNC SCA output.

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

* Non-inventory item subject to return restrictions.

# LISTEN

**W**hen you hear the Omnia.fm, you'll know why broadcasters the world over choose it: Sound that's as smooth and fluid as analog, with absolutely none of the digital grunge you hear in other digital processors.

So what's digital grunge? Artifacts caused by aliasing distortion in yesterday's processors that lack the Omnia's 48kHz sampling, 192kHz virtual upsampling and unique anti-aliasing final limiter. In the FFT analyses shown below, you can actually see the grunge as well as its absence in the Omnia.

To hear the difference for yourself, contact your Omnia dealer and get your risk-free, 60-day demo*.



**OMNIA.FM 12.5kHz SPECTRUM**



**OPTIMOD® 8200 12.5kHz SPECTRUM**
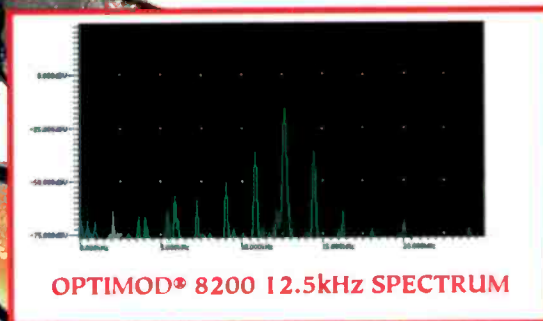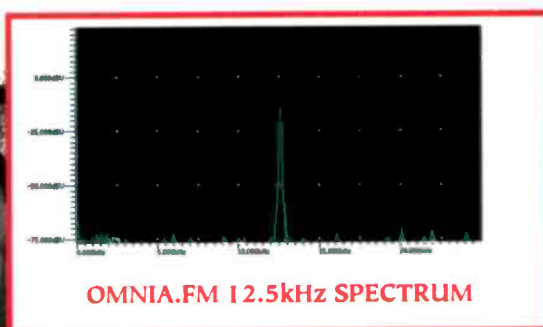
*Here's how: The test results were obtained with a Hewlett-Packard Audio Test Set, Model 339A; the audio processor under test; and Rapid Systems R1200 Data Acquisition System for FFT analysis. The processors were set for 75µs pre-emphasis, and were carefully adjusted so the input levels were within the normal range of operation. The unit under test was fed a 12.5kHz test tone using the analog inputs. The discrete left channel analog output was connected to the FFT analyzer input.*

*That's it. No tricks, no disclaimers about the test working only in our trade show booth or only in our lab, under the most arcane, non-real-world test conditions. In fact, you can duplicate the test results yourself in your own shop. Don't have an FFT analyzer? No problem. Just use an oscillator and your ears –you can clearly hear the birdies in the old processor! Of course, this isn't about test tones; it's about music. And Fourier theory says that music–whether it's rap, oldies, urban, country, and yes, even grunge–can be represented as a combination of sine waves. Imagine what this kind of aliasing distortion can do to complex musical signals!*

*Here's why: The Omnia.fm utilizes 48kHz sampling for dynamics processing and virtual upsampling at 192kHz for the final limiter, which is a unique, anti-aliasing design. The test used version 1.02 software and the 'Cranked' preset, which is the Omnia's most aggressive stock setting. The Orban® Optimod® 8200 used for testing operates at 32kHz sampling for the dynamics processing and incorporates (4x) 128kHz upsampling for the clipping/low-pass filtering function. The test used version 3.0 software and the 'Urban/Rap-Dense' preset, which is the Optimod's most aggressive stock setting. Aliasing will occur with input signals above 5kHz in 32kHz FM broadcast audio processors unless mechanisms that cause aliasing are eliminated.*

*For a complete technical report, call us for a copy of our paper entitled "Omnia.fm: An Engineering Study." Or visit our web site at: www.nogrunge.com.*

## CUTTINGEDGE

## ORBAN



### 8200 OPTIMOD™ - FM Digital Audio Processor

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

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

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| 8200U3S | five band processing structure | Mfr. List | $10,400.00 |
| 8200D/32 | digital input/output card | Mfr. List | $725.00 |
| 8200DSRC | digital I/O with sample rate conversion | Mfr. List | $1,550.00 |
| 8208U | digital stereo encoder with limiter | Mfr. List | $1,975.00 |
| 8200UPG353.0 | software upgrade to V. 3.00 | Mfr. List | $350.00 |

**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.

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



### 2200 OPTIMOD™ - FM Digital Audio Processor

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

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

## ORBAN



### 8218 - FM Stereo Encoder/Generator with Limiter

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

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



### 9200 OPTIMOD™ - AM 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.

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

**Call For BSW Prices**
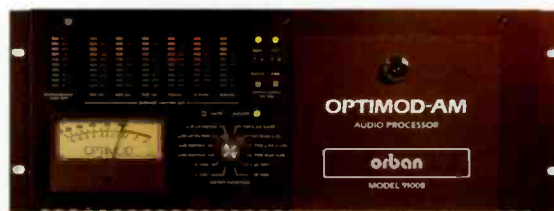


### 9100B OPTIMOD™ - AM Audio Processor

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, natural sound and freedom from processing artifacts, yielding an FM-like sound on all types of receivers. NRSC compliant. Balanced barrier strip I/O.

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| 9100B1/U10 | AM mono | Mfr. List $4,950.00 | **Call For BSW Price** |
| 9100B2/U10 | AM stereo | Mfr. List $6,650.00 | **Call For BSW Price** |

## QEI
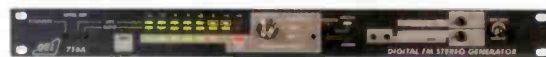


### 710A - Digital FM Stereo Generator

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

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

* Non-inventory item subject to return restrictions.

# A challenge from the greatest critic of the OPTIMOD-FM 8200 - the guy who invented it.

**ON AIR**

**"Version 3.0 is more than an upgrade. It can take your station's signature to the next level of competitive sound. Listen to it side by side with any audio processor in existence; then, let me know what you think. Good or bad, every e-mail sent to me will be answered by me, personally. bob@orban.com."**

**BOB ORBAN** is known for his critical ears. In the seven years since we introduced OPTIMOD-FM 8200, perhaps no one has logged more hours listening to the best and worst in digital audio processing. Even critics have called his knack for creating louder, punchier, artifact-free sound "a gift." But make no mistake. With 30 years of experience in audio, it's Bob Orban's expertise that is written into every layer of the new Version 3.0 software. It gives you a level of audio technology that no other processor in existence can match.

## NOTHING IS NEWER.

Version 3.0 software adds five new features to OPTIMOD 8200's proven digital platform. With thousands of users and millions of on-air hours to draw on, Orban's team knew exactly how to take your station's audio to the next level. 21 new presets dramatically expand your options to create a superior competitive sound. Sonic "color" controls now allow you to fine-tune tonal balance to precisely target your desired audience. Tweak the band output mix controls to add sizzle, bring vocals up front, or mellow out instrumentals. Raise the bass clipper threshold to create a more solid bass punch for urban and dance formats. Toggle Phase Rotation on/off to minimize distortion or improve music transparency. Open up the highs to effectively remove any hint of what has erroneously been called "digital grunge."

## NOTHING SOUNDS BETTER.

Cut to cut, spot to spot, announcer after announcer, nothing delivers a more consistent sound than the new Version 3.0 software. Which means that hour after hour your station's signature sound remains true to your audience's preference. The dynamic, musical presentation never fatigues listeners. Every minute you're on the air, you achieve a unique sound that brands your station with a distinct presence in the market. Loud. Clean. Clear and Punchy. Side by side, no other processor delivers higher quality sound or requires fewer hassles to achieve it.

## DIGITAL PROCESSING DONE RIGHT.

After seven years of listening, tweaking and non-stop critiquing, we've confirmed what you've known all along: the biggest news in FM digital processing is still OPTIMOD-FM 8200. OPTIMOD integrates perfectly into any industry-standard STL and transmitter environment—no exciter modifications or non-standard connections are necessary. It achieves tight peak control without composite clipping that trashes subcarriers. In short, it delivers elegant, professional engineering—not junk science or marketing spin. In the words of one of the most critical ears in radio, "don't believe everything you hear." Listen for yourself.

## UPGRADE NOW.

In a matter of minutes you can upgrade the 8200 to the newest, best-sounding, best-performing audio processor in radio. Call your Orban dealer for details. Visit our website for more information. And e-mail Bob to let him know what you think.

**orban**

H A Harman International Company

**V3.0**

## EVENTIDE

### BD500 - Digital Broadcast Delay

From the inventors of the digital talk show delay, comes an affordable solution for keeping profanities off the air. Features: Eventide's patented automatic catch-up circuitry; a user definable function to divide the total available delay time into several discrete segments to protect against multiple obscenities that occur in succession; "cough" button momentarily edits audio entering the delay, 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.

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| *BD500-000 | | Mfr. List $3,395.00 |
| *BD500-100 | w/ AES/EBU digital I/O option | Mfr. List $4,690.00 |
| | Call For BSW Prices | |

### BD941/BD942 - Broadcast Delays

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

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

## SYMETRIX

### 610 - Broadcast Profanity Delay

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

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

## RANE

### AVA22 - Audio/Video Alignment Delay

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

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| *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. Smart circuitry does not over-enhance; does not affect mono mic sources. Works with all on-air audio processing units. Balanced XLR I/O.

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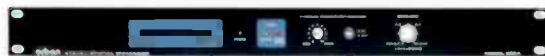
## ORBAN

### 222A - Stereo Spatial Enhancer

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

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| 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.

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

* Non-inventory item subject to return restrictions.

# THE **ENTIRE** HISTORY OF **VOICE PROCESSING** **INNOVATION**

## 528E Voice Processor

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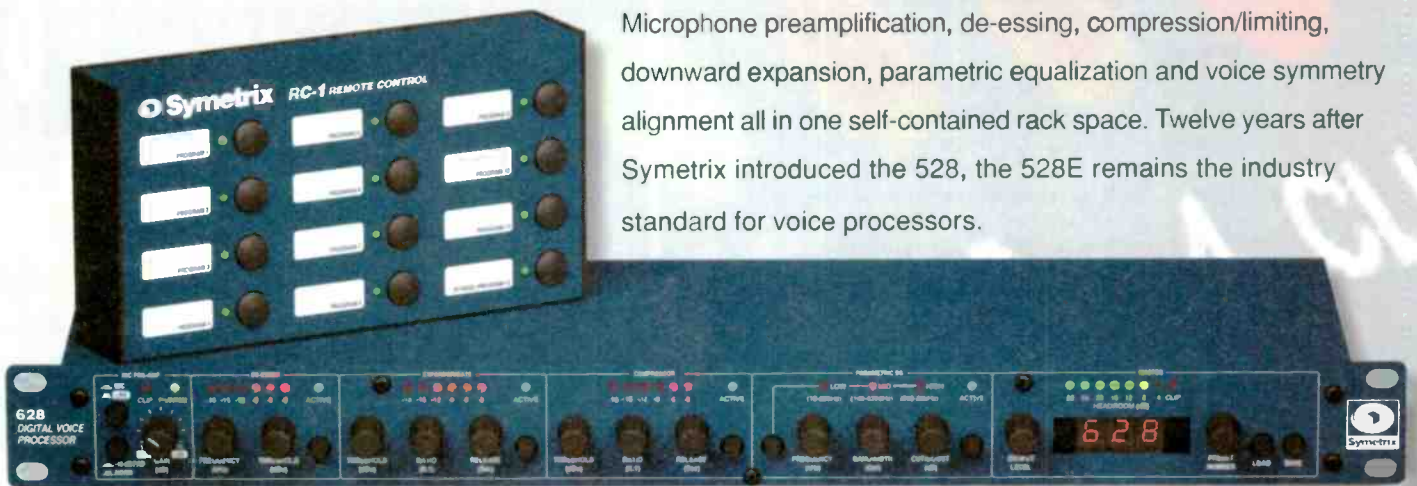
## 628 Digital Voice Processor

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

## Voice Processing Excellence for Broadcast and Production

# ⟲ Symetrix

## 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 |

## ART



### Tube Channel - Mic Processor

The Tube Channel includes a tube mic preamp, an optical compressor and a four-band, tube-based parametric EQ in a single rack-space unit. The award-winning preamp offers over 60 dB of gain, +48v phantom power and a 20 dB pad. Features: tube-based microphone/line recording channel; smooth and transparent sound quality; independent input and output level controls; EQs provide selectable high and low shelving filters with two mid-bands which sweep from 20 Hz to 20 kHz; insert points between each of the three processing sections; VU level meter; tube character and gain reduction LED arrays; balanced XLR and unbalanced RCA I/Os; 3-year warranty.

| 259 (TubeChannel) | Mfr. List $499.00 | Call For BSW Price |

## DBX



### 286A - Mic Processor

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

| 286A | Mfr. List $349.95 | Call For BSW Price |



### 1086 - Mic Processor

The 1086 features an ultra low-noise, extended headroom mic preamp with classic dbx processing. Features: mic pre with +48V phantom power, a 20 dB pad as well as a phase invert switch; VU meter; mic pre "out" connectors (1/4" and XLR) on the rear panel so the mic preamp can be used independently of any other processing; variable low-cut filter and unique low and high detail EQ controls; de-esser with variable control for both threshold and frequency settings; expander/gate and limiter; analog to digital processing; balanced XLR and 1/4" I/O; AES/EBU and S/PDIF digital outputs.

| 1086 | Mfr. List $749.95 | Call For BSW Price |

## RANE



### VP12 - Mic Processor

The VP12 is a mic or line level voice processor that incorporates a mic preamp stage and comprehensive dynamic processing with EQ. Features: 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; de-esser provides effective sibilance control; expander/gate and compressor; two bands of parametric EQ, each with 20 kHz bandwidth.

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

## SYMETRIX



### 528E - 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; front panel mic/line level switch; 48 volt phantom power; voice symmetry switch (phase rotator) that corrects for excessive positive or negative signal peaks; de-essing with frequency and range controls; compression/limiting with downward expansion; 3-band parametric equalization. Balanced XLR mic and line level inputs; balanced XLR and unbalanced 1/4" outputs; 1/4" in and out patchpoints on each section.

| 528E | Mfr. List $749.00 | Call For BSW Price |



### 628 - 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. Features: high-gain direct coupled mic preamp with phantom power; easy operation; precise parameter adjustment with rotary knobs; 128 processing presets including 8 factory presets; 20-bit A/D and D/A converters; mic and line level inputs; AES/EBU and S/PDIF digital output; balanced XLR and unbalanced 1/4" analog outputs; MIDI in/out. Options: remote preset controller.

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

## VALLEY AUDIO



### 401- Mic Processor

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

| 401 | Mfr. List $680.00 | Call For BSW Price |

# 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.

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| 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.

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| 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 - Compressors/Limiters

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

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

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| 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.

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

# ART

### PRO VLA - Leveling Amplifier

The Pro VLA (Vactrol tube-based Leveling Amplifier) offers two independent channels of optical 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.

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| *256 PRO VLA | Mfr. List $649.00 | Call For BSW Price |

### DUAL LEVELAR - Tube Compressor/Leveling Amplifier

This dual channel processor offers optical 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.

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| 256 DUAL LEVELAR | Mfr. List $349.00 | Call For BSW Price |

# DBX

### 160SL - 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.

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| *160SL | Mfr. List $2,799.95 | 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 very easy to read and operate; sidechain input for ducking and frequency dependent limiting; balanced inputs and outputs with XLR and 1/4" connectors.

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



### 166XL - Compressor/Limiter/Expander/Gate

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

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



### 266XL - Compressor/Gate

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

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



### 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



### ACP88 - Eight Channel Compressor/Limiter/Gate

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

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



### ACP22 - Compressor/Limiter

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

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



### BLUEMAX - Compressor/Limiter

Presonus BLUEMAX is a smart stereo compressor/limiter with 15 studio 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).

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| 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; sidechain inputs and outputs for ducking and de-essing; dual mono or linked stereo operation; balanced XLR and unbalanced 1/4" I/O.

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| 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. The 422 is an excellent remedy to inconsistencies between commercials and other program material for TV stations, cable systems and automated radio stations. It also helps maintain higher average recording levels and prevents overloading the inputs of digital production systems. **Features:** target level control for easy setup; parallel input and output LED ladder metering; remote bypass port; balanced or unbalanced I/O via XLR and TRS connectors.

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| 422 | **Mfr. List $599.00** | **Call For BSW Price** |

### 565E - Compressor/Limiter/Expander

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

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| 565E | **Mfr. List $399.00** | **Call For BSW Price** |

## SYMETRIX

### 501 - Compressor/Limiter

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

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| 501 | **Mfr. List $429.00** | **Call For BSW Price** |

### 301 - Low Distortion Compressor/Limiter

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

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| 301 | **Mfr. List $249.00** | **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.

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| 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.

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

## APHEX

### 109 - Equalizer "Tube"

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 +15 dB boost/-15 dB cut, frequency adjust (low-mid 20 Hz-2 kHz or mid-high 200 Hz-20 kHz), bandwidth control (1/6 to 2 octaves); switchable -10 dB/+4 dB; balanced TRS I/Os.

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

## RANE

### PE17 - Parametric Equalizer

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

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| **PE17** | Mfr. List $549.00 | **Call For BSW Price** |

### ME60 - Dual Channel 1/3-Octave Graphic Equalizer

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

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| ME60 | Mfr. List $699.00 | **Call For BSW Price** |

### 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 balanced XLR or 1/4" TRS connectors.

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| 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 with adjustable roll-off and high-cut functions; 5 segment LED metering; inputs and outputs are balanced XLR or unbalanced 1/4" phone jack.

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| 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 precise control; balanced XLR and TRS I/O; internal power supply. The 531E is a 2RU, mono 31-band unit with 60mm faders. The 532E is a dual 31 band with 20mm faders and the 533E is dual 31-band with 45mm faders in a 3RU chassis.

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

### 551E/552E - 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 1/4" TRS connectors.

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

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

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

## SABINE

### FBX SERIES - Feedback Reduction Systems

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

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

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

**Call For BSW Prices**

## YAMAHA

### GQ SERIES - Graphic Equalizers

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

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

**Call For BSW Prices**

## ALESIS

### Q20 - 20-Bit Digital Effects Processor

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

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| Q20 | Mfr. List $999.00 | Call For BSW Price |

## ALESIS

### MICROVERB 4 - Digital Effects Processor

The MicroVerb® 4 is an easy-to-use, true stereo, 18-bit effects 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.

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| MICROVERB4 | Mfr. List $299.00 | 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 which 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 cascade mode for combining effects; auto level sensing inputs; unbalanced 1/4" I/O.

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| MIDIVERB4 | Mfr. List $399.00 | Call For BSW Price |

### NANOVERB - Digital Effects Processor

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

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

## ART

### DMV-PRO - Dual Digital Effects Processor

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

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| 416 DMVPRO | Mfr. List $499.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## APHEX



### 104 - Type C² Aural Exciter

The 104 is Aphex's newest generation Aural Exciter in an affordable package. **Features:** 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 |
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### 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 |
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## BOSS/ROLAND



### VT-1 - Voice Transformer

Actually change the entire character of your voice with the Boss (Roland) VT-1. Easy-to-use controls let you change your voice to sound like the opposite sex, robots, chipmunks and 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 |
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## DIGITECH
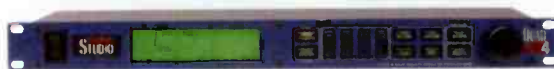


### QUAD 4 - Digital Effects Processor

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

| QUAD4 | Mfr. List $479.95 | Call For BSW Price |
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## EVENTIDE



### H3000B 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/E 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 95 seconds stereo sampling time. All units include balanced XLR I/O.

| *H3000BLT | w/o variable speed control | Mfr. List $2,495.00 |
|-----------|----------------------------|---------------------|
| *H3000B+ | w variable speed control | Mfr. List $2,995.00 |
| *H3500BDFXE | 95 seconds stereo sampling | Mfr. List $4,095.00 |

**Call For BSW Prices**

## LEXICON



### MPX-100 - Multi-Effects Processor

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

| MPX100 | Mfr. List $249.00 | Call For BSW Price |
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### PCM81/PCM91 - Digital Effects Processors

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

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

* Non-inventory item subject to return restrictions.

## SONY

### DPS-V55 - Multi-Effects Processor

This top-quality multiprocessor features the same high quality DSP engine of the renowned DPS-V77, backed with an even broader range of algorithms. **Features:** 4-channel construction offering the flexibility to route the input signals in a variety of configurations; easy dial-up access to 45 different effect algorithms; 20-bit A/D and D/A converters; large memory bank featuring 200 factory presets and 200 slots to store your own creations: effects such as reverbs, chorus, doppler, delay, reflection, limiter, ping pong, gate, stereo panner, de-esser and combinations; search function lets you locate certain presets by specifying the type of effect; "Tap" function lets you adjust selected parameters simply by tapping on the Enter button; MIDI I/O; 4 mono (or 2 stereo) unbalanced 1/4" I/Os with consumer and professional level controls (-10 dBu/+4 dBu).

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| DPSV55 | Mfr. List $550.00 | **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 8 dB (at full effect). **Features:** integrated compressor; LED indicators; balanced XLR and TRS I/Os.

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| *9526 | Mfr. List $699.00 | **Call For BSW Price** |

## YAMAHA

### PROR3 - Digital Reverberator

The ProR3 excels with 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.

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

## YAMAHA

### 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.

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| REV500 | Mfr. List $499.00 | **Call For BSW Price** |

### 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.

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| 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; use 1 to 5 effects at once; unbalanced 1/4" analog I/O with simultaneous digital I/O.

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| 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** |

* Non-inventory item subject to return restrictions.

## AUDIOLAB

### TD5/TD1B - High Energy Tape Degausser; Bulk Eraser

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

TD1B erases cassettes, cartridges and up to 10 1/2" reels. Automatic thermal protection to avoid burn-out.

| | | |
|---|---|---|
| TD511560 120 volt | Mfr. List $1,695.00 | Call For BSW Price |
| TD523060 220 volt | Mfr. List $1,795.00 | Call For BSW Price |
| TD1B | Mfr. List $145.00 | Call For BSW Price |

## FIDELIPAC

### 400/395/ESD10 - Bulk Eraser; Eraser/Splice Finder

The Fidelipac 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, lightweight and has thermal protection. Perfect for erasing cartridges and cassettes.

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

| | | |
|---|---|---|
| 400 | Mfr. List $200.00 | Call For BSW Price |
| 395 | Mfr. List $100.00 | Call For BSW Price |
| *ESD10 | Mfr. List $1,390.00 | Call For BSW Price |

## GENEVA

### PF211 - Bulk Eraser

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

| | | |
|---|---|---|
| PF211 | Mfr. List $89.98 | Call For BSW Price |

## SONAR

### VX1401 - Bulk Eraser

For audio tape degaussing, the VX1401 from Sonar offers outstanding value. Use 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

DL series machines are constructed with top quality components and can stand up to the daily grind of broadcast production and on-air playback.

**Playback Features:** replay lockout; 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 and LED level indicators.

**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 cinch-type connectors.

| | | |
|---|---|---|
| *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 |

Call For BSW Prices

## FIDELIPAC

### CTR10 SERIES - Cart Machines

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

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

Call For BSW Prices

### DCR10 - Digital Cart Machine

The Dynamax DCR10 digital recorder/player is a low-cost reliable replacement for the successful Fidelipac "cart" machines and is available for use with hard disk, ZIP disk or magneto-optical disk drives.

| | |
|---|---|
| *DCR10 | Price based on configuration |

## 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 inputs and outputs.

| | | |
|---|---|---|
| **DN790R** | Mfr. List $1,000.00 | **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** |



### 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** |

### For Blank Cassettes Call BSW
### For Cassette Care Products See Page 30

## MARANTZ



### PMD501/502 - Professional 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 $429.00 |
| 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 allowing multiple units to be linked together for long playback and recording applications. Features: fine speed adjust; auto bias; loop through outputs; high speed (2X) recording; overlap series recording; one-touch record pause; timer activated record/play; auto rewind; record mute; record balance control; 25 pin D-sub remote control port; Marantz RC5 remote control port; Dolby B/C/HxPro noise reduction; unbalanced RCA I/O; optional wired remote control (WRC200).

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; 2 tape heads; 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.

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**

## SONY



### TCW-R565RM - Cassette Deck

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

| | | |
|---|---|---|
| TCWR56SRM | Mfr. List $320.00 | **Call For BSW Price** |

## 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.

| | | |
|---|---|---|
| 122MKIII | Mfr. List $1,460.00 | **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, RCA inputs and outputs; optional balanced XLR I/O kit.

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

## 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 $399.00 | **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 $760.00 | **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 $575.00 | **Call For BSW Price** |

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

## TEAC



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

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

| | | | |
|---|---|---|---|
| W860R | dual auto-reverse cassette deck (dual record) | Mfr. List | $299.00 |
| W790R | dual auto-reverse cassette deck (single record) | Mfr. List | $219.00 |
| RM860 | rack mount kit | Mfr. List | $29.00 |

**Call For BSW Prices**



### V-377/W-416 - Cassette Decks

These consumer cassette machines offer good sound quality for a low price. **Features:** hard permalloy record/playback heads; Dolby B NR, 2-color LED level meter; 3-position tape selector; auto stop. The V-377 is a single-well 2-head machine. The W-416 is a dual-well (one record/play, one play) machine with continuous playback. Optional RK2 rack kit.

| | | | |
|---|---|---|---|
| V377 | single deck | Mfr. List | $119.00 |
| W416 | dual deck | Mfr. List | $139.00 |
| RK2 | rack kit | Mfr. List | $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.

| | | | |
|---|---|---|---|
| RSTR373 | dual deck (2 heads, 1 head) | Mfr. List | $199.95 |
| RSTR575 | dual deck (2 heads each deck) | Mfr. List | $249.95 |
| RK4 | rack kit | Mfr. List | $40.00 |

**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; variable-speed; 3-position mic attenuation; line input and output jacks; cue and review; volume and tone control; automatic or manual record level. The PMD201 is a mono 2 head machine. Both the PMD221 and PMD222 feature 3 heads for confidence monitoring. PMD222 features an XLR mic input.

The PMD101 is a slightly scaled-down version of PMD201, yet it offers all of the necessary features of a great professional field recorder. **Features:** built-in speaker; electret condenser mic; normal or 1/2 speed operation; ±20% pitch control on playback; external mic input; line in/out; sturdy metal chassis. Does not include a VU meter, the RJ11 output jack, or adjustable mic level (utilizes built-in AGC). AC adapter 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 adapter | Mfr. List | $40.00 |
| DA36 | AC adapter for PMO101 | Mfr. List | $13.00 |
| KEB20 | nylon carrying bag w/ extra storage | Mfr. List | $24.95 |
| IC6 | mic adapter cable for PMD201/221 | Mfr. List | $25.00 |

**Call For BSW Prices**

## PANASONIC



### 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 adapter/re-charger and rechargeable batteries); mini jack mic input.

| | | |
|---|---|---|
| **RQL349** | Mfr. List $59.95 | **Call For BSW Price** |

## SONY



### TCD5 PROII - Portable Cassette Recorder

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

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|---|---|---|
| **TCD5PROII** | Mfr. List $1,395.00 | **Call For BSW Price** |

## TASCAM



### T-3000 - Cassette Duplicator

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

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

## CASSETTE ACCESSORIES



### A.R.T. K-151 - Cassette Cleaner/Demagnetizer Kit

Regular cleaning and demagnetizing of tape heads helps maintain full frequency response. The K-151 care kit includes a cassette cleaner with a 1/2 oz. bottle of cleaning fluid and an electronic demagnetizer in a durable plastic case.

| | | |
|---|---|---|
| **K-151** | Mfr. List $24.00 | **Call For BSW Price** |

## CD ACCESSORIES



A.



B.



C.



D.



E.



F.

**A. BSW CDBOX** - CD Jewel Case

Standard size replacement for broken cases.

| | |
|---|---|
| CDBOX | Mfr. List $0.80 |

**B. DISCWASHER FG1112** - CD Cleaner

Rotary-action cleaner with fluid.

| | |
|---|---|
| FG1112 | Mfr. List $19.95 |

**C. DISCWASHER FG1107** - Laser Lens Cleaner

Includes fluid and replacement pad.

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| FG1107 | Mfr. List $19.95 |

**D. DISCWASHER FG1163** - CD Repair Kit

Includes fluid, polish, applicators and wipes to remove scratches.

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| FG1163 | Mfr. List $10.95 |

**E. GENEVA PF416** - CD Cleaning Spray

Convenient spray for use with soft cleaning cloth. 1 oz. bottle.

| | |
|---|---|
| PF416 | Mfr. List $7.49 |

**F. GENEVA PF425** - CD Cleaning Wipes

No-nonsense, easy-to-use tissues in fluid. 70 per container.

| | |
|---|---|
| PF425 | Mfr. List $8.99 |

**Call For BSW Prices**

\* Non-inventory item subject to return restrictions.

## 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. Options: rack kit available.

| | | |
|---|---|---|
| AD500 | Mfr. List $389.00 | Call For BSW Price |
| RM510 (Rack Kit) | Mfr. List $29.00 | 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; auto-reverse cassette deck with Dolby B noise reduction; input source is switchable between internal CD and external line input; 2 tape heads; balanced XLR and unbalanced RCA inputs and outputs.

| | | |
|---|---|---|
| DNT620 | Mfr. List $750.00 | Call For BSW Price |

## MARANTZ

### PMD350 - CD Player/Cassette Deck

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

| | | |
|---|---|---|
| PMD350 | Mfr. List $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.

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

### DN-C630 - Compact Disc Player

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

| | | |
|---|---|---|
| DN-C630 | Mfr. List $600.00 | 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; digital display showing remaining or elapsed time in minutes, seconds, and frames; end monitor feature allowing 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. |
| | Call For BSW Prices | |

## DENON



### DN961FA - Compact Disc Player

Denon's 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; digital display showing remaining or elapsed time in minutes, seconds, and frames; end monitor feature allowing the operator to preview the ending of a cut; 4-times oversampling; complete remote accessibility; balanced XLR outs with variable output level.

Note: 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.

| | | |
|---|---|---|
| DNC680 | 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.

The CDJ700S is a convenient portable unit under 9x9x4 inches with the same large cue wheel and slider/loop functions.

| | | |
|---|---|---|
| *CDJ500II | Mfr. List $879.00 | **Call For BSW Price** |
| *CDJ700S | Mfr. List $999.00 | **Call For BSW Price** |

## SONY



### CDP-D500 - Compact Disc Player

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

| | | |
|---|---|---|
| CDPD500 | Mfr. List $1,595.00 | **Call For BSW Price** |

# OBSESSIVE CD DISORDER

Warning! Using Tascam's newest line-up of CD machines may be habit forming. Our high audio quality, easy-to-use controls and fast speeds can turn CD recording and playback into an obsession. Our state-of-the-art machines, including the CD-RW5000 and CD-R400 recorders, CD-D4000 duplicator and CD-450 player can cause territorial studio behavior, momentary lapses in time and other side effects. If you insist on using these cutting edge products, we recommend getting help from the audio professionals at BSW – but be forewarned, you may never go back to ordinary CD machines again.

## TASCAM

CD-RW5000 CD Recorder · CD-R400 CD Burner System · CD-D4000 CD Duplicator · CD-450 CD Player

## SONY



### CDP-XE500 - Compact Disc Player

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

| | | |
|---|---|---|
| CDP-XE500 | Mfr. List $200.00 | Call For BSW Price |
| RK7 (rack mount kit) | Mfr. List $42.95 | Call For BSW Price |

## TASCAM



### CD-450 - Compact Disc Player

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

| | | |
|---|---|---|
| CD-450 | Mfr. List $760.00 | Call For BSW Price |



### CD-305 - Multiple Disc Players

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

| | | |
|---|---|---|
| CD305 | Mfr. List $650.00 | Call For BSW Price |

## TEAC



### CD-P1120/CD-P1440 - Compact Disc Players

More than just inexpensive players, CD-P1120 and CD-P1440 offer sought-after features with an optional rack mount kit that make them perfect for studio applications. Features: 16-bit D/A converter; high-resolution, 3-beam laser pickup; intro check and shuffle play; 4-way repeat modes; full-function remote control; optional rack mount kit.

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

| | | |
|---|---|---|
| CD-P1120 | Mfr. List $179.00 | Call For BSW Price |
| CD-P1440 | Mfr. List $249.00 | Call For BSW Price |
| CDP1440RACK | Mfr. List $29.00 | 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; 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 |

## 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 $1,795.00 | Call For BSW Price |

### For Blank CDRs Call BSW
### For CD Cleaning Supplies See Page 30

## MARANTZ



### CDR630 - Compact Disc Recorder

The Marantz CDR630 is the latest addition to the legendary Marantz professional CD recorder line. This unit provides an economical way to record CDs (to both CD-Recordable and Rewritable). Digital signals from sources such as CD, DAT, MD and PCs can be directly input via the coaxial or optical connections. A built-in sample rate converter (SRC) allows any frequency between 32 kHz and 48 kHz to be input and converted to the CD standard of 44.1 kHz. In cases where the input is exactly 44.1 kHz, the CDR630 is specially designed to bypass the SRC, thus allowing an exact copy of the source to be made. Analog sources such as tape decks and mixing boards can be fed to the CD630 via either balanced or unbalanced connections. **Features:** CD-R and CD-RW compatibility; complete Orange and Red Book compatibility; ignores SCMS; auto start; auto or manual track incrementing; full-function remote control; headphone jack with level control; balanced XLR and unbalanced RCA analog inputs; unbalanced RCA output; coaxial and optical digital inputs and outputs.

| | | |
|---|---|---|
| CDR630 | Mfr. List $1,200.00 | Call For BSW Price |



### 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 |

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

## TASCAM



### CD-RW5000 - Compact Disc Recorder

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

| | | |
|---|---|---|
| CDRW5000 | Mfr. List $1,299.00 | Call For BSW Price |
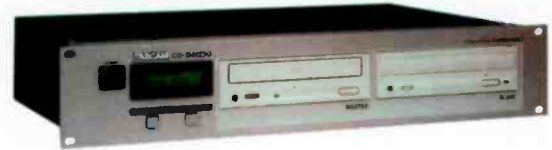


### CD-D4000 - Compact Disc Duplicator

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

| | | |
|---|---|---|
| CDD4000 | Mfr. List $1,295.00 | Call For BSW Price |



### CD-R400 - Compact Disc Recorder

Affordable CD recorders for your Mac or PC computer capable of burning both audio and computer data CDs. **Features:** 4x CD-R drive; Adaptec Toast software for Macintosh; Adaptec Easy CD Creator software for Windows; SCSI cable; SCSI terminator; CD Stomper CD labeling system; 2 blank CDRs.

| | | |
|---|---|---|
| CDR400M | (Macintosh) | Mfr. List $630.00 |
| CDR400W | (Windows) | Mfr. List $630.00 |
| | Call For BSW Prices | |

## 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 modules 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**



### 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

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

## For On-Air Warning Lights See Pages 148-149

## 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 + 10 watt amplifier for studio monitors; master and AUX outputs; built-in stereo cue speakers; routable talkback. BC-306 includes 2 mono mic/line inputs and 4 stereo line inputs. BC-312 includes 4 mono and 8 stereo. Dimensions: 23.7"W x 14"D x 6.9"H.

| | | |
|---|---|---|
| *BC306 | Mfr. List $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 Mfr. List $4,400.00**      **Call For BSW Prices**

## ATI
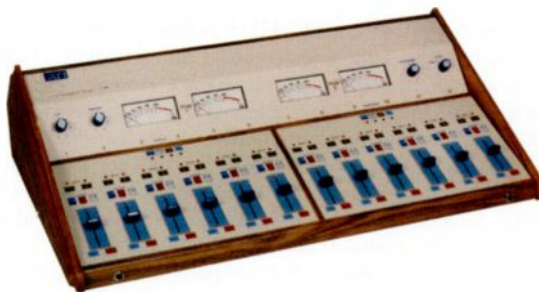


### VANGUARD SERIES - Audio Consoles

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.

| | | |
|---|---|---|
| *BC6DSLR | 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 $5,399.00 |

**Call For BSW Prices**

\* Non-inventory item subject to return restrictions.

## AUDIOARTS



### R-60 - Audio Console

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

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

**Options:** 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 $10,234.00 | Call For BSW Price |



### R-17 - Audio Console

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

| | | |
|---|---|---|
| *R17-10  ten channel | Mfr. List  $4,052.00 | Call For BSW Price |
| *R17-6   six channel | Mfr. List  $2,804.00 | Call For BSW Price |

## For Production Consoles
## See Pages 42-48

## AUDIOARTS



### 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/TV12 offers 24 stereo inputs and 12 channels.

| | | |
|---|---|---|
| *RTV20 | Mfr. List $13,651.00 | Call For BSW Price |
| *RTV12 (not shown) | Mfr. List $11,153.00 | Call For BSW Price |



### 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.

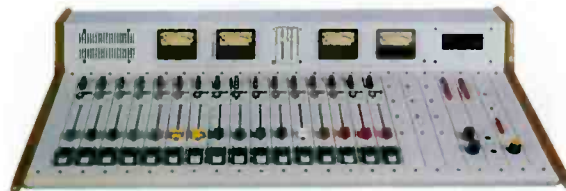| | | |
|---|---|---|
| *MINIMIX12A | Mfr. List $3,499.00 | Call For BSW Price |
| *MINIMIX8A | Mfr. List $2,499.00 | Call For BSW Price |

## AUTOGRAM



### 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 has 16 channels with 44 inputs. **Features (all Pacemakers):** VCA level controls; no audio transformers; Schadow selector switches; electronic switching; mix-minus bus; engraved front panel; Penny and Giles faders; pluggable miniature terminal strips. Call for console dimensions.

| | | | |
|---|---|---|---|
| *618 | 6 channels, 18 inputs | Mfr. List | $5,221.00 |
| *648 | 6 channels, 48 inputs | Mfr. List | $6,790.00 |
| *828 | 8 channels, 28 inputs | Mfr. List | $6,515.00 |
| *1032 | 10 channels, 32 Inputs | Mfr. List | $7,527.00 |
| *1644 | 16 channels, 44 inputs | Mfr. List | $9,693.00 |

**Call For BSW Prices**

## BROADCAST AUDIO



### BA1230 - Digital Console

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

   *BA1230   Prices from $14,000.00 Mfr. List
   **Call for BSW Pricing and Configuration**

## DIXON



### SP16 - Audio Console

The SP16 is solidly constructed, easy to install, simple to operate and an outstanding audio console. **Features:** fully modular construction; large frame holds up to 16 input modules; low-noise, 1% metal-film resistors are used throughout the audio path; conductive plastic faders; electronic on/off switching; additional monitor module for separate studio feed; full metering including two LED "Sum" meters for phase check; summing amplifier for mix-minus ISDN back-feeds; line and mic inputs with insert points; versatile remote control; fully balanced stereo program and audition buses; count-up timer; talkback system with 4 built-in sends; mix-minus output for feeding telephone hybrid; phantom power; heavy-duty power supply; constructed of rugged 16-gauge steel.

   *SP16       Mfr. List $11,900.00       **Call For BSW Price**



### NM-250 - Audio Console

The Dixon Systems NM-250 mixer is designed for busy newsroom work stations and contains almost all the features of a full broadcast console in a two-rack-space unit. To achieve the best performance possible, low noise 1% metal-film resistors are used throughout the audio path.

**Features:** 2 mic inputs with on/off switch and 48v phantom power; monitor output mutes when mic is on; mono line input for telephone hybrid; input for computer sound card; front panel input for DAT/cassette recorders; 2 balanced +4 line inputs; built-in mix-minus bus for telephone hybrid; built-in talkback system with 2 sends and receives; relay closures for computer channel on, telephone channel on and mic on; LED VU meter display; built-in headphone amp lets you select Mixer (program), Cue, or Off-Air; balanced +4 XLR line, mic and phone inputs; unbalanced -10 RCA I/Os for computer workstation/soundcard interface; all outputs except computer I/O are via pluggable terminal connectors and are balanced +4.

   NM250       Mfr. List $1,395.00       **Call For BSW Price**

## For Patchbays See Pages 91-92
## For Furniture See Pages 139-140

## 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; virtually indestructible control surfaces.

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



### DYNAMAX MXA SERIES - Audio Console

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

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

Call For BSW Prices

## 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 operating an analog on-air console. **Features:** 8 mixer channels controlling 16 inputs; choose any combination of analog or digital input modules; analog modules provide 18 bit A/D conversion from XLR connectors; mic preamp standard with all analog input modules; digital input modules have AES/EBU connectors (accepts S/PDIF format) and provide sample rate conversion; A/B input select with LED indicator; 3 digital plus 3 analog outputs; 48 kHz digital out standard (optional 44.1 kHz or 32 kHz): LED lighted bus assignment switches for Program, Audition, Mono and Cue; Cue activated via fader detent and momentary cue switch; LED metering for PGM, AUD and mono buses; count-up event timer; built-in cue amp and speaker; independent A/B remote start and stop; excellent RF immunity; remote channel on/off; Lexan overlay on all control surfaces. Dimensions: 25.75"W x 23"D x 9.25"H.

*Price Based On Configuration*

## LOGITEK



### ROC-10 - Digital Audio Console

The Logitek ROC-10 console control surface is ergonomically designed with 10 fully assignable faders, giving you easy access to up to 64 inputs. Separate audio and control sections allow you to keep audio out of the control room.

**Features:** easily connects up to 64 inputs and outputs – analog or digital; analog inputs/outputs have 20-bit AD-DA converters; digital inputs take either AES or S/PDIF and have sample rate converters for each; each audio engine supports two control surfaces and replaces the need for an audio switcher; LCD display shows audio sources and their destinations. ROC-10 consoles include an audio engine with the powerful SHARC processor, one control surface, power supply and communications controller. Colors: putty or anthracite.

| | | | |
|---|---|---|---|
| *ROC1024 | 24 Channels | Mfr. List | $9,995.00 |
| *ROC1032 | 32 Channels | Mfr. List | $10,894.00 |
| *ROC1048 | 48 Channels | Mfr. List | $12,692.00 |
| *ROC1064 | 64 Channels | Mfr. List | $14,490.00 |
| *MP4 | 4 channel mic preamp | Mfr. List | $399.00 |
| *AEP100 | redundant power supply | Mfr. List | $399.00 |
| *ROC10Wood | wood frame kit | Mfr. List | $99.00 |

Call For BSW Prices

* Non-inventory item subject to return restrictions.

