Audio Equipment for Broadcasters

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BSW extends the warranty on a number of Advantage Partner products. See inside cover for details.

NEW!
Pro audio for television and video applications
See pages 124-126

BSW Stocks Recording Media
Analog or digital, we have top brand recording media in stock at low prices!
See page 43

Digital Recording!
16 pages dedicated to leading digital recording technology
See pages 38-52

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See inside cover for details!

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For over 27 years, audio professionals worldwide have come to depend on BSW for all their audio needs.

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We represent over 200 manufacturers and sell thousands of items. This 128-page catalog is a representation of the most popular products from each manufacturer. If you do not see the products you seek, just ask.

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HURRY! Prices Expire March 31, 2001

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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. However, at our discretion some products will be shipped directly from the manufacturer. We offer a variety of shipping options and carriers to save you money and time. Shipping charges, plus a minimal handling fee will be additional, so please call for price quotes if paying in advance. BSW ships F.O.B. Point of Origin unless other arrangements are made and approved in advance.

BSW Return Guidelines
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### Distribution Amplifiers

#### APHEX

**120A**

The 120A is a high-performance 1x4 audio distribution amp. 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 < 0.002% @ +4 dBm; hum and noise better than 90 dB down.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Offered Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>120A</td>
<td>1x4 distribution amp</td>
<td>$319.00</td>
<td>ONLY $252.00</td>
</tr>
<tr>
<td>44008BSA</td>
<td>rack kit for Aphex 120A</td>
<td>$30.00</td>
<td>ONLY $25.00</td>
</tr>
</tbody>
</table>

#### ATI

**ENCORE DA SERIES**

These rack mount ATI distribution amps come in four models, depending on the configuration you desire. 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; inputs can be paralleled on rear connectors for 1x8, 2x8 or 1x16 operation; barrier block input and output connectors.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Offered Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA206</td>
<td>dual 1x3 distribution amp with XLR I/O</td>
<td>$479.00</td>
<td>ONLY $444.00</td>
</tr>
<tr>
<td>DA208</td>
<td>dual 1x4 distribution amp with barrier I/O</td>
<td>$539.00</td>
<td>ONLY $361.00</td>
</tr>
<tr>
<td>DA412</td>
<td>quad 1x3 distribution amp with XLR I/O</td>
<td>$679.00</td>
<td>ONLY $629.00</td>
</tr>
<tr>
<td>DA416</td>
<td>quad 1x4 distribution amp with barrier I/O</td>
<td>$569.00</td>
<td>ONLY $527.00</td>
</tr>
</tbody>
</table>

#### AUDIOARTS

**SDA8400**

The Audioarts 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Offered Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDA8400</td>
<td>1x8 distribution amp</td>
<td>$524.00</td>
<td>ONLY $451.00</td>
</tr>
</tbody>
</table>

#### ESE

**ES246/ES217**

ES246 is a rack mount, quad 1x6 DA with the choice of barrier strip or 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. The barrier strip model is 1RU high. The XLR model is 1RU high. The ES217 is a 1x4 DA housed in a free-standing chassis. Choose from barrier strip or XLR connections.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Offered Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>ES217</em></td>
<td>1x6 distribution amp with barrier I/O</td>
<td>$195.00</td>
<td>ONLY $188.00</td>
</tr>
<tr>
<td><em>ES217XLR</em></td>
<td>1x6 distribution amp with XLR I/O</td>
<td>$230.00</td>
<td>ONLY $308.00</td>
</tr>
<tr>
<td><em>ES246</em></td>
<td>1x6 distribution amp with barrier I/O</td>
<td>$395.00</td>
<td>ONLY $380.00</td>
</tr>
<tr>
<td><em>ES246XLR</em></td>
<td>1x6 distribution amp with XLR I/O</td>
<td>$465.00</td>
<td>ONLY $669.00</td>
</tr>
</tbody>
</table>

#### RADIX

**DA1600**

The Radix DA1600 is a heavy-duty distribution amp with 8 stereo or 16 mono balanced outputs. Front panel level control and selectable pads accommodate a wide range of input levels. Features: removable, plug-in connectors that allow wiring changes to be made quickly and effortlessly with the distribution amp still in the rack; THD < 0.01% max @ +20 dBm out, SNR 90 dB.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Offered Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA1600</td>
<td>2x8 or 1x16 distribution amp</td>
<td>$520.00</td>
<td>ONLY $399.00</td>
</tr>
</tbody>
</table>