# LOGITEK



## ROC-5 - Digital Console

The ROC-5 is a 5-fader version of the ROC-10. With the assignable faders, you can access all 64 channels of the fully loaded audio engine. The ROC-5 is ideal for newsroom or production studios with digital audio workstations. It includes an audio engine featuring the powerful SHARC processor, one control surface, power supply and communications controller. Available in two colors: putty and anthracite.

**Features:** easily connect up to 64 inputs and outputs – analog or digital; analog inputs/outputs have 20-bit AD-DA converters; digital inputs take either AES or S/PDIF and have sample rate converters for each; each audio engine supports two control surfaces and replaces the need for an audio switcher; ergonomically designed control surface.

| | | | |
|---|---|---|---|
| *ROC516 | 16 Channels | Mfr. List | $7,996.00 |
| *ROC524 | 24 Channels | Mfr. List | $8,895.00 |
| *ROC532 | 32 Channels | Mfr. List | $9,794.00 |
| *ROC548 | 48 Channels | Mfr. List | $11,592.00 |
| *ROC564 | 64 Channels | Mfr. List | $13,390.00 |
| *ROC5WOOD | wood frame kit | Mfr. List | $99.00 |

**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**

## For On-Air Processing Equipment
## See Pages 7-13

# 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) allowing for tonal adjustment; two aux send controls (one pre-fader and one post-fader) may be used for monitor returns or setting up the routing scheme for effects processing; individual insert points on each channel; headphone jack; 48v phantom power; balanced XLR and TRS I/Os.

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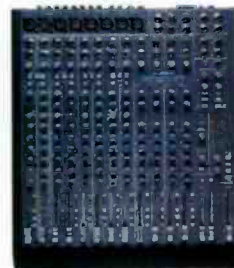


## STUDIO 24 - Audio Console

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

| | | |
|---|---|---|
| STUDIO 24 | Mfr. List $699.00 | 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; 6 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 $999.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## 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 directly to your 2-track or go right on-air; mono mic/line and stereo line inputs; channel on/off with machine control; defeatable 3-band equalizer on input channels; dedicated 4-track monitor section; studio/control room monitor section with talkback; cue on inputs, subgroups and stereo module; studio muting and tally functions; cue speaker and amp; 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 $8,395.00 | **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, long-taper 60mm faders; 3-band EQ with sweepable mids on all inputs; low-cut input filter; unique ultra-high frequency EQ enhancer on subgroups; 6 AUX sends (4 can be pre- or post-fader); pre- and post-fader listen (cue); special level setting function in solo (cue) mode; flexible control room and tape monitoring; talkback facilities; balanced mic and line inputs (XLR and TRS); balanced TRS AUX outputs; balanced TRS and XLR main stereo outputs. Dimensions: (SR24•4) 31"W; (SR32•4) 41.4"W x 6"H x 19.2"D.

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

## MACKIE DESIGNS

### 8•BUS - Audio Console

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

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

**Call For BSW Prices**

### 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** |

* Non-Inventory item subject to return restrictions.

# MACKIE COMPACT MIXERS.
# A BROADCAST STANDARD.
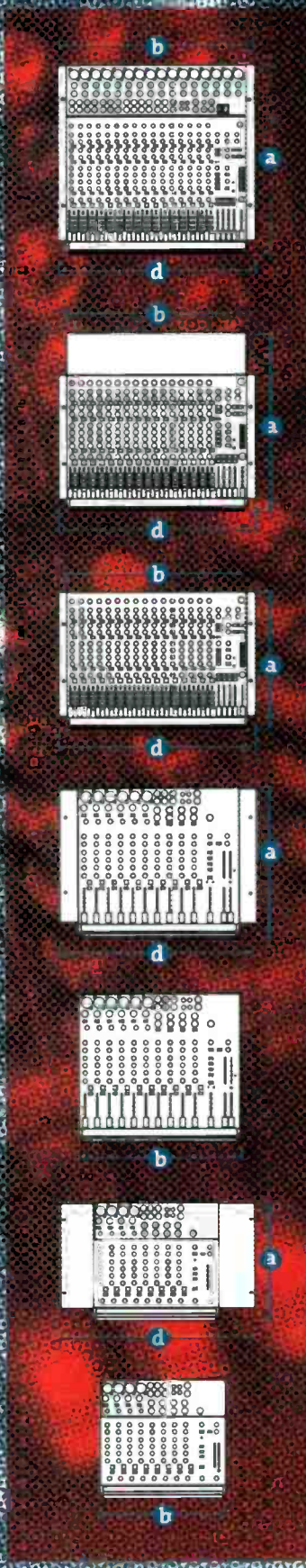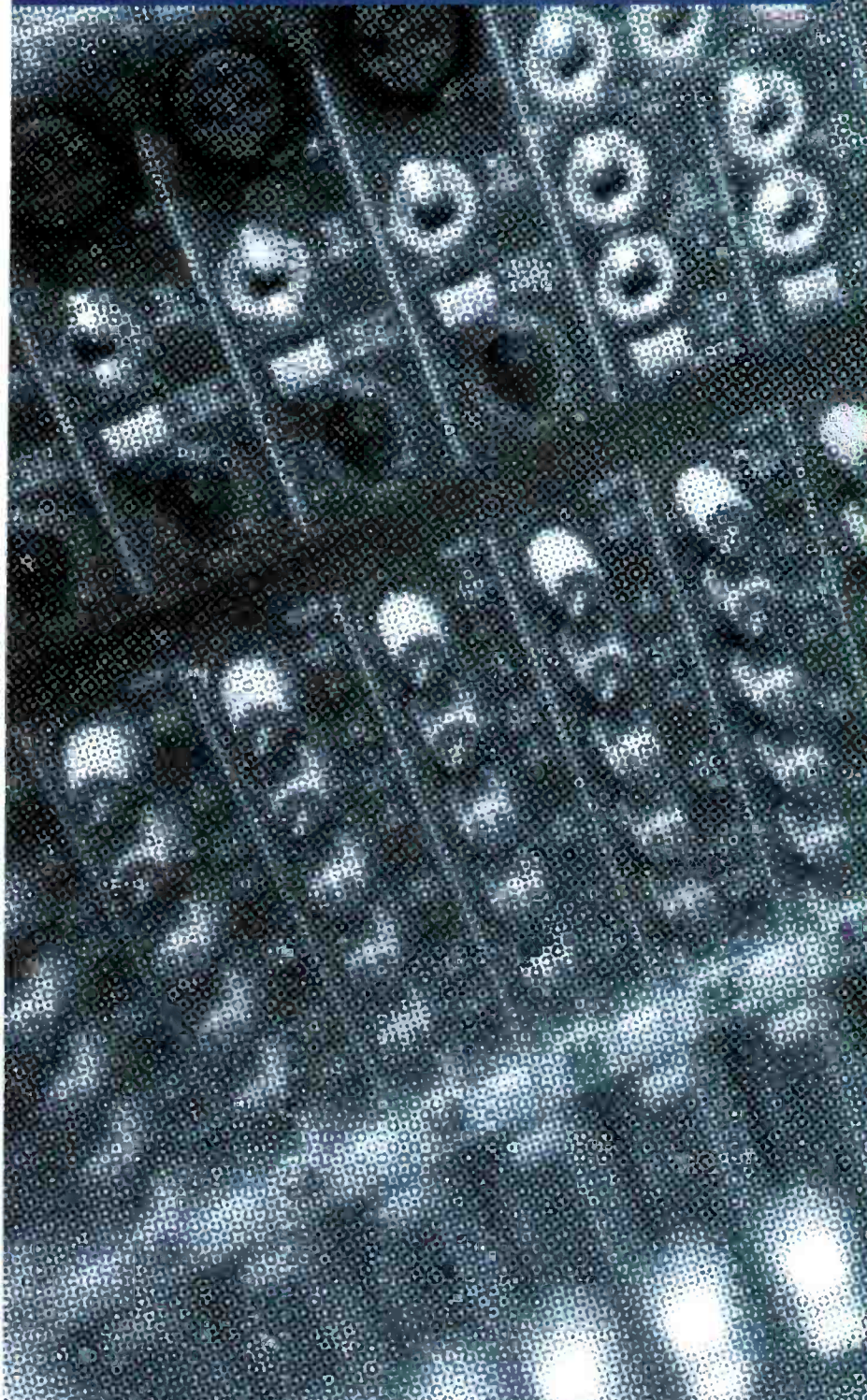
## MACKIE DESIGNS



### 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** |

## MACKIE DESIGNS



### MS1202VLZ - Audio Mixer

This second-generation mixer is built around the 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** |



### 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** |

## SOUNDCRAFT



### GHOST - Audio Mixer

Soundcraft Ghost is the ultimate affordable analog recording console. It delivers the audio precision, quality and all the control features of a big studio desk without the usual prohibitive cost. **Features:** 8-bus in-line multitrack mixer with a Mix B path (often called monitor path) as well as the main signal path on each channel strip; 24 and 32 channel frames providing 56 and 72 inputs; in addition, using the 24 channel expander unit, a further 48 inputs at mixdown are possible; optional meterbridge; high-performance mic preamps offering smooth control over a wide gain range – up to 60dB; EQs with two fully parametric overlapping mid bands, with shelving high and low filters; individually switchable phantom power; 10 aux buses including 2 stereo pairs; level and peak metering on every channel; both the main and Mix B paths have MIDI muting and PFL, while the main channel path also offers true solo-in-place; full transport control; built-in timecode supporting both MIDI timecode and SMPTE; jog/shuttle wheel; integrated machine control facilities and much more.

**\*Price Based on Configuration**

\* Non-inventory item subject to return restrictions.

## SPIRIT

### FOLIO FX8 - Audio Mixer

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

**RW5555**          Mfr. List $699.95          **Call For BSW Price**

### FOLIO FX16 - Audio Mixer

A flexible 4-bus mixer, the FX16 is capable of producing digital quality sound for both live and recording applications. It features a specially designed 16-program Lexicon effects section and dual-effect capability as well as fully editable/storable programs and parameters. The console itself includes 16 mic/line inputs and 26 total inputs to mix (including FX returns and tape return to mix). In addition to the mix outs, two sub-buses allow groups of instruments to be sent to multitrack recorders or additional speakers, or sub-grouped to mix. Its 16 direct outs are individually fader pre/post switchable, making them useful for recording in the studio. In keeping with the multipurpose nature of the FX16, both solo-in-place and PFL solo are available for studio mixdown and gain-setting applications, respectively. **Features:** 16 balanced mic/line inputs with UltraMic™ preamps, 60dB of gain range and +22dB of headroom; 4 auxiliaries with aux masters and AFL monitoring; Lexicon effects section with dual effects such as chorus and reverb, chorus and delay or reverb and delay; 3-band EQ with swept mid-frequency; steep 18 dB/octave high-pass filter; 4 stereo returns with level control; 4-bus structure with 2 subgroup outs; 100mm tapered faders; global +48V phantom power; optional rack mount kit.

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

## SPIRIT

### FOLIO SX - Audio Mixer

Here's a portable mixer with plenty of inputs even for 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 $849.95          **Call For BSW Price**

### FOLIO LITE - Audio Mixer

Spirit's 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: KEB22 carrying bag.

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

### FOLIO NOTE PAD - Audio Mixer

DAT quality audio and versatile features combined 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 outs. Dimensions: 9.6"W x 8.9"D x 2"H. **Options:** KEB22 carrying bag.

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

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

## TASCAM



### 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 |



### TM-D4000 - Digital Audio Console

The TM-D4000 offers the end-user a flexible, yet extremely powerful recording and mixing console based on TASCAM's pinnacle technology employed on the larger TM-D8000 console. The unit has 32 mono and 2 stereo inputs, feeding 8 buses. The input section features 6 AUX sends, 4-band EQ and full dynamics control on each channel. Features: professional-style 100mm motorized faders are utilized for the 32 mono inputs (addressable 16 at a time), the stereo inputs and the console master fader; three expansion slots are available for 8-channel audio I/O on channels 9 through 32 supporting TDIF-1, ADAT, AES/EBU or analog sources; full-featured machine control with jog/shuttle dial and record function switches and the ability to address surround-sound panning via buses 1 through 6; advanced 24-bit AD/DA converters service analog I/Os, with 24-bit DA converters employed on the stereo master outputs and monitor outputs; large 320x240 LCD display incorporating four rotary encoders for simple parameter control; cascading I/O capabilities for system expansion, on-board stereo digital effects, full MIDI implementation, a library function for EQ, dynamics and snapshots for console settings; graphic user interface (GUI) and dynamic automation available through and external, Windows®-based host computer; balanced XLR and 1/4" analog I/O; unbalanced RCA I/O; AES/EBU and S/PDIF digital I/O. Options: meter bridge; audio I/O cards.

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|---|---|---|
| *TMD4000 | Mfr. List $4,299.00 | Call For BSW Price |

## TASCAM



### TM-D1000 - Digital Audio Console

The TM-D1000 is a versatile and affordable compact mixer and provides an 8-track configuration with expansion capability to accommodate 16 tracks. With support for multiple digital I/O protocols and MIDI machine control capability, this mixer provides an outstanding level of performance and functionality and will integrate easily into any modern studio. Features: 128 shapshot scene memory; on-board MMC transport controls; on-board dynamics and stereo effects processor; 16-channel full digital mixer (8 analog and 8 digital channels default configuration); 4 bus design; four balanced XLR mic inputs with phantom power; 8 channels of TDIF-1 digital I/O as standard equipment; two AES/EBU digital outputs. Options: IF-TAD ADAT to TDIF converter; additional 8 channels of TDIF or 4 channels of AES/EBU or S/PDIF; FX-1000 effects board; rack mount kit.

| | | |
|---|---|---|
| TMD1000 | Mfr. List $1,299.00 | 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 |

[ 03D ]

[ 02R ]

[ NS 10M ]

WE'RE IN **TUNE** WITH YOUR NEEDS

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[ REV 500 ]

[ P 4500 ]

[ MS 20S ]

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# YAMAHA®

## 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: KEB22 carrying bag.

| M08 | 12-channel mixer | Mfr. List $380.00 | Call For BSW Price |
|---|---|---|---|
| RM08 | rack ears | Mfr. List $17.00 | Call For BSW Price |

## YAMAHA
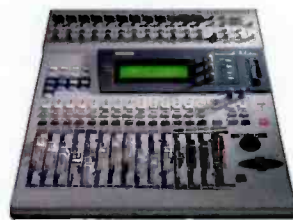


### O1V - Digital Audio Mixer

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

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



### O2R - Digital Audio Mixer

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 $8,899.00 | Call For BSW Price |
|---|---|---|

## YAMAHA



### O3D - Digital Audio Mixer

Based on the successful O2R, the O3D offers a balance of features and affordability. **Features:** 16 balanced inputs (8-XLR/TRS and 8-TRS only); a single stereo line input (TRS); a slot for optional I/O cards; internal automation system with 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 |
|---|---|---|
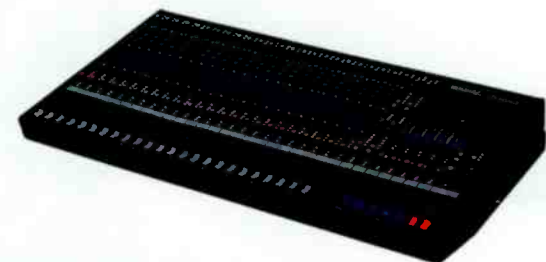


### MX400 SERIES - Audio Mixers

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 |
| *MX400-24 | 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 |
|---|---|---|

* Non-inventory item subject to return restrictions.

## ELECTRO-VOICE



### SYSTEM 2000 - PA System

EV's goal with System 2000 was to build the best lightweight sound system that modern technology can produce. Two configurations are available: the SYSTEM2500 and the SYSTEM2300.

The heart of each PA package is the PSX2000 stereo powered mixing console. This 14 channel mixer (10 mono mic/line and 2 stereo) delivers better than 340 watts per channel into 8 ohms and includes two built-in 18-bit stereo effects processors. Additional features: 3 and 4 band EQ; stereo graphic EQ; patch bay with balanced ins and outs; Littlite® connector; recessed carrying handles and locking metal cover.

SYSTEM2500 (shown above) features EV's SX500 speakers with the PSX2000 mixer. The SX500 offers a 15" LF driver in a lightweight enclosure with a unique HF and LF vented-horn system delivering excellent coverage, impressive SPL and wide frequency response.

System 2300 includes the PSX2000 and two SX300 lightweight speakers featuring 12" LF driver and molded CD horn.

| | | |
|---|---|---|
| *SYSTEM2500 | Mfr. List $4,796.00 | Call For BSW Price |
| *SYSTEM2300 | Mfr. List $4,396.00 | Call For BSW Price |

## FENDER



### P-250 PASSPORT - Portable Sound System

Truly unique, the Fender Passport is a totally self-contained portable sound system complete with a self-powered 4-channel mixer, 2 full-range speaker units, 2 dynamic cardioid microphones and all the necessary connection cables. Setup takes no more than five minutes and audio performance is excellent.

**Features:** 250 watts of pure stereo power at 8 ohms (125 WPC); 4-channel, 8 input mixer; 2 additional stereo channels, sophisticated one-touch equalization; digital reverb with remote bypass; eight 6.5" high-efficiency drivers in two cabinets; switchable line voltage for international use; selectable main-monitor operation; tape out jacks for performance recording; on-board storage for mics and cables; auxiliary send and return jacks; amplifier send and return jacks; total weight 53 pounds.

Also available is the P-150 system with 75 watts per channel, 3 mic/line plus one stereo input, one microphone and connecting cables.

| | | |
|---|---|---|
| *P250 Passport | Mfr. List $899.99 | Call For BSW Price |
| *P150 Passport | Mfr. List $699.99 | Call For BSW Price |

## For Speaker Stands See Page 137

## JBL



POWER10      MUSICMIX

POWER15      1SPAC

### EON POWER SYSTEM - Portable PA Systems

JBL's EON is a series of professional sound system components designed to be lightweight, portable, powerful, durable and very simple to set up and use. You can choose individual components or purchase complete sound system packages including mixer, speakers, amplification, mic and cables.

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

**EON POWER 10 Speaker Features:** 90°x60° controlled directivity HF horn with a 1" compression driver; 10" LF transducer; rugged molded plastic enclosure with tuned ports; bi-amplification with built-in crossover (60 watts for LF section and 25 watts for the HF section); power LED; carrying handles at proper balance points; balanced XLR mic/line level input and parallel output. Weight: 27 lbs.

**EON MusicMix 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.

The **POWER 15 System** includes two POWER 15 speakers, the MusicMix mixer, two E50S dynamic microphones and all necessary cabling.

The **POWER 10 System** includes two POWER 10 speakers, the MusicMix mixer, two E50S dynamic microphones and all necessary cabling.

The **EON 15PAC** is a mini PA system in a single unit. It's identical to the Power15 but includes 3 inputs with individual level controls (one XLR mic/line and two 1/4" line) enabling the connection and control of multiple sources without the need for an external mixer. The EON 15PAC features a 4-band equalizer for custom tailoring of your sound.

| | | |
|---|---|---|
| *EONPOWER15S | system | Mfr. List $2,177.00 |
| *EONPOWER10S | system | Mfr. List $1,849.00 |
| *EONMUSICMIX | mixer | Mfr. List $679.00 |
| *EONPOWER15 | powered speaker | Mfr. List $816.00 |
| *EONPOWER10 | powered speaker | Mfr. List $653.00 |
| *EON15 | passive speaker | Mfr. List $599.00 |
| *EON10 | passive speaker | Mfr. List $469.00 |
| *15PAC System | powered speaker/mixer | Mfr. List $899.00 |

Call For BSW Prices

## SPIRIT



### POWERSTATION SERIES - Powered PA Mixers

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

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

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

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

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

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

## YAMAHA



### EMX2000/S112 IV - PA System

Compact and affordable, this system is great for remotes or music applications, providing plenty of flexibility and power. **EMX2000 Mixer Features:** 12 input channels (8 mono mic/line and 2 stereo); 3-band EQ on all input channels; phantom power (channels 1-8); monitor and effects sends on each channel; built-in, high-quality digital effects; 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; 12-segment LED level meters; XLR and 1/4" channel inputs. Weight: 31 lbs.

**S112 IV Speaker Features:** 90° HF horn with titanium driver; 12" LF woofer; heavy-duty steel grille; trapezoid cabinet design with metal corner protectors and metal jack plate; heavy-duty recessed carrying handles; built-in socket for tripod mounting. Weight: 43 lbs.

| | | | | |
|---|---|---|---|---|
| *EMX2000 | powered mixer | Mfr. List | $999.95 | Call For BSW Price |
| *S112 IV | loudspeaker | Mfr. List | $369.00 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** |

* Non-inventory item subject to return restrictions.

# 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; mic/line balanced stereo outputs with switchable peak limiting; phantom power; low-cut filters; test tone oscillator, tape in/out; XLR I/O connections. **Options:** input expander XPS100 or XPS200; carrying bag; gel-cel battery pack; power supply; rack adapters.

**MXS101 Features:** mono version of the MXS100, full featured.

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

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

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

| | | | |
|---|---|---|---|
| MXS100 | stereo portable mixer, full featured | Mfr. List | $949.00 |
| MX101 | mono portable mixer, full featured | Mfr. List | $579.00 |
| MX200C | stereo mic/line mixer w/switchable limiter | Mfr. List | $789.00 |
| MX100C | mono mic/line mixer w/switchable limiter | Mfr. List | $449.00 |
| MX200 | stereo mic/line mixer | Mfr. List | $749.00 |
| MX100 | mono mic/line mixer | Mfr. List | $399.00 |
| XP100 | 4-input switchable mono mic/line expand. | Mfr. List | $299.00 |
| XPS100 | 4-input panned stereo switchable mic/line | Mfr. List | $399.00 |
| XPS200 | 2-input stereo line with level adjustments | Mfr. List | $379.00 |

**Call For BSW Prices**

# COMREX

## BUDDY - Remote Studio

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

| | | |
|---|---|---|
| BUDDY | Mfr. List $2,500.00 | Call For BSW Price |
| BUDDYCASE | Mfr. List $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 which accept a balanced or unbalanced source; stereo and mono balanced outputs; individual input level adjustment; L/R bus input for linking multiple units; 115/230 VAC, 50/60 Hz; all connections via barrier strip terminals.

| | | |
|---|---|---|
| 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 |

## For Interface Equipment
## See Pages 85-92

# JK AUDIO

### REMOTEMIX C+ - Utility Mixer

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

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

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

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

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

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

### REMOTEMIX 3x4 - Multi-line Hybrid/Mixer

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

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

# MARTI

### TALKPORT-GX - Remote Mixer/Phone Interface

The TalkPort GX provides all the features you need for great-sounding remotes through a dial-up phone line or optionally through the micro-cellular phone interface. Features: 4 mic inputs; headphone cueing channel; 2nd phone line capability for studio cues; radio monitor switch and jack for local off-air monitoring; high-capacity rechargeable NiMH batteries with charger; high level loop and AUX outs; pulse/tone dialing; test tone oscillator; squelch/mute; audio limiter; VU bargraph with peak indicator; plastic carrying case included. Options: aluminum carrying case; nylon carrying case; micro-cellular interfaces available for most cellular telephones (call for pricing).

| | | |
|---|---|---|
| TalkPort-GX | Mfr. List $1,495.00 | Call For BSW Price |

# NORTECH

### MAX-Z - Remote Mixer

MAX-Z is a remote broadcast console that provides maximum flexibility, utility and excellent audio quality. Features: 4 mic/line inputs; front panel level and rear panel gain controls; cue buttons on channels 1 and 4; monitor input (mini jack) feeds into the cue channel; phone line out; direct audio out; 4 headphone jacks (1/4"); AC powered or use built-in rechargeable batteries and charger; clock; stopwatch/timer; 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).

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

### MAX-ZII - Remote Mixer

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

| | | |
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| MAX-ZII | Mfr. List $750.00 | Call For BSW Price |

## RANE



### MLM82 - Mic/Line Mixer

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

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



### SM26B - Splitter/Mixer

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

| | | |
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| 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: five balanced/unbalanced main inputs (4-mic/line, 1-line only); a mix input for combining multiple mixers; balanced mic or line output; LED level indicators (-20, 0, +5); phantom power (jumper selectable); connections via barrier strip; flexible mounting options available. For RDL stick-on mixers see page 86.

| | | |
|---|---|---|
| RUMX5 | Mfr. List $248.00 | 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 |

## SHURE



### 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.

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



### 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.

| | | |
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| 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.

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

## STUDIOMASTER



### 42DCXLR - Compact Audio Mixer

This battery powered (9v) stereo output mixer is ideal for any type of remote application such as audio for video, ENG work, remote broadcasts etc. Features: 4 channels (each input can be XLR mic or RCA line); inputs include a pan control; 1/4" left and right output jacks; mic/line level output switch; mono/stereo mode switch; rugged steel construction; battery test light; jack for DC9v input (adapter not included).

| | | |
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| 42DCXLR | Mfr. List $129.95 | Call For BSW Price |

## FOSTEX



### D5 - DAT Recorder

The D5 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 5-pin DIN connector for wiring remote control functions.

| | | |
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| D5 | Mfr. List $995.00 | Call For BSW Price |



### D15 - DAT Recorder

The most economical 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:** 8335 external sync card for video reference; 8336 serial card for RS422 control.

| | | |
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| *D15 | Mfr. List $3,295.00 | Call For BSW Price |

## PANASONIC



### SV4100 - DAT Recorder

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

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

## PANASONIC



### 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. Rack ears included.

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| 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. Rack ears included.

| | | |
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| 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.

| | | |
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| PCMR700 | Mfr. List $2,695.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## SONY



### PCM-R500 - DAT Recorder

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

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



### PCM-R300 - DAT Recorder

This low-cost rack mount DAT recorder utilizes Sony's Super Bit Mapping (SBM) technology for superior sound quality. SBM converts the audio signal from a 20-bit resolution A/D into 16-bit signals, allowing it to be recorded to a standard DAT. It incorporates much of the technology used in previous DAT recorders with 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.

| | | |
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| PCMR300 | Mfr. List $995.00 | Call For BSW Price |

## TASCAM



### DA-45HR - DAT Recorder

True 24-bit audio master recording is now a reality with the DA-4SHR. The new software architecture fits nicely with the familiar surrounding of Tascam's proven DAT hardware environment - so you get pristine audio quality and easy-to-use features. Features: 24-bit recording and playback (high speed - 120 min. tape allows 60 min. recording time); 16 bit record/playback mode (normal speed); 24-bit A/D and 20-bit D/A conversion; parallel remote control port; word sync IN/THRU; 2-point memory locate; timer search; shuttle wheel; sub code edit (Start ID write/erase, character write, Re-number, TOC Re-number); multiple play modes; balanced XLR and unbalanced RCA analog I/O; AES/EBU and S/PDIF digital I/O. Options: wired remote control (RC-D4S).

| | | |
|---|---|---|
| *DA45HR | Mfr. List $2,165.00 | Call For BSW Price |

## TASCAM



### DA-40 - 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: wired remote control.

| | | |
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| DA40 | Mfr. List $1,399.00 | 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 $975.00 | Call For BSW Price |



### DA-302 - Dual DAT Recorder

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

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

* Non-inventory item subject to return restrictions.

# 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. Four 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.

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| *TCDD10PROII | 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/playback; up to 4 hours of recording time on 4 "AA" batteries; supplied AC adapter; 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. **Options:** IC4S XLR to mini jack mic cable; KEB20 carrying bag.

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| TCDD8 | Mfr. List $899.95 | 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 NiMH batteries (2.5 hours on standard alkaline batteries). **Features:** recording margin indicator to monitor peak levels during recording; improved internal microphone circuitry; automatic/mic limiter and manual recording level control plus two AGC modes; stereo mini mic/line input; stereo mini line output; optional digital I/O.

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| PCMM1 | 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.

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| DAP1 | Mfr. List $2,060.00 | 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 which allows continuous recording while the tape is playing back an earlier segment, or even if the tape runs out (when the tape resumes recording, the content of the hard disk is transferred to tape, maintaining the complete recorded log); built-in passcode security matrix; up to 4 special event flags that allow you to mark and retrieve important segments as they are recorded. VP204 is a play-only model that is ideal for the GM's or PD's desk or for the group's main office. Both the VR204 and the VP204 can play back any of the 24 channels recorded on an Eventide VR240.

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

# Digital Audio Recorders
Hard Disk/Instant Delivery

## 360 SYSTEMS



### DIGICART®/II PLUS - Digital Audio Hard Disk Recorder

DigiCart/II PLUS is one of the most successful hard disc recording systems, featuring amazing performance options as well as a wide range of control choices. **Features:** flawless 16-bit recordings, either in linear mode or with Dolby® AC-2 data reduction for extended recording times; store up to 50 hours of stereo audio on hard disk and up to 48 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.

**Expanded Storage Options:** hard disk system enclosure which houses up to 5 drives for additional storage; hard disk drives include installation kit.

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| D2730 | DigiCart/II Plus 24 hr. HD & ZIP Drive | Mfr. List | $3,995.00 |
| HD-3000 | 3GB hard disk drive | Mfr. List | $395.00 |

**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. Maps up to 100 preset keys. Function keys mirror DigiCart/II's front panel controls.

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| 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™ EDITOR 2.0 - Audio Editor

Short/Cut Editor is a digital 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. **Features:** familiar tape-recorder-like interface; high-resolution waveform display; real-time editing including cut, copy, paste, insert, erase, loop and more; instant record feature allows you to immediately capture incoming audio; select cuts for playback by simply typing the cut name on the keyboard, or assign a cut to one of the 10 hot-keys; hard disk storage of up to 4 hours; optional ZIP™ drive available for low-cost copies; easy access to file management and preference menus; weighs only 12 pounds (with built-in speakers, headphone amp and a mic level input it makes a very portable workstation); built-in D-NET File Transfer Network capability lets you transfer audio files, including the cut names and running times to DigiCart/IIs and Instant Replays; balanced XLR analog I/O (left channel input is switchable mic/line level); AES/EBU digital I/O.

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| SC180-3 | Shortcut w/4 hrs. internal storage | Mfr. List | $3,250.00 |
| SCZIPDRIVE | ZIP™ drive option | Mfr. List | $199.00 |

**Call For BSW Prices**



### INSTANT REPLAY® 2.0 - Hard Disk Player

Instant Replay (DR552) is a professional-quality digital audio hard disk recorder/player. It gives instant access to a vast library of recordings ranging from a split second to almost unlimited duration. **Features:** stores up to 1,000 audio cuts of various lengths; records with a "start on audio" feature for tight starts; recorded cuts become part of a well-managed library so they are easy to find again; 50 hot-key buttons (find a cut by typing its name or ID number, or, if it has been assigned to one of the 50 hot-keys, just hit its associated key for absolute instant access); stereo 16-bit digital audio quality; large internal hard drives sizes; SCSI port supports external ZIP™ drives; printer port allows hard-copy listings to be output on standard "parallel input" printers; built-in D-NET File Transfer Network capability lets you transfer audio files, including the cut names and running times to DigiCart/IIs, Shortcuts or Instant Replays; balanced XLR analog I/O; AES/EBU digital I/O. **Playback Features:** simply press a hot-key to play a cut; audio starts instantly; when the cut is finished the audio is instantly re-cued; jump from one cut to another with completely seamless transitions; audio cuts can also be selected as part of a playlist for sequential playback; different playlists can be stored for each of the ten banks, and can be recalled for playback or editing at any time; looping function which causes a cut to continuously and seamlessly play back.

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| DR552-24 | 24 Hours Stereo | Mfr. List $3,250.00 |

**Call For BSW Prices**

## DENON



### DN900 SERIES - MiniDisc Recorder/players

**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.

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| DN981F | Mfr. List $2,300.00 | Call For BSW Price |
| DN990R | Mfr. List $2,800.00 | Call For BSW Price |



### DN-M1050R - MiniDisc Recorder/Player

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

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



### DN-045R - MiniDisc Replicator

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

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

## DENON



### DN-M2000R - MiniDisc DJ Recorder/Player

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

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| DNM2000R | Mfr. List $1,000.00 | Call For BSW Price |

## SONY



### MDS-B5 - MiniDisc Recorder/Player

Sony's third-generation studio MD machine sets a new standard for professional performance. **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. MDSB6P is the play-only model.

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| MDSB5 | Mfr. List $3,295.00 | Call For BSW Price |
| MDSB6P | Mfr. List $2,300.00 | Call For BSW Price |



### MDSJE520 - MiniDisc Recorder/Player

One of the lowest priced studio MD recorders. **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; digital record level control makes possible fade-in/fade-out playback and recording; 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.

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| MDSJE520 | | Mfr. List $360.00 | Call For BSW Price |
| RK7 | rack mount kit | Mfr. List $42.95 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## 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; 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; IC4S XLR to mini jack mic cable; KEB20 carrying bag.

| MZB3 | Mfr. List $899.99 | Call For BSW Price |
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### MZ-R50 - Portable MiniDisc Recorder/Player

MZ-R50's superior audio quality and ultra-compact design make it a natural for recording in the field. **Features:** sample rate converter that allows recording from other media such as DSS, DAT and CD; digital synchronized recording capability; vertical jog dial for easy editing; track name search/select with jog dial; 40 seconds of shock resistant memory; extended playback (up to 22 hours with rechargeable batteries); stereo headphones with handheld remote control; date/time stamp function; optical digital input; stereo minijack mic input and line output. **Options:** IC4S XLR to mini jack mic cable; KEB20 carrying bag.

| MZR50 | Mfr. List $399.95 | Call For BSW Price |
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## TASCAM

### MD-801RMKII - MiniDisc Recorder

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

| MD801RMKII | Mfr. List $2,699.00 | Call For BSW Price |
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## TASCAM

### MD-501 - 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 $1,399.00 | Call For BSW Price |
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### MD-301 - 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; unbalanced RCA analog I/O; unbalanced RCA analog I/Os; optical TOS digital I/Os and coaxial digital input.

| MD301 | Mfr. List $970.00 | Call For BSW Price |
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## SONIFEX

### COURIER - Portable Hard Disk Recorder

Courier is a compact, digital audio recorder designed for in-the-field applications and news gathering. Using industry standard PCMCIA disks (PC cards) to store high quality digital audio, Courier is able to operate in severe environmental conditions or during movement. The PC cards can be quickly changed and are capable of storing anywhere from 11 minutes to 18 hours of audio. **Features:** recordings can be uncompressed (.wav) or MPEG layer II compression; confidence monitoring; autolock for continuous recording; uses standard rechargeable camcorder-type batteries; includes adapter/charger for charging batteries and powering the machine; two mic/line level inputs (stereo or dual mono) with level control; LED display; built-in audio transfer via standard telephone lines or ISDN; on-board non-destructive editing capabilities. Requires optional memory cards.

| *COSTD | Mfr. List $3,650.00 | Call For BSW Price |
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* Non-inventory item subject to return restrictions.

# AKAI



## DR16 - Multitrack Hard Disk Recorders

The DR16 from Akai is a compact, easy-to-use rack-mount machine that provides 16 tracks of random access, hard disk digital recording and powerful editing. **Features:** units can be chained together for an expanded number of tracks; user-friendly tape-machine style interface; built-in digital mixing lets you create a stereo mix of disc 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; DL16 remote record/edit/mix controller with EQ, pan and 16 faders; interface options for ADAT, DA88, multi-channel AES/EBU, RS422, SMPTE and MIDI.

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| 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



## ADAT-XT20 - Digital Audio Recorder

The ADAT-XT20™ offers a new standard in audio quality while remaining completely compatible with the huge foundation of 100,000 ADATs in use worldwide. Using ADAT Type II, the only modular digital multitrack recording format that writes 20-bits to tape, the XT20 records 8 tracks of true, linear 20-bit digital audio onto tape (16 times more detailed than the 16-bit sound of compact discs), without using external converters or multiplexers. **Features:** intelligent software-controlled tape transport; familiar track copy, tape offset and track delay functions; 20-bit, 128-times oversampling D/A converters; onboard 10-point autolocation system, automated punch in/out; compatible with ADAT Type 1 (16-bit); six-pound die-cast aluminum chassis; balanced analog I/O via 56-pin ELCO connector; unbalanced RCA analog I/O (x8); optical digital I/O; optional remote controller (BRC).

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| ADATXT20 | Mfr. List $2,599.00 | **Call For BSW Price** |
| BRC | Mfr. List $1,499.00 | **Call For BSW Price** |
| | *Available In North America only* | |

# ALESIS



## ADAT-LX20 - Digital Audio Recorder

ADAT-LX20™ provides an economical solution for capturing the power of the award-winning ADAT recording format. Even though the LX20 is the most affordable ADAT, it offers the same 20-bit ADAT type II digital recording format as the XT20 and M20 recorders, making it capable of producing professional-quality recordings. The LX20 is compatible with all ADAT-model recorders as well as peripheral devices like the BRC and third-party products like digital consoles, interfaces and more. The LX20's five specialized locate points, used with its Auto Play, Auto Return, Auto Record and Auto Loop functions, are designed to help you record quickly and easily. For standard analog interfacing (like connecting to a mixer), the LX20 includes sixteen unbalanced -10 dBV inputs and outputs on phono (RCA) connectors. It also offers the ADAT Optical Digital Interface, which carries up to eight audio tracks at once completely in the digital domain. It allows you to connect to other ADATs in a system or dozens of other devices that use this innovative transfer protocol.

**Options:** BRC remote controller; AI-1 sample rate/format converter; AI-2 audio/video sync interface.

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| ADAT-LX20 | Mfr. List $1,899.00 | **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 key-lockable, rack mounted removable hard drives. The front panel is actually a removable full-function remote controller allowing you to keep the hard drives with their stored audio racked away from your control position. Both models ship standard with a 2.55 GB hard drive but can be interchanged with a variety of hard drives.

**Features (D-160):** 16-bit linear recording (no compression); random access, nondestructive editing; 16-track simultaneous recording; optical S/PDIF/ADAT interface; ±6% vari-speed; jog/shuttle control; 99 virtual reels; SCSI-2 interface; supports tempo mapping, daisy-chaining MPC and MIDI Machine Control; 8-in/8-out unbalanced RCA analog I/O. **Options:** balanced inputs/outputs with 2 D-Sub 25-pin connectors; SMPTE interface; additional key-lockable hard disc caddies; 16" controller extension cable.

**Features (D-90):** 16-bit linear recording (no compression); random access, nondestructive editing; 8-track simultaneous recording; optical S/PDIF/ADAT interface; ±6% vari-speed; jog/shuttle control; 9 virtual reels; SCSI-2 interface (optional on D-90); 8-in/8-out unbalanced RCA analog I/O. **Options:** +4 dBu balanced I/O board.

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| *D90 | Mfr. List $1,895.00 | **Call For BSW Price** |
| *D160 | Mfr. List $3,395.00 | **Call For BSW Price** |

## FOSTEX

### FD-4/FD-8 - Hard Disk Recorders

The Fostex FD series hard disk recorders offer uncompromised digital recording plus something new: choices. Both units give you the freedom to choose your own optional SCSI recording media from a wide variety of removable and hard drives.

**Features (FD-4):** 4 Channel Mixing; 4 input channels; 2 aux sends, 2 stereo aux returns; 2 balanced XLR mic inputs, each with trim control; 3-band EQ per channel; 2 Virtual Tracks for extra takes, rehearsals, mastering, and additional choices at mixdown; digital cut, copy and paste editing with move, erase and undo/redo; digital input from 2-track source (CD, DAT, etc.) and 2-track digital output (S/PDIF optical); full MIDI control.

**Features (FD-8):** 8-channel mixing; 8 input channels, two independent recording modes (one maximizes sound quality, the other maximizes recording time); 2 aux sends, 2 stereo aux returns, 2 balanced XLR mic inputs, each with trim control; 3-band EQ per channel; 16 virtual tracks for extra takes, rehearsals, mastering, and additional choices at mixdown; digital cut, copy and paste editing with move, erase and undo/redo; digital input from 2-track source (CD, DAT, etc.) and 2-track digital output (S/PDIF optical); full MIDI control.

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| *FD-4 | Mfr. List $599.00 | Call For BSW Prices |
| *FD-8 | Mfr. List $899.00 | Call For BSW Prices |

## ROLAND

### VS-1680 - Digital Audio Workstation

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

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

## ROLAND

### VS-880EX - Digital Audio Workstation

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

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| VS880EX | w/2 GB hard drive | Mfr. List | $2,195.00 |
| VSCDR | CD recorder w/cables & software | Mfr. List | $750.00 |
| *VS880TC | hardshell case | Mfr. List | $150.00 |

**Call For BSW Prices**

## SONY

### MDM-X4MKII - Multitrack MD Recorder

The MDM-X4MKII builds on the success of the MDM-X4 by adding a number of new features for high quality 4-track digital recording and smooth, easy editing. **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; simultaneous operation of multiple MDM-X4MKII units; Hot Start memory buffer for instant playback; auto punch in/out function; ±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.

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| MDM-X4MKII | Mfr. List $895.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## TASCAM

### DA-88 - Digital Audio Recorder

Tascam's DA88 digital 8-track recorder utilizes the readily available Hi-8, 8mm tape format, offering CD quality recordings up to 100 minutes in length on a standard 120 minute tape.

**Features:** rugged transport construction; rugged and reliable tape format; gapless, seamless punch in/out with advanced digital crossfading technology; variable track delay; very easy to use with large transport buttons; super fast FF/REW time (entire tape in just 80 seconds); locator jog/shuttle wheel; up to sixteen machines can be locked together for 128 tracks.