#### RDL

**RU SERIES**

These rugged distribution amplifiers can be mounted up to three across. All units require a PS24A power supply (sold separately; see page 3). RU-DA104 Features: dual 1x4 amplifier; 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<th>Offered Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUDA4</td>
<td>dual 1x4 distribution amp with barrier I/O</td>
<td>$231.00</td>
<td>ONLY $193.00</td>
</tr>
<tr>
<td>RUDA4A</td>
<td>dual 1x4 distribution amp with RCA I/O</td>
<td>$163.00</td>
<td>ONLY $132.00</td>
</tr>
<tr>
<td>RU-UDA4</td>
<td>dual 1x4 distribution amp with RCA I/O</td>
<td>$230.00</td>
<td>ONLY $186.00</td>
</tr>
<tr>
<td>RU-UDA3</td>
<td>3-unit rack adaptor</td>
<td>$30.00</td>
<td>ONLY $25.00</td>
</tr>
</tbody>
</table>

*Non-inventory item subject to return restrictions.*
RDL
ST-DA3

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. The ST-DA3 is a 1x3 mono distribution amplifier. Requires 24-volt power supply (PS24A sold separately).

STDA3
1x3 distribution amp
Mfr. List $130.00
ONLY $106.00

PS24A
power supply for RDL Stick-On™ series
Mfr. List $18.00
ONLY $15.00

See page 61 for other Stick-On Series interfaces.

ROLLS
RA63

Looking for a cost-effective, rack mount, 1x6 mono DA? Try the Rolls RA63 for excellent performance. Features: independent front panel screw level adjustment for all 6 outputs; balanced 100 k ohm input; balanced 20 ohm output; screw barrier type I/O connectors; THD and IMD (SMpte) are <.008%.

RA63
1x6 distribution amp
Mfr. List $188.00
ONLY $162.00

SHURE
FP16A

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. It's 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
1x6 portable distribution amp
Mfr. List $857.90
ONLY $494.00

CROWN
MACRO-TECH/MICRO-TECH SERIES

Powerful power amps from Crown are a staple in the music performance industry. Macro-Tech models feature very low distortion with extremely high dynamic range; patented Output Device Emulation Protection circuitry compensating for overheating and overloads; Input/Output Comparator circuitry immediately alerts of any distortion exceeding .05% providing dynamic proof of distortion-free performance; front panel level controls; stereo, bridged mono and parallel mono modes; balanced XLR and 1/4" TRS inputs; binding post output connectors.

The more economical Micro-Tech models offers powerful performance without some of the extras found in the Macro-Tech. They include rear panel level controls and 1/4" TRS inputs.

*MA602
220 watts/channel into 8 ohms power amp
Mfr. List $1,532.00
ONLY $1,185.00

*MA2402
520 watts/channel into 8 ohms power amp
Mfr. List $2,299.00
ONLY $1,777.00

*M1200
320 watts/channel into 8 ohms power amp
Mfr. List $1,383.00
ONLY $1,018.00

*MT1200
320 watts/channel into 8 ohms power amp
Mfr. List $1,383.00
ONLY $1,018.00

*MT2400
520 watts/channel into 8 ohms power amp
Mfr. List $1,793.00
ONLY $1,319.00

For Speakers
See Pages 92-99

* Non-inventory item subject to return restrictions.
**Power Amplifiers**

### Top Seller

**HAFLER**

**P SERIES**

Hafler manufactures some of the finest amps for powering your studio monitors. The single-rack space P1000 is an excellent choice for powering smaller speakers. It offers 50 watts/channel at 8 ohms, soft start power-up, silent convection cooling; clip and thermal Indicator lights; and a headphone jack. Inputs use XLR/1/4" combination connectors. The dual-rack space P1500 and P3000 power amps offer higher outputs (75 watts and 150 watts), MOSFET output stages; overload indicator lights and 5-way binding post output connectors.

- **P1000**: 50 watts/channel into 8 ohms power amp
  - Mfr. List $599.00
  - ONLY $392.00
- **P1500**: 75 watts/channel into 8 ohms power amp
  - Mfr. List $599.00
  - ONLY $412.00
- **P3000**: 150 watts/channel into 8 ohms power amp
  - Mfr. List $779.00
  - ONLY $535.00

### CROWN

**D45/D75A**

These affordable Crown amplifiers are excellent for all kinds of studio monitors. Features: front panel level controls; power and distortion indicators; active balanced inputs with XLR/1/4" combination connectors; barrier strip outputs; <.001% harmonic distortion at full power.