**Options:** 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.

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| *DA88 | 8 track recorder | Mfr. List | $5,199.00 |
| *RC848 | multiunit controller | Mfr. List | $1,599.00 |
| *RC808 | single unit controller | Mfr. List | $245.00 |
| *SY88 | chase sync. board | Mfr. List | $920.00 |
| *MU8824 | 24-track remote meter unit | Mfr. List | $1,099.00 |
| *IF88AE | AES/SPDIF digital interface | Mfr. List | $1,245.00 |
| *IF88SD | SPDIF digital interface | Mfr. List | $1,499.00 |

Call For BSW Prices

### 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 $2,799.00 |

Call For BSW Price

## For Digital Accessories
## See Pages 78-79

## TASCAM

### 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.

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| 564 | Mfr. List $1,040.00 | Call For BSW Price |

## YAMAHA

### MD4 - Multitrack MD Recorder

This entry-level MD multitracker offers 37 minutes of 4-track recording with MD Data format; punch in/out recording with rehearsal; multiple track ping-ponging; 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.

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| MD4 | Mfr. List $849.00 | Call For BSW Price |

### MD8 - Multitrack MD Recorder

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

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

# Digital Production Systems
Digital Delivery
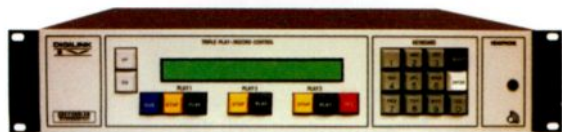
## ARRAKIS



### DIGILINK IV - Digital Audio Storage System

Digilink IV, an award-winning series of multi-deck hard disk digital audio recorders, is the latest addition to the Arrakis product family. Each DL 4 features a digital audio recorder and 3 independent players, all sharing integral hard disk storage of a station's entire audio library. A breakthrough in technology, design, and price, the DL 4 may be used stand-alone, or linked to a common audio library with up to 32 studios! Each studio can use its DL 4 as a live cart machine replacement, with its easy-to-use front panel control & display (no PC or staff training required), or for live-assist and automation applications under the control of your own PC (running Windows 95® and Arrakis DL 4-AUTO control software).

Features: Triple Play with simultaneous record (expandable up to 96 Play & 32 Record events); separate outputs for each playback with console start-stop; cart-like control logic; NOT a PC computer - no fussy networks, no incompatible software or hardware; up to 4 controls may be used at the same time for control from multiple sites; broadcast quality construction & simple, 3 piece, modular design for long life & serviceability; 500,000 hour MTBF hard disk stores audio for instant playback and record; high-reliability switching power supply; ultra-high-performance digital audio motherboard with five DSPs; optional LCD control panel; balanced XLR analog and AES/EBU digital audio I/O; SCSI expansion ports for additional storage; two RS422 and four RS232 control/communication ports.



DL4-LCD1-T
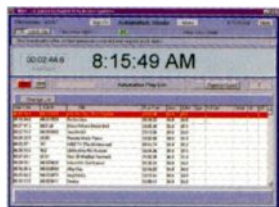


DL4-AUTO

Control Options: Front panel DL4-LCD1-T and DL4-LCD3-P 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. The DL4-LCD1-T is a single cart interface; DL4-LCD3-P is a triple cart interface.

The DL4-JINGLE is a push-button control box with 83 dedicated buttons for playing audio cuts.

Several versions of Arrakis DL4 software are available to be run on a Windows 95 PC computer to control a DL4 workstation. The Live software (DL4-LIVE) features manual cart machine and recorder control. The Live Assist software (DL4-ASSIST) package adds a Scheduled List, Phoner Editor and much more to the manual software. The Automation software (DL4-AUTO) adds full hard disk automation capabilities to the system. (DL4-SCHED) is software dedicated to scheduling.

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| *DL4-600 | 1 GB, 12 hrs storage | Mfr. List | $3,495.00 |
| *DL4-1200P | 2 GB, 24 hrs storage | Mfr. List | $2,995.00 |
| *DL4-4000 | 4 GB, 50 hrs storage | Mfr. List | $4,795.00 |
| *DL4-LCD1T | single cart-style interface | Mfr. List | $750.00 |
| *DL4-LCDR | triple cart-style interface | Mfr. List | $750.00 |
| *GEM7CC | 83 button jingle box | Mfr. List | $1,195.00 |

**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. Options: Trak*Star multitrack editing software; live assist software; news test software; password software.

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

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| *DL3-1000 | 16 hr system | Mfr. List | $7,995.00 |
| *DL3-6000 | 78 hr system | Mfr. List | $9,495.00 |

**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.

TS3-1000 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.

| | | | |
|---|---|---|---|
| *TS3-1000 | Trak*Star workstation | Mfr. List | $5,995.00 |
| *DL38MTL | Trak*Star software for DL3 only | Mfr. List | $995.00 |

**Call For BSW Prices**

* Non-inventory item subject to return restrictions.

## ENCO



### DADpro32 - Digital Audio Delivery System

This powerful digital audio system provides production, management and multi-output reproduction functions for broadcast applications, including live assist, automation or satellite programming. Operating under DOS on commonly available, nonproprietary hardware and network architecture, DADpro32 may be configured for stand-alone use or as multiple workstations sharing a common data base.

DADpro32 is structured as a building-block system, allowing you to purchase only what is required for your specific application, yet it's easily expandable and reconfigurable at any time. No matter what level system is you purchase, every component of the DADpro32 is very intuitive and simple to learn.



Features (production): multiple virtual machines replace racks full of traditional analog equipment; automatic recording and time shifted reproduction; graphic waveform cut/paste assembly, segue and voiceover editing; compatibility with many third-party editing software; direct file transfer capability from Spectral, Inc. editing systems; analog and digital I/O.



Features (on-air): multiple "playback machines" with a variety of interfaces to suit your format and pace: 4 cart machines and a masterlog interface that combines full schedule information with a countdown clock; a unique playlist editor that supports third party scheduling systems; complete library management; integrated script display, automatic spot rotation; optional touch-screen interface.

Features (general): tested turn-key systems available with all hardware and software; individual user setups with password protected security; logic compatibility with external switching, control and reproduction equipment; easily expandable systems; backup and redundancy options.

**\*Call For System Configuration And Pricing**

## 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 and automatically time-record all your satellite actuality feeds. Use with all Windows-compatible sound cards. Requires Pentium computer with Win95 or WinNT, 32 MB of RAM; 17" or larger monitor strongly recommended. Can run stand-alone, or multi-user on a LAN. LANs require a customer-supplied 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.

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|---|---|---|---|
| *WRNEWS32-1ST | 1-user software pak | Mfr. List | $2,495.00 |
| *WRNEWS32-ADDL | additional-user pak | Mfr. List | $1,295.00 |
| *WRNEWS32-10PK | 10-user pak | Mfr. List | $9,995.00 |
| *WRNEWS32-25PK | 25-user pak | Mfr. List | $17,995.00 |

### 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; state-of-the-art P2 or better computer with 3-year warranty, minimum 64MB RAM, 17" .28 color monitor, 1.44FD, keyboard, 650W UPS, 3 Soundblaster GOLD AWE64 cards, PC/ANYWHERE 8.0 and a US Robotics external modem. Price dependent on storage required. Specifications subject to change.

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

| | | | |
|---|---|---|---|
| *SOMR1 | MusicReady software | Mfr. List | $6,995.00 |
| *WR-MR-TK1 | on-air workstation pkg. | Call For BSW Price | |
| *WR-MR-TK2 | production workstation pkg. | Call For BSW Price | |
| | **Call For BSW Prices** | | |

## For Digital Accessories

\* Non-inventory item subject to return restrictions.

## CAKEWALK



### PRO AUDIO 8 - Digital Recording Software

Cakewalk Pro Audio 8 is the new version of the industry's leading MIDI and digital audio software for music and sound creation. It's the professional's choice for producing audio CDs, video sound tracks, broadcast material and multimedia applications. **Features:** records up to 128 tracks of audio along with MIDI, with up to 256 real-time effects; real-time 32-bit stereo effects processing and mixing; supports up to 24-bit audio with up to 96 kHz sampling rate – the highest resolution available in software (requires 24-bit audio card); Cakewalk MIDI FX plug-ins for real-time effects; mixing console display makes it easy to arm and record tracks, apply processing effects, create sub-mixes and automate volume and panning levels – all in real time; unlimited level of undo/redo; synchronize AVI, MPEG and QuickTime video to audio; vector-based audio mixing (non-destructive envelope mixing); extensive toolbars, shortcut keys and command menus; exports audio to .wav format; exports MIDI and audio to RealMedia format for Internet streaming.

| | | |
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| **\*\*PRO AUDIO 8** | Mfr. List $99.00 | **Call For BSW Price** |

## 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:** 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.

| | | |
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| PC010 | SESSION·8 core system | Mfr. List $1,995.00 |
| MH061 | 888 I/O interface | Mfr. List $1,995.00 |
| | **Call For BSW Prices** | |

## DIGIDESIGN
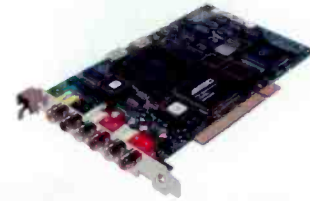


### AUDIOMEDIA III/TOOLBOX - Digital Audio Card/Software

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 the appropriate recording/editing 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 analog I/O; S/PDIF digital I/O. A Macintosh PCI version is also available.

When you need professional features at an affordable price, the Digidesign ToolBox for Macintosh delivers a great combination of software and hardware (call for availability of Windows version). The ToolBox suite includes the AudioMedia III audio card plus Pro Tools 4.2 software, D-fx and D-fi plug-ins and software from BIAS. ProTools 4.2 offers non-destructive recording and editing, automatable digital mixing and extensive plug-in processing options. The D-fx and D-fi plug-ins offer effects such as reverb, chorus, flange and delays as well as the really weird stuff like sci-fi and warped sound. Also included is software from BIAS (Berkeley Integrated Audio Software), including Peak LE and SFX Machine Lite.

Session™ software provides powerful multitrack recording and editing capabilities from your PC. Session runs in Windows 3.1 or Windows 95 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 and much more.

| | | | |
|---|---|---|---|
| MM008 | (AUDIOMEDIAIII) | Mfr. List $795.00 | **Call For BSW Price** |
| **\*\*MB009** | (TOOLBOX) | Mfr. List $895.00 | **Call For BSW Price** |
| **\*\*PS002** | (SESSIONPC) | Mfr. List $199.00 | **Call For BSW Price** |

## DIGITAL AUDIO LABS
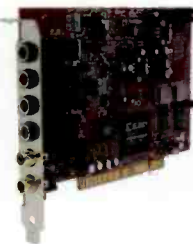


### CARDDELUXE - Digital Audio PCI Card

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

| | | | |
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| CDX01 | CardDeluxe™ | Mfr. List $595.00 | **Call For BSW Price** |

# Listen.

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

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

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

**Listen** to CardDeluxe, from Digital Audio Labs.

## CardDeluxe™

### Features include:

- PCI Interface
- DirectX support
- 8 to 24 bit resolution
- 22 to 96 kHz sampling rate
- Windows 95,98, and NT drivers*
- S/PDIF digital in/out via RCA connectors
- +4/-10 balanced/unbalanced operation
- Analog two channel in/out via 1/4" TRS connectors
- 4 channel operation using both analog and digital
- Slaving of multiple CardDeluxes to single sample clock

| Honest, Real-World Audio Specifications | | |
|---|---|---|
| | Input | Output |
| Analog Channels | 2 Bal TRS | 2 Bal TRS |
| Digital Channels | Stereo S/PDIF | Stereo S/PDIF |
| Nominal Headroom | 15dB | 15dB |
| Full Scale S/N | 108dB | 112dB |
| Dynamic Range | 108dB | 112dB |
| Full Scale S/THD+N (1kHz) | 104dB | 100dB |
| Crosstalk (1kHz) | 110dB | 110dB |
| Freq. Response (20-20kHz) | +/- .05dB | +/- .25dB |

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

$595

## Digital AUDIO LABS

www.digitalaudio.com    612-559-9098

*MacIntosh compatibility - Q2 '99

## EVENT



### LAYLA - Digital Multitrack Recording System

LAYLA is a professional system that consists of a PCI-bus card for your PC equipped with Windows 9S® and a rack-mount audio interface that allows you to connect directly to pro equipment. Features: 24-bit internal signal path; 20-bit A/D and D/A convertors; simultaneous record and playback; supports multiple sample rates; automatic input gain adjustment; software compatibility with a variety of popular programs, including Cakewalk Pro Audio, Cuebase VST, SAW Plus, Sound Forge and more; (also ships with a multitrack recording/editing 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.

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



### 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 9S®-based audio cards can be used with a variety of popular software programs. DARLA Features: PCI bus master interface; 20-bit A/D – 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.

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



### DSP FX VIRTUAL PACK- DirectX Effects Processing Software

Version S.0 of the Virtual Pack contains ten real-time DirectX-compatible audio processing plug-ins: peak limiter, spectral enhancer, stereo reverb, delay, parametric EQ, chorus, analog tape flange, tremolo, stereo pitch-shifter and autopan. Features: graphic user interface; consistent user interface among plug-in modules; MIDI controllable/automatable; extensive on-board presets; support for 24-bit files; save custom parameter settings; requires far less CPU overhead than traditional plug-ins; live input mode allows you to process real-time input; operates in stand-alone mode or within DirectX-compatible applications; full compatibility with DirectX capable audio applications, including Sonic Foundry Sound Forge and ACID, Cakewalk Music Software Cakewalk Pro Audio, Steinberg Cubase VST, Emagic Logic Audio, Syntrillium Cool Edit Pro, IQS SAW Plus 32, and SAWPro.

| | | |
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| **DSPFX | Mfr. List $299.00 | Call For BSW Price |

## IQS



### SAWPRO - Recording/Editing Software

This fourth-generation version of SAW is definitely for pros with 24-bit/96 kHz record and playback capabilities, and DirectX support, allowing you to use your favorite plug-ins LIVE in the SAW multitrack environment. Features: 32 real-time mono/stereo tracks; support of 12 stereo devices equaling 24 physical inputs and outputs; high resolution 3-D graphics; all DSP processing maintained at the 24-bit depth level with 64-bit spillover registers.

| | | |
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| **SAWPRO | Mfr. List $900.00 | Call For BSW Price |



### SAW32/SAWPLUS32 - Recording/Editing Software

These programs represent the third generation of the SAW design. They provide superior performance in Windows NT/9S, with simultaneous playback of up to 32 mono or stereo tracks (16 in SAW32) and support of up to 12 stereo sound cards (six in SAW32). Tons of new features and enhancements, now including DirectX support, make SAW32/SAWPlus32 an invaluable investment for audio pros and enthusiasts alike.

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| **SAW32 | Mfr. List $500.00 | Call For BSW Price |
| **SAWPLUS32 | Mfr. List $700.00 | Call For BSW Price |



### SAWPLUS - Recording/Editing Software

You won't find this value anywhere in digital editing software. For $300 you can turn your PC into a full-fledged DAW with 16 tracks of real-time playback! Used in thousands of radio stations and recording studios, SAWPlus is always a favorite.

| | | |
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| SAW PLUS | Mfr. List $300.00 | Call For BSW Price |

### SAWSTUDIO - Recording/Mixing Software Suite

SAWStudio brings the dream of the "studio in a box" concept closer to reality by combining the SAMM (Software Audio MIDI Mixer) virtual mixing software and SAW hard disk recording technology into one integrated package.

**Call For BSW Price

** Software not returnable.

## LEXICON

### LEXICON STUDIO - Hardware Suite

Lexicon Studio is a combination of hardware components designed to provide superb audio quality without taxing your computer's CPU. This open system allows you to use a variety of software programs for Mac or PC.

The LDI-12T provides 24-bit conversion with balanced XLR I/O plus unbalanced RCA inputs, RCA and optical S/PDIF/ADAT I/O, ADAT sync ports and an RS-422 comm port. The Core-32 PCI audio card provides a 24-bit audio path and can support up to 32 tracks of record and playback with optional I/O expansion. PC-90 LexiChip™ DSP chips add legendary Lexicon effects processing to your system.

**\*\*Price Based On Configuration**

## LUCID TECHNOLOGIES



### ADA1000/PCI24/NB24 - Digital Recording Hardware

Whether you work as a musician/producer or in a broadcast production studio, you can improve your projects and your budget dramatically with the Lucid ADA1000 and your choice of the PCI24 PCI, or NB24 audio cards.

The ADA1000 A/D-D/A converter offers superior sound quality with 20-bit oversampling delta/sigma technology, a +4 dBu interface to your sound card with XLR and 1/4" analog, and AES/EBU or S/PDIF digital ports.

The PCI24 audio card works with your PCI-based computer, and the NB24 is a NuBus card for older Macintosh computers. Both cards feature an on-board 24-bit DSP processor and utilize precision clock oscillators for low jitter. The PCI24 offers AES/EBU and S/PDIF I/O, the NB24 has S/PDIF I/O only.

| | | |
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| *ADA1000 | Mfr. List $599.00 | Call For BSW Price |
| *PCI24 | Mfr. List $449.00 | Call For BSW Price |
| *NB24 | Mfr. List $399.00 | Call For BSW Price |

## MINNETONKA
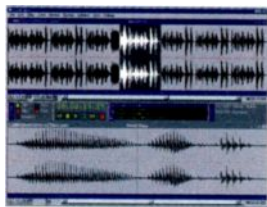


### FASTEDIT32 - Editing Software

This popular editing software now runs even faster and smoother as a 32-bit program. It provides fully nondestructive editing for Windows™ .wav files and now supports DirectX plug-ins. 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); DirectX plug-in interface; 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.

| | | |
|---|---|---|
| **\*\*FASTEDIT32** | Mfr. List $199.00 | Call For BSW Price |

## SEK'D



### 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 from Digital Audio Labs. **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.

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| **\*\*10063 SAMPLITUDE STUDIO** | Mfr. List $599.00 | Call For BSW Price |
| **\*\*SAMPLITUDE PRO** | Mfr. List $199.00 | 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. 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 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.

| | | |
|---|---|---|
| **\*\*WFM44** (Windows) | Mfr. List $298.00 | Call For BSW Price |
| **\*\*MFM44** (Mac) | Mfr. List $298.00 | Call For BSW Price |

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

## SONIC FOUNDRY



### SOUND FORGE 4.5 - Digital Audio Editing Software

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

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|---|---|---|
| SF4500 | Mfr. List $499.00 | Call For BSW Price |

## SYNTRILLIUM



### COOL EDIT PRO - Recording/Editing/Mixing Software

Cool Edit Pro™ is a recording/editing/mixing software suite for Windows™. It's a breeze to learn and use. It packs enough top-quality digital effects modules to fill a room full of equipment racks, and it can mix up to 64 tracks together, using just about any sound card. It's like having thousands of dollars worth of professional audio equipment all in one easy-to-use software package. Cool Edit Pro can work with a single stereo sound card and it also supports multiple sound cards and record play devices so it can grow with your system and needs.

Features: Time display window; level meters and clip indicators; tracks color coded for Mute, Solo and Record; graphic volume and pan envelopes as well as loop, crossfade, zoom and "snap" features; multiple "takes" and multiple undos; SMPTE slave capability.

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

## SONIC FOUNDRY
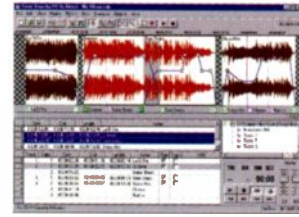


### CD ARCHITECT - CD Creation Software

CD Architect is the perfect solution for designing professional audio CDs to Red Book specs 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.

| | | |
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| **SFCDR4000 | Mfr. List $395.00 | Call For BSW Price |



### ACID PH1 - Music Production Software

Create professional-quality music on your PC with ACID PH1. This incredible music production tool allows you to take short, prerecorded bits of music known as loops (included in the program) and combine them into musical compositions. Features: multiple track looping and editing; change loop tempo or pitch on the fly; automatic matching of loop tempos and pitch; unlimited loop tracks (based on system RAM); includes loop library with hundreds of loops in many different instruments and styles; import .wav or .aif loops; direct output to .wav, .aif, or .asf; add volume, pan and effect level automation for each track; 16- and 24-bit audio support; multiple sound card and multiple audio output support.

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| **ACID | Mfr. List $399.00 | Call For BSW Price |
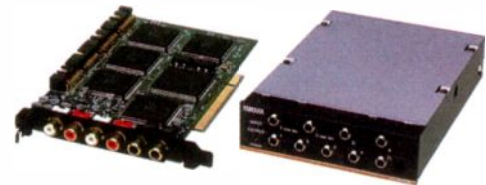
## YAMAHA



### DSP FACTORY DS2416 - Digital Recording Hardware

The DSP2416 DSP Factory offers the mixing power of the Yamaha O2R digital mixer, complete with 24 channels of digital mixing, on-board digital effects and dynamics processors plus 16 tracks of hard disk recording with up to 32-bit resolution. Features: 10 bus outputs and 6 aux sends; 4-band parametric EQ; 26 dynamic processors, 2 effects processors equal in quality to the REV500; channel delay on 20 channels; 8 track simultaneous recording with 16 track playback; stereo digital (coaxial) I/O; multichannel analog and digital I/O with optional interface hardware.

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

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| *DS2416 | Mfr. List $999.00 | Call For BSW Price |
| **MXTRAX | Mfr. List $499.00 | Call For BSW Price |

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

## HBS

### CD Music Libraries

CD and hard drive music libraries feature 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 50s & 60s), 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 the 10 CD, 25 CD, or entire 50 CD set. BSW also carries Valentino production music on CD. And be sure to call us for storage solutions for your sound effect library.

| | | | |
|---|---|---|---|
| **\*SFXCD** | 10 CD Set | Mfr. List Price | $450.00 |
| **\*CD25** | 25 CD Set | Mfr. List Price | $850.00 |
| **\*CD50** | 50 CD Set | Mfr. List Price | $1,399.00 |

**Call For BSW Prices**

## BENCHMARK

### ADA2008 - A-to-D, D-to-A Converter System

The ADA2008 is a bi-directional, four-channel, 20-bit audio A/D, D/A converter housed in a heavy-gauge, RF-tight 1RU chassis. This system is ideal for multichannel recording/monitoring, VTRs and routing switchers. Features: jitter reducing dual phase-locked-loop circuitry; choice of digital interface (XLR, BNC, Optical and more); eight 9-segment digital meters; highest performance and lowest cost per channel; THD+N is -108 dB FS (0.0004%) measured at 1 dB below full scale digital (20 Hz to 20 kHz).

| | | |
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| **\*ADA2008B** (BNC) | Mfr. List $4,200.00 | Call For BSW Price |
| **\*ADA2008R** (XLR) | Mfr. List $4,200.00 | Call For BSW Price |

### DAWI - Digital Audio Workstation Interface

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

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

## CRL

### DAA-50 - Digital Audio Analyzer

For a comprehensive analysis of your digital audio signals, you need CRL's DAA-50. With it, you can receive and decode audio data according to the AES/EBU, IEC958, S/PDIF, and EIAJCP-340 interface standards. Using LED indicators, a variety of information can be attained about the signal: professional/consumer mode, emphasis status, audio/non-audio mode, frequency and more. In addition, the DAA-50 contains a high-quality D/A converter so you can monitor the audio through headphones with fully adjustable volume control. Operates off batteries (rechargeable) or AC with included adapter (also acts as battery charger). Accepts balanced or unbalanced input signals.

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| **\*DAA50** | Mfr. List $595.00 | Call For BSW Price |

\* Non-inventory item subject to return restrictions.

## GRAHAM PATTEN



### ADC-20/DAC-20 - A-to-D/D-to-A Converters

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

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| *ADC20 | Mfr. List $549.00 | Call For BSW Price |
| *DAC20 | Mfr. List $549.00 | Call For BSW Price |



### DMIX-41- Digital Audio Mixer/Sample Rate Converter

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

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| *DMIX41AO (XLR) | Mfr. List $899.00 | Call For BSW Price |
| *DMIX41BO (BNC) | Mfr. List $899.00 | Call For BSW Price |



### DTG-1 - Digital Test Generator

The DTG-1 is an economical source of a variety of audio test signals that are generated entirely in the digital domain and output in the AES/EBU format. Features: selectable output signals including sine waves at 6 frequencies; 1 kHz tone with L/R channel ID; phase ID, sine wave frequency/amplitude sweep/step; white noise, pink noise, silence; front panel dipswitches for setting channel status bits and operating mode; adjustable test levels from 0 to 60 dBFS; AES XLR and BNC output connectors; internal oscillators for 44.1 and 48 kHz sample rates; external reference input.

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| *DTG1 | Mfr. List $749.00 | Call For BSW Price |



### DFADE-2 - 2-Channel Digital Audio Fader

Control the gain of any AES channel pair easily and cost-effectively with the DFADE-2. Features: independent local level adjustment of -18 to +30dB for each channel; independent remote control of channel pan and swap; jumper-selectable 20- or 24-bit signal processing; both XLR and BNC inputs and outputs; LED status indicators.

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| *DFADE2 | Mfr. List $899.00 | Call For BSW Price |

## GRAHAM PATTEN



### DATS-10/DATS-21- Converters

These passive devices allow equipment with balanced AES I/O to be interconnected using 75 ohm coaxial cable. The result is error-free transmission over greater distances that is possible with twisted pair (up to 1000 feet or more with high-quality coax). The DATS-10 is female XLR to BNC; the DATS-21 is male XLR to BNC.

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| DATS10 | Mfr. List $50.00 | Call For BSW Price |
| DATS21 | Mfr. List $50.00 | Call For BSW Price |

## HOSA
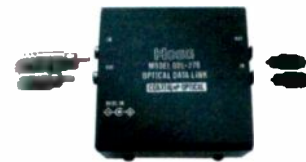


### ODL-276 - Optical Data Link

Transferring digital recordings from one manufacturer's digital recorder to another's isn't always straight forward: some manufacturers' DAT recorders or hard-disk recorders have only optical outputs, and some offer only coaxial inputs, or vice versa. The ODL-276 by Hosa is a high-quality, optical/coaxial converter, allowing simultaneous transfer (dubbing) of two channels of digital audio in either or both directions between S/PDIF-COAXIAL (RCA) and S/PDIF optical (TosLink-type fiber-optic). Now you can still make transfers without leaving the digital realm. An indispensable tool for the digital recordist!

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| *ODL276 | Mfr. List $95.00 | Call For BSW Price |

## LUCID



### AD9624/DA96 - A-to-D and D-to-A Converters

Perfect the audio to your recording equipment with the addition of Lucid's AD9624 and DA9624. Each of these converters bridges the gap between analog and digital equipment with transparent conversion. True 24-bit resolution assures full dynamic range in both A/D and D/A signal paths. Features: 96 kHz conversion for maximum sampling bandwidth; true 24-bit resolution using high precision converters; simultaneous AES-3 (XLR), S/PDIF (coaxial), and S/PDIF (TosLink) digital outputs; 20-segment level LED ladders (input for AD9624 and output for DA9624). Features (AD9624 only): internally generated sample rates of 32, 44.1, 48, 88.2 and 96 kHz; external sync via word clock; user-selectable 16-bit noise shaping.

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| *AD9624 | Mfr. List $899.00 | Call For BSW Price |
| *DA9624 | Mfr. List $749.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## BURK TECHNOLOGY



### EAS - EAS Encoder/Decoder System

From the maker of the trusted ARC-16 remote control system comes this very "broadcast-friendly" EAS system. Features: six balanced audio inputs; one button weekly test is completely self contained, minimizing interruptions to busy operators and reducing training time; familiar telephone-style keypad makes entry fast, easy and natural; 80-character display shows the whole command at once; menus are organized to make routine tasks quick and easy; broadcast-quality audio storage helps maintain a consistent air sound, even in the auto-forward mode; a plain paper printer is included, logging all system activity for you; three RS232 interface ports for computer control and monitoring; works with Burk's ARC-16 and other transmitter remote controls; 600 Ohm balanced output; line/monitor output; eight direct digital inputs and outputs.

Options: RX-4 EAS monitor receiver system with four receiver modules, individually adjustable balanced outputs, built-in selectable monitor amp and speaker (specify AM, FM or NOAA Weather receivers); LX-4 EAS audio switch with four independent program channels that accept one common EAS channel.

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| *EAS | encoder/decoder system | Mfr. List | $2,195.00 |
| *RX4 | monitor receiver system | Mfr. List | $1,195.00 |
| *RX4MODULE | spare receiver module | Mfr. List | $295.00 |
| *LX4 | audio switch | Mfr. List | $495.00 |

**Call For BSW Prices**

## GORMAN-REDLICH



### EAS1 - EAS Encoder/Decoder System

Gorman-Redlich, known to radio stations for years for providing cost-effective, easy-to-use EBS equipment, continues their tradition with the affordable EAS1 EAS system. Features: 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 (specify combination when ordering); five EAS inputs (three receivers, one audio and one RS232/EAS); built-in digital audio recorder and player (15 kHz bandwidth and hours of storage time); internal speaker; multilingual voice-prompted user interface trains operators with each activation and can repeat standard EAS messages in any spoken language; operates from front panel keyboard or PC keyboard; monitor via front panel display or external video monitor; standard parallel printer port (supply your own printer); internal log records all EAS events for the past year; unlimited user-programmable event and location codes; 8 control inputs/8 status outputs; 4 user programmable relays; program audio loop-thru; multiple station operation built in.

The EAS Encoder II software package allows easy message generation from your Windows 95® PC. With it, you can pre-build up to 10,000 events with audio.

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| *3000D | encoder/decoder | Mfr. List $3,199.00 | Call For BSW Price |
| *EASEII | encoder software | Mfr. List $499.00 | Call For BSW Price |

## TFT



### EAS911 - EAS Encoder/Decoder System

With over 20 years of emergency broadcast experience and 4 years of development and testing with the FCC, TFT has developed a comprehensive, yet intuitive and easy to use EAS system—the EAS 911. This modular system can be configured to fit a wide variety of applications. Features: sequentially lighted keys guide operators through EAS tests or alerts with ease; all programming, tests and entry are performed on front panel buttons (no external programming device required); help key provides operational and program assistance; practice key allows off-line operator training; available with up to 10 audio inputs; optional plain paper printer and built-in digital recorder available; control from multiple locations (up to 16) with optional remote control status modules via twisted pair wiring up to 5000 feet away. 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.

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| *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**

**Voice:** 800.426.8434 • **Fax:** 800.231.7055
Website: www.bswusa.com • E-mail: sales@bswusa.com

* Non-inventory item subject to return restrictions.

# AKG

### K141M

A proven workhorse throughout the industry, the closed-ear format K141M has an integrated semi-open venting system behind the transducer giving it punchy, accurate and crisply defined sound. Features flexible steel cable frame and self-adjusting headband. Frequency response is 20 Hz to 20 kHz. Rated impedance 600 ohms.

| K141M | Mfr. List $138.00 | Call For BSW Price |
|---|---|---|

### K240M

The K240M offers accurate reproduction at all listening levels, and good comfort with virtually no fatigue after prolonged use. Frequency response is 15 Hz to 20,000 Hz. 400-600 ohm impedance. Mini-plug with 1/4" adapter.

| K240M | Mfr. List $172.80 | Call For BSW Price |
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# 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.

| ATHD40S | Mfr. List $150.00 | Call For BSW Price |
|---|---|---|
| ATHM40S | Mfr. List $150.00 | Call For BSW Price |

# BEYER

### DT770PRO

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

| DT770PRO | Mfr. List $169.00 | Call For BSW Price |
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# BEYER

### DT131

The affordable DT131 headphones offer natural, transparent sound in an open design. The comfortable unit has a single-sided cable (25 ft.) and soft, replaceable ear pads. Frequency response is 30 Hz to 18 kHz.

| DT131 | Mfr. List $49.00 | Call For BSW Price |
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# 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 |
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# KOSS

### PRO4AA

The PRO4AA 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 ohms at 1 kHz. 1/4" TRS connector.

| PRO4AA | Mfr. List $99.99 | Call For BSW Price |
|---|---|---|

### TD60

This lightweight, sealed-ear stereophone delivers great sound, provides good isolation to help prevent feedback, and is very affordable. Frequency response 25 to 15,000 Hz; 1/4" plug with adaptor for mini jack.

| TD60 | Mfr. List $19.99 | Call For BSW Price |
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## SENNHEISER

### HD25SP

The HD25SP offers a lightweight and comfortable alternative for listeners who spend a great deal of time wearing headphones and need maximum isolation. They are extremely rugged, with low impedance, high sensitivity drivers for unparalleled efficiency. All parts are field replaceable. Frequency response 16 Hz to 22 kHz. Mini plug connector with 1/4" adapter.

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| HD25SP | Mfr. List $149.95 | **Call For BSW Price** |

### HD470

Ultra-lightweight and comfortable, the HD470 has a wide frequency response (22 Hz to 20 kHz) and completely new ergonomic design. It uses lightweight copper voice coils for linear sound reproduction with minimum distortion. Two-year warranty.

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| HD470 | Mfr. List $59.95 | **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 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.

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| *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

### 7506

The 7506 delivers a surprisingly wide frequency range (5 to 30,000 Hz usable) in a comfortable, sealed ear format providing maximum isolation from external sound. Collapsible for storage. Mini-plug connector with 1/4" adapter.

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| 7506 | Mfr. List $170.00 | **Call For BSW Price** |

### 7504 / 7502

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 surprisingly clear sound. Closed ear format. Frequency response is 60 Hz to 18 kHz. Mini-plug connector with 1/4" adapter.

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| 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 Hz to 22 kHz. Also available in a shoulder rest version. 1/4" connector.

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| 101HB | Mfr. List $92.00 | **Call For BSW Price** |

* Non-inventory item subject to return restrictions.

# AKG

### HSC/HSD 200 Series - Headset

These professional and lightweight headsets from AKG come in two microphone models: condenser-electret (HSC) and dynamic (HSD). Both are ideal for noisy environments and feature a shock mount for suppression of structure-borne leakage from the headphones into the microphone. The condenser model (HSC200SR) offers an integrated equalizer for personalized microphone frequency response. Seven soldered jumpers allow various EQ presets to be combined as desired. The dynamic mic (HSD200STD) has a cardioid pickup pattern, impedance 650 ohms, with a transmission range of 50 Hz to 11,000 Hz. Both come with an XLR connector on the mic and 1/4" jack for the headphones.

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| HSC200SR | Mfr. List $275.00 | Call For BSW Price |
| HSD200STD | Mfr. List $265.00 | 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. Optional windscreen available (Calrad 10-9).

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| 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.

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| DT190 | Mfr. List $389.00 | Call For BSW Price |
| DT180 | Mfr. List $329.00 | Call For BSW Price |

# SENNHEISER

### HMD25X-Q - Headset

A very lightweight, durable headset that's comfortable and gives 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.

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| HMD25XQ | Mfr. List $475.00 | Call For BSW Price |

# SHURE

### SM2 - Headset

The Shure SM2 provides maximum comfort, durability and high-quality sound reproduction. Headphone frequency response 100 Hz to 8 kHz; mic response 50 Hz to 15 kHz. Cable detaches from headset and ships unterminated at the other end.

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| SM2 | Mfr. List $366.30 | Call For BSW Price |

# TELEX

### V220 - Headset

This unique headset offers audiophile quality and flexible configurations using modular cord sets and microphones. Construction is super-rugged and comfortable. The earphone section is studio quality and features a unique adjustment for more or less isolation. It also offers a cough switch on cable. Since this set is modular, be sure to order the headphone, mic, and cable set you require.

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| 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
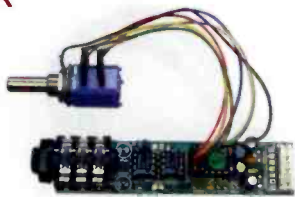
### HPA1 - Headphone Amplifier

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. Kit requires power supply and installation.

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| HPA1 | Mfr. List $70.00 | Call For BSW Price |

## CIRCUITWERKES

### RP-1 - Mic and Headphone Amplifier

The RP-1 combines a high quality mic amp with a headphone amp in one battery-operated package. **Features:** calibrated metering; switchable sinewave oscillator; balanced XLR in/out with gain controls; auxiliary line input; headphones and meter can monitor IFB or program/IFB mix; momentary switch, selectable as cough or PTT.

| | | |
|---|---|---|
| RP1 | Mfr. List $299.00 | Call For BSW Price |

## 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 $279.00 | Call For BSW Price |

## FURMAN

### HDS-6/HR-6 - Headphone Distribution System

This flexible headphone distribution system lets you provide custom headphone mixes for up to 16 people! The rack mount HDS-6 accepts four mono inputs and one stereo input and allows connection of up to eight HR-6 remote mixers. Each remote mixer has control over all 4 mono inputs and the stereo input. Up to two headphones may be plugged into each HR-6. Units are daisy-chained together with standard ethernet cable. One HR-6 is included with the HDS-6.

| | | |
|---|---|---|
| HDS6 Includes 1 HR-6 | Mfr. List $220.00 | Call For BSW Price |
| HR6 | Mfr. List $129.00 | Call For BSW Price |

## FURMAN

### HA-6A - Headphone/ Monitor Amp

Powers up to 6 pairs of headphones with a very generous 20 watts per channel. It can also power one or two sets of small monitor speakers, often saving the cost of an additional power amp. The front panel provides six stereo headphone jacks with independent volume controls and two speaker switches.

| | | |
|---|---|---|
| HA6A | Mfr. List $419.00 | Call For BSW Price |

## JK AUDIO

### Remote Amp - Headphone Amplifier

Remote Amp is a simple battery-powered personal belt clip headphone amplifier. It accepts an XLR input from your mixer, distribution amplifer or phone line hybrid and offers a volume control. The low distortion, 1 watt amplifier will cut through the crowd noise without distortion.

| | | |
|---|---|---|
| REMOTEAMP | Mfr. List $215.00 | Call For BSW Price |

## OZ AUDIO

### HM6 Q-MIX - Headphone Matrix Amp

This unique headphone matrix amplifier can create 6 independent headphone mixes at once. Each output channel can be fed any mix of the main stereo input and the 4 auxiliary inputs. Q-Mix features balanced inputs and a sturdy metal chassis. Great for complicated remotes or busy control rooms.

| | | |
|---|---|---|
| HM6 | Mfr. List $349.00 | Call For BSW Price |

### HR-4 - Headphone Matrix Amp

The HR-4 is a high-power single-rack-space headphone amp with four separate power amplifiers. All four headphone channels can be switched between the main input and individual inputs. Features include front and rear outputs for each headphone channel, individual front volume controls, balanced main line inputs and built-in power supply.

| | | |
|---|---|---|
| HR4 | Mfr. List $219.00 | Call For BSW Price |

## RANE

### HC6 - Headphone Amplifier

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

### RA62 - Headphone Amplifier

This inexpensive headphone amp offers 6 stereo channels with independent output controls on each channel. The stereo input includes a pan control and a mono switch to mix two mono sources. Insert jacks are provided so each can be used independently.

RA62HA      Mfr. List $190.00      **Call For BSW Price**

### 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 adapter included.

HA43      Mfr. List $100.00      **Call For BSW Price**

## SYMETRIX

### 304 - Headphone Amplifier

This 1-input 4-output headphone amplifier is the improved version of the popular SX204. It utilizes proprietary high voltage converter technology to drive high impedance headphones, while providing more than ample power for low impedance phones. It features individual volume controls for each channel plus a master input volume control, pass-thru jacks to permit daisy-chaining of multiple units and balanced or unbalanced 1/4" input.

304SYM      Mfr. List $299.00      **Call For BSW Price**

## APHEX

### 124A - Interface Amplifier

Easily interfaces consumer audio equipment to professional studio and broadcast facilities with superior audio specifications. Active, servo-balanced circuitry converts +4 dBm (or +8 dBm) line levels to -10 dBm (hi-fi) levels, and back again. XLR and RCA type connectors enable quick hook-up.

| | | |
|---|---|---|
| 124A | Mfr. List $229.00 | **Call For BSW Price** |
| 44008SA rack kit | Mfr. List $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 the DP100 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). Rack mount and desk mount kits are avaliable as options.

| | | | |
|---|---|---|---|
| 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 | $225.00 |
| SUM100 | stereo to mono summing amp. | Mfr. List | $215.00 |
| 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.

Hum Eliminator HE (2-channel) and HE-8 (8-channel) eliminate ground loop hum and convert back and forth between balanced and unbalanced signals at either end.

| | | |
|---|---|---|
| LLS | Mfr. List $89.95 | Call For BSW Price |
| LLS-8 | Mfr. List $344.95 | Call For BSW Price |
| HE | Mfr. List $74.95 | Call For BSW Price |
| HE8 | Mfr. List $284.95 | Call For BSW Price |

## ESE

### ES-244 - Audio Level Interface

This quality stereo, bi-directional coupling unit provides a simple, cost-effective means of connecting equipment with unbalanced, -10 dBv inputs/outputs to equipment with balanced, +4 or +8 dBm inputs/outputs. 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 unit | Mfr. List $235.00 | Call For BSW Price |

## HENRY ENGINEERING

### MATCHBOXII/TWINMATCH - Interface Amplifiers

MatchboxII is an ideal and inexpensive way to correctly interface 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 |

## 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 |
| STA2 | High Output Audio Line Amplifier | $143.00 |
| 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 |
| STIC1 | Intercom Amplifier | $120.00 |
| STMA2 | Muting Monitor Amplifier | $79.00 |
| 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 |
| STRX2 | Audio Routing Switcher | $98.00 |
| 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 |
| STGLA1 | Gated Line Amplifier | $120.00 |
| STGSP1 | Gated Speech Preamplifier | $120.00 |
| 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 |

### Call For BSW Prices
*Power supplies must be ordered separately

# RDL

## STICK-ON SERIES - Continued

| Model | Description | Mfr. List |
|---|---|---|
| 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-16S Hz) | $113.00 |
| STCX1F | Full Range Crossover (100 Hz-30 kHz) | $113.00 |
| STTC1 | Telephone System Coupler | $96.00 |
| STD1S0 | 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 S units from one power supply | $64.00 |

**Call For BSW Prices**
*Power supplies must be ordered separately

## STR-19 SERIES - Stick-On Series Rack Mount Units

Easily mount your RDL Stick-On series audio/electrical units in one 19" rack mount system. Each holds 10 or 12 stick-ons with velcro attachments and allows for uncomplicated cable harnessing. STR-19A mounts up to 12 stick-ons in compact 19" rack mount. STR-19B mounts up to 10 Stick-Ons at an angle, allowing for easier adjustments of all Stick-On units.

| STR19A | Mfr. List $123.00 | Call For BSW Price |
| STR19B | Mfr. List $146.00 | Call For BSW Price |
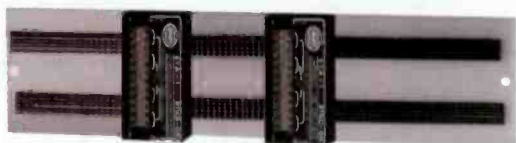
## SMK-12 - Stick-On Series Mounting Kit

The SMK-12 allows removable surface or edge mounting of RDL Stick-Ons onto a panel with velcro fasteners. Panel attaches to surface with screws or foam adhesive pads.

| SMK12 | Mfr. List $23.00 | Call For BSW Price |

## RU-LA2D/RU-BLA2 - Interface Amplifiers

These compact units offer outstanding audio performance and flexibility. The RU-LA2D is a bi-directional impedance matching device for conversion from +4 balanced to -10 unbalanced equipment and vice-versa with XLR, RCA and barrier block connections. The RU-BLA2 is designed to drive and/or buffer balanced audio lines. 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 $238.00 | 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 interfacing a consumer CD player to pro audio equipment.