- **D45**: 25 watts/channel into 8 ohms power amp
  - Mfr. List $487.00
  - ONLY $359.00
- **D75A**: 40 watts/channel into 8 ohms power amp
  - Mfr. List $641.00
  - ONLY $472.00

**K SERIES**

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

- **K1**: 350 watts/channel into 8 ohms power amp
  - Mfr. List $1,532.00
  - ONLY $1,185.00
- **K2**: 475 watts/channel into 8 ohms power amp
  - Mfr. List $1,840.00
  - ONLY $1,422.00

**MACKIE**

**M800/M1400**

The M800 and M1400 deliver excellent audio quality, reliability under extreme conditions and watts-per-dollar value! Features: front panel level controls; T-design cross-over network; constant gradient fan cooling; ultra-low impedance capability; built-in sweepable constant directivity horn compensation; built-in sweepable high-pass filter; flat response over a wide frequency range (+0/-3 dB from 10 Hz to 70 kHz); low distortion (M1400i THD is only .012% at 8 ohms; M800 is only .025%); XLR thru, 1/4" IRS and 5-way binding post outputs.

- **M800**: 140 watts/channel into 8 ohms power amp
  - Mfr. List $549.00
  - ONLY $449.00
- **M1400i**: 300 watts/channel into 8 ohms power amp
  - Mfr. List $699.00
  - ONLY $599.00

**QSC**

**RMX SERIES**

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

- **RMX850**: 200 watts/channel into 8 ohms power amp
  - Mfr. List $549.00
  - ONLY $399.00
- **RMX1450**: 280 watts/channel into 8 ohms power amp
  - Mfr. List $649.00
  - ONLY $499.00
- **RMX2450**: 475 watts/channel into 8 ohms power amp
  - Mfr. List $899.00
  - ONLY $699.00

**PLX SERIES**

The PLX series power amps feature studio-quality audio performance including virtually inaudible hum and noise (~110 dB 20 Hz-20 kHz) and ultra-low distortion performance (0.3% THD at rated power into 8 ohms). Features: PowerWave supply delivers tight high output power; 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/channel into 8 ohms power amp
  - Mfr. List $585.00
  - ONLY $599.99
- **PLX1602**: 300 watts/channel into 8 ohms power amp
  - Mfr. List $1,198.00
  - ONLY $699.99
- **PLX2402**: 425 watts/channel into 8 ohms power amp
  - Mfr. List $1,498.00
  - ONLY $899.99
- **PLX3202**: 550 watts/channel into 8 ohms power amp
  - Mfr. List $1,798.00
  - ONLY $999.99
- **PLX3402**: 700 watts/channel into 8 ohms power amp
  - Mfr. List $2,098.00
  - ONLY $1,199.99

**RDL**

**ST-IC1**

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. The ST-IC1 is an intercom amplifier. It offers 1 watt into 8 ohms. Requires 24-volt power supply (PS24A sold separately).

- **STIC1**: intercom amplifier
  - Mfr. List $124.00
  - ONLY $99.00
- **PS24A**: power supply for RDL Stick-On series
  - Mfr. List $18.00
  - ONLY $15.00

See page 60 for other Stick-On Series interfaces.

**TASCAM**

**PA20MKII**

The PA20MKII amp delivers 25 watts/channel at 8 ohms at an affordable price. You get the quality you expect from Tascam with continuously variable gain control, protection/clip indicators and front panel headphone monitor output. Inputs are balanced XLR and unbalanced RCA. Speaker wires connect via push clips.

- **PA20MKII**: 25 watts/channel into 8 ohms power amp
  - Mfr. List $250.00
  - ONLY $199.00
**ATI BGD SERIES**

Remote, shared power supplies let you mount these bright 3-color meters directly under video monitors or critical audio circuits with no possibility of magnetic interference. Economically display up to 12 audio channels in a single rack space. Multiple color, 10-segment displays are visible even in bright sunlight. VU models display -20 to +3 dBu, ROUND 0 VU; PPM models cover -15 to +12 dB. **Features:**

- High impedance non-loading inputs accommodate balanced or unbalanced input signals.
- Two-piece, quick release screw plug connector per input.
- Optional power supply and rack adaptors available.

**Models and Pricing**

- **BGD200VU** - dual VU bargraph meter
  - Mfr. List $369.00
  - **ONLY** $342.00
- **BGD200PPM** - dual PPM bargraph meter
  - Mfr. List $369.00
  - **ONLY** $342.00
- **BGD200PHASE** - dual VU bargraph meter w/phase
  - Mfr. List $399.00
  - **ONLY** $370.00
- **BGD400-VU** - quad VU bargraph meter
  - Mfr. List $459.00
  - **ONLY** $425.00
- **BGD400PPM** - quad PPM bargraph meter
  - Mfr. List $459.00
  - **ONLY** $425.00
- **BGD200PPMPHASE** - dual PPM bargraph meter with phase
  - Mfr. List $399.00
  - **ONLY** $370.00
- **BGD400VPHASE** - quad VU bargraph meter w/phase
  - Mfr. List $499.00
  - **ONLY** $470.00
- **WA100-1** - wall mount power supply
  - Mfr. List $15.00
  - **ONLY** $14.00

**DORROUGH 40-A2/240A2**

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 and Pricing**

- **40A2** - horizontal, single channel loudness monitor
  - Mfr. List $475.00
  - **ONLY** $453.00
- **240A2** - vertical, single channel loudness monitor
  - Mfr. List $475.00
  - **ONLY** $453.00

**DORROUGH 280-D**

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. Compiles with SMPTE 155 requirements.

**Model and Pricing**

- **280D AES/EBU meter**
  - Mfr. List $850.00
  - **ONLY** $810.00

**LOGITEK VUB SERIES**

Logitek lighted mechanical meters have balanced, bridging, high impedance XLR input and rear panel zero adjustment control. Available in 2 or 4 display models, these meters are easy to install, are highly reliable and offer a phase checking button for each pair of meters. The "A" version has dB shown as the top scale of the meter. The "B" version has modulation shown as the top scale of the meter.

**Models and Pricing**

- **2VUB-A** - 2 VU audio level display, "A" scale
  - Mfr. List $525.00
  - **ONLY** $469.00
- **2VUB-B** - 2 VU audio level display, "B" scale
  - Mfr. List $525.00
  - **ONLY** $469.00
- **4VUB-A** - 4 VU audio level display, "A" scale
  - Mfr. List $790.00
  - **ONLY** $706.00
- **4VUB-B** - 4 VU audio level display, "B" scale
  - Mfr. List $790.00
  - **ONLY** $706.00

**LOGITEK BV2S SERIES**

See the audio signal and be alerted to silence on any of up to 6 stations using the Logitek Bright Series 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 indicated by "A" or "D" suffix. XLR connectors.

**Models and Pricing**

- **BV2SA OR BV2SD** - 2-input audio meter/silence alarm
  - Mfr. List $610.00
  - **ONLY** $545.00
- **BV4SA OR BV4SD** - 4-input audio meter/silence alarm
  - Mfr. List $895.00
  - **ONLY** $800.00
- **BV6SA OR BV6SD** - 6-input audio meter/silence alarm
  - Mfr. List $1,145.00
  - **ONLY** $1,023.00

**RDL RU-SM16**

The RU-SM16 offers precise audio level metering. **Features:**

- 16 segment display for 2 audio channels; selectable peak or average metering; peak L+R/L-R metering; 1/3 rack width; rack options available. Requires PS24A power supply.

**Model and Pricing**

- **RUSM16** - dual channel audio meter
  - Mfr. List $219.00
  - **ONLY** $178.00

**WOHLER LM106-6/LM53-24**

It's easy to verify audio on multiple channels with these ultra high resolution, tri-color, LED bargraph analog level meters. The LM106-6 offers metering of 6 channels, each with 106-segment ladders mounted horizontally in 1U rack chassis.

**Model and Pricing**

- **LM106-6** - 6-channel bargraph display unit
  - Mfr. List $2,200.00
  - **ONLY** $1,988.00
- **LM5324** - 24-channel bargraph display unit
  - Mfr. List $4,250.00
  - **ONLY** $3,841.00
### APHEX

**2020 SERIES**

The 2020 FM Pro is Aphex' world-class digitally controlled FM processor with the full detail and clarity of precision analog audio. 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

**Easy Rider compression and Peak Accelerated Compression algorithm**

* Bass processor with bass clipper, warm bass EQ, sub bass EQ and total bass mix control
* 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 pre-emphasis limiter

2020WITH03 combines 2020 processor with 2020-3 generator/pre-emphasis limiter.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY $</th>
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<tr>
<td>2020-1</td>
<td>AES/EBU digital I/O</td>
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<td>477.00</td>
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<td>2020-2</td>
<td>pre-emphasis limiter</td>
<td>$500.00</td>
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<td>2020-3</td>
<td>stereo generator and pre-emphasis limiter</td>
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<tr>
<td>2020WITH03</td>
<td>processor w/ stereo generator/pre-emphasis limiter</td>
<td>$6,995.00</td>
<td>6,662.00</td>
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</tbody>
</table>