CD100X          Mfr. List $109.00          Call For BSW Price

# SYMETRIX

## 303 - Interface Amplifer

This stereo level matching amplifier accepts balanced or unbalanced outputs. Use it to interface a consumer DAT or cassette recorder to your recording console or to other +4 dBu nominal level equipment. **Features:** simple, affordable conversion of consumer audio; XLR and RCA input and output jacks; external power supply; half-rack-size unit.

303          Mfr. List $199.00          Call For BSW Price

## 307 - Dual Isolation Transformer

The Symetrix 307 isolates ground, positive and negative audio paths to break up ground loops and improve overall system performance. The two input and two output isolation box interfaces balanced and unbalanced devices. **Features:** two high-performance audio transformers; euroblock terminal connectors for quick installation; increased resistance to RF interference; flexible grounding options; half-rack-size unit.

307          Mfr. List $199.00          Call For BSW Price

# BENCHMARK

## AUDIO WORLD - Audio Interface

The Audio World™ interface combines a two-way recorder interface with switch selectable operation as a line amplifier or mono mix amplifier. **Features:** high-quality balanced inputs and outputs; separate R&L input and output gain controls; channel reverse switch; LEDs for switch mode indication, signal present, overload and power.

AUDIOWORLD          Mfr. List $225.00          Call For BSW Price

## BROADCAST TOOLS



### 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; operates independently or paired for latched or momentary outputs; momentary or continuous inputs; onboard DIP switches allow 2 dozen configuration combinations; compatible with TTL/CMOS logic levels, open collectors, contact closures or any voltage between 5 and 28 vdc/vAC; can monitor telephone ring voltage; requires 12 to 18 vAC or 14 to 28 vdc power (12 vAC transformer supplied); I/O connections via wire captive terminals; supplied in a compact, flanged aluminum case with mounting holes. **Options:** RM-3 19" rack adapter (holds 2 units).

| UI4II | Mfr. List $139.00 | Call For BSW Price |
|---|---|---|



### PBB-24 - Programmable Button Box

The PBB-24 provides 24 SPST buttons that may be used to remote control external equipment, and/or be configured to generate user programmable ASCII strings which are output to the provided RS-232 serial port. **Features:** switch covers provide insertable imprinted legends through the slot of a clear switch cover top; 24 SPST N.O. heavy duty silent switches; twelve character-printable ASCII serial strings per switch; non-volatile program memory; power and data activity LEDs.

| PBB24 | Mfr. List $299.00 | Call For BSW Price |
|---|---|---|



### 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; 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



### Stereo Audio Switcher/Router Series

**SS2.1/BNC** offers passive switching/routing with 2 composite audio, video, or AES/EBU inputs to 2 composite audio, video, or AES/EBU outputs. **Features:** remote control/status; RS-485 multi-drop serial port; last selected source memory; BNC connectors.

**SS2.1/TERM** offers passive switching/routing with 2 stereo inputs to one stereo output or vice-versa. **Features:** remote control/status; RS-485 multi-drop serial port; last selected source memory; pluggable screw terminal connectors.

**SS3.1** passively switches or routes three stereo inputs to one stereo output or vice-versa. **Features:** step input with manual or automatic sequencing; remote control/status; RS-485 serial port; input one is normally routed to the output; gold contact relays; balanced I/O.

**3X2B** is designed to accommodate 3 stereo inputs and 2 stereo outputs. The inputs may be assigned to either or both stereo outputs. **Features:** multi-turn input trimmers; remote control via serial port or contact closures; two control modes (alternate action mix mode and latching control); cascade multiple units; active balanced I/O.

**6X1G** passively switches or routes 6 stereo inputs to a single stereo out. **Features:** front panel selection switches with LED indicators; front panel safety lockout; programmable power-up selection; output muting; remote control with status; remote step input; RS-232 serial port; balanced I/O.

**8X1 DAS** routes any one of eight AES/EBU digital inputs to split outputs.

**8X2D** accommodates 8 stereo inputs, 2 stereo and 2 mono outputs controlled via front panel switches with LED status indicators. **Features:** internal silence sensor with LED indicator; multi-turn input trimmers; programmable power-up selection; output muting; remote control with status; remote step input; RS-232 serial port; active balanced I/O.

**SS8.2** provides active crosspoint switching with 8 stereo inputs, 2 stereo plus 2 mono outputs.

**10X1** passively switches or routes 10 stereo inputs to one stereo output or vice-versa. **Features:** front panel selection switches with LED indicators; front panel safety lockout; programmable power-up selection; output muting; remote control with status; remote step input; RS-232 serial port; balanced I/O.

**SS12.4** accommodates 12 stereo inputs and 4 stereo outputs with matrix-style audio routing. **Features:** front panel 16-character, 2-line display shows source and destination descriptions; rotary encoder knob; three switching modes (mix, overlap and immediate); multi-turn input and output trimmers; RS-232 and RS-485 ports; optional remote control units.

**SM6** lets six stereo inputs feed a single stereo output (or dual mono). Sources are added to the mix via front panel push-button select switches. **Features:** 15-turn input trim pots; supports balanced or unbalanced sources.

| SS2.1/BNC | Mfr. List $159.00 |
|---|---|
| SS2.1/TERM | Mfr. List $159.00 |
| SS3.1 | Mfr. List $169.00 |
| 3X2 | Mfr. List $399.00 |
| 6X1G | Mfr. List $399.00 |
| 8X1DAS | Mfr. List $479.00 |
| 8X2D | Mfr. List $629.00 |
| 10X1 | Mfr. List $529.00 |
| SS8.2 | Mfr. List $729.00 |
| SS12.4 | Mfr. List $899.00 |
| SM6 | Mfr. List $349.00 |

Call For BSW Prices

# Switcher tools

## SS 2.1/TERM
*Stereo Audio Switcher/Router*

Passive switching/routing with 2 stereo inputs to one stereo output or vice-versa.

## SS 2.1/BNC
*Composite - AES/EBU Switcher/Router*

Passive switching/routing with 2 composite audio, video or AES-EBU inputs to 2 composite audio, video or AES-EBU outputs, or vice-versa.

## 3X2B *Dual Stereo Audio Switcher*

Active crosspoint switcher with 3 stereo inputs and 2 stereo outputs.

## SS 3.1 *Stereo Audio Switcher/Router*

Passive switching/routing with 3 stereo inputs and one stereo output or vice-versa.

## 6X1G *Stereo Audio Switcher/Router*

Passive switching/routing with 6 stereo inputs and one stereo output, or vice-versa.

## SS 8.2 *Stereo Crosspoint Audio Switcher*

Crosspoint switching/routing with 8 stereo inputs, 2 stereo plus 2 mono outputs.

## 10X1B *Stereo Audio Switcher/Router*

Passive switching/routing with 10 stereo inputs and one stereo output or vice-versa.

## 8X2D *Dual Stereo Audio Switcher*

Active crosspoint switcher with 8 stereo inputs, 2 stereo plus 2 mono outputs.

## SS 12.4 *Stereo Crosspoint Audio Switcher*

Active crosspoint switching with 12 stereo inputs and 4 stereo outputs.

## 8X1 DAS *Digital Audio Switcher*

Routes any one of eight AES/EBU digital inputs to split outputs.

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# Satellite tools

## XP-3 *Transponder Controller*

Provides remote crystal/transponder selection for the Scientific Atlanta, Comtech/Fairchild and Ariel receivers.

## USC-16
*Universal Satellite Channel Controller*

Offers remote control capabilities with multiple channel/memory selection for the Scientific-Atlanta 7300/DAT-32 series, ENCORE, DSR-3610 and AD-4595; Comtech/Fairchild DART-384, and Ariel type receivers.
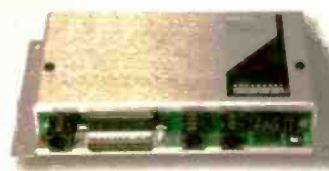
## DSC-20 *Dual Satellite Controller*

Adds remote control capability to the Scientific-Atlanta Encore, DSR-3610, AD-4595, Virtex StarGuide II and Com Stream receivers, allowing memory/service - audio changing by automation systems or contact closures.

# BROADCAST tools inc.

## BROADCAST TOOLS



ICM-16 Controller

ICM-16/OEM

ICM-16/RM

ICM-16/DT

ICM-16/CM

### ICM-16 - Studio Intercom System

The ICM-16 offers connectivity for up to 16 studios using standard, off-the-shelf category 3, 4, or 5 network cable utilizing RJ-45 modular connectors. One ICM-16 controller controls up to eight intercom stations. One additional controller may be added for up to 16 intercom stations. There are three intercom station interfaces to choose from, all featuring a 20-key pad for selecting individual stations, groups or all call. ICM-16/DT is a 6.2" x 6" desktop box. ICM-16/RM is a 3-space rack mount version. ICM-16/OEM is a key-panel-only version for custom installations. ICM-16/CM is a console module. Features: send audio level control; mute control on each intercom station; call-indicator open collector output; transformer balanced send audio; active balanced receive audio.

*16 Station System Under $4,000.00 Mfr. List   Call For BSW Pricing

## BURK TECHNOLOGY



### LX1 - Stereo Selector

Features: 1x6 stereo source selector with "soft" switching (no pops or clicks); MIX mode, which allows multiple sources to be on the air with properly maintained levels; LOOP mode, which provides a send and return for an outboard audio processor or recorder; can be controlled from front panel, studio or remote control; start automation or tape with machine-follow outputs; matches IHF or PRO inputs; excellent audio specs; multicolored LED program level meters; all connections via plug-in screw-type connectors.

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

## CONEX



### AS101 - Audio Routing Switcher

Silent, active switching for studio routing and monitoring. Features: allows any one of 10 stereo sources to be switched to the stereo output channel; switching is accomplished by pressing one of the buttons on the front panel, or via the optional remote control; several remote controls may be connected in parallel, and all will indicate the selected channel.

| AS101 | 10 x 1 stereo switch | Mfr. List  $962.00 | Call For BSW Price |
| AS401 | remote control | Mfr. List  $161.25 | Call For BSW Price |

## HENRY ENGINEERING



### SUPERELAY - Utility Control Interface

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; provides six double-throw relay outputs for low-voltage and audio switching plus an AC output switched with a solid-state synchronous relay; includes internal flasher unit and 24v dc power supply.

SUPERELAY           Mfr. List  $250.00        Call For BSW Price



### STEREOSWITCH - Stereo Switcher

StereoSwitch is a cost-effective way to remotely select between 3 stereo sources. Features: sealed relays with gold-plated contacts; no circuitry in the audio path, for totally transparent source selection; controlled with any momentary or maintained contact closure, open collector, TTL/CMOS logic, or DC voltage from 5-24 volts. User can choose which of the three inputs is automatically selected on power-up. Tally outputs provided to drive remote status indicators.

STEREOSWITCH           Mfr. List  $250.00     Call For BSW Price

## LOGITEK



### PRE-6/PRE-10 - Passive Audio Switchers

The PRE-6 provides reliable, economical audio switching in a compact desktop chassis that fits just about anywhere. Features: reliable 6 x 1 passive switching; buttons highlight when depressed; label strip for easy input identification; enclosed, protected terminal block; may also be used as a 1-in/6-out distribution switcher; wire capturing terminal block connectors.

PRE-10 shares the same basic features as the PRE-6, but is configured in a single-space rack mount chassis in which any of 10 inputs can be fed to either of two outputs. Available in mono or stereo configurations.

| PRE6 | 6 x 1 desktop switcher | Mfr. List  $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 | |

Voice: 800.426.8434  •  Fax: 800.231.7055
Website: www.bswusa.com  •  E-mail: sales@bswusa.com

* Non-inventory item subject to return restrictions.

## LOGITEK

### MON-10 - Multisource Meter/Monitor

This very handy unit not only feeds any of 10 stereo inputs to a single stereo output, it allows you to meter and monitor any selected source. Features: built-in 6 watt power amp with front panel speaker (fed a mono sum of A+B); front panel headphone jack; multirange meter with input selection for A channel, B channel, A+B or A-B; designation strip; self-indicating buttons; all connections via wire captive terminal blocks.

| MON10 | Mfr List $855.00 | Call For BSW Price |
|---|---|---|

## RDL

### RU-SX4 - Audio Switcher

A very compact audio switcher (mono 4x1) for either local or remote control. Features: 4 line level bridging inputs to a single line level output (balanced or unbalanced); front panel multi-turn trimmers; solid state audio switching; multiple switching control points; switcher powers up in the "off" position (no audio input selected); front panel pushbutton steps through audio sources (can be set to bypass unused inputs during source selection); remote source selection via normally open momentary switch (each time the button is pushed the RU-SX4 advances to the next audio source); 1/2 second audio-on delay prevents annoying bursts of audio while stepping through audio inputs; each selected source provides an open-collector output on the rear panel for remote source indication; front panel LED indicators show selected source. See page 86 for Stick-On™ Series switcher.

| RUSX4 | Mfr. List $249.00 | Call For BSW Price |
|---|---|---|

## TITUS

### MLW-1/MLW-8 - Audio Routers

The MLW-1 intelligent router can automatically detect and correct for a loss of stereo channel, phase problems or silence in a stereo program path. Features: 3 balanced bridging stereo inputs feeding a single balanced stereo output; metering for L, R, L+R and L-R; automatic mode plus 6 manual modes (bypass, out-of-phase, sum, difference, duplicate); alarm for loss of channel or signal.

MLW-8 offers two 4x4 matrix-style routers that feature push-button patching (two 16-button arrays with LED indicators) and 20 memory presets. Perfect for use with VTR's or multitrack audio systems.

| *MLW1 | Mfr. List $1,800.00 | Call For BSW Price |
|---|---|---|
| *MLW8 | Mfr. List $1,995.00 | Call For BSW Price |

## ADC

### PRO PATCH PULL-OUT SERIES - Patchbays

These pull-out versions of the popular ProPatch™ audio patch panel are designed for truck or studio applications where front access to terminations is needed. Features: rear panel design eliminates the need for rear access by sliding the jacks and terminations forward out of the rack, providing access to the QCP (quick connect punchdown) terminations mounted on the bottom of the tray; terminates up to 96 circuits in one rack space. Options: QCP or EDAC connectors; bantam or longframe models; normals brought out; normalled strapped at jacks; half-normalled; stub end umbilical configurations.

**Call BSW For Price And Configuration**

### PROPATCH MARK II - Patchbays

Widely used in a number of pro audio industries, this very popular patchbay series offers absolutely bulletproof performance. Features: 48 TRS longframe jack points; available in 1 and 2 rack-height versions; fully enclosed ProPatch chassis protects all the internal patchbay wiring; cable support bar helps take strain off connections; wire fanning strips organize cables; designation strip system with replaceable cards; front panel and rear panels remove easily for service without removing the unit from the rack; includes ADC's Ultra Patch termination panels with QCP connectors that provide a "gas tight" connection that will not deteriorate over time.

**Call BSW For Price And Configuration**
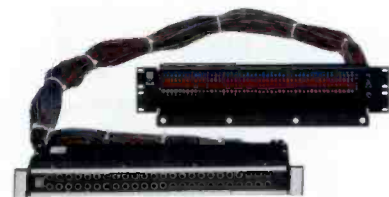
### BJF MARK II SERIES - Patchbays

The best features of the ProPatch™ Series are incorporated into the BJF Mark II Series of patchbays. Features: front and back panels separated with a cable harness in between; standard harness length is 4' but any custom length can be ordered.

**\*Call BSW For Price And Configuration**

### PJ390 - Jack Panel

Two rows of 26 longframe jacks for your own custom wiring applications.

| PJ390 | Mfr. List $212.05 | Call For BSW Price |
|---|---|---|

\* Non-inventory item subject to return restrictions.

## ADC



### P-KIT SERIES - Patch Kits

These economical kits have many of the features of the pre-assembled patch bays, but in a package designed specifically for the do-it-yourselfer. Simply add your own cable and termination panel.

| | | |
|---|---|---|
| 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-KITB1 2RU | panel/bantam jacks 2x48 | Mfr. List $305.00 |

**Call For BSW Prices**



### PRO PATCH CORDS

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

### LONGFRAME PATCH CORDS

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

## AVR
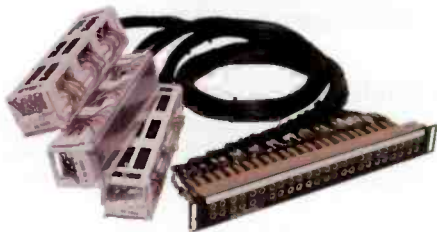


### PRE-WIRED SERIES - Patch Systems

Every AVR patchbay is manufactured to your exacting specifications, using only high quality, industry standard components. AVR offers the widest selection of configurations and terminations available for virtually any audio/video application. Available with either standard 5' cable harnessing (custom lengths available), or the rugged Performa-Patch fully enclosed chassis for maximum protection.

**\*Call For Pricing And Configurations**

## FURMAN
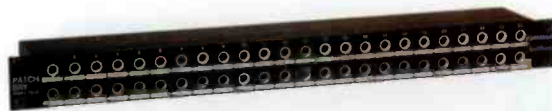


### PB-48 SERIES - Patchbays

The PB-48 and PB-48D are professional patch bay systems featuring a full 48 patch points. Each is housed in a sturdy, heavy-gauge steel single-rack-space chassis. **Features:** PB-48 modules accommodate 1/4" TRS phone jacks that may be used with balanced or unbalanced systems; PB-48 modular construction and removable front panel makes customizing easy, even while rack is mounted; PB-48D provides 1/4" TRS phone jacks in front and six 25-pin D-sub connectors on rear panel (per Tascam® DA-88 wiring standards); half-normal wiring is standard (may be defeated if desired with no soldering or cutting required); fully enclosed construction provides excellent shielding from noise sources; highly reliable contacts.

| | | |
|---|---|---|
| *PB-48 | 1/4" TRS (balanced) front and back | Mfr. List $169.00 |
| *PB-48D | 1/4" TRS (balanced) front and back | Mfr. List $229.00 |
| *PATCHT | TRS to TRS patch cord set (10) | Mfr. List $22.00 |

**Call For BSW Prices**

## MIDDLE ATLANTIC



### 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 |
| *PB32W | 12 1/4" and 20 RCA circuits | Mfr. List $185.00 |
| *CUPC245 | 1/4" to 1/4" patch cords (set of 8) | Mfr. List $20.00 |
| *CUPC145 | RCA to RCA patch cords (set of 8) | Mfr. List $15.00 |
| *CUPC945 | TRS to TRS patch cords (set of 8) | Mfr. List $27.50 |

**Call For BSW Prices**

\* Non-inventory item subject to return restrictions.

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## audio-technica.

# 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; includes stand adapter and windscreen; requires phantom power. **Optional Accessories:** GS-5 windscreen.

| | | |
|---|---|---|
| C414BULS | Mfr. List | $1,332.00 |

**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 | $460.00 |

**Call For BSW Price**

# ALESIS/GT ELECTRONICS

### AM51/AM52 - FET Mic

**Type:** FET; **Pickup Pattern AM51:** cardioid. **Patterns AM52:** cardioid, omnidirectional and figure-8. **Features:** high SPL handling capability; switchable -10 dB pad; switchable LF roll-off (80Hz); includes stand mount and hard-shell case.

| | | |
|---|---|---|
| AM51 | Mfr. List | $549.00 |
| AM52 | Mfr. List | $699.00 |

**Call For BSW Prices**

# AUDIO TECHNICA

### AT4050/CM5 - 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.

| | | |
|---|---|---|
| AT4050CM5 | Mfr. List | $995.00 |

**Call For BSW Price**

### AT4033/SM - Condenser Mic

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

| | | |
|---|---|---|
| AT4033SM | Mfr. List | $725.00 |

**Call For BSW Price**

### AT4060 - Tube Mic

**Type:** vacuum tube capacitor. **Pickup Pattern:** cardioid. **Features:** low self-noise; high max SPL; wide dynamic range; includes power supply with rack adapters, shock mount, 10- meter cable, AC power cable and protective mic carrying case.

| | | |
|---|---|---|
| AT4060 | Mfr. List | $1,695.00 |

**Call For BSW Price**

### ATM25 - Dynamic Mic

**Type:** dynamic. **Pickup Pattern:** cardioid. **Features:** high SPL handling capability; warm low frequency response; suitable for instrument and voice applications; includes built-in adjustable angle stand clamp.

| | | |
|---|---|---|
| ATM25 | Mfr. List | $275.00 |

**Call For BSW Price**
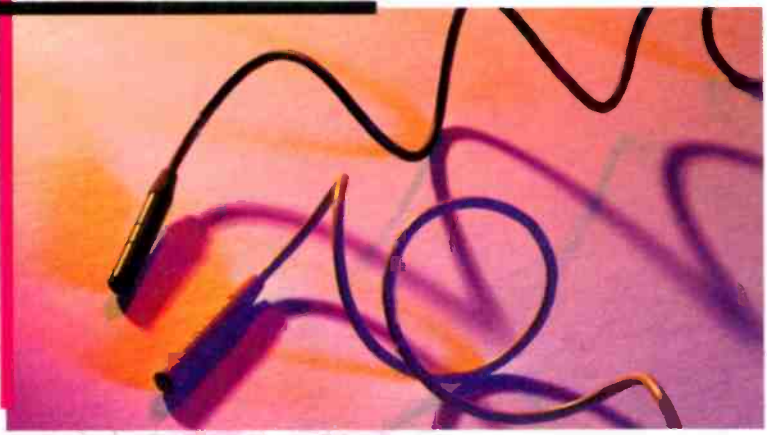
## AUDIX

### CX101/CX111 - Condenser Mic

Type: large capsule condenser. Pickup Pattern: cardioid. Features: very low noise floor (17 dBA); rugged brass housing with black satin finish; CX111 includes a -10 dB pad and bass roll-off switch; both mics include a shock mount and aluminum carrying case. Optional Accessories: 2-channel phantom power supply and windscreen.

| | |
|---|---|
| CX101 | Mfr. List $499.00 |
| CX111 | Mfr. List $599.00 |

**Call For BSW Prices**

## BEYER

### MCE90 - Condenser Mic

Type: large diaphragm electret condenser. Pickup Pattern: cardioid. Features: wide range; flat frequency response; high SPL capability; switchable pre-attenuation and low-cut filter. Optional Accessories: GS-5 windscreen.

| | |
|---|---|
| MCE90 | Mfr. List $649.00 |

**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 kHz; includes stand clamp. Optional Accessories: 309A spider shock mount; 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 shock mount; WS87 windscreen.

| | |
|---|---|
| TLM103 | Mfr. List $995.00 |

**Call For BSW Price**

### M147 - Vacuum Tube Condenser Mic

Type: vacuum tube condenser. Pickup Pattern: cardioid. Features: extremely low self-noise; dual diaphragm capsule; transformerless circuitry; includes metal swivel stand, universal power supply, cable and aluminum carrying case. Optional Accessories: EA1 spider shock mount; WS87 windscreen.

| | |
|---|---|
| M147 | Mfr. List $1,995.00 |

**Call For BSW Price**

### U87AI - Multi-Pattern Condenser Mic

Type: large-diaphragm condenser. Pickup Pattern(s): cardioid, omnidirectional and figure-8. Features: exceptional warmth and clarity; 115 dB dynamic range; 20 to 20,000 Hz frequency range. Optional Accessories: EA87 spider shockmount (also sold together with cable and windscreen as Set Z); SG367 swivel mount; WS87 windscreen.

| | |
|---|---|
| U87AI | Mfr. List $2,725.00 |

**Call For BSW Price**

## NEUMANN

### TLM193 - Cardioid Condenser Mic

Type: large diaphragm, double membrane condenser. Pickup Pattern: cardioid. Features: very low self noise (10 dB-A); extremely clear; warm sound; 130 dB dynamic range; precision German craftsmanship; includes swivel mount and wooden box. Optional Accessories: EA193 spider shockmount; WS89 windscreen.

| | |
|---|---|
| **TLM193** | **Mfr. List $995.00** |
| | **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.

| | |
|---|---|
| **NT1RODE** | **Mfr. List $349.00** |
| | **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; -10 dB 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** |

### BROADCASTER - Condenser Mic

Type: large diaphragm condenser. Pickup Pattern(s): cardioid. Features: ultra-low noise; switch-controllable red "ON-AIR" indicator light; gold-sputtered pressure gradient transducer; voice-tailored low-cut filter; pop filtering; internally shock-mounted capsule; rugged stainless steel body.

| | |
|---|---|
| **NT3** | **Mfr. List $499.00** |
| | **Call For BSW Price** |

## RØDE

### Classic - Tube Mic

Type: large diaphragm tube mic. Pickup Pattern(s): nine selectable polar patterns including cardioid, omnidirectional, figure 8. Features: dual pressure gradient transducer with large gold-sputtered diaphragm; mint 6072 twin triode tube; internally shock mounted; valve preamplifier; -10 and -20 dBV pads (switched from the remote power supply); two slopes of high-pass filtering. Includes custom aluminum flight case, power supply and cable.

| | |
|---|---|
| **CLASSIC** | **Mfr. List $1,999.00** |
| | **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

### KSM32SL - Condenser Mic

Type: large diaphragm condenser. Pickup Pattern(s): cardioid. Features: extended frequency response for open, natural sound; exceptionally low self noise; gold-layered, ultra-thin diaphragm; transformerless preamplifier circuitry; 15 dB attenuation switch; low-frequency filter and three-stage pop protection. Champagne-colored model includes locking aluminum carrying case, elastic suspension shock mount and swivel mount.

| | |
|---|---|
| **KSM32SL** | **Mfr. List $1,029.00** |
| | **Call For BSW Price** |

### 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 $584.00** |
| | **Call For BSW Price** |

## AUDIO TECHNICA

### AT804 - Dynamic Mic

Type: dynamic. Pickup Pattern: omnidirectional. Features: excellent interview mic; super rugged construction; frequency response 50 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

### OM6 - Dynamic Mic

Type: dynamic. Pickup Pattern: hypercardioid. Features: designed for voice; high output with natural, undistorted sound; extended low end response; high SPL levels without distortion; low handling noise; superior off-axis rejection. Optional Accessories: WS900 series windscreen; M25 cable.

OM6    Mfr. List $349.00
OM5    Mfr. List $299.00
**Call For BSW Prices**

## BEYER

### M01 - Dynamic Mic

Type: dynamic. Pickup Pattern: supercardioid. Features: excellent off-axis rejection; internal shock suspension; on/off switch; very affordable; includes stand clamp and zippered case. Optional Accessories: WS600 series windscreen; M25 mic cable.

M01    Mfr. List $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.
MCE58 is a condenser mic version for DAT and MD recording.

M58    Mfr. List $259.00
MCE58    Mfr. List $399.00
**Call For BSW Prices**

## ELECTRO-VOICE

### 635N/D - Dynamic Mic

Type: dynamic. Pickup Pattern: omnidirectional. Features: N/DYM™ magnet provides increased output and sensitivity; rugged construction; includes stand clamp and un-terminated cable; beige or black. Optional Accessories: WS600 series windscreen.

635ND    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; includes stand clamp and unterminated cable; beige or black. Optional Accessories: WS600 series windscreen.

635A   standard length   Mfr. List $166.00
635L   extended length   Mfr. List $184.00
**Call For BSW Prices**

### 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.

RE45ND    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 $544.00**     **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 $146.00**
> **Call For BSW Price**

### SM58LC - Dynamic Mic

**Type:** dynamic. **Pickup Pattern:** cardioid. **Features:** world standard vocal mic; distinctive vocal presence peak; integral windscreen; includes stand clamp and case; **Optional Accessories:** WS900 series windscreen; M25 mic cable.

> **SM58LC**     **Mfr. List $188.00**
> **Call For BSW Price**

### BG2.1 - Dynamic Mic

**Type:** dynamic. **Pickup Pattern:** cardioid. **Features:** great for vocals; high output neodymium magnet for extra punch; hardened, steel mesh grille with built-in pop filter; frequency response 70 to 13,000 Hz; 15 ft. XLR-to-XLR cable, storage bag and break resistant swivel adapter.

> **BG2.1**     **Mfr. List $105.00**
> **Call For BSW Price**

## SHURE

### VP64 - Dynamic Mic

**Type:** dynamic. **Pickup Pattern:** omnidirectional. **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 $118.00**
> **Call For BSW Price**

### BETA58A - Dynamic Mic

**Type:** dynamic. **Pickup Pattern:** super-cardioid. **Features:** warmth of an original SM58 with an even smoother presence rise and extended top end; superior shock isolation and tight polar pattern help eliminate unwanted handling and background noise; includes stand clamp and case; **Optional Accessories:** WS900 series windscreen; M25 mic cable.

> **BETA58A**     **Mfr. List $332.50**
> **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 $542.50**
> **Call For BSW Price**

**Don't See the Microphone You're Looking for? Just Ask.**
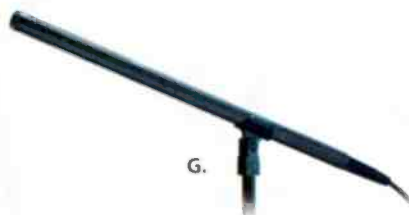**This Catalog Contains Only a Sample of the Microphones We Carry.**
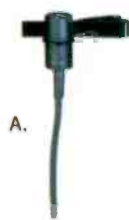
## A. AUDIO TECHNICA AT803B - Lavalier Mic

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

| AT803B | Mfr. List $190.00 | Call For BSW Price |

## B. BEYER MCE715 - Lavalier Mic

Type: electret condenser lavalier. Pickup Pattern(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 B5W 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 B5W 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; includes windscreen. Requires K6 power module for battery or phantom power. Optional Accessories: right angle cable; various mounting clips .

| MKE102S-60 | MKE102 w/cable, tie clip | Mfr. List | $357.00 |
| MKE1045-60 | MKE104 w/cable, tie clip | Mfr. List | $357.00 |
| K6 | Power Module | Mfr. List | $285.00 |
| | Call For BSW Prices | | |

## E. SHURE MX180 SERIES - Lavalier Mics

Type: electret condenser lavalier. Pickup Pattern(s): omin, 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 Series | 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; comes with mesh windscreen, single horizontal and vertical tie clips, and mic case. Requires AA battery or 48 volt phantom power. Optional Accessories: various mounting clips, multi-colored urethane windscreens, power supply holder clip

| ECM55B | Mfr. List $375.00 | 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; comes with windscreen, battery and carrying case. AT815B has slightly extended reach and LF response; Both mics require "AA" battery or phantom power. 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. SENNHEISER ME66 - Short Shotgun Mic

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

| ME66 | Mfr. List $279.00 | Call For B5W Price |
| K6 | Mfr. List $285.00 | Call For BSW Price |

## I. SHURE SM89 - Shotgun Mic

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

| SM89 | Mfr. List $1,112.40 | Call For BSW Price |

## J. 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.1 | battery/phantom/XLR | Mfr. List $499.00 | Call For BSW Price |
| MCE87S | camcorder version | Mfr. List $459.00 | Call For BSW Price |

K.

M.

L.

N.

O.

P.

Q.

R.

S.

## K. ELECTRO-VOICE ENG618 - Integrated Boom Shotgun Mic

Type: condenser. Pickup Pattern(s): hypercardioid. Features: highly directional and easy to hold; 18 in. to 25 ft. coverage; extremely lightweight (just 2 lbs.) and perfectly balanced; phantom or battery powered; built-in headphone amp with adjustable gain; telescoping boom arm which extends to 6 ft.

| | | |
|---|---|---|
| ENG618 | Mfr. List $1,160.00 | Call For BSW Price |

## L. AKG C400BL - Boundary Mic

Type: condenser. Pickup Pattern(s): hypercardioid. Features: excellent for table tops, lecterns, 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 $153.60 | Call For BSW Price |

## M. AUDIO TECHNICA AT857QMA - Gooseneck Mic

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

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

## N. 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 |

## O. 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; includes mic stand clamp. Requires AA battery or phantom power.

| | | |
|---|---|---|
| PZM | Mfr. List $99.00 | Call For BSW Price |

## P. BEYER MCE82 - Stereo Mic

Type: condenser. Pickup Pattern(s): two condenser capsules with cardioid polar patterns. Features: angular width 90° (± 45° of the microphone axis); elastic transducer suspension system; switchable bass roll-off switch; battery or phantom powered; LED indicator for battery condition.

| | | |
|---|---|---|
| MCE82 | Mfr. List $699.00 | Call For BSW Price |

## Q. 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 Series | Mfr. List $300.00-$330.00 | Call For BSW Price |

## R. SHURE VP88 - Stereo Mic

Type: condenser. Pickup Pattern(s): M-S stereo. Features: adjustable stereo width control and direct mid and side element output; fully mono compatible; includes windscreen, stand clamp and XLR "Y" cable. Requires phantom power or internal 6-volt battery. Optional Accessories: A88SM shock mount; A88ZK zeppelin windscreen kit.

| | | |
|---|---|---|
| VP88 | Mfr. List $1,194.00 | Call For BSW Price |

## S. SHURE MX393 - Boundary Mic

Type: condenser. Pickup Pattern(s): cardioid, supercardioid or omnidirectional (specify one). Features: ideal 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 Series | Mfr. List $310.00-$340.00 | Call For BSW Price |

**Don't See the Microphone
You Are Looking for? Just Ask.
This Catalog Contains Only a Sample of the
Microphones We Carry.**

# AUDIO TECHNICA

## 1100 SERIES - 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 $549.00 |
| ATW1127 | receiver and body pack transmitter | Mfr. List $479.00 |
| MT830CW | lavalier microphone for ATW1127 | Mfr. List $110.00 |

**Call For BSW Prices**

## 1200 SERIES - Wireless Mic Systems

High performance systems with advanced features and superior audio. Features: true diversity reception with two independent RF sections; excellent signal/noise ratio, headroom and dynamic range; choice of 20 VHF frequencies; ground-lift switch. Each system includes the ATW-R12 receiver. Choose from body pack, dynamic handheld, or condenser handheld transmitters.

| | | |
|---|---|---|
| ATW1235 | body-pack system | Mfr. List $650.00 |
| ATW1236 | dynamic handheld system | Mfr. List $798.00 |
| ATW1237 | condenser handheld system | Mfr. List $798.00 |

**Call For BSW Prices**

## 7000 SERIES UHF - Multi-Channel Wireless Mic Systems

The 7000 series from Audio-Technica offers two low-cost UHF systems for guitar and vocals. Features: 100 PLL-synthesized channels selectable via switches on receiver and transmitter; True Diversity operation selects the better signal from two independent receiver sections, reducing drop-outs; interference-resistant UHF band operation; ground-lift switch and adjustable squelch control; balanced XLR and unbalanced 1/4" audio output jacks; operating range of 300 ft. typical. The ATW-7375 UniPak™ Transmitter system includes receiver and transmitter (add from a number of wireless mic or cable options). The transmitter includes Super Hi-Z input that provides optimum load for guitar pickups. ATW-7376 includes receiver and handheld mic/transmitter featuring a dynamic element with internal shock mounting.

| | | |
|---|---|---|
| ATW7375 | receiver and transmitter | Mfr. List $975.00 |
| ATW7376 | receiver and handheld mic/transmitter | Mfr. List $995.00 |

**Call For BSW Prices**

# SENNHEISER

## 1000 SERIES UHF - Wireless Mic Systems

Outstanding performance in an ultra-reliable UHF system that is engineered for the rigors of broadcasting. Features: up to 16 frequencies; unique slide-on rack ears let you configure single or dual rack systems in seconds; excellent receiving range; very reliable UHF transmission; includes carrying case – plus even a battery and cable for plugging into your system.

| | | |
|---|---|---|
| *SET1083U | MKE-2 lav. system | Mfr. List $1,795.00 |
| *SET1081U | handheld system | Mfr. List $1,695.00 |

**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 receiver; battery fuel gauge to show how much power is left; half-rack width, metal chassis; 5-segment RF and audio metering; unbalanced and balanced XLR, mic/line switchable outputs; handheld and lavalier transmitters with popular Shure microphone elements that are perfectly matched to the system electronics.

| | | |
|---|---|---|
| SC24/58 | SM58 handheld system | Mfr. List $1,068.00 |
| SC14/83 | omni lavalier system | Mfr. List $966.00 |

**Call For BSW Prices**

## LX SERIES VHF - Wireless Mic Systems

Features: 5-segment RF level meters for A and B antennas; 5-segment audio level indicator; easily accessible noise-sensing squelch adjustment; half-rack width, metal chassis; 3-segment transmitter battery fuel gauge to show how much power is left; unbalanced and balanced XLR, mic/line switchable outputs; transmitters engineered with Shure's renowned components and designed to correspond flawlessly with system electronics; audio muting.

| | | |
|---|---|---|
| LX24/58 | SM58 handheld system | Mfr. List $852.00 |
| LX14/83 | omni lavalier system | Mfr. List $768.00 |

**Call For BSW Prices**

## SHURE



### 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; transmitters offer 12 hour battery life; receivers may be linked together; LCD display; and more.

**Call For System Configurations** And BSW Prices



### UT SERIES - UHF Wireless Mic Systems

Shure's UT series offers five application-specific UHF systems. All systems offer MARCAD® diversity technology and noise squelch circuitry. Each system is composed of a body pack or handheld transmitter and a receiver. Available microphone elements include the SM58, BG3.1 and WL185. Features: operating distance up to 300 ft.; up to 8 available frequencies per location; system distortion 0.1% THD typical; signal/noise ratio 90 dB.

**Call For System Configurations** And BSW Prices

## SONY



### FREEDOM SERIES - Wireless UHF Mic Systems

Features: 800 MHz UHF transmission quality with 94 selectable 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. The 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.

The WRT-801A68 is a rack-mountable modular receiver is also available with tuner slots for six simultaneous microphones.

| | | | |
|---|---|---|---|
| WRT-8HP68 | handheld system | Mfr. List | $1,095.00 |
| WRT-8LP68 | lavalier system | Mfr. List | $1,095.00 |
| *WRT-801A68 | 6-channel rack mountable receiver | Mfr. List | $990.00 |

**Call For BSW Prices**

## TELEX



### UR-700 - Wireless Mic Systems

The affordable UR-700 operates in the less crowded UHF frequency band of 690-725 MHz, helping assure interference-free performance. Features: auto diversity circuit that utilizes both antennas at all times; front-panel LED indicators for RF, diversity and audio level status; squelch adjustment; dual TNC connectors for antenna mounting; balanced XLR mic level and adjustable unbalanced line level outputs. Systems include receiver plus handheld mic transmitter or beltpack transmitter with choice of lavalier mic elements.

| | | | |
|---|---|---|---|
| *UR700H | handheld system with cardioid mic element | Mfr. List | $675.00 |
| *UR700C | lavalier system with cardioid mic element | Mfr. List | $625.00 |
| *UR700L | lavalier system w/ omnidirect. mic element | Mfr. List | $617.00 |

**Call For BSW Prices**



### USR-100 - Wireless Mic System

The Telex USR-100 wireless receiver features an on-board programmable microprocessor which allows the marriage of digital precision with real analog sound to provide the best of both technologies. The available 100 channels cover a full 12 MHz, virtually assuring multi-unit performance in even the harshest of RF environments. The LT-100 beltpack transmitter offers 100 tunable channels, selectable hi/low power output and adjustable mic gain. The SH-100 handheld transmitter can be ordered with a Telex cardioid electret mic element (CE8) or Audix cardioid dynamic mic element (OM3).

| | | | |
|---|---|---|---|
| *USR100 | UHF receiver | Mfr. List | $525.00 |
| *LT100 | portable beltpack UHF transmitter | Mfr. List | $505.00 |
| *SH100CE8 | handheld UHF transmitter w/Telex mic | Mfr. List | $595.00 |
| *SH100OM3 | handheld UHF transmitter w/Audix mic | Mfr. List | $615.00 |

**Call For BSW Prices**

## VEGA



### U2020 UHF - Wireless Mic System

A very affordable UHF wireless mic system with maximum frequency agility. Features: 100 selectable frequencies (including new HDTV safe 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 lavalier system with LM-215X utility microphone. U2020H5 handheld system includes Electro-Voice N/D557 microphone element. Other handheld systems are available with N/D267, N/D767 and N/D967 microphone elements.

| | | | |
|---|---|---|---|
| *U2020BPM | omni lavalier system | Mfr. List | $945.00 |
| *U2020H5 | handheld system | Mfr. List | $1,020.00 |

**Call For BSW Prices**

* Non-inventory item subject to return restrictions.