### CRL

**MILLENNIUM**

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

* The Millennium includes a true digital stereo multiplex generator, AGC, five-band compressor and a multi-band limiter
* Remote control software that makes adjustments fast and easy
* 100% floating point digital signal processing
* 256 kHz final limiter sample rate
* It accepts analog and AES/EBU digital signals (wired or optical)

The AES/EBU rate adaptive digital interface (32 kHz/44.1 kHz/48 kHz) is included at no additional cost. Hardware limiter sample rate; it accepts analog and AES/EBU digital signals (wired or optical). It adjusts fast and easy; 100% floating point digital signal processing; 256 kHz final limiter sample rate; it accepts analog and AES/EBU digital signals (wired or optical). It can even accept both at the same time and mix them in the digital domain. Hardware and software upgrades are included for the first year at no charge. The AES/EBU rate adaptive digital interface (32 kHz/44.1 kHz/48 kHz) is included at no additional cost.

**3-year warranty.** The unit is available in an array of loud colors as well as black.

The Millennium is based on a 32-bit floating point DSP processor. It has a straightforward touch screen and graphical user interface that allows you to create your own unique sound identity - setting your station apart from the crowd.

**CRL**

**TVS3003**

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

**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

**Easy Rider compression and Peak Accelerated Compression algorithm**

* Bass processor with bass clipper, warm bass EQ, sub bass EQ and total bass mix control
* 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 pre-emphasis limiter

2020WITH03 combines 2020 processor with 2020-3 generator/pre-emphasis limiter.

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<td>$6,995.00</td>
<td>6,662.00</td>
</tr>
</tbody>
</table>

**CRL**

**AMIGO SERIES**

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

* Dual-band AGC followed by a variable pre-emphasis multiband limiter and a digitally synthesized stereo generator
* Balanced barrier strip audio input and AUX output; BNC composite output

**Amigo AM Features:**

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

**AMIGOAM**

**AMIGOFM**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
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</table>

**INOVONICS**

**235**

The Inovonics 235 triband AM broadcast audio processor is available in various versions with different audio bandwidths. **Features:**

* Fully NRSC-compliant and AMAX-certified; slow gain-rating, gated-AGC erases long-term input level variations; 3-band compressor/equalizer optimizes program spectral density; peak controller has adjustable clipping depth to maximize carrier modulation; RS-232 allows full remote control.

<table>
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</table>

**INOVONICS**

**222**

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.

<table>
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<tr>
<th>Model</th>
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<td>NRSC update box</td>
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**INOVONICS**

**708**

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.

<table>
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<td>1,369.00</td>
</tr>
</tbody>
</table>

* Non-inventory item subject to return restrictions.
MILLION DOLLAR SOUND FOR UNDER $4,000*

INOVONICS
DAVID II

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

71600
FM audio processor/stereo generator
Mfr. List 52,000.00
ONLY $1,790.00

MODULATION SCIENCES
SCA186 SIDEKICK

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

*SCA186
SCA generator
Mfr. Lst 53,335.00
ONLY $3,466.00

OMNIA
OMNIA-6FM

Omnia-6fm is simply the most powerful digital audio processor available. Features: 96-kHz sampling and 24-bit resolution; five bands of AGC and six bands of limiting; a fully adjustable crossover network; remote control via modem, RS-232 or TCP/IP; "Split Channel" processing mode that lets left and right channels operate as independent processors; built-in Omnia SPACE-EF stereo enhancement; virtually unlimited preset storage using standard PCMCIA cards (up to 30 presets per card); plus lots more. Omnia-6fm is DAB ready and ITU BS-412 compliant.

OMNIA-6FM
FM audio processor
Mfr. Lic $10,500.00
ONLY $9,265.00

* Non-inventory item subject to return restrictions.
OMNIA

OMNIA

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

- Software configured processing on a plug-in PC card with user adjustable wideband AGC; Thunder Boost EQ for cleaner, more powerful low end; four-band AGC; four-band dynamic peak limiter; non-aliasing final limiter that exceeds the smoothness of a well-designed analog limiter; selectable composite clipper; factory presets for various formats, plus user presets; daypart automation; front panel headphone jack; external control via local serial RS-232 or modem; balanced XLR analog I/O; AES/EBU digital I/O; SCA/RDS subcarrier input; two independent composite outputs. Options: new OMNIA plug-in PC Card modules provide algorithms to further tailor the power of the OMNIA platform; for crank-it-up-to-eleven loudness, choose the Hot model; for stations with more traditional formats like classical or jazz, choose the clean sound of the Veris. The new Space-EFX algorithms improve the stereo soundfield without creating unnatural imaging or increasing multipath.