## APHEX

### 107 - Thermionic Tube Mic Preamp

Features: two-channel preamp combines the best attributes of both tube and solid state providing unmatched performance; hot and quiet with up to 64 dB of gain available and noise spec of -128 dBu worst case at max gain; switchable 20 dB pad; low cut filter; phase reverse switch; phantom power. Balanced TRS outputs.

| | | |
|---|---|---|
| 107 | Mfr. List $449.00 | **Call For BSW Price** |

## ART

### PRO MPA/DUAL MP - Tube Mic Preamps

PRO MPA Features: transformerless design throughout; VU & LED multi-point level metering; 12AX7A tube/triple differential hybrid circuit design; >100 dB dynamic range; two independent channels of amplification; balanced XLR and unbalanced 1/4" outputs. DUAL MP Features: affordable two-channel unit; low distortion; switchable phantom power; two ranges of input gain; phase reversal switch; balanced XLR and unbalanced 1/4" outs.

| | | |
|---|---|---|
| 210 (PRO MPA) | Mfr. List $649.00 | **Call For BSW Price** |
| 254 (Dual MP) | Mfr. List $349.00 | **Call For BSW Price** |

### TUBE PAC - Tube Mic Preamp/Compressor

The Tube PAC from ART is a combination of its most popular tube mic/line preamplifier and optical tube compressor. Features: mic/line preamp offers over 70 dB of gain, 48v phantom power and phase reversal; LED level indicators to monitor the output of the 12AX7a tube for harmonic content; tube compressor is a VCA-less, optical design – similar to that of the "classic" tube compressors; threshold, compression/limiting ratios, adjustable release times, bypass, gain reduction metering and output gain controls are provided.

| | | |
|---|---|---|
| 131ART (Tube PAC) | Mfr. List $279.00 | **Call For BSW Price** |

## ATI

### M100 ULTIMIKE - Mic Preamp

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

| | | |
|---|---|---|
| M100 | Mfr. List $399.00 | **Call For BSW Price** |

## BENCHMARK

### MICMAN JR - Mic Preamp

The MicMan™ Jr. is a high quality, low cost stereo microphone preamp system intended for portable as well as fixed operation. Its low noise and wide gain range make it ideal for portable situations where unknown sound pressure levels are expected. Features: stereo or dual preamplification; +12 or +48 volt microphone power; internal battery and external AC power; up to 8 hrs. operation with alkaline batteries; front-panel gain controls and max gain limit trim; LED power indication; balanced XLR I/Os.

| | | |
|---|---|---|
| MICMANJR | Mfr. List $425.00 | **Call For BSW Price** |

## BELLARI

### RP520/RP220 - Dual Tube Mic Preamps

Feature (both models): utilizes 12AX7A tubes in a unique configuration to give smooth controllable gain with true transformer balanced inputs; gain and volume controls and 5-segment output level LEDs; I/Os are selectable for mic or line levels and offer both balanced XLR and unbalanced 1/4" connections. RP520 adds analog metering for consistent sound creation.

| | | |
|---|---|---|
| RP520 | Mfr. List $600.00 | **Call For BSW Price** |
| RP220 | Mfr. List $500.00 | **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** |

## GRAHAM-PATTEN

### DMIC-20 - Digital Mic Preamp

The DMIC-20 combines two low-noise analog mic preamps and a precision 20-bit analog to digital converter in a compact, rugged aluminum enclosure. Input sensitivity is adjustable to accommodate a wide range of microphone types, and LED indicators are provided for monitoring input levels. Features: 48-volt phantom power; AES/EBU outputs available on both balanced (XLR) and unbalanced (BNC) connectors; two balanced XLR mic level inputs.

| | | |
|---|---|---|
| *DMIC20/48 | Mfr. List $599.00 | **Call For BSW Price** |

## PRESONUS

### M80 - 8-Channel Mic Preamp

The M80 mic preamp can warm up any digital signal path with wonderful analog sound. Features: eight channel mic preamp, each channel with discrete Class A input amplifiers followed by a twin servo gain stage for ultra low noise and wide gain control; phantom power; phase reverse; 20 dB pad; rumble filter; +28 dB headroom and full output metering per channel; low impedance stereo mix buss for assigning and panning any channel to the main stereo output connectors; two-rack space, steel chassis; balanced XLR and TRS inputs and outputs; separate send and return jacks for inserting dynamics processors.

| | | |
|---|---|---|
| *M80 | Mfr. List $1,899.00 | 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 15/50/100 Hz low cut filter; 48v phantom power; polarity invert switches; balanced XLR and TRS outputs.

| | | |
|---|---|---|
| DMS 22 | Mfr. List $549.00 | Call For BSW Price |

## RDL

### RU-MP2 - Mic Preamp

Features: dual channel unit; low noise audio performance with RF filtered inputs; gain trim controls; selectable phantom power; XLR mic inputs; front (XLR) and rear (barrier strip) line level outputs; requires PS24A power supply. See page 86 for Stick-On Series™ mic preamps.

| | | |
|---|---|---|
| RUMP2 | Mfr. List $299.00 | Call For BSW Price |
| PS24A Power Supply | Mfr. List $17.00 | Call For BSW Price |

## SYMETRIX

### 302 - Dual Mic Preamp

Designed for broadcast, sound reinforcement, and digital and analog recording, the 302 offers substantial sonic improvement over stock mixers or console preamps. It features solid stereo imaging, excellent transient response, very low noise and almost undetectable distortion. Features: polarity reversal switches and 15 dB pads on both channels; +48 volt phantom power; gain variable from 20 to 60 dB; works with virtually any professional microphone.

| | | |
|---|---|---|
| 302 | Mfr. List $702.00 | Call For BSW Price |



A.   B.   C.

D.   E.   F.

G.   H.   I.

### 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 three-position attenuator 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 Adapters

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

| | | |
|---|---|---|
| PB23 | Mfr. List $60.00 | Call For BSW Price |
| PB24PS | 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 $333.15 | 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 $119.85 | 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 Adapter

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

| | | |
|---|---|---|
| MICPOWER | Mfr. List $88.95 | 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 $84.00 | Call For BSW Price |

* Non-Inventory item subject to return restrictions.

## AUDIO TECHNICA

### AT8681 UniMix - 2-to-1 Mic Combiner

Combines the output from two microphones into one channel. Includes a balance control between the two inputs.

| AT8681 | Mfr. List $70.00 | Call For BSW Price |

### AT8682 UniGate - Voice-Operated Switch

Automatically attenuates a mic channel when not in use. Adjustable threshold sets the level at which gate opens. LED lights when gate is open.

| AT8682 | Mfr. List $75.00 | Call For BSW Price |

### 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 |

NOTE: Audio Technica AT8681-AT8686 require phantom power to operate.

## SENNHEISER

### BIG EARS - Parabolic Reflector

Big Ears is a true parabolic reflector capable of picking up sounds from well over 200 feet away. At approximately 25" diameter and only 5 lbs., it's perfect for sportscasting, films, ENG, theater, surveillance and news gathering. Made of a patented Kevlar, Buterate and Acrylic combination, it offers remarkable clarity over a wide frequency range. It comes complete with handle and microphone yoke with spaces for mounting wireless equipment. Available in 6 transparent colors. Little Ears are smaller and lower cost.

| *BIG EARS | Mfr. List $1,249.00 | Call For BSW Price |
| *LITTLE EARS | Mfr. List $799.00 | Call For BSW Price |

## MIDDLE ATLANTIC

### GS SERIES - Microphone Pop Filter

An effective way to reduce or eliminate P-popping without sound coloration. **Features:** double nylon screen for superior performance; unobtrusive black 5" filter frame; 13" black gooseneck; brass tipped locking screw prevents scratching of mic stands; replacement screen available.

| GS5 | 5" screen w/gooseneck | Mfr. List $22.25 |
| GSS5 | 5" replacement screen | Mfr. List $17.78 |

**Call For BSW Prices**

## WINDTECH

SMS8 shown with 300 Series

SMS7 shown with S700 Series

63SA shown with 600 Series

MD421U and RE20 shown with WS1

### Windscreens

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). Affordable windscreens for shotgun mics also available.

| Series | Description | Inside Diameter | Mfr. List |
|--------|-------------|-----------------|-----------|
| *WS1 | X-large cylindrical | 2" | $34.95 |
| *900 | large spherical | 1 5/8" | $5.00 |
| *300 | regular spherical | 1 3/8" | $4.85 |
| *600 | small spherical | 1" | $4.35 |
| *5700 | squared cylindrical | 1" | $4.25 |
| *1200 | large cylindrical | 3/4" | $4.00 |
| *1300 | small cylindrical | 5/8" | $3.85 |
| *500 | podium | 1/2" | $3.65 |
| *1100 | lapel | 1/4" | $3.65 |
| *1500 | round lavalier | 3/8" | $3.65 |
| *2300 | mini round lavalier | 3/16" | $3.30 |
| *2100 | teardrop | 1/4" | $3.65 |

* Non-inventory item subject to return restrictions.

## MICROPHONE CABLES AND ACCESSORIES



A. **BSW IC6** - Interview Cable
6' adapter cable interfaces mics with portable recorders. XLR to 1/8" mini.
IC6                     Mfr. List $25.00                **Call For BSW Price**

B. **BSW MC24** - Coiled Mic Cable
Coiled black cable for interviews. 2.5' long retracted; extends to over 10'.
BSWMC24              Mfr. List $39.95                **Call For BSW Price**

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

D. **PROCO M10/M25** - Mic Cables
Quality, low-loss mic cables in 10' or 25' lengths with XLR connectors.
M10                     Mfr. List $16.6S               **Call For BSW Price**
M25                     Mfr. List $23.35               **Call For BSW Price**

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

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

G. **WINDTECH MC11** - Slim Mic Clip
Heavy duty clip for slim mics (.8" to 1" in diameter). Adjustable angle; brass insert with 5/8"-27 threads.
MC11                    Mfr. List $4.75               **Call For BSW Price**

H. **WINDTECH SMC7** - Spring Loaded Mic Clip
Spring clamp type clip fits a wide variety of mics. Adjustable angle; brass insert with 5/8"-27 threads.
SMC7                    Mfr. List $4.50               **Call For BSW Price**

## MICROPHONE STANDS
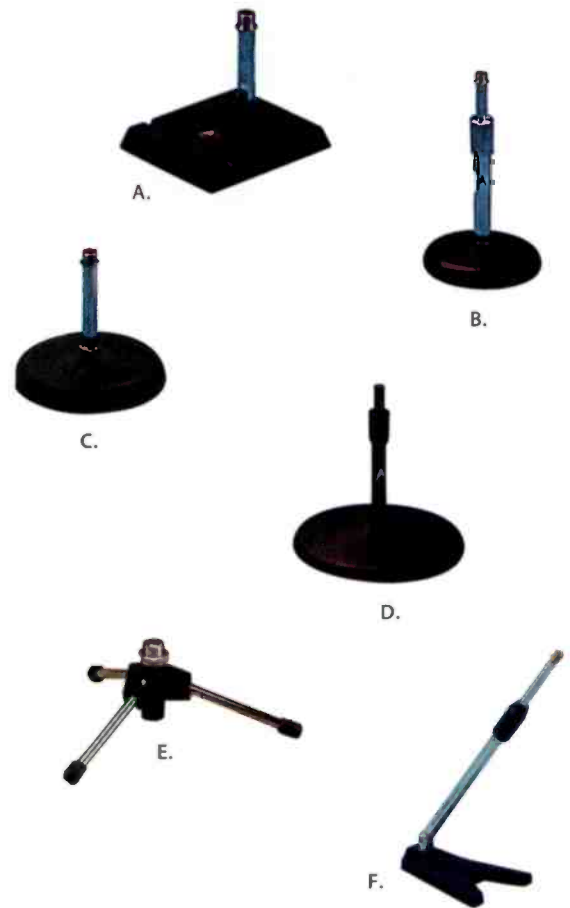


A. **ATLAS DS-2** - Vibration Isolating Stand
Non-adjustable 3" high chrome tube. Non-reflective 4"x 6" charcoal base.
DS2                     Mfr. List $46.53               **Call For BSW Price**

B. **ATLAS DS-7** - Adjustable Desk Stand
Adjustable height 8" to 13". Grip-action clutch. 6" diameter base.
DS7                     Mfr. List $30.38               **Call For BSW Price**

C. **ATLAS DS-5** - General Purpose Stand
Non-adjustable 4" high chrome tube. 6" diameter cast iron charcoal base.
DS5                     Mfr. List $18.93               **Call For BSW Price**

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                  Mfr. List $42.68               **Call For BSW Price**

E. **AKG KM231/1** - Tripod Desk Stand
Legs fold in so stand fits easily into equipment bag or briefcase.
KM231/1               Mfr. List $12.40               **Call For BSW Price**

F. **QUIK LOK A114** - Telescopic Desk Stand
Heavyweight base and pivot feature allow for optimum placement of even heavy studio mics. Adjustable from 16.5" to 23.5".
A114                    Mfr. List $59.95               **Call For BSW Price**

**K. LUXO LM SERIES** - Microphone Booms
LM1 is a 41" extended reach arm for mics weighing up to 1 pound.
LM1-3 is the same basic arm, but holds heavier mics weighing up to
3 pounds. Available in oyster or black color. LM2 is a 26" reach arm
for mics weighing up to 2 pounds. Available in grey color only.
| LM1, LM2, or LM1-3 | Mfr. List $73.95 | Call For BSW Price |
| --- | --- | --- |

**L. LUXO (a,b,c) RISER** - Mic Boom Mounts
Mounting options include a clamp style (model a), a wall mount
(model b), a desktop mount (model c), or a 12" aluminum extension
pedestal. 5pecify black, grey, oyster or unpainted (riser only).
| Model a, b, or c | Mfr. List $13.95 | Call For BSW Price |
| --- | --- | --- |
| Riser | Mfr. List $24.95 | Call For BSW Price |

**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 | Mfr. List $13.95 | Call For BSW Price |
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**N ATLAS BC-1** - Desk Clamp
Bracket-style clamp with 6" chrome tube attaches to tables,
countertops, workstation furniture, etc.
| BC1 | Mfr. List $31.95 | Call For BSW Price |
| --- | --- | --- |

**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 | Mfr. List $8.83 | Call For BSW Price |
| --- | --- | --- |
| GN13 | Mfr. List $13.15 | Call For BSW Price |
| GN19 | Mfr. List $17.35 | Call For BSW Price |

**P. ATLAS CH-1B** - Cable Hanger
Use to hang coiled mic cables or headphones on mic stand.
| CH1B | Mfr. List $20.23 | Call For BSW Price |
| --- | --- | --- |

**Q. ATLAS AD-11B** - Mounting Flange
5/8"-27 female flange with 1 3/4" base diameter. Chrome or black.
| AD11B | Mfr. List $7.70 | Call For BSW Price |
| --- | --- | --- |

**G. 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.
| A205 | Mfr. List $67.95 | Call For BSW Price |
| --- | --- | --- |
| A300 | Mfr. List $39.95 | Call For BSW Price |

**H ATLAS MS-12C** - General Purpose Floor Stand
10" weighted base. Adjustable from 34" to 62". Black or silver.
| MS12C | Mfr. List $49.10 | Call For BSW Price |
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**I. ATLAS TE16-BXE** - Microphone Stand W/Boom
Rugged tripod mic stand with boom. Stand height adjustable from 35"
to 60". Boom extends to 25 1/2". Black.
| TE16BXE | Mfr. List $71.55 | Call For BSW Price |
| --- | --- | --- |

**J. O.C. WHITE 51900** - Microphone Boom
Top-quality 37" heavy-duty mic boom with 12" riser. Gray or black.
| 51900 | Mfr. List $160.00 | Call For BSW Price |
| --- | --- | --- |

## OTARI



### MX5050 SERIES - Broadcast Reel Recorders

The Otari MX5050 series include the MX5050BIII 2-track and MX5050BQIII 4-track. Features: very dependable construction; 3-head design; front panel setup adjustments with built-in oscillator; sophisticated transport with built-in mini auto locator; ±20% pitch control; 37-pin parallel interface; gapless seamless punch in/out (on BQIII) and more. Options: several remote control options and roll-around stand.

| | | |
|---|---|---|
| MXS0S0BIII | Mfr. List $4,4S2.00 | Call For BSW Price |
| *MXS0S0BQIII | Mfr. List $7,636.00 | Call For BSW Price |

## TASCAM



### BR20 - 2-Channel Reel Recorder

The BR20 packs outstanding performance and features into a compact, exceptionally easy-to-use recorder. Features: front panel audio calibration controls; exceptionally smooth operation; switchable 15/7.5 ips tape speed (optional 7.5/3.75 speed available); accurate real-time tape counter with locate points; dump edit, manual edit, stop edit and quick cue modes; independent L/R reel size selectors; built in rack mounting and optional remote control; balanced XLR +4 dBm inputs and outputs.

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| BR20 | Mfr. List $3,399.00 | 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.

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| 32 | Mfr. List $2,599.00 | 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 tabletop edit station. It replaces the two side panels of your machine to give it the perfect tilt angle for editing work. Installation is a breeze using existing screws. Black only.

| | | |
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| PO100 | Mfr. List $99.9S | Call For BSW Price |

## REEL-TO-REEL ACCESSORIES
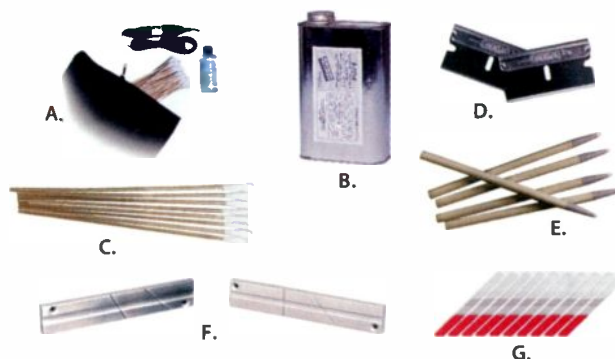


### A. A.R.T. K161S - Recorder Maintenance Kit

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.

| | | |
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| K161S | Mfr. List $70.00 | Call For BSW Price |

### B. A.R.T. S-711 INTRACLEAN - Head Cleaner

Formulated to clean tape heads, tape guides, capstans and pinch rollers. Removes tape oxides, soils and oils with low toxicity and fast drying rate.

| | | | |
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| S721H | 2 oz. bottle | Mfr. List $8.00 | Call For BSW Price |
| S721HQ | quart can | Mfr. List $24.00 | Call For BSW Price |

### C. BSW BCS - Cotton Swabs

Extra-long style for cleaning tape heads that are hard to reach.

| | | | |
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| BCS 100 | 100 pack | Mfr. List $6.9S | Call For BSW Price |
| BCS 500 | 100 pack | Mfr. List $1S.50 | Call For BSW Price |
| BCS 1000 | 1,000 pack | Mfr. List $30.00 | Call For BSW Price |

### D. BSW GEM - Editing Blades

Single-edge razor works with all splice blocks.

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|---|---|---|---|
| GEM | box of 100 | Mfr. List $9.50 | Call For BSW Price |

### E. BSW 164T - Edit Pencils

White China markers are perfect for marking. No sharpening required.

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|---|---|---|---|
| 164T | box of 12 | Mfr. List $19.95 | Call For BSW Price |

### F. XEDIT S3/S3/90 - Splice Blocks

Precision blocks are hand polished. S3 features two cutting angles (45° and 30°). S3/90 offers 45 and 90 degree cutting angles.

| | | |
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| S3 | Mfr. List $72.00 | Call For BSW Price |
| S3/90 | Mfr. List $72.00 | Call For BSW Price |

### G. XEDIT CL1 - Splice Tabs

Each tab has a red non-sticky "handle" that lets you position the tab easily and let go of the splice without pulling it out of place.

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|---|---|---|---|
| CL1 | box of 1,000 | Mfr. List $62.00 | Call For BSW Price |

## BROADCAST TOOLS



### DC-8A - Dial-Up DTMF Controller

This dial-up remote control allows the user to control a facility from any touch-tone® telephone. The DC-8A will answer the phone line after the programmed number of rings (up to 20), accept an access code of up to 8 digits and if valid, will allow the control of 8 form-A relays and the monitoring of 8 logic level status inputs. **Features:** audio hybrid allows user to send and/or receive external audio, while controlling the unit; the pager alert function can activate up to 3 digital pagers and display the telephone number and the status input(s) which triggered the alarm; programming is performed with a standard touch-tone phone; nearly all functions can be programmed remotely; defeatable CPC control; user programmable tone acknowledgment defeat; may be configured for stand alone program DTMF tone decoding; each relay may be configured for momentary, latching or interlocking closures; front panel LED indicators for DTMF tone detection, off-hook (line connected) status, ring signal, and power; open collector outputs for remote ring and off-hook conditions.

| | | |
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| 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.

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| PSC | Mfr. List $399.00 | **Call For BSW Price** |



### SSM - Smart Silence Monitor

The SSM (Smart Silence Monitor) utilizes the innovative "WNSD" circuitry and is designed to monitor any stereo or two independent monaural sources and generate alarms when white noise or silence is detected. **Features:** active balanced inputs with multi-turn trimmers; alarm sensitivity down to 35dB below program; precise time delay from 2 seconds to 93.5 minutes; alarm activity indicators for each channel; two DPDT relays enabling use as a 2x1 program switcher; four open collector function outputs; remote and local defeat and reset inputs; screw style wire captive terminals; optional RM-2 or RM-3 rack mounts for mounting units in a 19" rack. Power adaptor provided.

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| SSM | Mfr. List $209.00 | **Call For BSW Price** |

## BROADCAST TOOLS
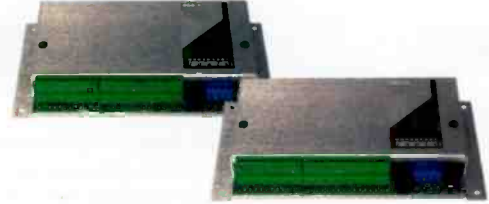


### SRC-8A - Remote Relay Control

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 housed in an aluminum case with mounting holes allowing convenient installation. The optional RM-2 or RM-3 rack mounts may be purchased for mounting units in a 19" rack. Power adapters and serial cables are provided.

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| SRC8A | one-way control | Mfr. List $399.00 | **Call For BSW Price** |
| SRC8B | bi-directional control | Mfr. List $499.00 | **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 never 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 your Windows PC and is designed for use with the ARC-16 containing the computer interface option.

**\*Price Based On Configuration**

## CIRCUITWERKES



### DR-10 - Audio and Control Interface

Control your equipment from anywhere there is a DTMF phone with the DR-10. **Features:** audio hybrid lets you control equipment while monitoring external audio; audio in and out are active balanced with gain controls; password protected; control 10 relays (two are DPDT) that can be momentary, latching or interlocked with other relays; a special momentary-at-end-of-tone mode makes it easy to control automation from the field without getting start tones on the air; relays can be assigned to any tone; anti-falsing and two-tone modes prevent unwanted closures during audio feeds; relays can beep when activated; four status inputs can dial pagers, etc. and can close relays when activated; auxiliary audio input lets you control the DR-10 from an external audio source, with or without telephone connection; status indicators for power, unlocked, DTMF and programming mode; external logic outputs for online and unlocked. Options: Silencer (mutes all DTMF signals so none get on the air); CP-1 call progress detector for PBXs and telcos without normal hang-up signals.

| | | |
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| 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. 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.

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| DTMF16 | Mfr. List $195.00 | Call For BSW Price |
| SILENCER | Mfr. List $149.00 | Call For BSW Price |

## CONEX
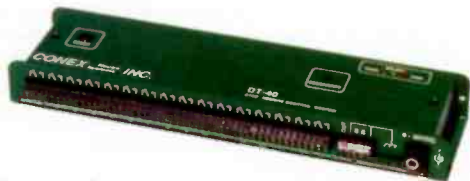


### DT-40 - Remote Control

The DT-40 accepts DTMF tones from an audio line, receiver or other source, accepts a user access code, then allows remote control of sixteen SPDT relays. The relays can be momentary, latching or interlocking. The DT-40 is easy to understand, easy to install, secure and effective. **Features:** Miniature screw-clamp terminal strips for easy connection to your external circuits; relay interlock mode allows easy use as a remote-controlled audio selector; status lights indicate power, DTMF tone detection and unit selected; switch-selectable Device Selection Code allows up to 15 DT-40s to be individually controlled from one audio source.

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| DT40 | Mfr. List $339.00 | Call For BSW Price |

## CONEX



### DT-55 - Remote Control

The DT-55 telephone remote control answers a phone line, accepts a user determined access code, then allows remote control of ten SPDT relays and the remote monitoring of ten external switch contacts or logic levels. The levels are magnetic latching. On power loss and restoration, the relays can retain their prior states or return to the de-activated state. Each relay can be set, cleared or activated momentarily (for the duration of the push-button acuation on the calling telephone). Additionally, the DT-55 can be set up to act in an interlocking mode. When a button is pressed, its associated relay is set and all other relays are cleared. **Features:** Miniature screw-clamp terminal strips for easy connection to your external circuits; easily distinguishable tones indicate the high-low or open-closed status of the ten external inputs; status lights indicate the ringing signal, power, DTMF tone detection, line connection and access; switch-selectable access code; compact size.

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| DT55 | Mfr. List $339.00 | Call For BSW Price |

## GENTNER



### GSC3000 - Remote Site Control

The GSC3000 was developed to address the needs of broadcasters requiring extensive control capabilities. Its modular approach allows it to handle a variety of applications from a single site with minimal requirements to large multi-site networks with extensive requirements. It incorporates several features found in the popular VRC2000 plus new features and capability that leave an open door for system expansion. With the Gentner GSC3000, you can control multiple transmitter sites from your studio, home, car or any location. Simply connect to the GSC3000 via local or wide-area network, personal computer/modem, or by telephone using the optional voice interface. **Features:** site expandability that is easy to manage; control of one or multiple sites; 8 to 256 logical channels of metering, status and command per site; single or multiple PC monitoring sites; friendly Windows® based operation (simply click on the desired area and its information pops up on your screen); PC-based voice/DTMF option allows monitoring and control of multiple site locations from a single dialed number; receive notification by phone, pager or computer; program unit to take its own corrective action; purchase affordable 8 or 16 channel site controllers plus the interface options required for your application.

**Typical 16 Channel Package Under $4,000 Mfr. List**
***BSW System Prices Based On Configuration**

* Non-inventory item subject to return restrictions.

# MOSELEY



## MRC1620 - Remote Control System

The MRC1620 system consists of a remote terminal that allows an optional control terminal or IBM PC with TaskMaster20 software to monitor and control a remote facility from both dedicated and/or dial-up control points. The MRC1620 remote terminal comes equipped with 32 relay isolated command outputs (16 raise/16 lower), 16 TTL status inputs and 16 analog metering inputs with the required terminal connectors.

The remote and control terminals are simple to operate and easy to understand. All status channels are simultaneously displayed on a set of 16 LEDs. The front panel displays read-outs of selected channel number and telemetry data. LEDs indicate operation mode, alarms and other system parameters. During alarm conditions, intelligent automatic corrective action can be taken by the remote terminal under the direction of the TaskMaster20. The remote terminal comes equipped with the appropriate modems to communicate over dedicated circuits (STL/ TSL/ FMSCA, 2/4 wired leased lines or standard dial-up lines).

| *MRC1620RT | remote terminal | Mfr. List $3,450.00 |
|---|---|---|
| *MRC1620CT | control terminal | Mfr. List $1,550.00 |
| *TASK20 | software | Mfr. List $1,150.00 |

**Call For BSW Prices**



## MRC2 - Remote Control System

Multi-site, multifunction, the MRC2 controls and monitors as many as 99 remote sites, with multiple control terminal capability to let you delegate control from master to master as needed. Up to 255 status, 255 telemetry and 255 command channels supervise your sites.

Command, status and telemetry setup is straight forward on the MRC2. Using the remote terminal keyboard and 48 character alphanumeric LED display, the system provides plain English prompting and menu pages for setup selection. Similar procedures are used at the control terminal to set up and verify telemetry limits, assign data links and to set up controlled access for restricted functions.

Several options and configurations available. Call for complete information and pricing.

**\*Prices Based On Configuration**

# SINE SYSTEMS



## RFC-1/B - Remote Control

The RFC-1/B is an affordable fully featured dial-up remote control. It connects to a regular dial-up telephone line and spares you the expense of costly leased line fees. It is programmable and can run fully unattended, or it can be used to make daily readings and adjustments from any telephone that can generate regular DTMF dialing tones. The basic system consists of one RFC-1/B and one RP-8 relay panel. This configuration provides eight channels of telemetry and control via an inexpensive, dial up telephone line. Add up to seven more RP-8 Relay Panels for a total 64 channels of telemetry and control. With the RFC-1/B, you only buy what you need.

A basic system can be installed in about an hour by an experienced engineer. The factory programming can monitor channels for alarm conditions on a percentage change basis. All you do is program a telephone number for alarm calls. If trouble occurs, the RFC-1/B will call and tell you in a natural human voice! With the RFC-1/B, you can program specific alarm limits and have it correct problems rather than waking you up in the middle of the night. You can also have it switch transmitter power levels and make directional pattern changes without operator intervention.

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 RFC-1/B system print your readings with a serial printer. Multiple RFC-1/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 and can monitor 2 audio channels with an adjustable delay time for relay closure.

| RFC1B | remote control | Mfr. List $1,199.00 |
|---|---|---|
| RP8 | relay panel | Mfr. List $399.00 |
| SP8 | surge protector | Mfr. List $129.00 |
| RS232 | printer port | Mfr. List $249.00 |
| ACM-1 | current meter | Mfr. List $99.00 |
| AFS1 | audio fail safe | Mfr. List $249.00 |

**Call For BSW Prices**



## DAI-1 - Dial-Up Audio Interface

The Dial-Up Audio Interface (DAI-1) provides an impressive array of control features. It combines an auto-coupler, a dial-out alarm, two automatic gain controls (AGC's), a DTMF operated equipment controller and an audio switcher into one affordably priced device. The DAI-1 is commonly used to conduct remote broadcasts via an ordinary telephone when the studios are unmanned.

The DAI-1 connects to a telephone line and provides eight open-collector (or relay closure) outputs that can be set in any off/on combination (latched and/or momentary) in response to DTMF tones from a telephone. Audio from the telephone can be sent to the DAI-1 audio outputs, or an audio signal from an external source can be sent through the DAI-1 to the telephone line. In addition, there are four logic-level inputs that respond to signals from outboard equipment and can be used to set output relays or dial the telephone to alert you of a possible alarm situation.

| DAI-1 | Mfr. List $699.00 | Call For BSW Price |
|---|---|---|

## BELAR

### FMMA1 WIZARD™ - Digital FM Modulation Analyzer

The Wizard is a microprocessor-controlled, digital modulation monitor/analyzer, available in FM and AM models that precisely measure peak modulation, peaks per minute, average peak modulation, modulation density and more. The Wizard Software (included with the Wizard) and an IBM-compatible computer enable real-time graphing, logging and remote operation. The FMSA1 combines with the FMMA1 baseband unit to offer DSP-based stereo monitoring.

| | | |
|---|---|---|
| *FMMA1 | FM Wizard | Mfr. List $3,300.00 |
| *FMSA1 | stereo monitor | Mfr. List $3,900.00 |
| *AMMA1 | AM Wizard | Mfr. List $3,300.00 |

Call For BSW Prices

FMM2

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 |
| *AMM2C | AM modulation monitor | Mfr. List | $1,590.00 |
| *AMM3 | AM modulation monitor | Mfr. List | $1,790.00 |
| *AMM4 | AM digital frequency monitor | Mfr. List | $1,390.00 |
| *RFA2 | AM RF amplifier (specify frequency) | Mfr. List | $790.00 |

Call For BSW Prices

## DELTA

### SM-1 - AM Splatter Monitor

Now you can use the same tool that the FCC uses to measure your station's compliance with NRSC and FCC regulations and requirements. Inexpensive and easy to use and interpret.

| | | |
|---|---|---|
| *SM-1 | Mfr. List $4,340.00 | Call For BSW Price |
| *AWA1  active whip antenna | Mfr. List   $755.00 | Call For BSW Price |

## INOVONICS

### 530-00 - FM Off-Air Modulation Analyzer

The 530-00 combines a frequency-agile, wideband FM receiver with very linear demodulation and metering circuitry for precise measurment of FM broadcast carrier modulation. Features: carrier modulation scale displays total modulation or independent positive and negative deviation in three ranges and resolutions; peak hold function and program peak measurement integration; adjustable peak flasher (1% incremens); stereo pilot injection level shown in percent and dB; demodulation stereo program metering has an 80dB range and 1dB resolution for level and noise measurements of the L, R, sum and difference channels; front-panel display of signal strength and multipath effects; tunable receiver with eight presets; automatic switchover to direct RF sample (if desired); continuous coverage of the FM broadcast band; preset alarm indicators for poor reception conditions; manual selection of forced-mono mode and program de-emphasis; headphone jack.

| | | |
|---|---|---|
| *53000 | Mfr. List $2,200.00 | 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. Digital technology improves measurement accuracy by 500% and user-selectable response time allows less processing without sacrificing loudness. Remote software included for dialup access. ModMinder FMMM2 includes an internal demodulator.

| | | |
|---|---|---|
| *FMMM2 | ModMinder W/Demodulator | Mfr. List $3,090.00 |

Call For BSW Prices

* Non-inventory item subject to return restrictions.

## QEI



### 691/01 - FM Modulation Monitor/Test Set

The 691/01 is a highly technical, precision instrument employing a combination of test techniques in a versatile yet very compact package. It was designed to be a complete FM test package with facilities for all proof-of-performance measurements and a wide range of trouble-shooting tests. Operator convenience and simplicity of use were primary considerations in the design of the 691/01. 18 tests can be performed in addition to measuring FM and SCA modulation when used with an oscilloscope.

    *691/01       Mfr. List $6,875.00      **Call For BSW Price**

## TFT



### 844A - FM/Stereo Modulation Monitor

You get everything you need for complete proof-of-performance measurements (for distortion, an external analyzer is needed) right on the front panels, plus accuracy, versatility and convenience no other monitors can match. The 844A FM Monitor combines a tunable RF preselector, a baseband monitor and a stereo monitor in one compact instrument.

    *844A       Mfr. List $5,150.00      **Call For BSW Price**



### 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



### 701-00 - RDS/RBDS "Mini" Encoder

The 701-00 is a unique and inexpensive encoder that, within minutes, will have you broadcasting the radio-data IDs, service flags and text messages which the latest consumer receivers are already seeking. Features: stand-alone operation does not require a dedicated host computer; messages held in non-volatile memory (the encoder may be conveniently programmable, then taken to the final installation site); locks to stereo pilot from bridged composite/MPX sample (no special 19 kHz "sync" port is required); simple menu-driven programming software included.

    *70100       Mfr. List $390.00      **Call For BSW Price**



### 710-00 - RDS/RBDS Encoder

Get on the air quickly with this versatile dual-mode encoder. The 710 is a fully "dynamic" encoder that can be used in tandem with a PC to give you on-line control, or it can operate in "static" mode with up to 15 pre-programmed frame sets that can be selected locally or remotely. Features: unity-gain, loop-through operation with fail safe bypass; phase-locks to stereo pilot or defaults to internal crystal timebase; front-panel or remote message frames selection (automatic sequences through selected message frames); free initial factory programming of the "static" message frames (menu-driven EPROM programming software comes with the 710); no additional hardware required for PC controlled "dynamic" operation (all necessary software is supplied).

    *71000       Mfr. List $995.00      **Call For BSW Price**

* Non-inventory item subject to return restrictions.

## BELAR



### RDS-1 - RDS/RBDS Monitor

The RDS-1 displays RDS/RBDS parameters including RDS injection, stereo pilot injection, RDS/pilot phase error, radio text, alternative frequencies, data channels, groups present, location/navigation, radio paging and more. It also features an RS-232 port for computer display.

*RDS-1     Mfr. List $2,200.00     **Call For BSW Price**

## INOVONICS



### 510-000 - RDS/RBDS Decoder/Reader

A self-contained decoder/reader for radio-data, the 510 easily connects to the composite output jack of any modulation monitor. **Features:** setup mode references to 100% carrier modulation with digital metering of injection level; supports European CENELEC and U.S. NRSC standards; "glossary" utility defines the RDS/RBDS abbreviations; RS-232 port provides a two-way computer interface (software provided); back-lighted LCD panel display; supports groups 0,1,2,3,4,5,6,7,9,14,15.

*510000     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 allowing 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 $689.00     **Call For BSW Price**

## MODULATION SCIENCES



### MSI-320 - Precision Video Demodulator

The MSI-320 precision video demodulator provides advanced, accurate measurement and monitoring of visual and aural signals for TV and cable at an affordable price. **Features:** Nyquist SAW filter; synchronous video detector; continuous all-channel tuning; a high-quality aural composite baseband output; non-intercarrier or quasi-parallel aural, and status alarms for sync, audio and RF; <1.2% differential phase and <1.2% differential gain; easy-to-read and easy-to-set-up front panel display and menus.

*MSI320     Mfr. List $4,950.00     **Call For BSW Price**

## DENON



### TU-1500RDP - AM/FM/RDS Tuner

The TU-1500RD is an affordable AM/FM stereo tuner featuring highly sensitive reception performance and detailed, clear sound. The TU-1500RD is also intuitively easy to use. High sensitivity along with high selectivity ensures clear reception. **Features:** sophisticated tuning circuit design; 4-stage variable capacitors in its front end guarantee accurate tuning of station frequencies; low-impedance output circuit (100 ohms); Radio Data System (RDS) compatible; 40 AM/FM station preset memory; optional rack mount kit (RM-356); optional wireless remote control (RC-158).

TU1500RDP     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** |

* Non-inventory Item subject to return restrictions.

## MARTI

### SR10 - RPU Receiver

The frequency agility and superior selectivity of the Marti SR-10 help you maneuver through the high interference levels that plague today's RPU bands. **Features:** front panel channel selection (12.5 kHz steps) with 6 programmable priority channels that can be scanned or selected (option available for remote channel selection and display); front panel speaker and headphone jack with monitor level control; automatic noise reduction circuit; optional subaudible tone decoding. Frequency agile models now available for the VHF band.

    *SR10          Mfr. List $2,500.00        **Call For BSW Price**

### SRPT-40 - RPU Transmitter

This transmitter results from over 40 years experience with thousands of installations worldwide. The SRPT-40 incorporates all the features found in the popular RPT-30 and adds the ability to change frequency by means of front panel thumbwheel switches. Thanks to new switching power supplies, this transmitter produces 30% more power with 30% less weight and cooler operation. **Features:** 40 watts maximum output power at 400-480 MHz (other bands available); select frequencies directly from front panel; 158 channels; 4 balanced microphone inputs (one switchable to balanced line level); subaudible tone encoder for activating repeaters or other equipment; built-in audio compressor. Frequency agile models now available for the VHF band.

    *SRPT40         Mfr. List $2,795.00       **Call For BSW Price**

### RPT30/RPT15 - Remote Pickup Transmitters

Remotes are a breeze with a Marti Remote Pickup System. The RPT30 transmitter offers 4 balanced mic inputs (one selectable for line level) and a built-in FM compressor providing automatic modulation control.

The RPT15 is a compact 15 watt transmitter that can operate on 115 VAC or 12-14 VDC. It features an XLR mic input, Aux line level input and built-in FM compressor/limiter.

The RPT-2B 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  digital RPL system    Mfr. List $8,250.00   **Call For BSW Price**

## QEI
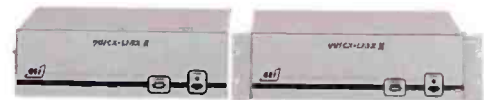
### QUICK-LINK II - Digital Radio Link

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**

* Non-inventory item subject to return restrictions.
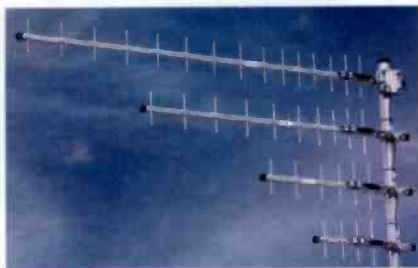
## ANTENNACO



### H SERIES - RPU Yagi Antenna

A heavy-duty yagi with a sealed feed and solid rod elements to withstand the harshest environments. These reliable, 6 element, 9 dBd gain antennas are available in models to cover the 406-512 MHz range. Models for other frequencies and gains are also available.

**\*Call For BSW Pricing**

## 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 broadband 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
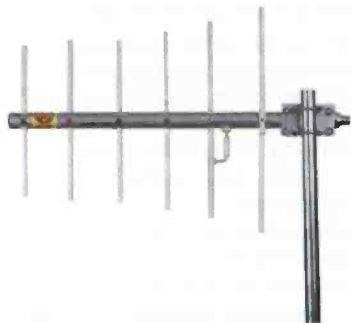


### YC SERIES - Yagi Antenna

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 vehicle's rear bumper.

**\*Call BSW For Pricing And Detailed Specifications**



### HURRY-UP - Telescoping Mast

Here's a simple, inexpensive, and effective portable antenna mast for your remotes. The TMD Hurry-Up mast is designed for fast deployment of lightweight antennas. It consists of 6 graduated aluminum tubes which nest one inside another. The mast is extended by pushing up the sections and fixing them into position using quick lock/release collars. It can be fully extended to 25' in one minute. Hurry-Up's universal vehicle mounting stand allows you to take it on remotes using whatever vehicle is available. Weighs only 20 lbs. with a nested height of 6 ft.

**\*HURRYUP**          Mfr. List $1,510.00          **Call For BSW Price**

\* Non-Inventory item subject to return restrictions.