OMNIA FM audio processor Mfr. List $9,860.00
ONLY $6,381.00

*OMNIAFMHOT FM loudness audio processor Mfr. List $12,760.00
ONLY $10,846.00

*OMNIAFMVERIS FM purity audio processor Mfr. List $12,760.00
ONLY $10,846.00

*OMNIAFMSPACE FM stereo soundfield processor Mfr. List $11,560.00
ONLY $9,826.00

OMNIA

OMNIA3

OMNIA 3 is the all-digital audio processor that offers the clarity, punch and power of the original OMNIA, at an amazingly affordable price. There's one to suit every need (FM, AM or the Internet) and each OMNIA 3 includes standard features not found elsewhere - like 48 kHz sampling, multi-band processing, digital audio I/Os, integrated composite clipper and a removable PC card for software changes.

OMNIA3 3M offers unrivaled levels of positive modulation with a smooth, FM-like quality plus adjustable filtering for NRSC and narrow band broadcast requirements throughout the world. Stereo or mono processing. OMNIA net provides spectral and loudness consistency to webcasts. It optimizes audio processing for a wide range of bit rates and audio bandwidths; it also conditions audio processing for multimedia listening environments.

OMNIA3 FM audio processor Mfr. List $3,580.00
ONLY $3,043.00

OMNIA3AM AM audio processor Mfr. List $3,580.00
ONLY $3,043.00

*OMNIA3NET web audio processor Mfr. List $3,580.00
ONLY $3,043.00

ORBAN

OPTIMOD 8400

Loaded with Motorola’s latest DSP chips, the Optimod 8400 comes equipped with more than five times the raw processing power of its predecessor. This vastly augmented digital horsepower enabled Orban engineers to implement sophisticated new processing algorithms (seven years in the making) that extend virtually all performance parameters. The 8400 retains many proven OPTIMOD-FM 8200 features, such as the five-band and two-band processing structures, but with it’s supercharged processing power, there is a clearly audible improvement, namely a noticeably louder and brighter signal, with the smoothness and pristine clarity needed to hold listeners for extended periods.

8400 FM audio processor Mfr. List $10,700.00
ONLY $9,500.00

ORBAN

OPTIMOD-FM 2200

If your station doesn’t think it can afford to go digital, take another look. Orban and BSW have cut the cost of digital processing to the bone. You get the same loud, clear OPTIMOD sound, but in a downsized box. The OPTIMOD-FM 2200 gives you the key features you'll find in high-end processors, including all-digital processing and a digital stereo encoder/generator in a 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 to protect against peak overmodulation; non-volatile memory; built-in tone generator; input/output and gain reduction LED meters; balanced analog XLR I/O and two BNC composite outputs. Options: 2200D processor with digital AES/EBU I/O.

2200 FM audio processor Mfr. List $3,950.00
ONLY $3,500.00

2200D FM audio processor with digital I/O Mfr. List $4,250.00
ONLY $3,800.00

ORBAN

OPTIMOD DAB 6200

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

6200 DAB processor Mfr. List $7,900.00
ONLY $5,289.00

Extended Warranties

When you see this logo on an Advantage Partner product in our catalog, it comes with up to twice the manufacturer's warranty. An exclusive advantage only from BSW!
It's been a quarter of a century since Orban OPTIMOD audio processors were born. So you may wonder—What have we done for you lately? Glad you asked. Our answer is "plenty."

Orban carries on its tradition of leading-edge, innovative technology, responsive customer service, and of course, crystal-clear sound. It's no accident that we have more than 20 on-air digital processing patents.

Our stable of professionally engineered OPTIMODs are synonymous with world-class sound. And with reliability, consistency and listenability.

Now our legacy of top-quality audio processors rests in the next generation of digital products designed to grab and hold listeners.

OPTIMOD-FM 8400: The Smarter Processing Approach.

OPTIMOD-FM 2200: Big Sound. Little Price.


OPTIMOD 6200S: Webcasting with the OPTIMOD Sound.

OPTIMOD-AM 9200: Day or Night—The Peak of Perfection.

Combining Technology and Innovation with Tradition.
**ORBAN OPTIMOD 8200**

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. BD200/PC Software (included with purchase of BD200) 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. The 8200D/32 digital interface card allows 32 kHz AES/EBU inputs and outputs. The 8200D/SRC digital interface card can accept inputs of 32, 44.1 or 48 kHz AES/EBU and convert for output of 32, 44.1 or 48 kHz AES/EBU.

- **8200U35** FM digital audio processor  
  Mfr. List $6,250.00  
  ONLY $5,748.00
- **8200D32** digital I/O card for Orban 8200U35  
  Mfr. List $3,000.00  
  ONLY $267.00
- **8200DSRC** digital I/O card w/sample rate conversion  
  Mfr. List $5,700.00  
  ONLY $623.00

**ORBAN OPTIMOD 8200ST/U**

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

- **8200ST** studio chassis for Orban 8200U35  
  Mfr. List $1,400.00  
  ONLY $1,245.00

**ORBAN OPTIMOD 9200**

This true digital AM processor includes presets for HF applications. **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. The 9200UD adds digital I/O.

- **9200U** AM mono digital audio processor w/ analog I/O  
  Mfr. List $4,250.00  
  ONLY $3,778.00
- **9200UD** AM mono digital audio processor w/ digital I/O  
  Mfr. List $4,650.00  
  ONLY $4,134.00

**ORBAN OPTIMOD 9100B2**

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

- **9100B2** AM stereo audio processor  
  Mfr. List $6,650.00  
  ONLY $5,912.00

**ORBAN OPTIMOD 8218**

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

- **8218U** FM stereo encoder/generator  
  Mfr. List $1,973.00  
  ONLY $1,756.00

**Special Application**

**RAINE AVA22D**

The Rane AVA 22d is a fully balanced two input, two output audio/video alignment delay providing a range of 0.0 to 9.5 NTSC or PAL/SECAM frames on each output. Each output has two non-volatile memories, A and B, for easy access to previously stored delay values. Remote recall screw terminals on the rear accept external configuration switches, permitting independent remote recall of memories. 24-bit audio converters provide excellent sound quality. The AVA 22d features XLR I/Os. It can operate as two independent channels (dual mono), or as a stereo pair. It's also a unity gain device with sensitivity controls to provide proper internal levels for the audio converters.

- **AVA22D** audio/video alignment delay  
  Mfr. List $5899.00  
  ONLY $679.00

**SYMETRIX 610**

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; balanced XLR I/O.

- **610** broadcast audio delay  
  Mfr. List $2,695.00  
  ONLY $2,291.00

**PRIME IMAGE CASH**

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

- **CASH** audio delay/time compressor  
  Mfr. List $12,000.00  
  ONLY $11,112.00

* Non-inventory item subject to return restrictions.
ALESIS

3630

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

NANOCOMRESSOR

Nanocompressor™ is an incredibly affordable yet sonically powerful solution for full-featured stereo compression. Its small size and low price belie the fact that it offers pro features like complete compression controls, RMS and peak signal detection, hard and soft knee curves and a sidechain input, making it a great compression device.

BEHRINGER

ULTRAMIZER PRO DSP1400P

The ULTRAMIZER PRO DSP1400P's digital multiband concept works with a selectable cutoff frequency, allowing separate low and high end processing in unparalleled quality. Extensive LED meters keep you constantly in the picture as to exactly how much punch you're delivering. Features include: digital multiband loudness maximizer with 24-bit high-power DSP; fully automatic compression of program material; intelligent digital limiter for total protection; integrated noise reduction system; multiband enhancer with separately adjustable "Super Bass" and exciter; integrated ULTRAMIZER function for consistently high output level; internal 24-bit processing with professional 46 kHz sampling rate, 20-bit A/D and D/A converters with 64/128 times oversampling for enormous headroom; 50 user memory locations for instant storage and selection of personal favorites; extensive MIDI implementation; servo-balanced inputs and outputs with XLR and 1/4" TRS connectors.