## 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-1SC transmitter and companion R-1SC receiver form a high quality, frequency synthesized, radio communications link. Depending upon the available channel bandwidth, the systems can transmit composite stereo with two subcarriers, or digital stereo audio when used with external modems. **Features:** unexcelled composite stereo separation, noise and distortion specs; high interference rejection receiver; 9.5 watts of power; new narrow channels provision for automatic switching; two-year limited warranty.

| | | |
|---|---|---|
| *STL15C/R15C | Composite Stereo System | Mfr. List $6,000.00 |

**Call For BSW Price**



### STL10/R10 - STL System

For mono operations or for non-composite stereo applications, choose the STL10 Package. Separate right and left units can be linked for stereo operation with greater interference rejection, superior noise specifications and lower channel crosstalk than most composite systems. Four optional sub-channels are available. **Features:** excellent square wave response; user selectable audio processing; low pass and band pass filtering for minimum overshoot and high selectivity; extensive front panel test features and built-in automatic switching capability.

| | | | |
|---|---|---|---|
| *STL10/R10 | mono system | Mfr. List $3,550.00 | Call For BSW Price |

## MOSELEY



### STARLINK 9003T1 - T1/E1 Audio Transmission System

The Starlink 9003T1 is a powerful, all-digital modular system for transmitting CD quality audio over T1/E1 lines. It provides great flexibility in configuring multiple channel STL/TSL. Perfect for LMAs and duopolys, its configuration options are limited only by the imagination. This system utilizes a range of personality modules and daughter cards in a 3 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 you the power to choose solutions that will work with existing and future investments. Linear digital audio can be delivered by use of a source coder module, a source decoder module, two T1/E1 line drivers, external CSUs and the mainframes. Full duplex T1/E1 audio transmission is possible by the addition of another source encoder and decoder pair. A digital four-port mux allows additional compressed audio channels to be carried by the system. In addition, data and voice cards for transmitter control and operational communications can be added into the system. Several STL/TSL prepackaged 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. **Features:** 90 dB SNR with only .01% distortion; operates in existing channel allocations from 100 to 500 kHz, coexisting with established analog radios; higher system gain (up to 25 dB over analog STLs), constant SNR - unaffected by fades, no crosstalk, no degradation with multiple hops.

The standard system comes equipped with an encoder and decoder for two (right and left) audio channels and one data channel with provisions for up to two auxiliary program channels and one additional data channel.

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|---|---|---|
| *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**

* Non-inventory item subject to return restrictions.

## 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 PCL6020 will offer superior performance. The PCL6030 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 |
| *PCL6030SYS | Mfr. List $9,250.00 | Call For BSW Price |
| *PCL6060 System | Mfr. List $9,950.00 | Call For BSW Price |

## QEI



### CAT-LINK - STL/TSL System

CAT-LINK is a digital STL/TSL system that provides two-way transmission of program material over readily-available T1 telco services. Linear Digital PCM encoding/decoding provides a transparent link to the transmitter without audible delays. CAT-LINK offers multichannel send/receive capabilities for discrete audio, composite audio and digital audio via AES/EBU interface.

**\*Prices Based On Configuration**

## TFT



### 8910 RECITER - STL Receiver/FM Exciter

The Reciter™ combines the function of an STL receiver and an FM exciter with an Intermediate Frequency (IF) interface between them. This allows the cleanest transfer from an analog receiver to an FM exciter available.

| | | |
|---|---|---|
| *8910 | Mfr. List $9,100.00 | Call For BSW Price |

## 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 subcoding 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 |

\* Non-inventory item subject to return restrictions.

## ANDREW



### GRIDPAK - Grid Antennas

Andrew GRIDPAK and Mini GRIDPAK antennas are high-performance, low windload grids. Transportation costs are reduced on these antennas because they are shipped totally disassembled in a lightweight flat package.

**\*Price Based On Size And Configuration**

## MARK



### Grid Antennas

Mark grid antennas are very 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
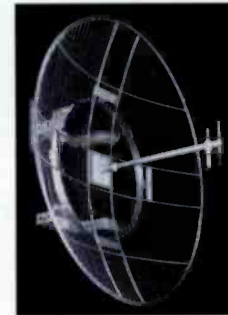


### SC48 - Parabolic Antenna

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**



MF950B                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 MF950B Miniflector® fulfills your antenna needs.

| | | |
|---|---|---|
| **\*PR950** | Mfr. List $650.00 | **Call For BSW Price** |
| **\*MF950B** | Mfr. List $340.00 | **Call For BSW Price** |

\* Non-inventory Item subject to return restrictions.

## 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 | $4,195.00 |
| *FM100T | 100 watt transmitter | Mfr. List | $6,150.00 |
| *FM250T | 250 watt transmitter | Mfr. List | $7,495.00 |
| *FM500T | 500 watt transmitter | Mfr. List | $9,795.00 |
| *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 $3,495.00          **Call For BSW Price**

## QEI



### E SERIES - FM Exciters/Transmitters

The E Series establishes a new level of FM performance with the advantage of highest power emergency back-up available in an exciter style package. QEI took the field-proven design of the model 695 exciter and incorporated high power FET amplifiers to deliver uncompromised performance as a transmitter, exciter, booster or translator (option). **Features:** frequency synthesized in 100 kHz increments (10 kHz optional); phase locked; "on-carrier" direct FM; unconditionally stable solid state amplifier and ultra low distortion, crosstalk and noise. 75 watts to 1000 watts.

**\*Call For BSW Pricing**

## QEI



### QUANTUM SERIES - Solid State FM Transmitters

QEI's Quantum Series of FM broadcast transmitters are totally solid state and provide an unsurpassed broadcast signal with utmost efficiency. All Quantum transmitters under 6 kW fit in a cabinet only 59" high, facilitating air freight shipping and easy installation. Quantum allows you to buy precisely the amount of power you need between 1.2 and 9.6 kilowatts in 600 watt increments. QEI's exclusive cableless, solid state power combiner eliminates all trouble prone connections and high loss cabling. A single phase power supply facilitates installation for a range of applications.

### QUANTUM - Broadband Emergency Transmitters

Now there's a cost-effective alternative for groups desiring complete transmitter backup for multiple frequencies. This broadband line features remote control frequency agility so a single transmitter can back up multiple sites within a given market. Modular systems can be configured to your specific power requirements.

**\*Call For BSW Pricing**



### FMQ SERIES - FM Tube Transmitters

QEI's FMQ Series FM broadcast transmitters are conservatively designed for years of trouble-free service. Available in 3.5, 5, 10, 20 and 30 kW models, these transmitters utilize an inherent broadband design to provide a superb broadcast signal. The FMQ power amplifiers utilize a single triode in grounded grid service. This grounded grid triode design offers inherently greater stability, better performance and is less critical in operation than its tetrode counterparts. FMQ Series transmitters are supplied with the 675B exciter and optionally with the model 695 exciter.

**\*Call For BSW Pricing**

* Non-inventory item subject to return restrictions.

## 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 sidemout with balanced feed design. Jampro antennas are available in a wide variety of power levels and configurations for virtually any application. Over 35 years of manufacturing expertise goes into every antenna, combiner, filter and rigid line component they make.

*Call BSW For Prices And Specifications

## 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 B5W 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 than 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, convection oil-filled (no PCBs) and forced air-cooled loads.

*Prices Based On Configuration

* Non-inventory item subject to return restrictions.

## KINTRONIC LABORATORIES



### Isocouplers

Kintronic Laboratories' Isocouplers provide versatility to existing AM radiating elements by allowing for installation of transmit/receive, FM and TV antennas operating in the frequency range of 30-1000 MHz without disrupting AM antenna characteristics.

**\*Pricing Based On Configuration**

## MODULATION SCIENCES



### CLD2504 - Composite Distribution Amplifier

Modulation Science's one-in four-out Composite DA lets you continuously and simultaneously drive dual main transmitters, back-up transmitters, alternate processor setups, etc.

**\*CLD2504**        Mfr. List  $950.00        Call For BSW Price

## TWR
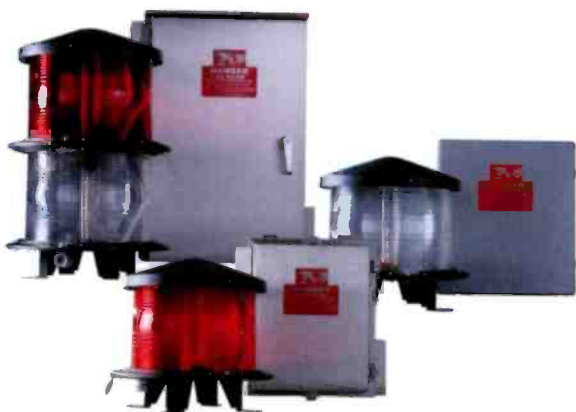


### Lighting Equipment

TWR is a world leader in the design and manufacturing of high quality aviation obstruction lighting. With 20 years experience, their innovative approach to conttstruction, serviceability and ease of installation make them a preferred provider. Along with a complete line of OL (L-810), Red (L-864), White Strobe (L-865) and Dual Red/White Strobe (L-864/865) light kits, they also provide the industry standard in technical training. The ETL certified and FAA approved products are suitable for various applications and obstructions, such as broadcast towers, smokestacks, buildings and water towers.

**\*Call For BSW Pricing And Configurations**

## ANDREW



The Andrew Corporation, world leader in the design and manufacture of communications equipment and systems, is well known in the radio broadcast community for supplying high quality transmission cable and related accessories. BSW is proud to represent a complete line of products for all your transmission cabling requirements including HELIAX® foam and air-dielectric cable connectors and accessories, rigid transmission line and accessories, and STL antennas. BSW also stocks 1/2" transmission line for immediate delivery. Our factory-trained technical staff can custom install Andrew connectors to your specifications.

**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**

\* Non-inventory item subject to return restrictions.

## BROADCAST TOOLS



### USC-16/XP-3 - Satellite Channel/Transponder Controllers

The USC-16 provides remote channel selection for DAT-SEDAT digital audio cards installed in Scientific Atlanta DAT-32 series, Comtech/Fairchild DART-384 and Ariel receivers, along with 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. Equipped with a wire captive terminal strip providing remote control and status, along with local switches for transponder selection.

| | | | |
|---|---|---|---|
| USC-16 | channel selector | Mfr. List $299.00 | Call For BSW Price |
| XP3 | transponder controller | Mfr. List $299.00 | Call For BSW Price |



### DSC-20 - Dual Satellite Controller

The programable DSC-20 adds remote control capability to the Scientific-Atlanta Encore, DSR-3610, AD-4595, Virtex StarGuide II and Com Stream receivers, allowing memory/service – audio changing by automation systems or contact closures. The DSC-20 may be configured to control any combination of two receivers listed above. When the DSC-20 is controlled from a PC's serial port, unlimited twelve character printable ASCII serial strings and 100 memory selections are provided for the receivers. Customized programming is accomplished with a non-dedicated computer.

| | | |
|---|---|---|
| DSC20 | Mfr. List $299.00 | Call For BSW Price |

## CIRCUITWERKES



### SUB-03/SEN-6 - Subaudible Tone Decoders/Encoder

The SUB-03 decodes industry standard 25 Hz, 35 Hz and combination tones with dry contacts for each. Features include LEDs for all three outputs, audio presence and clipping LEDs, balanced input and output with gain adjustments and integral audio filtering; external enable lets automation or clock prevent unwanted closures. Can be ordered for 50 or 75 Hz operation.

The SEN-6 subaudible encoder takes contact closures and generates 25 Hz, 35 Hz, combo 25/35, 50 Hz, 75 Hz and combo 50/75 tones. Features include active balanced audio in and out with gain control; integral filtering keeps audio source material from falsely activating decoders.

| | | | |
|---|---|---|---|
| SUB03 | 25 Hz/35 Hz tone decoder | Mfr. List $329.00 | Call For BSW Price |
| SEN6 | subaudible encoder | Mfr. List $399.00 | Call For BSW Price |

## CIRCUITWERKES



### DTMF-16/DEN-8 - DTMF Decoder/DTMF Generator

The DTMF-16 listens to practically any audio source and activates its appropriate optocoupler output when it hears any of the sixteen DTMF tones. Jumper selectable modes are available for momentary, interlocking-latching, two-tone and anti-falsing. Applications include backup transmitter control over STL, radio or telephone coupler, remotely controlled audio switcher, etc. It is also perfect for interfacing networks to your automation, controlling remote satellite receivers, 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.

The DEN-8 is a DTMF generator that takes up to 8 contact closures and generates separate, user programmed DTMF sequences from 1 to 10 digits long. Active balanced output with level control.

| | | |
|---|---|---|
| DTMF16 | Mfr. List $195.00 | Call For BSW Price |
| SILENCER | Mfr. List $149.00 | Call For BSW Price |
| DEN8 | Mfr. List $299.00 | Call For BSW Price |



### DS-8 - DTMF Decoder

The DS-8 is a DTMF sequence decoder providing dry closures for 8 different tone sequences. Can decode 1 to 4 digit DTMF sequences used by networks for automating closed-circuit feeds and local insertions. Relays can be easily programmed via DTMF phone to operate in momentary, latching, or interlocked latching modes. Great for networks.

| | | | |
|---|---|---|---|
| DS8 | DTMF decoder | Mfr. List $299.00 | Call For BSW Price |

## 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 that outperforms comparable near-field monitors. Its 1" silk-dome high frequency driver adds accurate high-end to the system.

Monitor Two™ offers the same accurate tonal balance and imaging of the Monitor One™ but with a 10" three-way speaker design, producing a larger sound field, extra deep bass and exceptional mid-frequency detail.

Point Seven are two-way speakers with a 5" woofer and 1" dome tweeter. Magnetic shielding makes them perfect for use with computer-based workstations, video editing suites, MIDI studios, or any facility using video monitors. Additional features include front ported venting system for tight bass response and high power handling capability.

| | | |
|---|---|---|
| MONITOR1 | Mfr. List $399.00/pair | Call For BSW Price |
| MONITOR2 | Mfr. List $699.00/pair | Call For BSW Price |
| POINTSEVEN | Mfr. List $299.00/pair | Call For BSW Price |

*Available In North America Only.*

### M1 ACTIVE - Powered Monitor Speakers

The Alesis M1 ACTIVE's internal active crossover and custom-designed dual amplifiers ensure a broad, extremely accurate frequency response, clear imaging with a wide sweet spot and high power handling. Its 6.5" woofer cone is formulated with a high tensile strength, non-woven carbon fiber for quicker transient response in the low frequency range and a vast improvement in the detail of critical upper-mid frequencies. The M1 also features a 1" pure silk tweeter. The amplifiers (a 75-watt woofer amp and 25-watt tweeter amp) along with 8th order high and low-pass electronic crossover filters provide superb audio reproduction.

| | | |
|---|---|---|
| M1 | Mfr. List $649.00/pair | Call For BSW Prices |

*Available in North America only.*

## AUDIX

PH5II — PH1SII

### PH5II/PH15II - Powered Monitor Speakers

Audix has combined great sound quality and very competitive pricing in these compact powered monitor sets (one speaker holds the amplifier, the other is a satellite speaker). The PH5II features a 5 1/4" woofer and 3/4" tweeter driven by a 25-watt-per-channel internal amplifier. It is housed in a durable, high impact plastic cabinet with a wire mesh speaker grill, making it ideal as a portable set of monitors. Inputs to the amplifier are RCA unbalanced. The speaker pair is connected via a standard speaker cable with 1/4" connectors (included).

The PH15II is housed in a dense particle-board cabinet with front porting. It features a 3/4" polycarbonate-dome, ferrofluid tweeter and a 5 1/4" long-excursion, rubber surround woofer powered by an internal 45-watt-per-channel amp. High quality crossovers ensure superb definition and clarity. PH15II provide a great sounding, inexpensive and space-saving solution for monitoring in small production rooms. Amplifier inputs are balanced (floating ground) via RCA connectors. 1/4" speaker connection cable is supplied. Both models come with shielded cabinets for use near magnetically sensitive computer components.

| | | |
|---|---|---|
| PH5II | Mfr. List $299.00/pair | Call For BSW Price |
| PH15II | Mfr. List $479.00/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.

| | | |
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| S40B | Mfr. List $317.00/pair | Call For BSW Prices |
| S60B | Mfr. List $237.00 ea. | Call For BSW Prices |
| S80A | Mfr. List $284.00 ea. | Call For BSW Prices |

## ELECTRO-VOICE



### SX100/SX300/SX500 - Loudspeakers

The SX300 is a two-way, high efficiency portable speaker system with 300- watt long term power handling capability, utilizing a 12" low frequency driver and a molded-in constant-directivity horn . It's lightweight (39 lbs.) and made of very durable polypropylene structural foam with molded-in handles and attachment points for secure mounting and suspending. It can be easily fitted with a tripod stand and makes an excellent loudspeaker for remote work.

SX300a is a powered version with an integral 300 watt power amplifier and a net weight of only 47 lbs.

The SX100 is a lower output, lighter weight version of the SX300.

The SX500 has a larger 15" woofer and handles 400 watts of power.

The SB121 and SB180 are high-performance woofer systems for extra powerful concert bass.

| | | | |
|---|---|---|---|
| SX100 | 200 watt speaker | Mfr. List | $692.00 ea. |
| SX300 | 300 watt speaker | Mfr. List | $798.00 ea. |
| *SX300a | 300 watt amplified 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. |
| *SB180 | 18" 600 watt bass module | Mfr. List | $1,300.00 ea. |

Call For BSW Prices



### SENTRY 100A - Monitor Speakers

Having limited monitor space doesn't mean you have to compromise on sonic accuracy. The Sentry 100A is a compact, no frills speaker system. It's the oldest member of the Sentry family and has become the industry standard of reliability. The Sentry 100A delivers a flat 45 to 18,000 Hz frequency response with a wide 120° dispersion at 5,000 Hz. The Super Dome™ tweeter handles a remarkable 25 watts of input power and is matched with an 8" direct radiator woofer in an optimally vented enclosure.

The Sentry 100EL combines the reproduction components of the Sentry 100A with an integral high performance 50 watt power amplifier that's perfectly matched to the requirements of the speaker system.

| | | |
|---|---|---|
| SENTRY100A | Mfr. List $459.00 ea. | Call For BSW Price |
| SENTRY100EL | Mfr. List $909.00 ea. | Call For BSW Price |

## EVENT



### 20/20 - Monitor Speakers

Searching for accurate studio monitors? Don't spend a fortune. Designed by industry veterans Frank Kelly and Walter Dick, the Event 20/20, 20/20p and 20/20bas speaker systems offer reliable, flat monitoring that's very affordable.

The 20/20 is a passive speaker with the following features: a 25mm silk-dome tweeter with aluminum voice coil support and ferrofluid cooling that doesn't cause ear fatigue over long listening periods; 8" mineral impregnated precision polypropylene woofer with highly damped rubber surround for consistent and smooth extended range frequency response without the need for added EQ; a very solid laminated MDF cabinet with extra acoustical damping to reduce standing waves; a front mounted, large diameter bass port; 2nd order passive crossover.

The 20/20p amplified speakers feature two 100-watt amplifiers housed within one speaker (one drives the powered cabinet, the other the satellite monitor). This affordable set includes one master unit and one standard 20/20 satellite.

The powered 20/20bas includes the components of the 20/20 with the following additions: an active asymmetrical 4th order crossover; a 130-watt amplifier designed specifically for and directly connected to the woofer; a 70-watt amplifier designed specifically for and directly connected to the tweeter; front panel power on/clip LED; a combination 1/4"/XLR input with level adjustment; precision HF and LF adjustments; power cord.

| | | |
|---|---|---|
| 20/20 | passive speakers | Mfr. List $399.00/pair |
| 20/20p | passive speakers | Mfr. List $599.00/pair |
| 20/20BAS | biamplified speakers | Mfr. List $999.00/pair |

Call For BSW Prices



### TRIA - Powered Monitor Speakers

This monitoring system perfectly complements any digital audio workstation environment. The Tria three-piece monitoring system comprises a floor-loaded 8" mineral-filled polypropylene cone VLF (very low frequency) driver housed with five separate power amplifiers, active crossovers, and a full set of calibrated trim and level controls. These amplifiers power the two biamplified satellite speakers, each with a 5-1/4" polypropylene cone driver and 1" natural silk dome neodymium driver. Features: magnetically shielded; small footprint; reference-quality frequency response (down to 55 Hz for the satellite speakers, down to 35 Hz for the VLF driver), very low listener fatigue.

| | | |
|---|---|---|
| TRIA | Mfr. List $999.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

# 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 | $209.00/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 anywhere. Left and right monitors have 5" bass drivers and 3/4" treble drivers. The optional 1091A subwoofer adds more complete low frequency information. 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.

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| 1029A | Mfr. List $540.00 ea. | **Call For BSW Price** |
| 1091A   subwoofer | Mfr. List $699.00 | **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 acoustically 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 which reduces turbulence by providing a radiused path for improved airflow while firing away from the listening position; low resonance cabinet; magnetic shielding; monitors calibrated to factory standards to ensure each performs exactly the same; 35 lbs. each.

| | | |
|---|---|---|
| TRM8 | Mfr. List $995.00/ea. | **Call For BSW Price** |

# JBL

4206          4208

### 4206/4208 SERIES - Monitor Speakers

This radical speaker design was developed for near-field monitoring with maximum stereo imaging and reduced listener fatigue. High frequency and low frequency drivers are offset and aimed to deliver both HF and LF information to the listening position at precisely the same instant. All models feature a charcoal laminate finish. The model 4206 features a 6" LF Driver and 1" pure titanium dome tweeter. The 4208 offers an 8" LF Driver and 1" pure titanium dome tweeter.

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| 4206 | Mfr. List $388.00/pair | **Call For BSW Prices** |
| 4208 | Mfr. List $510.00/pair | **Call For BSW Prices** |

## For Speaker Stands See Page 137

## JBL



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.

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|---|---|
| CONTROL 1 | Mfr. List $308.00/pair |
| CONTROL 5 | Mfr. List $528.00/pair |

Call For BSW Prices



### 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). **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; 47 lbs. each.

LSR28P are biamplified two-way monitors with 8" low frequency transducer and 1" high frequency transducer. Amplifiers supply 200 watts to the woofer and 100 watts to the tweeter.

| | | |
|---|---|---|
| LSR32 | Mfr. List $999.00 ea. | Call For BSW Price |
| LSR28P | Mfr. List $999.00 ea. | Call For BSW Price |

## JBL



### 4400A SERIES - Monitor Speakers

JBL's 4400A series studio monitors have become one of the most frequently asked-for speakers in the broadcast industry. Now JBL has improved on their solid design and introduced the 4400A series. Included in the new series are the 4408A (8", 2-way), 4410A (10", 3-way) and the 4412A (12", 3-way). JBL has upgraded all major components and circuitry for even smoother, more accurate audio monitoring. They've also given the new 4400As a new look with matte grey laminate finish and charcoal grille cloth.

| | | |
|---|---|---|
| 4408A | (order left and right for matched pair) | Mfr. List $337.00 ea. |
| 4410A | (order left and right for matched pair) | Mfr. List $467.00 ea. |
| 4412A | (order left and right for matched pair) | Mfr. List $701.00 ea. |

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 $525.00 ea. |
| WSA80 | 8 inch 2-way | Mfr. List $295.00 ea. |

Call For BSW Prices

## TANNOY



### REVEAL - Powered Monitor Speakers

The Reveal system combines proven quality monitors with twin 50 watt amplifiers and fully optimized electronic crossover in a single compact package. **Features:** long throw 6.5" low frequency driver; 1" soft dome high frequency unit; wide, flat frequency response; 100 watt total amplifier power (50 watts per driver); magnetically shielded for use close to video monitors; balanced XLR and unbalanced RCA inputs.

| | | |
|---|---|---|
| REVEAL | Mfr. List $399.00/pair | Call For BSW Price |

# Speakers

## TANNOY

### 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. System 600 features a 6" woofer with tweeter and the System 800 features a 8" woofer with tweeter.

For active monitors, the System 600 and System 800 can be purchased with biamplification. System 600A contains two 70 watt amplifiers. System 800A features two 90 watt amplifiers. The larger speaker models, System 1000 and System 1200, feature the same unique dual concentric design but with larger 10" and 12" woofers.

Optional shielding for use near video monitors is available on all models.

| | | | |
|---|---|---|---|
| *SYSTEM600 | Mfr. List | $695.00/pair | Call For BSW Price |
| *SYSTEM800 | Mfr. List | $995.00/pair | Call For BSW Price |
| *SYSTEM600A | Mfr. List | $1,595.00/pair | Call For BSW Price |
| *SYSTEM800A | Mfr. List | $2,295.00/pair | Call For BSW Price |
| *SYSTEM1000 | Mfr. List | $1,795.00/pair | Call For BSW Price |
| *SYSTEM1200 | Mfr. List | $2,495.00/pair | Call For BSW Price |

## TEAC

### LS-X600 - Compact 3-Way Speakers

These highly affordable indoor/outdoor speakers go wherever you need to expand or enhance your audio system's performance. The 3-way design includes a 5" woofer, 2" midrange and 1" tweeter and offers up to 80 watts power handling capability. Their compact size allows them to be mounted in hard-to-fit corners of practically any room and a weather-tight cabinet allows for outdoor use. Speaker includes separate mounting bracket (horizontal/vertical), hardware and cable.

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|---|---|---|
| LSX600 | Mfr. List $99.00/pair | Call For BSW Price |

## YAMAHA

### MS60S - Powered Monitor Speakers

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 |

## WOHLER

### ATSC/DVB SERIES - Amplified Speakers

Wohler Technologies offers accurate, self powered monitoring systems in compact rack mount units. These speakers provide excellent magnetic shielding with optimally focused, high fidelity sound for operators in an "ultra near field" working environment.

AMP-1A (shown top) is a basic self-powered speaker system with three power amps, five speakers, and balanced and unbalanced inputs. AMP-2 (not shown) offers wider frequency response in a 2RU enclosure.

ATSC-series (shown bottom) are powered stereo speakers designed specifically for flexible monitoring of the 6 audio channels of ATSC/DVB programming. Features: choose from 6 channel analog, 3 channel AES or encoded ATSC/MPEG-2 input versions; simultaneous visual monitoring of all 6 channels; left/right and front/surround "phase" indicators.

**\*Price Based On Configuration**

## 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 |

### MSP5 - Monitor Speakers

The Yamaha MSP5 biamplified monitor speakers from Yamaha deliver extraordinary sound quality at an equally extraordinary price. Features: flat frequency response out to 40 kHz; 5" woofer and 1" titanium tweeter; biamplification (40 watts to the woofer, 27 watts to the tweeter); ultra-compact enclosures which allow easy placement; small face print making them very accurate for "point source" listening; quick and easy hookup with both XLR and 1/4" inputs; magnetic shielding.

| | | |
|---|---|---|
| MSPS | Mfr. List $299.00/pair | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## OMNIMOUNT



### Speaker Mounting Brackets

Installing speakers is no easy task—unless you use Omnimount speaker brackets. Only Omnimount offers models that allow you to mount speakers from assorted angles and locations. Weight handling ranges from 1 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 $59.95 ea. | Call For BSW Price |



### A. ATLAS/SOUNDOLIER SS33E - Speaker Tripod

Heavy duty aluminum speaker stand supports up to 150 lbs. Height adjusts from 48" to 85". Several mount adapters available.

| SS33E | Mfr. List $182.70 | Call For BSW Price |

### B. MIDDLE ATLANTIC SPK36/SPK42 - Speaker Tripod

High-tech-looking stands have a 30 lb. base for extra stability. Fine adjustments can be made for leveling any flat surface. Choose from two height levels (36 and 42 inches).

| SPK36 | Mfr. List $178.00/pair | Call For BSW Price |
| SPK42 | Mfr. List $199.00/pair | Call For BSW Price |

### C. 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".

| BS315 | Mfr. List $179.95/pair | Call For BSW Price |

### D. QUIKLOK S180/S-6/S-9 - Speaker Tripods

The S180 tripod is a lightweight, yet sturdy aluminum stand for support of speakers up to 200 lbs (extends 3' 7" to 6' 6"). The S-6 (6'2") and S-9 (9'8") are extra durable with heavy-duty aluminum alloy connectors and joints and reversible top-tube that fits 1-1/2" or 1-3/8" speaker mounts.

| S180BK | Mfr. List $109.95 | Call For BSW Price |
| S6BK | Mfr. List $129.95 | Call For BSW Price |
| S9BK | Mfr. List $144.95 | Call For BSW Price |

### E. ULTIMATE SUPPORT TS80/TS88 - Speaker Tripods

These sturdy, lightweight aluminum stands can support speakers up to 110 lbs. The TS80 adjusts in height from 3'8" to 6' 7"; the TS88 adjusts in height from 5'2" to 9'2". The TS-88TL features an extendable leg that allows two legs to sit on a raised surface such as a stage stair, while the extended leg reaches to the floor to hold it level and secure. Tote bag included. Silver color. Black color available at extra cost.

| TS80T | adjusts to maximum of 6'7" | Mfr. List $143.00 |
| TS88T | adjusts to maximum of 9'2" | Mfr. List $168.00 |
| TS88TL | TS88 with articulating leg | Mfr. List $205.00 |

**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 | $495.00 |

**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 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**

## For On-Air and Production Consoles
## See Pages 36-48

## MIDDLE ATLANTIC



### MULTIDESK SYSTEM - Studio Furniture

MultiDesk™ from Middle Atlantic is a high quality, modular, affordable furniture system that's one of BSW's best sellers. Central to the modular components is the MD-48 MultiDesk. Supported by a proprietary steel tube folding leg system, the unit can be assembled in just a few minutes with the hardware and tools provided. Like all other MultiDesk products, it features a graphite-speckled, high pressure laminated top which attaches using threaded inserts to provide extraordinary strength. Leveling feet can be adjusted to offer a desktop height ranging from 28 3/4" to 29 3/4". To the desk can be attached two 14-space MultiRack units (they can also be used as stand-alone rack units), monitor platforms and MultiBridge shelf.

**\*Call BSW For Pricing And Configuration**



### MULTIDESK PRO SYSTEM - Studio Furniture

Designed to accommodate professional audio and video post-production equipment, the MultiDesk™ Pro System is versatile enough to be used in applications ranging from radio broadcast to computer-based multimedia production to home audio recording. Studio professionals will appreciate the spacious 79"x32" work surface found on the MDP-D79 Pro series desk. The study 2" tubular steel leg system can be mounted left, right or center to accommodate a side-rack configuration of your choice. Features include a graphite-speckled, pressure-laminated top which steadfastly resists scratches and dings. Optional heavy-duty 13-space rack stands are designed to roll beneath the desk at either end or both sides. There is also a freestanding 24-space unit as well as dual 14-space rack bays. Overbridge units for shelving above the desk offer additional space and provide sturdy stands for large video monitors and speakers. Everything is made of high-quality materials with a professional look and feel. If you are looking for a set-up to fit your specific equipment call BSW today and ask for the MultiDesk Pro System from Middle Atlantic.

**\*Call BSW For Pricing And Configuration**

\* Non-inventory item subject to return restrictions.

## 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. We ship RTA (Ready To Assemble ) via van line carriers. Customization of any system component is available.

**\*Call BSW For Pricing And Configuration**

## NIGEL B.



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. Desktops are high quality laminates with rolled edges for comfort and safety.

Forget about waiting weeks for your furniture. Most Nigel B. items are in stock and will ship 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**

## OMNIRAX



### PROSTATION M/C - Studio Workstation

Perfect for digital production rooms and studios, the ProStation M/C™ provides an ergonomic work space that doesn't cost a fortune. The table top is deep enough to hold your mixing console with plenty of 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.

**\*PROSTATIONM/C**     Mfr. List $849.95     **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 patchbays or outboard effects. Above are 6 vertical spaces for recorders, and there are 10-space racks on the right and left below the table for additional gear. Additional features include cable grommets, hidden castors and an optional adjustable keyboard shelf.

**\*MIXSTATIONO2R**     Mfr. List $1,199.95     **Call For BSW Price**

\* Non-inventory item subject to return restrictions.

## ATLAS/SOUNDOLIER

### 100 SERIES - Equipment Racks

100 series rack cabinets from Soundolier are cost effective and come in pre-welded and knocked down versions in a number of sizes and colors. Units come complete with base, top panel, vented side panels, vented rear door with lock, one pair of fixed rails, mounting screws and hardware. Call BSW with the size and features of the rack you require for a proper price quotation.

*Pricing Based On Configuration*

### 900 SERIES - Equipment Racks

Ship your equipment rack by UPS…No problem. The 900 series racks are easy to assemble in stackable frames for the perfect rack in minutes. Strong, durable frames are available in two sizes and all necessary hardware is furnished.

| | | | |
|---|---|---|---|
| *900-19P | 19" high | Mfr. List $214.55 | Call For BSW Price |
| *900-28P | 28" high | Mfr. List $237.88 | Call For BSW Price |

## MIDDLE ATLANTIC

### WRS SERIES - Wall Mount Equipment Racks

The WRS series low-profile wall rack allows mounting of equipment in a vertical "knobs up" fashion for space efficiency and aesthetics. With adjustable rack rail providing 20" to 23" of usable rack depth, the innovative WRS design includes a backpan, body and solid hinged top cover to protect the equipment. Three sizes are available and each hold 150 lbs.

| | | | |
|---|---|---|---|
| *WRS4 | 4 space | Mfr. List $311.25 | Call For BSW Price |
| *WRS6 | 6 space | Mfr. List $333.50 | Call For BSW Price |
| *WRS8 | 8 space | Mfr. List $355.75 | Call For BSW Price |

## MIDDLE ATLANTIC

Slim 5

AX-S System

PTRK Series

### Equipment Racks

From the low cost ERK series, to the hefty MRK and WRK series, to the flexible Slim 5 and rolling PTRK series, Middle Atlantic has an equipment rack to meet every application. Quality materials, state-of-the-art manufacturing techniques and well-thought-out design make these racks a tremendous value, providing years of service.

Shown above is a Slim 5 rack with optional wood side panels and AX-S system that allows unrestricted rear access to equipment and cabling for in-wall or snug-to-the wall placement of your racks. Also shown is the PTRK, a rolling rack system with keylocked front and rear doors.

*Pricing Based On Configuration*

### RK SERIES/SRK - Equipment Racks

These high-quality, inexpensive equipment racks ship flat for easy storage and assemble quickly with the included allen key. Racks are constructed of 5/8" thick, high-density particle board covered with black laminate. Snap-on decorative screw caps are included. Rack rails are 1/8" thick black baked enamel steel, tapped full hole spacing to fit all equipment. Rear rack rail option available. 15 7/8" deep. The SRK is a sloped top version with 16 vertical rack spaces and 12 sloped spaces on top.

The popular RK and SRK series racks are also available with beautiful real oak laminate construction at minimal additional cost.

| | | |
|---|---|---|
| RK-4 | 7" (4 space) | Mfr. List $102.25 |
| RK8 | 14" (8 space) | Mfr. List $126.75 |
| RK12 | 21" (12 space) | Mfr. List $133.50 |
| RK16 | 28" (I6 space) | Mfr. List $144.50 |
| RK20 | 35" (20 space) | Mfr. List $160.00 |
| *SRK | 28" (16 space)/ 21" (12 space) | Mfr. List $311.25 |

**Call For BSW Prices**

* Non-inventory item subject to return restrictions.

## MIDDLE ATLANTIC
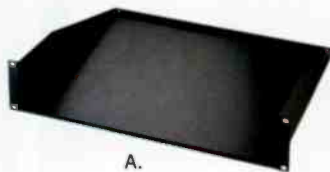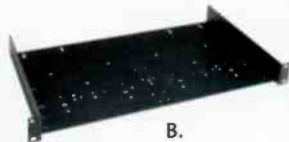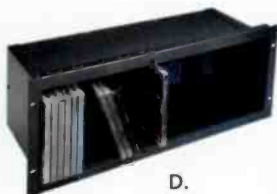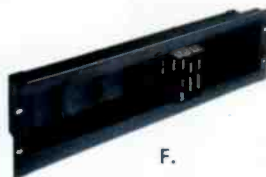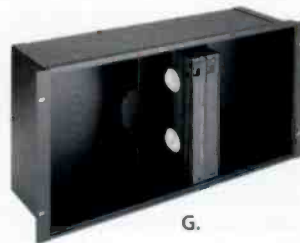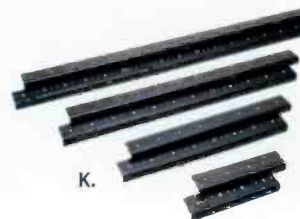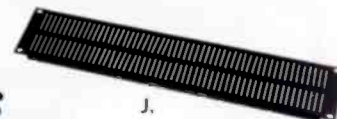


**A. U2** - Rack Shelf

2-space utility shelf holds equipment up to 17 3/8" wide

| | | |
|---|---|---|
| U2 | Mfr. List $56.00 | BSW Price $29.95 |

**B. UTR1** - Universal Rack Shelf

Universal mounting hole pattern works with many 1/2 rack units.

| | | |
|---|---|---|
| UTR1 | Mfr. List $28.50 | Call For BSW Price |

**C. D3** - Deluxe Rack Drawer

Fully enclosed drawer with ball bearing slides is 14.5" deep. Also available in 2-, 4-, 5- and 8-space versions. Optional key lock.

| | | |
|---|---|---|
| D3 | Mfr. List $162.25 | Call For BSW Price |

**D. CD** - Rack CD Storage

7" high (4 space) unit holds 40 CDs. Brushed, black anodized finish.

| | | |
|---|---|---|
| CDRACK | Mfr. List $82.50 | Call For BSW Price |

**E. CS** - Rack Cassette Storage

5 1/4" (3 space unit) holds 33 cassettes. Brushed, black anodized finish.

| | | |
|---|---|---|
| CS | Mfr. List $78.75 | Call For BSW Price |

**F. DAT** - Rack DAT Storage

5 1/4" (3 space unit) holds 27 DATs. Brushed, black anodized finish.

| | | |
|---|---|---|
| DAT | Mfr. List $78.75 | Call For BSW Price |

**G. VHS** - Rack VHS Storage

8 3/4" (5 space unit) holds 14 VHS tapes. Brushed, black anodized finish.

| | | |
|---|---|---|
| VHS | Mfr. List $100.00 | Call For BSW Price |

**H. SECL-4** - Locking Security Covers

4RU key-locked, hinged security cover with lightly smoked plexiglass door. Also available in 2- and 8-space versions.

| | | |
|---|---|---|
| SECL4 | Mfr. List $63.50 | Call For BSW Price |

**I. EB SERIES** - Blank Panels

Flanged blank panels in 16 gauge steel with black finish. Rack sizes from 2 to 6 spaces. Also available with textured finish (SB) or brushed, anodized aluminum (BL).

**From $7.50 to $22 Mfr. List Depending On Size    Call For BSW Price**

**J. EVT** - Vent Panels

Flanged steel vent panels with black finish.

| | | |
|---|---|---|
| EVT1 | Mfr. List $10.00 | Call For BSW Price |
| EVT2 | Mfr. List $13.25 | Call For BSW Price |

**K. RR SERIES** - Rack Rails

1/8" thick heavy-duty rack rails tapped 10/32 with rugged black powder coat finish. Rack sizes from 2 to 45 spaces.

**From $7 to $68 Mfr. List Depending On Length   Call For BSW Price**

**L. FP SERIES** - Fan Panels

These fan panels, made from 16-gauge flanged aluminum, accept 4-1/2" fans. Panels are three rack spaces high and finished in textured black powdercoat (FP models) or black anodized finished (TFP models).

| | | |
|---|---|---|
| FP1 | space for 1 fan | Mfr. List $38.50 |
| FP-2 | space for 2 fans | Mfr. List $40.75 |
| FP-3 | space for 3 fans | Mfr. List $43.00 |
| TFP1 | space for 1 fan | Mfr. List $31.00 |
| TFP2 | space for 2 fans | Mfr. List $33.25 |
| TFP-3 | space for 3 fans | Mfr. List $35.50 |
| | Call For BSW Prices | |

**M. FAN** - Rack Fan

115 volt fan features smooth, ball bearing design for quiet operation. 4 1/2" size fits FP1, FP2 and FP3 fan panels. Hardware and cord included.

| | | |
|---|---|---|
| FAN | Mfr. List $53.50 | Call For BSW Price |

**N. DR-12** - Desktop Rack

This desktop rack unit provides 12 rack spaces for equipment mounting. Racks can secure to desktop with wood screws.

| | | |
|---|---|---|
| DR12 | Mfr. List $40.00 | Call For BSW Price |

**O. HW-500** - Rack Screws

500 3/4" long screws with 10-32 threads. Pre-installed nylon cup washer speeds installation and provides a clean appearance.

| | | |
|---|---|---|
| HW500 | Mfr. List $100.00 | Call For BSW Price |

## MIDDLE ATLANTIC



M.    N.    O.

P.    Q.

R.    S.

### P. RC-3 - Clamping Rackshelf

For components that require scratch-free security, the RC-3 uses rubber-lined clamps. 3 space rack shelf; other rack sizes available.

| *RC3 | Mfr. List $69.00 | Call For BSW Price |
|------|------------------|--------------------|

### Q. RM-CPU - Rack Mount Computer Chassis

Occupying 5 spaces, the RM-CPU features 16-gauge steel construction and 1/8" thick aluminum face. Holds your PC computer securely.

| *RMCPU | Mfr. List $655.56 | Call For BSW Price |
|--------|-------------------|--------------------|

### R. RM-MM - Computer Monitor Rack Mount

Equipped with a hinged front access door and plexiglass front panel, the 9-space computer monitor rack mount fits nearly any 14" monitor.

| *RMMM | Mfr. List $433.34 | Call For BSW Price |
|-------|-------------------|--------------------|

### S. RM-KB - Computer Keyboard Rack Mount

The 1-space keyboard rack mount includes a high-quality standard AT-style 101-key keyboard.

| *RMKB | Mfr. List $433.34 | Call For BSW Price |
|-------|-------------------|--------------------|



### CUSTOM RACK MOUNTS - Equipment Racks

Middle Atlantic builds custom rack shelves and mounting units for thousands of professional audio components. The RSH custom rack mount system uses a standard 19" enclosure that holds virtually any component. Call with the dimensions of your non-rack-mount equipment and we will help you find the right solution.

**Price Based Upon Configuration**

## NIGEL B.



A.    B.

C.    D.

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-STD | Mfr. List $399.95 | Call For BSW Price |
|--------|-------------------|--------------------|

### C. 1015-STD - Mobile Rack Stand

Roll-around rack stand with adjustable top section. The 1015-STD features 10RU on the top frame with 15RU below.

| *1015-STD | Mfr. List $399.95 | Call For BSW Price |
|-----------|-------------------|--------------------|

### D. 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 drawer holds 92 DAT tapes in separate slots. Ball bearing sliders; optional key lock.

| 2DATD | Mfr. List $179.95 | Call For BSW Price |
|-------|-------------------|--------------------|

## MAFCO

### MULTI-CART - Hand Truck/Dolly

The Multi-Cart combines the space-saving advantages of a lightweight, foldable, luggage cart with the big load capacity of an industrial size four-wheel dolly that can hold up to 500 pounds of equipment. In the upright position, Multi-Cart is a heavy duty handtruck with long forks. Lying down, it's a 4-wheel cart that expands in length from 34" to 52" long. Many accessories and smaller versions available.

RR-10          Mfr. List $195.95 Call For BSW Price

## KACES

### KEB SERIES/MB12 - Carrying Bags/Microphone Bag

Kaces KEB series carrying bags are perfect for taking small portable mixers, recorders, etc. into the field. Each bag features a large zippered compartment for holding the main unit plus a smaller zippered side compartment for cables, mics, tools or whatever. These durable nylon bags come in different sizes.

The nylon microphone bag keeps 12 mics protected in foam. Includes removable shoulder strap and compartment for accessories.

KEB Bags     From $24.95 to $54.95 Mfr. List     Call For BSW Price
MB-1         Mfr. List $99.95              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 in mounting equipment. Available in a variety of sizes.

Microphone cases feature foam protection with individual circular cut-outs which hold your valuable microphones in an upright position. They also provide room for cables and accessories.

Mfr. List From $118.00 to $320.00          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 |
| 1527 | Convertible Travel Bag | Mfr. List $108.41 |

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, is half the weight of wood cases, and is ATA approved.

Mfr. List From $174.95 to $319.95          Call For BSW Prices

## DR. FERD

### PSA - AC Transformer Extender

The PSA (AKA Dr. Ferd's Wart Remover) is an easy answer for those frustrating "wall wart" power supply transformers. The Wart Remover takes the bulky housing of the transformer away from the power strip.

PSA   Wart Remover                         BSW Price $8.95

## ETA

### PD8L/PD8 - Power Conditioner/Light Module

ETA Systems offer protection against incoming power spikes, noise filtration and surge protection in a 19" rack-mount package. 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 PD8L features front panel lights to illuminate your rack.

| PD8L | Mfr. List $99.00 | Call For BSW Price |
|------|------------------|--------------------|
| PD8  | Mfr. List $79.00 | Call For BSW Price |

## FURMAN

### PL8/PL-PLUS - Power Conditioner/Light Module

The Furman power conditioner and light module is the perfect accessory to any rack-mount system. Install in the top slot of your rack, and the eight switched AC outlets on the rear panel will power up all your equipment while its two slide-out light fixtures provide discrete, shadow-free illumination. Protects your equipment by combining a high voltage surge/transient suppressor with an RFI/EMI interference filter to keep out power spikes and electronic noise. PL-PLUS features front-panel line voltage indicator.

| PL8    | Mfr. List $159.00 | Call For BSW Price |
|--------|-------------------|--------------------|
| PLPLUS | Mfr. List $229.00 | Call For BSW Price |

### AR-PRO - Worldwide AC Line Voltage Regulator

The AR-PRO voltage regulator accepts single phase input AC voltages within two capture ranges (88-134 or 170-264 volts) and converts them to the North American standard 120 volts (±4%). This unit is ideal for situations where local power is unstable, or for use worldwide to convert different voltage levels. AC-Pro includes twelve AC outlets on its rear panel and two in the front panel, each featuring spike and RFI protection.

| *ARPRO | Mfr. List $2,295.00 | Call For BSW Price |
|--------|---------------------|--------------------|

### PLUGLOCK - Outlet Strip

PlugLock is the secure solution to your "wall wart" problem. This inexpensive, heavy-duty outlet strip securely locks in place up to five bulky transformer or regular electrical plugs.

| PLUGLOCK | Mfr. List $58.00 | Call For BSW Price |
|----------|------------------|--------------------|

## FURMAN

### 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 |
|---------|---------------------|--------------------|

### 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.

| *AR1215 | Mfr. List $599.00   | Call For BSW Price |
|---------|---------------------|--------------------|
| *AR2330 | Mfr. List $1,895.00 | Call For BSW Price |

### IT-1220 - Balanced Isolation Transformer

Designed for the most critical, ultra-low-noise installations, the IT-1220 can supply 20 amps of balanced AC power. It drastically reduces hum and buzz caused both by ground currents from power supply filtering and by radiation from supply cables into sensitive signal sources, such as microphones. Features: up to 16 dB improvement in background noise floor in systemwide installations; toroidal transformer with center-tapped secondary is the most efficient design, with the least magnetic field leakage; soft start circuit prevents turn-on transients and high inrush currents; extreme voltage shutdown; spike suppression; RFI filtering and ground fault interrupter protection.

| *IT1220 | Mfr. List $1,579.00 | Call For BSW Price |
|---------|---------------------|--------------------|

## GALAXY AUDIO

### FAR OUTLET - Power Supply

The FAR OUTLET™ personal power station is a self-contained portable source of 110 volt, 60 Hz, household current. About the size of a lunchbox and lightweight enough to carry in one hand, the FAR OUTLET™ provides up to 250 watts continuous and 400 watts peak power. The lead-acid battery recharges overnight (in any standard outlet) to offer hours of uninterruptable power.

| | | |
|---|---|---|
| FO250 | Mfr. List $399.00 | Call For BSW Price |

## NIGEL B.

### THERMAL WATCHDOG - Temperature Control

The Thermal Watchdog™ is a rugged electronic one-space rack unit, designed for automatic, unattended operation. The unit has a 5 ft. umbilical air temperature sensing cord and probe, which is placed at a strategic position inside the cabinet or enclosure, allowing constant temperature monitoring. Easily set the temperature via external control. Thermal Watchdog signals an overheating condition via remote warning (four contact closure connections on reverse for telephone, modem or wireless transmission equipment) and four LED lights. Besides signaling rising temperatures, its four auxiliary fans automatically kick in to keep the temperature as consistent as possible.

| | | |
|---|---|---|
| TWD | Mfr. List $399.95 | Call For BSW Price |

**3512SPL**  **SP8LT/6MHI**

### Power/Lighting Accessories

Nigel B. offers a 35" 12 outlet AC power strip with full surge protection and gooseneck lamp socket that can be mounted vertically in a standard equipment rack (2 units fit in a 70" rack for 24 outlets).

Innovative power strips are available featuring triple surge protection with options including a BNC gooseneck lamp socket and a front panel telephone/modem jack with cord for a phone extension in your rack.

| | | |
|---|---|---|
| 3512SPL | 35" power strip w/surge & lamp socket | Mfr. List $149.95 |
| SP-8 | 8 outlet strip with full surge protection | Mfr. List $139.95 |
| SP8LT | 8 outlet power/light/tel. strip w/surge protection | Mfr. List $169.95 |
| 6MHI | 6" gooseneck lamp w/BNC connector | Mfr. List $39.95 |
| | **Call For BSW Prices** | |

## RDL
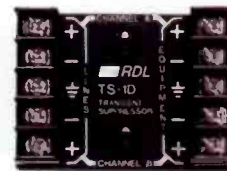
### TS-1D - Transient Suppressor

The TS-1D is a transient suppression module which shunts high energy, high frequency signals to system ground while passing unaffected, full spectrum audio signals. The TS-1D contains four independent circuits. It may be used to protect four single ended (unbalanced) lines or two balanced lines and offers immunity from electrostatic discharge, induced transient voltage, RF interference and electromagnetic pulse.

| | | |
|---|---|---|
| TS1D | Mfr. List $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.
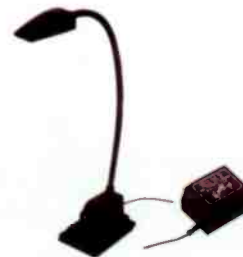
### MH12S Gooseneck Lamp

Nigel's mini gooseneck lamp with weighted base is perfect for near-field lighting. Two different models (BNC connector or standing base).

| | | |
|---|---|---|
| MHI12S | 12" gooseneck lamp w/base | Mfr. List $69.95 |
| 12MHI | 12" gooseneck lamp w/BNC connector | Mfr. List $41.95 |
| | **Call For BSW Prices** | |

## PERFECT DATA
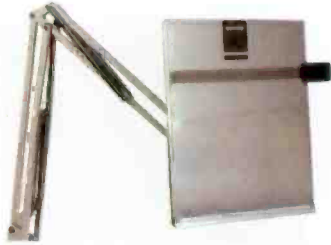
### 16007P - Copy Holders

Holder is designed for letter, legal and A4 size documents. A spring-loaded holder clip keeps copy in place. 16007P features an arm for standard-weight paper items and comes with a table clamp mount.

| | | | |
|---|---|---|---|
| 16007 | standard copy holder | Mfr. List $50.00 | Call For BSW Price |

## RPG
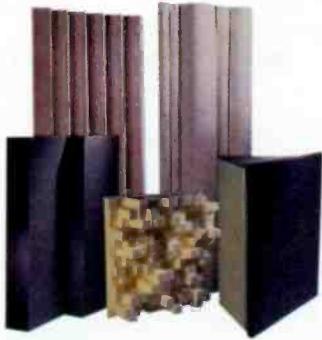
### Acoustic Treatment

RPG, the recognized world leader in acoustical reference in the music industry, provides truly professional solutions to studio acoustic problems. Tens of thousands of diffuser systems have been installed in prestigious facilities all over the globe for treatment of corners, walls and ceilings. Ask for more information about ProFoam™, ProCorner™, SoundCorner™ and Flatffusor™ products. RPG also makes a line of sculptured, fire-safe acoustic control foam in different styles and colors.

*Call BSW With Your Requirements

## SYSTEMS DEVELOPMENT GROUP

### CUTTING WEDGE - Acoustic Treatment

Cutting Wedge offers the best noise reduction coefficients in the industry, and at low frequencies it's 300% more absorptive than other products in its class. Using the highest quality foam, it retains its shape and offers long durability and consistent performance. Cutting Wedge is available in 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

## SYSTEMS DEVELOPMENT GROUP
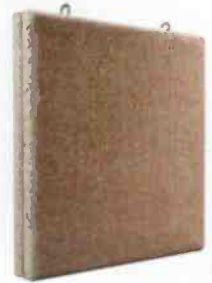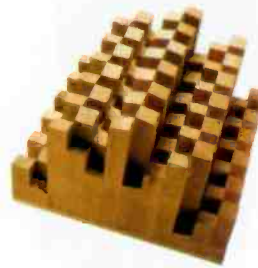
### ART DIFFUSOR/SONORA PANELS - Acoustic Treatment

When acoustic performance, aesthetics and affordability demand the very best, Art Diffusor is the answer. It offers top quality two-dimensional diffusion, 5 octave bands wide. There is no higher performance diffusor available for the critical listening environment. The Art Diffusor is a versatile acoustic tool with many applications: the small 15" square footprint and meager 9.5" depth incorporate presentation and effectiveness into a package that fits the most restricted space. Besides wall units, special ceiling modules are also available. Art Diffusor squares come in choice woods and special plastics. Ask us to help outfit your sound room.

Rigid fiberglass panels covered with fabric make an ideal acoustical absorber. They lower room reverberation time and remove unwanted reflections. SonoraPanels and SonoraBaffles make up SDG's high-quality absorption system. SonoraPanels' high density and better low-frequency absorption extend their useful range significantly lower than any acoustic foam. Durability, attractive appearance (choose from many designer fabric colors) and wide bandwidth are the hallmark of SonoraPanels wall units. Call for sizes ranging up to 10 ft x 48 inches.

SonoraBaffles are hanging ceiling-mounted baffles approximately 1.5" thick with a molded fiberglass core and fabric exteriors.

*Call BSW With Your Requirements

## VISU-FLEX

### SFT/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 "add-on" 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. The SFT 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.

| | | |
|---|---|---|
| *SFT-2S | "starter" module | Mfr. List $356.00 |
| *SFT2-A | "add-on" | Mfr. List $315.00 |
| *CDV2S | "starter" module | Mfr. List $395.00 |
| *CDV2A | "add-on" | Mfr. List $350.00 |
| *CDVMB | mobile base | Mfr. List $110.00 |

Call For BSW Prices

* Non-inventory item subject to return restrictions.

A.


B.


C.


D.


E.


F.
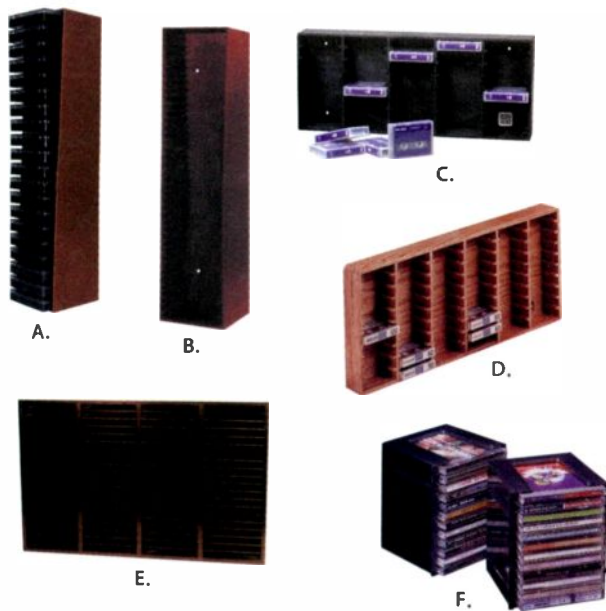
## BSW

### A. AW20 Cart Rack

Holds 20 carts. Made of high impact polystyrene; great for wall mounting. Includes mounting screws.

AW20     Mfr. List $15.50     **Call For BSW Price**

### B. AW40 CD Rack

Holds 40 CDs. High impact polystyrene; wall mounting with screws.

AW40     Mfr. List $29.95     **Call For BSW Price**

## BRYCO

### C. DRP40 DAT Rack

Precision formed, super tough plastic. Holds 40 DATs. (Black)

DRP40     Mfr. List $21.95     **Call For BSW Price**

### D. DR60 DAT Rack

Beautiful solid oak rack holds 60 DATs—wall mount or table top.

DR60     Mfr. List $59.95     **Call For BSW Price**

## PRORAX

### E. Media Storage Racks

ProRax are constructed of the finest quality oak or mahogany hardwoods with sturdy dividers to keep to keep media organized. Durable racks will provide years of service and add natural beauty to your facility.

| | | |
|---|---|---|
| CD80W | CD rack holds 80 | Mfr. List $125.00 |
| CD80WOAK | CD rack holds 80 | Mfr. List $135.00 |
| W100 | wall cart rack holds 100 | Mfr. List $125.00 |
| C580W | cassette rack holds 80 | Mfr. List $109.00 |

**Call For BSW Prices**

## SOHO

### F. CD-2/RMR-2 CD Racks

These inexpensive, heavy-duty racks hold 12 CDs each in each stackable, wall-mountable units. Modular system can be expanded in four directions. Each order includes 2 units.

| | | | |
|---|---|---|---|
| CD2 | black | 2units hold 24 CDs | Mfr. List $7.00 |
| RMR2 | specify putty or gray | 2 units hold 24 CDs | Mfr. List $7.00 |

**Call For BSW Prices**

## BROADCAST TOOLS



### AS-16 - Alert Sentry

The Alert Sentry 16 provides a convenient way to monitor station alarms on Windows-based PCs. Included software allows up to 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
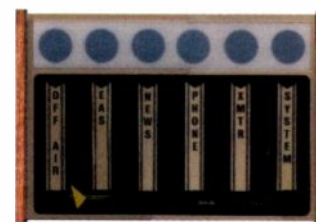


### BA6 SERIES - Alert Monitors

Off the air?…EAS warning…Telephone hotline ringing? Find out visually in an instant with the BA6 from Enberg Electronics. This practical device 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 |

* Non-inventory item subject to return restrictions.

# PROLITE



AP

AW

RC

L101

## Warning Lights

Designed to fit a variety of interior specifications, the Prolite Architectural series lights are attractive and functional, warning that a microphone is on. Housing and canopy are triple ground, cast aluminum with a baked, matte black enamel finish. Dimensions are 7 1/2" square. Two 20W, 6 1/2" long-life lamps are supplied. 120 volts required for operation. Choose from 3 configurations with either "on the air" or "recording" symbols.

The L101 fits in a standard single duplex electrical box and operates on 24 volt DC (user supplied). Specify white or red plastic lens.

| | | | |
|---|---|---|---|
| AW | "on the air" flat wall single lens | Mfr. List | $124.95 |
| RW | "recording" flat wall single lens | Mfr. List | $124.95 |
| AP | "on the air" ceiling pendant double lens | Mfr. List | $147.75 |
| RP | "recording" ceiling pendant double lens | Mfr. List | $147.75 |
| AC | "on the air" wall/ceiling double lens | Mfr. List | $135.95 |
| RC | "recording" wall/ceiling double lens | Mfr. List | $135.95 |
| REC LENS | extra lens "recording" | Mfr. List | $42.10 |
| AIR LENS | extra lens "on the air" | Mfr. List | $42.10 |
| BLANK LENS | extra blank lens | Mfr. List | $11.25 |
| L101 | 24 volt warning light | Mfr. List | $22.95 |

**Call For BSW Prices**

# TITUS TECHNICAL LABS
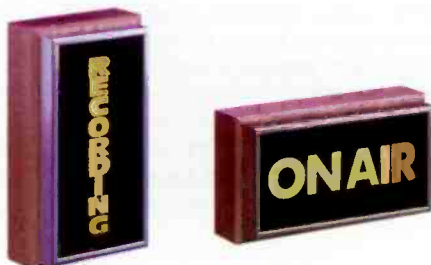


## OAL SERIES - Warning Lights

Provides a beautiful, 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; however, custom woods are also available. The warning "ON AIR" or "RECORDING" only appears when illuminated and is blacked out when not in use. Orientation is either vertical or horizontal and wiring is class-2 type low voltage.

| | | |
|---|---|---|
| OAL | Mfr. List $125.00 | Call For BSW Price |

# 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 adapters.

**Price Based On Configuration**

# DORROUGH



## 40-A2 - Loudness Monitor

Dorrough Loudness Meter model 40-A2 displays both the peak and average of the audio signal. The unique metering ballistics accurately present loudness variations on an easy-to-read scale. Dual inputs allow sum and difference metering. Peak Hold functions are standard along with a DB9 connector to access various "over" and "under" parameters. Other models are available with either 14dB (A scale) or 20dB (C scale).

Model 240-A2 is a vertical single channel loudness meter designed for standard console mounting (only 1.4" x 5" high). It can also be used for surround sound configuration.

| | | |
|---|---|---|
| 40A2 | Mfr. List $475.00 | Call For BSW Price |
| 240A2 | Mfr. List $475.00 | Call For BSW Price |



## PLM-120 - Power Line Monitor

The PLM-120 provides professional facilities with complete, specific, dynamic and "moment-to-moment" AC power line quality information needed to resolve daily engineering issues. Proper conditioning operation, UPS changeover functioning and isolation of faults in facility power feeds/circuits are covered. Following the CBEMA Curve for proper AC line operation, the unit captures, logs and alarms for all quality violations. RS-232C access to non-volatile event logs assessable via WIN95.

| | | |
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| *PLM120 | Mfr. List $650.00 | Call For BSW Price |



## 280-D - AES/EBU Meter

Designed for measuring AES/EBU digital audio, this meter displays both the peak and average, employing the same ballistics as the analog meters. Over Indication and Peak Hold are incorporated. Complies with SMPTE 155 requirements.

| | | |
|---|---|---|
| *280-D | Mfr. List $850.00 | Call For BSW Price |

* Non-inventory Item subject to return restrictions.

## ESE



### 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.

| | | |
|---|---|---|
| ES215 | Mfr. List $145.00 | Call For BSW Price |
| ES216 | Mfr. List $69.00 | Call For BSW Price |

## LOGITEK



### VUB SERIES - Audio Level Meters

Available in either 2 or 4 VU meters, Logitek lighted mechanical meters have balanced, bridging, high impedance XLR input and rear panel zero adjustment control. Phase checking button for each pair of meters. Easy to install and highly reliable.

| | | |
|---|---|---|
| 2VUB | Mfr. List $525.00 | Call For BSW Price |
| 4VUB | Mfr. List $790.00 | Call For BSW Price |



### SILENCE SENSOR - Audio Signal/Level Meters

See the audio signal and be alerted to silence on any of up to 6 stations using the Logitek audio meter. Choose from 4 threshold levels and 4 time intervals per unit. Displays show VU and true peak. Available in either analog or digital inputs (please specify when ordering). Balanced XLR connectors.

| | | | |
|---|---|---|---|
| *BVS2 | 1 stereo/2 mono inputs | Mfr. List | $610.00 |
| *BVS4 | 2 stereo/4 mono inputs | Mfr. List | $895.00 |
| *BVS6 | 3 stereo/6 mono inputs | Mfr. List | $1,145.00 |

Call For BSW Prices

## 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.

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| RUSM12 | Mfr. List $213.00 | Call For BSW Price |

## BROADCAST TOOLS
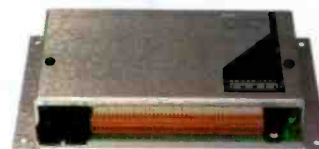


### PSC - Programmable Schedule Controller

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



### ES185A/ES192A/ES101 - Master Clock and Slave Systems

ESE offers a wide selection of accurate time-keeping systems, including state-of-the-art GPS master clocks and slave systems.

The ES192A is an affordable 12-hour master clock with hours, minutes and seconds displayed in .56" high amber LED numbers. Features include an ESE serial time code output, a 1 pps output and a line frequency time base. Available in aluminum, black painted enclosure or optional 1RU rack panel.

The ES185A master clock/time code generator (not shown) features an 8-channel GPS receiver for maximum accuracy (45 nanoseconds) anywhere in the world. It provides outputs for SMPTE/EBU, IRIG-B, ASCII (RS232C) and ESE time code. Additional features include .56" display; rugged 1RU chassis; indoor/outdoor antenna with cable; automatic daylight savings correction; timezone offset; four-hour battery back-up and more.

The new ES101(not shown) is a lower-cost GPS master clock/time code generator. ESE also offers a wide variety of digital slave displays ranging from .4" to 4" high with six enclosure types available.

| | | | |
|---|---|---|---|
| *ES192A | Mfr. List | $270.00 | Call For BSW Price |
| *ES185A | Mfr. List | $2,495.00 | Call For BSW Price |
| *ES101 | Mfr. List | $995.00 | Call For BSW Price |
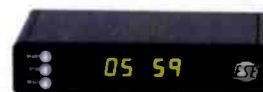


### LX520 - Studio Timer

The LX520 is a 4-digit, 60 minute timer with .56" amber LED displays. Three front panel buttons (Start, Stop and Reset) are used to control the unit. The timer can also be remotely operated by a rear panel connector.

| | | |
|---|---|---|
| LX520 | Mfr. List $285.00 | Call For BSW Price |
| ES520 | Mfr. List $185.00 | Call For BSW Price |

## ESE
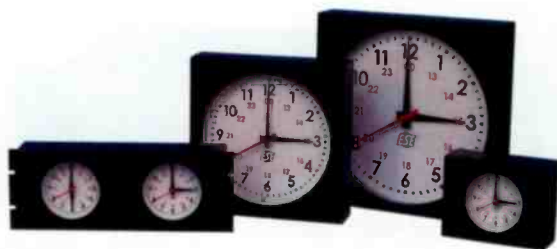
### LX-5100 SERIES - Self-Setting Analog Clock

The smartest analog clock in the world—able to self-set its hands to the correct time as received via any one of three different time code inputs (SMPTE/EBU, ASCII or ESE). Daylight Savings Time correction is automatic. Alternate modes of operation allow the unit to synchronize with an alternating 12 or 24 volt impulse signal, or to act as a stand-alone clock. Sweep or step mode and time zone offset are user-set via rear panel DIP switches. Dial faces are 5", 12" or 16" in diameter. Options include rack mount versions, lighted dial with brightness control and "UL" operation.

| | | |
|---|---|---|
| *LXS105 | Mfr. List $575.00 | Call For BSW Price |
| *LXS112 | Mfr. List $575.00 | Call For BSW Price |
| *LXS116 | Mfr. List $675.00 | Call For BSW Price |

## 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.

| | | | |
|---|---|---|---|
| CT6 | 1x7x2" | Mfr. List $175.00 | Call For BSW Price |
| CT6DSK | 4x7x2" | Mfr. List $195.00 | Call For BSW Price |
| *CT6LARGE | 3x14x5" | Mfr. List $495.00 | Call For BSW Price |

## SETH THOMAS

### 710, 709, 2636 - Wall Clocks

Popular analog wall clocks are easy to read and feature quartz accuracy and second sweep hands. Battery versions run for over a year on a single AA battery.

| | | |
|---|---|---|
| 710 | 14" battery powered w/second sweep | Mfr. List $38.00 |
| 709 | 14" AC powered w/second sweep | Mfr. List $27.85 |
| 2636 | 14" battery powered w/second sweep | Mfr. List $38.00 |
| | Call For BSW Prices | |

## DAVIS

### WEATHER MONITOR II - Weather Monitoring System

The Davis Weather Monitor II™ is a cost-effective weather station that allows you to monitor weather conditions at the push of a button. Weather Monitor II gives you the most requested features of a sophisticated weather station such as outside temperature with high/low temp., 12- or 24-hour clock with date, wind direction, wind speed, wind chill and barometric pressure with memory. Rain collector measures daily and accumulated rainfall. The 7440CS system comes complete with anemometer, 40' of cable, rain collector, external temp. sensor w/25' of cable, junction box w/8' of cable, AC adapter and instructions. Weatherlink software option allows you to process and store data through your PC or MAC. Wireless weather station options are now available. These can transmit from 30 to 120 meters and run on lithium batteries or solar power.

| | | |
|---|---|---|
| 7440CS | Mfr. List $495.00 | Call For BSW Prices |

## RODCO

### COMPUTEMP 5 PLUS - Time/Temperature Monitor

Accurately monitors outdoor and indoor temperatures and time of day. Features: temperature alarm alerts to any predetermined setting; new week-long memory of daily high and low temperatures and the exact time of occurrence; continually alternating LED display; battery back-up memory; removable temperature sensors; optional rotary switch for monitoring up to nine locations; 30' outdoor cable standard (additional lengths available).

| | | |
|---|---|---|
| COMPUTEMP5 | Mfr. List $94.95 | Call For BSW Price |

## TELTEK

### INFORMERII - Digital Temperature Gauge

For accurate temperature reporting, use the InformerII. LCD display operates on one AA battery (replace yearly). Records high and low temperatures in memory. Very accurate and works in high RF fields. Includes 50 feet of cable for outside probe (additional lengths available).

| | | |
|---|---|---|
| INFORMERII | Mfr. List $59.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## 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 synchronization with the last selected operating mode in the event of synchronization 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 $1,500.00        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

## AEQ

### ACD-5001 - Digital Audio Codec

The AEQ ACD-5001 is a dual multi-format audio codec for ISDN lines, with terminal adapters built in, offering all the combined utilities needed for establishing either two independent mono audio channels plus auxiliary data, or one stereo link with the highest possible audio quality and easy operation. The ACD-5001 receiver is designed with the same outstanding features as the MPAC-02 and makes an excellent partner for remote broadcasting. The ACD-5001 is equipped with a full-duplex intercom, allowing simple and independent communication with both audio channels, without external wiring and operations. The monitoring capability permits the oversight of all signals transmitted and received without causing any interference to the communication. **Features:** audio coding algorithms including G.711, G.722 (statistical and H.221/H.242), LD-Extend and ISO/MPEG for mono, dual and stereo transmission at 64 and 128 kbps; up to 15 kHz stereo audio; up to 11.5 kHz bi-directional audio; adaptive echo cancellation using G.711 for maximum quality performance in analog telephone network connections; built-in intercom for direct in line operation; independent dialing for each B channel, with sub-addressing capability; generously sized LCD screen; phone call status on-screen; intercom microphone input and headphone output on front panel; alphanumeric phonebook with 32 inputs; DTMF tone generator for remote equipment control.

    *ACD5001        Mfr. List $2,490.00        Call For BSW Price

### MPAC-02 - Portable Digital Audio Codec

The AEQ MPAC-02 is a multiformat, dual channel, portable audio codec for ISDN remotes and makes an excellent partner with the ACD-5001. It offers the best possible audio and data connections, a user-friendly interface for the journalist with a full set of features for the technician. Offering two-way communications in two independent audio channels on a single ISDN line (the two B channels can be used independently), the MPAC-02 enables the setting-up of simultaneous program and coordination circuits. Levels for all input channels, mix, monitoring, program and coordination are independent. The ability to connect to a standard telephone line, easy access to the dial keypad on the front panel and a back-lit LCD screen with intuitive messages make the MPAC-02 a one-box solution for remotes. Features: digital hybrid with frequency extender, compatible with TH-02EX MKII and TLE-02, operative on analog telephone lines; a digital audio codec G.726/16 kbps for external modem connection; G.711, G.722 (statistical and H.221/H.242), LD-Extend and ISO/MPEG LII for mono, dual or stereo transmission on ISDN lines; up to 15 kHz stereo audio; up to 11.5 kHz bi-directional audio; 3 microphone and 1 mic/line inputs with XLR/jack combo connectors; 3 stereo headphone outputs with independent level controls; independent dialing for ISDN B1 and B2 channels with sub-addressing capabilities.

    *MPAC02        Mfr. List $3,490.00        Call For BSW Price

* Non-inventory item subject to return restrictions.

## APT



### NXL384 - Broadcast Network Transceiver

The NXL384 is designed to deliver broadcast quality audio over fixed digital links such as STLs and permanent studio networks. It utilizes proven apt-X coding technology to provide high-quality audio with negligible coding delay. **Features:** full-duplex operation; 56 to 384 kbps transmission bandwidth; 6.8 kHz mono to 22.5 kHz stereo audio bandwidth; X.21, V.35 data interface options; automatic transmission backup; integral auxiliary data; comprehensive alarm and test functions.

| NXL384 | Mfr. List $3,473.00 | Call For BSW Price |
|---|---|---|



### DRT128 - ISDN Codec

Portable and robust, the DRT128 Digital Reporter Terminal is designed to help for outside broadcast and limited bandwidth applications deliver high-quality audio over the ISDN. It provides reporters with a variety of transmission options, including stereo. **Features:** simultaneous transmission and reception of audio; 16 kHz and 32 kHz sampling frequencies; apt-X digital audio data compression providing negligible coding delay; embedded user data facility; full compatibility with all apt-X-based codes; stereo or mono operation; LCD display and 15-key keypad; balanced XLR I/O; RJ45 and RS232 connectors.

| DRT128 | Mfr. List $4,104.00 | Call For BSW Price |
|---|---|---|



### DSM100/PRO-LINK - Digital Audio Transceiver

Designed for applications in which audio quality is a prime consideration, APT's WorldNet™ DSM100 incorporates high quality apt-X100 data compression, enabling real-time transmission of full duplex digital audio (from 7.5 kHz mono to 22.5 kHz stereo) on low capacity digital circuits such as ISDN and Switched 56. **Features:** simultaneous transmission and reception of full bandwidth mono or stereo audio over low capacity digital links; integral sample rate converter; integral timecode and RS-232 auxiliary data facilities; balanced analog and digital (AES/EBU) I/O.

Designed to enable high quality audio links to be swiftly established and maintained, the Pro-Link ISDN Manager combines a fully featured terminal adapter with an intelligent inverse multiplexer to provide a wide range of bandwidths while automatically maintaining transmission security under adverse conditions. An intelligent device, it synchronizes up to six ISDN B-channels at 64 kbps with a minimal delay. Its integral six-channel terminal adapter allows direct connection to ISDN network terminating units.

**Prices Based on Configuration**

## APT



### BCF256 - Codec

This full duplex codec facilitates FM quality digital audio up to 20 kHz over fixed or ISDN links. Although primarily an ISDN codec, the unit also features an integral X.21 DTE interface. It is capable of operating up to four ISDN B channels with an integral terminal adapter. **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



### HC-3B - Telephone Autocoupler

The HC-3B automatically answers your phone line on a programmable number of rings. It features a simple hybrid circuit that separates incoming and outgoing telephone audio, bridging balanced audio input with a send level control and a low impedance, balanced output. The HC-3b's features make it ideal for a variety of telephone tasks such as listen lines, concert lines and remote broadcasting. Dry relay contacts close at pickup. Options include a combination lock for installation needing password protection and the CP-1 for PBXs without normal hang-up signals.

| HC3B | Mfr. List $239.00 | Call For BSW Price |
|---|---|---|
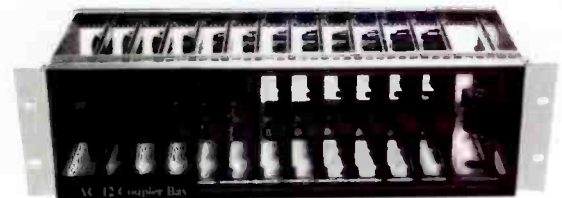


### AC12 - AutoCoupler System

Fits up to a dozen affordable, full-featured 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 which accepts a wide range of input signals; individual relay isolated, user-selected, momentary or latching dry contacts upon connection; automatic signal limiting. Optional CP-1 call progress decoder for PBXs and installations not providing normal end-of-call hang-up signals.

| AC12 | powered chassis | Mfr. List $329.00 | Call For BSW Price |
|---|---|---|---|
| AC1B | coupler cards | Mfr. List $155.00 ea. | Call For BSW Price |
| CP1 | call progress decoder | Mfr. List $100.00 ea. | Call For BSW Price |

## 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 $2,800.00 | **Call For BSW Price** |
| HOTRACK | Mfr. List $3,000.00 | **Call For BSW Price** |



### NEXUS - ISDN Codec

Capable of 15 kHz as well as 7.5 kHz low delay two-way mono audio over ISDN or SW56, the Nexus comes complete with a built-in terminal adapter (TA) and NT1. **Features:** mic/line input; output that provides a variable mix of local program audio and codec return audio; ancillary data; separate data port for SW56 DSU/CSUs; easy set up with keypad, LCD display and memory dial.

| | | | |
|---|---|---|---|
| NEXUS | Portable | Mfr. List $2,300.00 | **Call For BSW Price** |
| NEXUSRACK | Rackmount | Mfr. List $2,500.00 | **Call For BSW Price** |



### VECTOR - POTS Codec

The Vector POTS codec delivers nearly 15 kHz two-way audio on one plain telephone line at a realistic data rate of 24 kbps or higher. **Features:** 3 XLR mic level inputs (3rd is switchable to line level); 3 headphone outputs on 1/4" phone jacks and an extra line level output on XLR that could feed a PA; quick dial memory for one button dialing; auto or manual answering; standard coupler if phone line cannot support modem transmission; compatible with the HotLine POTS codec.

| | | | |
|---|---|---|---|
| VECTOR | Portable | Mfr. List $4,500.00 | **Call For BSW Price** |
| VECTORRACK | Rackmount | Mfr. List $4,500.00 | **Call For BSW Price** |

## COMREX



### MIX-MINUS Bridge

While mixing remote audio sources to program can be easily done on a studio console, it can be very difficult to manage the audio fed back to each remote site. The MIX-MINUS Bridge makes it easy to handle this process by creating up to 5 separate mix-minus feeds (a sum of all program audio except for the audio coming from that device). These feeds are necessary because hosts at remote sites cannot tolerate the time delay associated with modern audio processing. The MIX-MINUS Bridge sends a backfeed to all devices from the studio's audition bus. Inputs are separately selectable, levels are individually controllable, and an IFB feed is available to each source for producer cues.

| | | |
|---|---|---|
| MIXMINUSBridge | Mfr. List $1,200.00 | **Call For BSW Price** |



### 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.

| | | | |
|---|---|---|---|
| DXP1 | portable codec | Mfr. List $1,500.00 | **Call For BSW Price** |
| DXR1 | rack mount codec | Mfr. List $1,500.00 | **Call For BSW Price** |
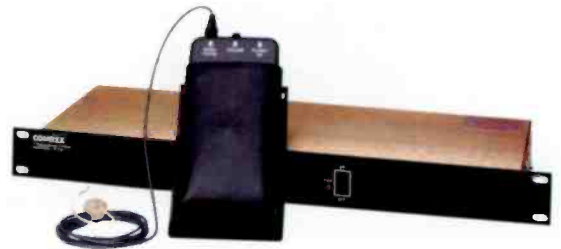


### CTA/LPQRA - Cue System for Wireless IFB

This Cue System sends program and instructions from its transmitter to pocket receivers. The CTA Cue Transmitter is a 1-watt rackmount unit that can be installed in a van, studio, press box, etc. It accepts program and cue audio sources, combining them so that cues automatically override the program. Program remains audible at a lower level. The LPQRA Receiver has a 6 kHz audio response for accurate program monitoring. Ceramic filters allow for interference-free operation. The LPQRA has high-level output for clear understanding in noisy surroundings. A sturdy leather belt pouch and headphone are included.

| | | | |
|---|---|---|---|
| *CTA | Cue Transmitter | Mfr. List $1,350.00 | **Call For BSW Price** |
| *LPQRA | Receiver | Mfr. List $625.00 | **Call For BSW Price** |

* Non-inventory Item subject to return restrictions.

# Look.

# Vector

## POTS Codec

The total remote package.
One standard phone line never sounded better.

Now shipping.

**COMREX**

www.comrex.com

## COMREX



### 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.

| | | |
|---|---|---|
| **LXTR** | **Mfr. List $850.00** | **Call For BSW Price** |



### TCB2/TCB1 - Telephone Couplers

It's easy to put your audio on the phone with the TCB-2 auto-answer coupler from Comrex. Built specifically for broadcast use, the TCB-2 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-1 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.

| | | |
|---|---|---|
| **TCB2A** | **Mfr. List $250.00** | **Call For BSW Price** |
| **TCB1A** | **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** |

## CONEX



### 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 $349.00** | **Call For BSW Price** |

## EXCALIBUR



### HC-1 - Handy Coupler

The HC-1 gives you the simplest, quickest, most convenient way to connect audio to a telephone. The HC-1 connects in series with the handset of any telephone using modular connectors. External audio is connected via 1/4" connectors on back. Unit is passive, so no power is required. Simply press the front panel on-off button and external audio in and out are connected to your telephone. Release the button and the handset is once again connected, allowing normal use of the telephone.

The HC-1 is ideal for use in many locations around your station including news, production and sales departments.

| | | |
|---|---|---|
| **HC-1** | **Mfr. List $99.00** | **Call For BSW Price** |



### HA-1 - Hybrid Adapter

The HA-1 hybrid adapter allows you to use your favorite broadcast hybrid with almost any telephone…old, new, single or multiple line, etc. Since the HA-1 hooks up through your telephone instrument's handset connector, no connection to the telephone line is needed. With the HA-1's front panel push buttons, connecting your hybrid is fast and easy…and the hybrid performance is the same as if hooked directly to the central office line.

| | | |
|---|---|---|
| **HA-1** | **Mfr. List $99.00** | **Call For BSW Price** |

## For More Telephone Remote Products
## See Pages 50-53

## 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 up the handset to talk to the caller off-air and hang up the handset to disconnect the call.

| | | |
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| **TELEHYBRID** | **Mfr. List $749.00** | **Call For BSW Price** |



### DH30 - Digital Telephone Hybrid

The 24-bit DH30 provides the highest quality audio interface between your telephone line and audio equipment. Designed with AES/EBU and XLR analog I/Os, the DH30 can interface with the latest digital consoles as well as analog applications. **Features:** 24-bit digital signal processing (DSP); Record and Cue functions; selectable auto mix-minus; selectable acoustic echo cancellation; selectable auto answer; integrated monitor amp with front-panel volume control; remote control via rear-panel connection; 3-band equalizer; adjustable compressor and downward expander; adjustable caller control (ducking).

| | | |
|---|---|---|
| **DH30** | **Mfr. List $1,995.00** | **Call For BSW Price** |



### 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 $1,595.00** | **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 production. Gentner's exclusive audio filtering and equalization eliminates unwanted noise and hum while maximizing the intelligibility of caller audio. The SPH10 has caller-only and caller-plus send (mix) outputs for recording. **Features:** simple installation and operates on standard phone lines with RJ11C modular jack; balanced and unbalanced mix output for recording both sides of the conversation; built-in monitor amp allows hands-free monitoring of calls without a headset; front panel controls; balanced XLR I/Os.

| | | |
|---|---|---|
| **SPH10** | **Mfr. List $499.00** | **Call For BSW Price** |



### TS612 v.2.5 - 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 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.

New features for software upgrade 2.5 include: Split-Caller mode which brings two callers to the audio console independently; Split-Hybrid mode which brings two callers to the console independently and returns your program mix to the TS612 on two separate channels; Previous Hold which places calls on hold automatically when you select another line; and Two-Button Hold which allows you to place a single call on hold when two or more lines are conferenced together.

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 ensuring 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.

| | | | |
|---|---|---|---|
| **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



### HYBRID COUPLER - Phone Coupler

Here's a low-cost telephone coupler that provides both "Send" and "Caller" capabilities. This unit turns the two-wire telephone circuit into a four-wire system. It's a perfect match for the EFT100 or any time you need a connection to a telephone line.

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



### AUTO COUPLER - Automatic Phone Coupler

If you're looking for an automatic answering and disconnect hybrid coupler, the Auto Coupler is just what you need. It gives you both "Send" and "Caller" capabilities. Use this with the EFT100 or anytime you need an automatic answer and disconnect to a telephone line.

AUTOCOUPLER      Mfr. List $349.00      **Call For BSW Price**



### TELESWITCH - Telephone Call Director

With TeleSwitch, up to 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 as simple as using a multi-line telephone. Control panel lights indicate whether the line is ringing, in use, on hold, or available. Unit uses standard RJ11C telephone connectors.

TELESWITCH      Mfr. List $1,045.00      **Call For BSW Price**



### MICROTEL - Telephone Interface

Microtel is a portable, battery operated telephone interface used in a variety of applications. Typically, Microtel replaces the handset of the telephone to permit high-quality audio feeding down the phone line while simultaneously monitoring the return audio. Microtel is powered by a single 9V battery. Applications: portable mixing, studio talkback, in-the-field news mixing/telephone feeding, sports console/back-up sports console, mic to line driver for equalized program loops.

MICROTEL1      Mfr. List $272.00      **Call For BSW Price**

## HENRY ENGINEERING



### AUDIO ONLINE - Telephone Information System

This telephone information system is designed specifically for radio stations. It's perfect for "listener information" lines providing concert information, weather/ski/surf reports, school closings, road/traffic conditions, contest rules, etc. AUDIO ONLINE is caller-interactive; the caller can select from a menu of multiple messages. The system is fully automatic and operates unattended. The system consists of special multi-line telephone modem boards and software that runs on a regular DOS-based PC (user supplied). Messages are recorded on the computer's hard drive. An 80MB drive will store over 2 hours of messages. Up to 16 phone lines can be answered simultaneously with AUDIO ONLINE with hundreds of messages available to callers. A call counter tracks the number of times each message has played.

*Two-Line Version Starts At $995.00 Mfr. List      **Call For BSW Prices**



### DIGISTOR - 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 8 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.

| | | |
|---|---|---|
| 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).

MIXMINUSPLUS      Mfr. List $195.00      **Call For BSW Price**

* Non-inventory item subject to return restrictions.

# Telco Equipment

## INOVONICS



### PBX - Remote Telephone Line Switcher

The PBX allows as many as 7 devices to share a single line for both incoming and outgoing calls. Features: up to 7 devices per unit – 2 or more PBXs can be daisy-chained to accommodate additional devices if needed; incoming calls are selectively routed to the proper extension with DTMF touch-tone commands; "priority channel" gains immediate access to the line (useful for alarms and signal problem notifications); easy installation.

| PBX000 | Mfr. List $420.00 | Call For BSW Price |
|---|---|---|

## JK AUDIO



### THAT-1/THAT-2 - Telephone Handset Audio Tap

Connect THAT-1 or THAT-2 between your telephone and handset for quick access to audio in and out of the telephone. Works with analog, digital, PBX and ISDN telephones. THAT-1 features RCA I/Os. THAT-2 adds XLR I/Os and a handset type selector switch.

| THAT1 | Mfr. List $150.00 | Call For BSW Price |
|---|---|---|
| THAT2 | Mfr. List $225.00 | Call For BSW Price |

## MARTI



### SMARTI - Standard Telephone Codec System

The SMARTI can send and receive 7.5 kHz audio over a single standard analog telephone line with true broadcast audio quality. Within easy reach, SMARTI's functions are menu driven from the telephone style keypad and displayed on the easy to read 2x16 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 and automatically adjusts speed up and down to match the telephone line conditions. Additional features include: supports up to 33.6 kbps depending on the phone line (7 kHz audio at 24 kbps); full duplex data connection for attaching two computers via data port; 10 telephone number storage (up to 70 characters each); up or down event timer; 2 relay contact closures for control at both ends of link; headphone jack with program and return switches; operates from 90 to 264 volts (50/60 Hz) without setting switches or jumpers. The RKS-411 SMARTI incorporates a fully functional mixer with 4 inputs. The RKS-111 SMARTI is a single input unit that can either be rack mounted or used in the field. The RKS-111 can also be operated off battery. (RKS-111 uses the same battery that the Cellcast and RPT-15 use).

| SMARTI (RKS-411) | 4 input telephone codec | Mfr. List $2,875.00 |
|---|---|---|
| SMARTI1 (RKS-111) | 1 input telephone codec | Mfr. List $2,575.00 |
| | Call For BSW Prices | |

## 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; broadcast timer.

| *CELLCAST RBS-400 | Mfr. List $2,950.00 | Call For BSW Price |
|---|---|---|

## MUSICAM USA



### ROADRUNNER - ISDN Codec

RoadRunner is an economical, compact codec that provides full frequency (up to 20 kHz) bi-directional mono audio over an ISDN line. It comes complete with mic and line level mixing inputs so you can mix "on the fly." Features: automatically adjusts to incoming algorithm and bit rates; fully bi-directional with a built-in terminal adapter; provides the highest quality digital audio at bit rates of 56, 64, 112 and 128 kbps; compatible with G.722, CCS MUSICAM, Layer II and Layer III; balanced and unbalanced line level outputs for received audio; three-channel mixer; two headphone jacks; 256 speed dial addresses; built-in automatic functions and remote control.

| RR103 | Mfr. List $2,800.00 | Call For BSW Price |
|---|---|---|



### FIELDFONE II/STUDIOFONE - Standard Phone Line Codec

FieldFone II and StudioFone are an integrated system for sending broadcast quality audio over a single analog phone line. Features: bi-directional broadcast quality audio (10.2 kHz at 33.6 kbps); operates at transmission bit rates as low as 12 kbps; easy to operate – just speed dial and you're on the air; real-time line quality monitor; automatic fall-back to correct for changes in line quality; four bi-directional relay contact closures to actuate remote equipment; Layer III-based algorithm optimized for great sounding remotes at low bit rates; FieldFone with 2 XLR mic and 1 XLR mic/line input plus 2 independent headphone monitor jacks; StudioFone with front rack mount panel, IFB Talk-Back and monitor speaker.

| FIELDFONEII | Mfr. List $3,350.00 | Call For BSW Price |
|---|---|---|
| STUDIOFONE | Mfr. List $3,550.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## MUSICAM USA



### CDQPRIMA SERIES - ISDN Codec

CDQPrima digital audio codecs provide the best audio quality and the most connectivity for ISDN audio transmission. **Features:** full duplex bi-directional 20 kHz stereo; full contribution quality of up to 384 kbps; use over ISDN, satellite, T1, E1 and dedicated lines; exclusive CCS MUSICAM enhanced ISO/MPEG Layer II; compatible with ISO/MPEG Layer III and G.722; SMPTE timecode; AES/EBU digital inputs and outputs; 20-bit A/D converters: ultra-low distortion of less than 0.01%; built-in automatic smart features and programmable functions. CDQPRIMA120 with VU meters, status LEDs and one ISDN terminal adapter; CDQPRIMA210 without VU meters, LEDs and monitoring jacks (perfect for unattended use), but with 3 interface module slots for up to three ISDN lines or mixed digital interface modules (one ISDN terminal adapter included); CDQPRIMA220 with total features of both models. Many other options and configurations available.

| | | |
|---|---|---|
| CDQPRIMA120 | Mfr. List $4,950.00 | Call For BSW Price |
| CDQPRIMA210 | Mfr. List $4,500.00 | Call For BSW Price |
| CDQPRIMA220 | Mfr. List $5,450.00 | Call For B5W 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 adapter available. Requires 6 AA batteries for portable use.

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| TLM500 | Mfr. List $229.00 | Call For BSW Price |
| TLM500P5 | Mfr. List $14.95 | 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 perfect for news and production.

| | | | |
|---|---|---|---|
| RSVP | | Mfr. List $156.00 | Call For BSW Price |
| SVP | w/o record feature | Mfr. List $135.50 | Call For BSW Price |

## SOUND AMERICA



### 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 a momentary mic mute (cough) and selector switches for different input attenuation and impedance ranges.

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|---|---|---|
| TAC | Mfr. List $99.00 | Call For BSW Price |
| TAC+ | Mfr. List $110.50 | Call For B5W Price |

## TELOS



### 100 DELTA - Digital Hybrid

The advanced digital signal processing (DSP) in the Telos 100 Delta results in full-duplex, natural sounding conversation on even the most difficult phone lines. Plus, smart digital gain control and equalization offer increased caller intelligibility. The EQ examines the caller audio in three bands and automatically equalizes the high and low bands.

Other digital processing components include logarithmic (dB) dynamics control, context sensitive output AGC, and feedback suppression for greater gain before feedback when monitoring callers through open speakers.

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| 140 DELTA | Mfr. List $2,180.00 | Call For BSW Price |



### TELOS ONE/ONE PLUS ONE - Digital Telephone Hybrids

The Telos ONE is the perfect low-cost solution for any telephone interface application. It automatically adapts to each call and all processing is in the digital domain. **Features:** sophisticated AGC on input and output; an advanced downward expander on the caller audio; digital processing to reduce feedback when monitoring with open speakers.

The input of the Telos ONE is switchable for mic or line level and two outputs are provided. It comes in either a rack chassis or a modem style case.

The Telos ONE plus ONE starts with two independent Telos ONE digital hybrids in a single rack-unit chassis. A unique internal mix-minus matrix cross couples the outputs of the two hybrids. In a dual hybrid application, you need send the Telos ONE plus ONE only a single mix-minus.

| | | | |
|---|---|---|---|
| 120-1 | Telos One modem case | Mfr. List | $680.00 |
| 125 | Telos One rack mount | Mfr. List | $1,050.00 |
| 150 | Telos One Plus One | Mfr. List | $2,180.00 |

**Call For BSW Prices**

## 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. 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 without 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



### AUDIOACTIVE - Internet Audio System

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

| | | |
|---|---|---|
| *7000-0000 | Mfr. List $2,450.00 | Call for BSW Price |





### ZEPHYR / ZEPHYREXPRESS - Network Audio Transceivers

Zephyr is the ideal solution for remote broadcasts, ad hoc networks, voiceovers, commercial distribution, backup to microwave and satellite links, and many other applications. On just one ISDN circuit, Zephyr can convey 20 kHz duplex stereo audio, and it can transmit 15 kHz mono audio using only one of an ISDN line's two channels. MPEG audio Layers III and Layer II, as well as G.722, are provided for the highest audio quality and compatibility with nearly every installed codec. Features include a built-in ISDN terminal adaptor with NT-1 and 9600 baud RS-232 bi-directional data for communications and control. Available V.35 connection allows Zephyr to connect with Switched 56 and other data links. Zephyr includes full metering, a headphone jack, mic/line inputs, and input protection limiting.

With the ZephyrExpress sending live audio from the field via ISDN has never been easier. Telos lightens your remote broadcast burden by combining a full-featured codec, an ISDN terminal 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.

The three–input mixer has two mono mic level and a two-channel line level input. Two independent headphone outputs have selectable source controls for monitoring local and/or return audio. Optional hard and soft carrying cases are also available.

| | | | |
|---|---|---|---|
| 9102 | mono Zephyr | Mfr. List | $3,980.00 |
| 9202 | stereo Zephyr | Mfr. List | $4,980.00 |
| 9302 | stereo ZephyrExpress | Mfr. List | $5,280.00 |

**Call For BSW Prices And Other Configurations**

\* Non-inventory item subject to return restrictions.

## BIRD

### Test Equipment

Now in its fifth decade of serving the broadcast industry, Bird Electronic Corporation has been the pioneer in developing products for measurement, filtering and termination of RF power. Originally developed in response to specific design requirements of broadcast equipment manufacturers, Bird Electronic's products have since become standards of the industry.

**\*Call BSW With Your Requirements**

## DENON

### C39-7147 - Audio Technical CD

Contains 99 tracks of various test tones, measurement signals and source material for sound quality evaluation. Recorded, mastered and transferred with Denon's own PCM Digital Technology

| | | |
|---|---|---|
| CDTEST | Mfr. List $39.95 | Call For BSW Price |

## CONEX

### TONEJACK - Audio Frequency Generator

The Conex RX11 is a very compact audio frequency generator providing sine and square-wave signals with very accurate frequencies from 1 Hz to 29,999 Hz. It is useful in testing the response of systems, filters, tone sensors, etc. Log sweep from 50 Hz to 20 kHz with 50 steps. Compact 3" x 5" package.

| | | |
|---|---|---|
| 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; outputs drive either 600 or 50 ohms.

| | | |
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| *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.

| | | |
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| TT15 | Mfr. List $60.00 | Call For BSW Price |

## GOLD LINE

### 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.

| | | |
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| ASA10B | Mfr. List $374.00 | **Call For BSW Price** |
| PN2 Pink Noise Generator | Mfr. List $95.00 | **Call For BSW Price** |

### DSP30 - Digital Portable RTA

The DSP30 series RTAs from Gold Line offer cutting edge technology and convenience at an affordable price. There are two models to choose from.

The DSP30 is a portable unit in a high-impact strength ABS case. The DSP30RM is a rack mounted version. **Features:** an 85dB window which is not limited by the display; automatic sum and average functions; scales from .25 to 5 dB; adjustable filters for triple tuned or sharper; SPL and weighted curves (Flat, "A", "C", or user defined); 6 active memories expandable to 30 with optional EEPROM and a 600 ohm, differential balanced, condenser microphone. Goldline offers a host of options to customize your DSP system to your liking, just give us a call for detailed information. DSP30 models require optional pink noise source such as PN2 or PN3.

| | | |
|---|---|---|
| *DSP30 | Mfr. List $1,579.00 | **Call For BSW Price** |
| *DSP30RM | Mfr. List $2,300.00 | **Call For BSW Price** |

### 30M8/30M8RM - Audio Spectrum Analyzer

The 30M8 is a portable 1/3 Octave Audio Spectrum Analyzer. **Features:** eight memories; calibrated for accurate sound pressure level readings; reads in IEC A, C and Flat weighting; helps to eliminate feedback; XLR microphone input with 12Vdc phantom power; unbalanced 1/4" line input with 10 kohm impedance. Requires external pink noise generator such as the PN2 or PN3A. Shown is the 30M8RM rack mount version that includes a pink noise generator (rack case and cable not included).

| | | |
|---|---|---|
| *30M8 | Mfr. List $736.00 | **Call For BSW Price** |
| *30M8RM | Mfr. List $749.95 | **Call For BSW Price** |

## GOLD LINE

### APT2 - Absolute Phase Tester

The Gold Line Polarity / Phase Analyzer utilizes state-of-the-art signal processing to accurately determine absolute polarity, unimpaired by passive crossovers or signal waveform distortions produced by the device under test. The APT2 works on tweeters, mid-ranges, woofers, subwoofer speakers and cabinets, equalizers, amplifiers and crossovers. With this handy instrument an entire speaker system can be checked in only seconds. The Polarity/Phase Detector (APT) and Pulse Generator (PG) are supplied as separate units.

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| *APT2 | Mfr. List $284.00 | **Call For BSW Price** |

### PN2/PN3A - Pink Noise Generators

Gold Line's PN2 generates continuous pink noise and is powered by a 9v battery. Output is unbalanced 620 ohms with a 1/4" jack. The 9v battery-powered PN3 generates pink noise in continuous or burst format. RT60 burst is 11 seconds STA (loudspeaker timing); pulse is 9 milliseconds.

| | | |
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| PN2 | Mfr. List $95.00 | **Call For BSW Price** |
| PN3A | Mfr. List $147.00 | **Call For BSW Price** |

### TS1/TS2 - Audio Test Sets

The TS1 provides a combination of three precision test instruments and is capable of making audio frequency tests and measurements with a high degree of accuracy and in less time than conventional test instruments. The TS1 combines a low distortion oscillator, a frequency counter, and a dB meter in a compact unit complete with AC power supply. TS2 adds an impedance meter. Limited two-year warranty.

| | | |
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| TS1 | Mfr. List $399.95 | **Call For BSW Price** |
| TS2 | Mfr. List $578.00 | **Call For BSW Price** |

### ZM1 - Impedance Meter

The ZM1 measures the impedance of loudspeakers and entire distributed loudspeaker systems as well as individual components (resistors, capacitors, inductors). It will also calculate the wattage that will be produced on an installed loudspeaker system. Requires eight "AA" batteries.

| | | |
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| *ZM1 | Mfr. List $379.95 | **Call For BSW Price** |

## POTOMAC



### AA-51A - Audio Analyzer

The AA-51A is a multipurpose, precision audio analyzer designed specifically to enable the measurement of critical audio parameters in terrestrial broadcast transmitter facilities. This instrument measures audio level, total harmonic distortion, intermodulation distortion, frequency response, wow and flutter, stereo signal phasing, left channel/right channel amplitude ratio and frequency. The AA-51A exhibits excellent RF shielding.

| | | |
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| *AA51A | Mfr. List $4,145.00 | Call For BSW Price |



### AG-51 - Stereo Audio Generator

The AG51 produces low distortion sine wave signals from 20 Hz to 200 kHz, a 3.15 kHz fixed frequency wow and flutter test signal and an intermodulation test signal of 60 Hz and 7 kHz at a 4:1 ratio. Output signals are simultaneously available at levels of up to +20 dBm at separate LEFT and RIGHT output ports. Outputs may be selected for left only, right only, left and right in phase (L+R), or left with right in 180° opposition (L-R). Outputs are balanced (or unbalanced) at a source impedance of 600 ohms (or 150 ohms).

| | | |
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| *AG51 | Mfr. List $3,820.00 | Call For BSW Price |

## RDL



### RU-OSC4A - Sequencing Audio Oscillator

This device features 4 separate oscillators set at 100 Hz, 1 kHz, 7.5 kHz and 15 kHz. Tones sequence through, holding on each for a user-selectable period from 3 to 30 seconds with a silent period between the 15 kHz and 100 Hz tones. A hold button allows the user to manually hold a tone indefinitely until the hold button in pushed again. Continuing to push the hold button selects the next frequency for fully manual operation. Output connections are made via barrier block terminals.

| | | |
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| RUOSC4A | Mfr. List $255.00 | Call For BSW Price |



### ST-OSC2 A&B - Dual Audio Oscillators

From the popular Stick-On Series come these handy oscillators that can be mounted in a variety of ways to best suit your application. Both models provide separate left and right audio signals and are powered via an external 24 vdc power supply. The ST-OSC2A provides 1 kHz and 10 kHz tones. The ST-OSC2B has a complete set of frequency response test tones including 100, 400, 1k and 10kHz.

| | | |
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| STOSC2A | Mfr. List $98.00 | Call For BSW Price |
| STOSC2B | Mfr. List $98.00 | Call For BSW Price |

## STANDARD TAPE LABORATORY



### Test Tapes

Complete selection of test tapes for every application. Available in open reel, cassette and audio cartridge. Call BSW with your requirements.

## WHIRLWIND



### QBOX- Audio Line Tester

Send a tone or signal over any XLR line. In one battery-powered unit, you have a microphone, a speaker, a test tone generator, outputs for standard headphones, a 1/4" jack for line in and voltage presence LEDs for confirming phantom or intercom power.

| | | |
|---|---|---|
| Qbox | Mfr. List $199.00 | Call For BSW Price |



### TESTER - Cable Tester

Check for shorts and bad connections easily with the Whirlwind cable tester. Accommodates XLR, 1/4" and phono plugs. 9-volt battery required. Fits in your tool box.

| | | |
|---|---|---|
| TESTER | Mfr. List $77.95 | Call For BSW Price |

## AMERICAN RECORDER TECHNOLOGY



### CO-2 - Dust and Particle Remover

The CO-2 is the world's smallest cleaner for removing dust and particles from all audio equipment. The CO-2 uses a special dispenser with a 12-gram cartridge of high-velocity, pure carbon dioxide gas, having six times the power of regular aerosols. The empty cartridge can be recycled and additional replacement cartridges are economically priced.

| | | |
|---|---|---|
| CO2 | Mfr. List $20.00 | Call For BSW Price |

* Non-inventory item subject to return restrictions.

## TECHNICS

### SL1200MKII - 2-Speed Turntable

The industry's most popular turntable is – without a doubt – the 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.

| | | |
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| SL1200MKII | Mfr. List $599.95 | Call For BSW Price |

## STANTON

Stanton has always been known as a quality leader in the DJ and broadcast markets. The 500AL may be the most popular of all broadcast cartridges for its durability and spherical tip that make it suitable for back-cueing. Tracking pressure is for 2-5 grams. The 500EL is basically the same but with an elliptical tip. The 500EMKII tracks at 1-2 grams with an elliptical tip. The 680 series is for studio work with less back-cueing and greater fidelity. Both track at 2-5 grams; the 680AL is spherical, the 680EL is elliptical.

| Cartridge | | Replacement Styli | |
|---|---|---|---|
| Model | Mfr. List | Model | Mfr. List |
| 500AL | $50.00 | D5107AL | $26.00 |
| 500EL | $53.00 | D5100EL | $28.00 |
| 500EMKII | $41.00 | D50EMKII | $22.00 |
| 680AL | $125.00 | D6800AL | $45.00 |
| 680EL | $147.00 | D6800EEEIII | $41.00 |
| | Call For BSW Prices | | |

## SHURE

Shure cartridges offer reliability and excellent sound reproduction. All three models shown feature a spherical diamond stylus (0.7 mil) with a large-diameter stylus assembly. Tracking force specs are as follows: M44GX .75 to 1.5 grams; M447X 1.5 to 3 grams; SS35C 4 to 5 grams.

| Cartridge | | Replacement Styli | |
|---|---|---|---|
| Model | Mfr. List | Model | Mfr. List |
| M44GX | $50.00 | N44GX | $29.00 |
| M447X | $50.00 | N447X | $29.00 |
| SC35C | $60.00 | SS35C | $31.00 |
| | Call For BSW Prices | | |

## ATI

### P100S - Turntable Preamp

This preamp offers state-of-the-art specs in a cost-effective enclosure. Quality components allow the P100S to achieve a 90 dB signal-to-noise ratio; channel separation of 60 dB; minimum distortion 0.1%; maximum 20 Hz -20 kHz.

| | | |
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| P100S | Mfr. List $339.00 | Call For BSW Price |

## RDL

### ST-PH1 - Turntable Preamp

The STPH1 provides accurate, low-noise preamplification at a very reasonable cost. Features: balanced and unbalanced, high and low-z outputs with level controls for left and right output; total harmonic distortion from 10 Hz to 30 kHz is <0.03% with hi-z load and <0.015% with 600 ohm load; equalization follows RIAA curve; small enough to stick on the back of your turntable base.

| | | |
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| STPH1 | Mfr. List $126.900 | Call For BSW Price |

## RANE

### PS1 - Turntable Preamp

The PS1 uses high-quality, audio grade components for a pristine audio path. Features: switchable cartridge loading capacitors; 0.1 dB RIAA accuracy; balanced high-current line drivers; RCA outputs.

| | | |
|---|---|---|
| PS1RANE | Mfr. List $229.00 | Call For BSW Price |

## 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 |

## WIRE SELECTION GUIDE

BSW can supply you with wire for virtually any audio or broadcast RF application. Below is a list of common wires for professional audio. Custom lengths are available in some cases. Contact a BSW sales representative for details. Note: all wire is considered non-stock with return restrictions.

**Call for pricing on the lengths you require.**



### Microphone

| Part Number | Description | Mfr. |
| --- | --- | --- |
| 8412 | 20 AWG Two Conductor Stranded | Belden |
| 1192A | 24 AWG Star Quad | Belden |
| 1804A | 28 AWG Mini Star Quad | Belden |
| MP1022 | 24 AWG Two Conductor Stranded | Gepco |
| MP1042 | 20 AWG Two Cond. Rubber Jacket | Gepco |
| MP1201 | 24 AWG 4 Conductor Stranded | Gepco |
| 533 | 22 AWG Two Conductor Stranded | W. Penn |
| 534 | 22 AWG 4 Conductor Stranded | W. Penn |

### General Audio

| Part Number | Description | Mfr. |
| --- | --- | --- |
| 8451 | 22 AWG Stranded Audio | Belden |
| 8723 | 22 AWG Dual Pair | Belden |
| 9451 | 22 AWG Bonded Shield | Belden |
| 1504A | 22 AWG Stereo Zip Style | Belden |
| 61801 | 22 AWG Stranded Audio | Gepco |
| D61801EZ | 22 AWG Stereo Zip Style | Gepco |
| 291 | 22 AWG Twisted Pair | W. Penn |
| 452 | 22 AWG Stranded Audio | W. Penn |
| 2452 | 22 AWG Stereo Zip Style | W. Penn |

### AES / EBU DIGITAL AUDIO

| Part Number | Description | Mfr. |
| --- | --- | --- |
| 1800A | 24 AWG Bonded Beldfoil | Belden |
| 1800F | 24 AWG High Flex French Braid | Belden |
| 1801A | 24 AWG Beldfoil Plenum | Belden |
| 1802A | 24AWG 2 Pair Zip Style | Belden |
| 5524 | 24 AWG Foil Shield | Gepco |
| 5526 | 26 AWG Audio Patch Cable | Gepco |
| 5524SD | 24 AWG Punch Block Cable | Gepco |

### Digital/LAN

| Part Number | Description | Mfr. |
| --- | --- | --- |
| 1583A | Cat 5 4 Pair N/Plenum Solid | Belden |
| 1752A | Data Twist 350 4 Pair N/Plen. Stranded | Belden |
| 1872A | Media Twist 350 High Performance | Belden |
| WP54586 | Cat 5 4 Pair N/Plenum Solid | W. Penn |
| WP54598 | Cat 5 4 Pair Plenum Solid | W. Penn |
| WP54782 | Cat 5 4 Pair Plenum Solid Shielded | W. Penn |
| WP54783 | Cat 5 4 Pair N/Plenum Solid Shielded | W. Penn |

### Speaker

| Part Number | Description | Mfr. |
| --- | --- | --- |
| 9716 | 18 AWG Stranded (16 X 30) | Belden |
| 9717 | 16 AWG Stranded (26 X 30) | Belden |
| 9718 | 12 AWG Stranded (65 X 30) | Belden |
| GSC1020FC | 10 AWG Stranded (413 X 36) | Gepco |
| GSC1220FC | 12 AWG Stranded (259 X 36) | Gepco |
| 103 | 20 AWG Stranded (7 X 28) | W. Penn |
| 104 | 18 AWG Stranded (7 X 26) | W. Penn |
| 105 | 16 AWG Stranded (19 X 29) | W. Penn |

### Multipair Audio

| Part Number | Description | Mfr. |
| --- | --- | --- |
| 1816A | 22 AWG 6 Pair Numbered | Belden |
| 1818A | 22 AWG 12 Pair Numbered | Belden |
| 1819A | 22 AWG 16 Pair Numbered | Belden |
| 1821A | 22 AWG 24 Pair Numbered | Belden |
| GA80308 | 26 AWG 8 Pair Numbered | Gepco |
| GA80312 | 26 AWG 12 Pair Numbered | Gepco |
| GA80316 | 26 AWG 16 Pair Numbered | Gepco |
| GA80326 | 26 AWG 26 Pair Numbered | Gepco |
| GA80340 | 26 AWG 40 Pair Numbered | Gepco |
| WP54133 | 22 AWG 6 Pair Numbered | W. Penn |
| WP54135 | 22 AWG 12 Pair Numbered | W. Penn |
| WP54136 | 22 AWG 16 Pair Numbered | W. Penn |
| WP54138 | 22 AWG 24 Pair Numbered | W. Penn |

### RF 50 ohm

| Part Number | Description | Mfr. |
| --- | --- | --- |
| 8259 | Standard RG58A/U | Belden |
| 8267 | RG213/U Mil Spec | Belden |
| 8268 | RG 214/U Mil Spec | Belden |
| 9310 | RG59A/U w/ Foil Shield | Belden |
| 9913 | Low Loss RG8 Type | Belden |
| 9913F | High Flex 9913 | Belden |
| 7213 | RG213/U Mil Spec | Gepco |
| 7214 | RG 214/U Mil Spec | Gepco |
| 7240 | RG8/U Type N/ Plenum | Gepco |
| 810 | RG8 Type Non Plenum | W. Penn |
| 812 | RG58A/U Type Non Plenum | W. Penn |

### RF 75 ohm

| Part Number | Description | Mfr. |
| --- | --- | --- |
| 8241 | RG59/U Non Plenum | Belden |
| 88241 | RG59/U Plenum | Belden |
| 9248 | RG6/U Non Plenum | Belden |
| 89248 | RG6/U  Plenum | Belden |
| 9292 | RG11/U Non Plenum | Belden |
| 89292 | RG11/U  Plenum | Belden |
| 7572 | RG59/U Non Plenum | Gepco |
| 7726 | RG6/U Non Plenum | Gepco |
| 7913 | RG11/U Non Plenum | Gepco |
| 801 | RG11/U Non Plenum | W. Penn |
| 804 | RG59/U Non Plenum | W. Penn |
| 841 | RG6/U Non Plenum | W. Penn |

### Miscellaneous

| Part Number | Description | Mfr. |
| --- | --- | --- |
| 8000 | 14 AWG Antenna Wire (7 X 22) | Belden |
| 8002 | 16 AWG Antenna Wire (7 X 24) | Belden |
| 8011 | 12 AWG Bus Bar Wire | Belden |
| 8230 | 20 AWG TV Twin Lead | Belden |

All wire and cable are non-inventory items subject to return restrictions.

## HOSA

BSW can supply you with cables and connectors for virtually any audio or broadcast RF application. Below is a list of common cables for professional audio. Call us for pricing and more information on the cables you need.

### Audio Cables

Sturdy pre-molded cables carry lifetime warranty against failure due to manufacturer defect.

| Model | Description | Mfr. List |
|---|---|---|
| CRA105 | RCA - RCA, 5 ft. | $4.25 |
| CRA110 | RCA - RCA, 10 ft. | $5.50 |
| CPR105 | RCA - 1/4", 5 ft. | $4.50 |
| CPR110 | RCA - 1/4", 10 ft. | $6.00 |
| CPP105 | 1/4" - 1/4", 5 ft. | $4.75 |
| CPP110 | 1/4" - 1/4", 10 ft. | $6.25 |
| CSS105 | 1/4" stereo - 1/4" stereo, 5 ft. | $7.00 |
| CSS110 | 1/4" stereo - 1/4" stereo, 10 ft. | $8.00 |
| PXF105 | 1/4" mono - XLR (F), 5 ft. | $12.00 |
| PXF110 | 1/4" mono - XLR (F), 10 ft. | $13.00 |
| PXM105 | 1/4" mono - XLR (M), 5 ft. | $11.00 |
| PXM110 | 1/4" mono - XLR (M), 10 ft. | $12.00 |
| XRF105 | XLR (F) - RCA, 5 ft. | $11.00 |
| XRM105 | XLR (M) - RCA, 5 ft. | $10.50 |
| STX105M | XLR (M) - 1/4" TRS, 5 ft. | $12.50 |
| STX105F | XLR (F) - 1/4" TRS, 5 ft. | $13.00 |
| CRA202 | Dual RCA - RCA, 6.6' | $7.50 |
| CRA203 | Dual RCA - RCA, 9.9' | $9.00 |
| CPR202 | Dual RCA - 1/4", 6.6' | $8.00 |
| CPR203 | Dual RCA - 1/4", 9.9' | $9.50 |
| CPP202 | Dual 1/4' - 1/4", 6.6' | $8.50 |
| CPP203 | Dual 1/4' - 1/4", 9.9' | $10.50 |
| YPP117 | 1/4" TRS - 1/4" female tip and ring | $7.00 |
| YPR102 | 1/4" TRS - RCA female tip and ring | $4.75 |
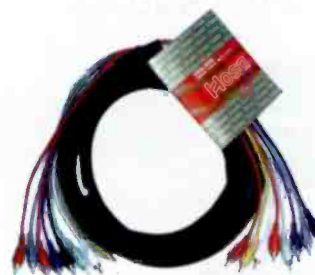
## HOSA

Hosa has a complete line of multichannel snakes that are perfect for interfacing your outboard recording gear to consoles, etc. Eight color coded, low-capacitance leads are bundled into a single, tough rubber jacket. Available in virtually any combination of RCA, 1/4", XLR and TRS in lengths from 6.6' to 23.1'. Also available with ends for ADAT, Tascam, Fostex, Yamaha and other popular recorder interfaces.

**\*Price Based On Configuration**   **Call For BSW Prices**

### Adapters

Stock up your toolbox so you're never caught unprepared! Lifetime warranty against failure due to manufacturer defect on all adapters.

| Model | Description | Mfr. List |
|---|---|---|
| GPR101 | 1/4" male - RCA female | $4.50 |
| GPP105 | 1/4" female - 1/4" female | $4.50 |
| GRA101 | RCA female - RCA female | $3.50 |
| GXX145 | XLR female - XLR female | $16.00 |
| GXX144 | XLR male - XLR male | $13.00 |
| GXF132 | RCA female - XLR female | $14.00 |
| GXM133 | RCA female - XLR male | $13.00 |
| GXJ235 | 1/4" female - XLR female | $14.00 |
| GXJ183 | 1/4" female - XLR male | $14.25 |
| GXX195 | XLR female - XLR male phase reversed | $13.00 |
| GLT255 | XLR female - XLR male ground lifted | $13.00 |

Voice: 800.426.8434 • Fax: 800.231.7055
Website: www.bswusa.com • E-mail: sales@bswusa.com
**169**
Non-inventory item subject to return restrictions.

## CONNECTORS/PUNCH BLOCK

### Connectors/Punch Block

Don't forget the connectors! BSW has the connectors you need to finish any job. Listed below are common types as well as standard punch block. If you don't see what you're looking for, just ask.

| | | | |
|---|---|---|---|
| SWITCHCRAFT A3F | XLR female | Mfr. List | $4.55/ea. |
| 5WITCHCRAFT A3M | XLR male | Mfr. List | $2.65/ea. |
| SWITCHCRAFT 280 | 1/4" mono phone male | Mfr. List | $4.05/ea. |
| SWITCHCRAFT 190 | 1/4" TRS male | Mfr. List | $6.95/ea. |
| SWITCHCRAFT 780 | 1/8" mini male | Mfr. List | $4.96/ea. |
| NEUTRIK NC3FX | XLR female | Mfr. List | $4.34/ea. |
| NEUTRIK NC3MX | XLR male | Mfr. List | $4.08/ea. |
| 66B350 | standard punch block | Mfr. List | $24.00 |
| BCLIP | bridge clips | Mfr. List | 4¢ ea. |

**Call For BSW Prices**

## CONNECTRONICS
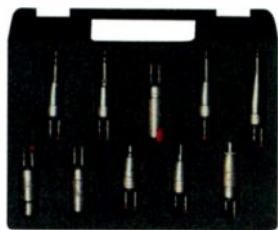
### BODGE PLUGS - Emergency Audio Connectors

No tool kit is complete without a set of Bodge Plugs. Each plug has either two or three color-coded, spring loaded, quick connect terminals. By pushing the end of the terminal a slot is opened to receive and hold securely a bare wire or test probe. 45 different adapter cables can be quickly made in the field without the need of soldering.

| | | |
|---|---|---|
| BODGEFAM | Mfr. List  $314.29 | **Call For BSW Price** |

## CONNECTWORKS

### YC40 - Unidapt Universal Adapter Kit

The YC40 allows you to mix and match any male or female adapter 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  $150.80** |

## ART

### SNAKE - Wire And Cable Cover

This unique product makes an excellent covering for bundles of wire or cables. When your wires are tucked inside the Snakeskin they become a single audio "snake" cable that is easy to manage, providing a sleek, clean appearance. The wraparound design provides 100% coverage that holds wires snugly in place. Wires can be covered with or without ends attached and can be branched out at any point along the snake. Since Snakeskin is expandable, you can add wires to your bundle at any time. Choose 1/2" or 1" styles for your particular application.

| | | | |
|---|---|---|---|
| SKIN058B | 1/2" Snakeskin, 8' section | Mfr. List $16.00 | Call For BSW Price |
| SKIN108B | 1" Snakeskin 8' section | Mfr. List $20.00 | Call For BSW Price |

## HOSA

### WTI SERIES - Wire Ties

Keep wires and cables organized with Hosa ties. WTI-148G is a velcro reusable tie for mic cables and the WTI-173 is a 10" heavy-duty permanent wire tie.

| | | | |
|---|---|---|---|
| WTI148G | pack of 5 velcro ties | Mfr. List $5.50 | Call For BSW Price |
| WTI173 | pack of 20 cinch ties | Mfr. List $6.00 | Call For BSW Price |

### WHD410

Dress up multiple cable run. This 1" black flexible tubing is slit longitudinally to allow cables to enter or exit anywhere along its length. 10' lengths can be cut easily.

| | | |
|---|---|---|
| WHD410 | Mfr. List $18.00 | Call For BSW Price |

## PANDUIT

### Wiring Duct

Width: 2 inches, height: 2 inches, length: 6 feet. Includes cover.

| | | |
|---|---|---|
| WIRING DUCT | Mfr. List $53.95 | Call For B5W Price |

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 |
|-----|---------|-------------|--------|-----------|
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Prices confirmed by BSW Sales Representative_____

Date_____

**SUBTOTAL**_____

**Please indicate desired method of shipping:**

_____UPS Surface_____Federal Express Economy (2 day)

_____Federal Express Overnight_____Other (specify)_____

****SHIPPING/HANDLING**_____

**TOTAL**_____

**Please indicate method of payment:**

_____Visa_____MasterCard_____Discover Card_____American Express_____Money Order_____Company Check

_____Personal Check_____Open Account/Net 30*

Credit Card Acct Number_____

Expiration Date_____

Name Imprinted on Card_____

Card Billing Address_____

_____

City_____State_____Zip_____

*Net 30 day billing offered to accounts on approved credit. (See pages 172 and 174 for credit application) **Shipping charges are based on actual shipping weights; please call for price quote if paying in advance. Shipping charges will be added to credit card if provided. All prices are subject to verification and change. A BSW representative will phone you for complete confirmation prior to shipping product. Personal checks gladly accepted, subject to Tele-Check approval. All returns are subject to approval. Please call for a return authorization number. In some cases a restocking charge may apply.*

# Credit Application

**BSW**
*BROADCAST SUPPLY WORLDWIDE*

7012 27th Street West
Tacoma, Washington 98466

| | |
|---|---|
| Toll-Free Phone | (800) 426-8434 |
| Toll-Free Fax | (800) 231-7055 |
| Worldwide Phone | (253) 565-2301 |
| Worldwide Fax | (253) 565-8114 |
| Website | http://www.bswusa.com |

## Applicant/Lessee (Important: list name of legal entity)

| Legal Name and Trade Name | | | Date |
|---|---|---|---|

| 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/Call Letters | # of Years In Business | Type of Business (Circle One) |
|---|---|---|
| | | Proprietorship  Partnership  Corporation  Government |

## Parent Company

| Name | Corp. Bookkeeper | Telephone # |
|---|---|---|

| Address | City, State | Zip Code |
|---|---|---|

| Owner's Name | Address | Phone |
|---|---|---|

## Bank References

| Name of Bank/Branch | Telephone # | Acct. # (checking) |
|---|---|---|
| Account Manager | Fax # | Acct. # (savings/money market) |
| Name of Bank/Branch | Telephone # | Acct. # (checking) |
| Account Manager | Fax # | Acct. # (savings/money market) |

## Trade References

| Company Name | City, State | Telephone # / Fax # | Account # |
|---|---|---|---|
| Company Name | City, State | Telephone # / Fax # | Account # |
| Company Name | City, State | Telephone # / Fax # | Account # |

Conditions of Sale:

1. All invoices from Broadcast Supply Worldwide will be paid within Net 30 days unless otherwise stated on your invoice.
2. Any discrepancies in billing or problems with defective or damaged equipment must be reported within 48 hours of receipt.
3. All shipments are F.O.B. point of origin unless stated otherwise on your invoice.
4. A finance charge of 18% per year or 1.5% per month will be charged on any unpaid balance that exceeds terms stated on your invoice.
5. All collection agency or attorney fees will be paid by the buyer.
6. Suitability of products for intended use is the sole responsibility of the customer.

_____
Corporate Officer's Signature *

_____
Print Name and Title                                        Date

*An authorized signature by a corporate officer constitutes an agreement with Broadcast Supply Worldwide to comply with all the terms stated for condition of sale on an open account credit basis. It also grants permission to verify information on this agreement.

Voice: 800.426.8434  •  Fax: 800.231.7055
Website: www.bswusa.com  •  E-mail: sales@bswusa.com

**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 |
|-----|---------|-------------|--------|-----------|
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|     |         |             |        |           |
|     |         |             |        |           |

Prices confirmed by BSW Sales Representative_____
Date_____

**SUBTOTAL**_____

**Please indicate desired method of shipping:**
____UPS Surface____Federal Express Economy (2 day)
____Federal Express Overnight____Other (specify)_____

**\*\*SHIPPING/HANDLING**_____

**TOTAL**_____

**Please indicate method of payment:**
____Visa____MasterCard____Discover Card____American Express____Money Order____Company Check
____Personal Check____Open Account/Net 30*

Credit Card Acct Number_____
Expiration Date_____
Name Imprinted on Card_____

Card Billing Address_____
_____
City_____State_____Zip_____

*\*Net 30 day billing offered to accounts on approved credit. (See pages 172 and 174 for credit application) \*\*Shipping charges are based on actual shipping weights; please call for price quote if paying in advance. Shipping charges will be added to credit card if provided. All prices are subject to verification and change. A BSW representative will phone you for complete confirmation prior to shipping product. Personal checks gladly accepted, subject to Tele-Check approval. All returns are subject to approval. Please call for a return authorization number. In some cases a restocking charge may apply.*

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## Applicant/Lessee (Important: list name of legal entity)

| Legal Name and Trade Name | | Date |
|---|---|---|
| | | |
| | | |

| Contact Person | Title | | Telephone # |
|---|---|---|---|
| General Manager | President | | Fax # |

| Nature of Business/Call Letters | # of Years In Business | Type of Business (Circle One) |
|---|---|---|
| | | Proprietorship    Partnership    Corporation    Government |

## Parent Company

| Name | Corp. Bookkeeper | Telephone # |
|---|---|---|
| | | |

| Owner's Name | Address | Phone |
|---|---|---|

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| Name of Bank/Branch | Telephone # | Acct. # (checking) |
|---|---|---|
| Account Manager | Fax # | Acct. # (savings/money market) |
| Name of Bank/Branch | Telephone # | Acct. # (checking) |
| Account Manager | Fax # | Acct. # (savings/money market) |

## Trade References

| Company Name | City, State | Telephone #<br>Fax # | Account # |
|---|---|---|---|
| Company Name | City, State | Telephone #<br>Fax # | Account # |
| Company Name | City, State | Telephone #<br>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.
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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.

# Index By Product

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