3630 2-channel compressor/limiter

Mfr. List $199.00  ONLY $93.00

NANOCOMPRESSOR single-channel compressor

Mfr. List $199.00  ONLY $93.00

ART PRO VLA/DUAL LEVELAR

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

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

*212PROVLA dual-channel leveling amplifier

Mfr. List $679.00  ONLY $539.00

*256 dual-channel tube compressor

Mfr. List $369.00  ONLY $295.00

BEHRINGER

AUTOCOM PRO MDX1400

The affordable AUTOCOM PRO MDX1400 compressor/limiter/expander combines the advantages of hard knee and soft knee compression in a single dynamic processing function for natural, transparent results. It is designed primarily as an easy-to-use automatic compression tool, but it also offers sufficient manual controls. Features: interactive stereo dynamic processor with link function; high-pass filter in the side chain; separate IRC, expander/gate circuits; integrated dynamic enhancer; IKA (Interactive Knee Adaptation) function; fully automatic or manually adjustable attack and release times; IRC circuitry with adjustable ratio allows expansion/gating with no side effects; selectable dual mono or stereo mode; precise 12-segment displays for input/output levels and gain reduction; selectable operating level (+4 dBu or -10 dBV); servo-balanced inputs and outputs; XLR and 1/4" TRS connectors.

MDX1400 2-channel compressor/limiter/expander

Mfr. List $199.00  ONLY $149.00

DBX

160A

The 160A is an improved version of the famous DBX 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 single-channel compressor/limiter

Mfr. List $389.00  ONLY $199.00

* Non-inventory item subject to return restrictions.
**Compressors/Dynamics**

**DBX**

**266XL**

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.

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<th>Feature</th>
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**DBX**

**1066**

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 easy to read and operate; sidechain input for docking and frequency dependent limiting; balanced inputs and outputs with XLR and 1/4" connectors.

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<tr>
<th>Model</th>
<th>Feature</th>
<th>Price</th>
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<tbody>
<tr>
<td>1066</td>
<td>2-channel compressor/limiter</td>
<td>ONLY $449.00</td>
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<th>Model</th>
<th>Feature</th>
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<td></td>
<td>Mfr. List $550.00</td>
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**DBX**

**DDP**

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

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<th>Model</th>
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<tr>
<td><em>DDP</em></td>
<td>digital dynamics processor</td>
<td>ONLY $499.00</td>
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<th>Model</th>
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<td>Mfr. List $600.00</td>
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**DBX**

**QUANTUM**

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

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<tr>
<th>Model</th>
<th>Feature</th>
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<tbody>
<tr>
<td><em>QUANTUM</em></td>
<td>digital mastering processor</td>
<td>ONLY $1,639.00</td>
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<th>Model</th>
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<td>Mfr. List $1,999.00</td>
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**DBX**

**166XL**

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

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<tr>
<th>Model</th>
<th>Feature</th>
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<tbody>
<tr>
<td>166XL</td>
<td>dual compressor/limiter/expander/gate</td>
<td>ONLY $279.00</td>
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<th>Model</th>
<th>Feature</th>
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<td></td>
<td>Mfr. List $330.00</td>
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**JOE MEEK**

**VC2**

The Tube Channel VC2 is a 2U 19-inch rack unit with a mono microphone preamp, a compressor and the famous Joe Meek enhancer. The tube is in the compression amplifier and produces rich warm sounds for engineers who record world class instruments and voices. All controls needed in the most demanding recording situations are included: phase reverse switching, a 20 dB pad, switchable high-pass filter, line insert, impedance change switch, and many more. Order today.

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<tr>
<th>Model</th>
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<tbody>
<tr>
<td>VC2</td>
<td>single-channel tube compressor/mic preamp</td>
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<tr>
<td>VC2</td>
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**PRESONUS**

**ACP88**

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

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<th>Model</th>
<th>Feature</th>
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<tr>
<td><em>ACP88</em></td>
<td>8-channel compressor/limiter/gate</td>
<td>ONLY $899.95</td>
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<td>Mfr. List $1,199.95</td>
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**PRESONUS**

**ACP-22**

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/-60 dB); internal power supply; balanced XLR and unbalanced 1/4" I/Os.

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<th>Model</th>
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<tr>
<td><em>ACP22</em></td>
<td>2-channel compressor/limiter</td>
<td>ONLY $299.95</td>
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<td>Mfr. List $399.95</td>
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**JOE MEEK**

**VC3Q/VC6Q**

Famous for capturing that "vintage" sound lacking in so many of today's processing pieces, Joe Meek mic preamps offer vast amounts of headroom and add warmth and thickness to your sound. These high-quality preamps are a staple in the recording industry but also make superb front-ends for broadcasters. Both models feature a 5-stage FET circuitry and photo-optical compressor for the highest sonic quality.

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<td>VC3Q</td>
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<td>VC6Q</td>
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**JOE MEEK**

**STUDIO CHANNEL VC-1Q**

It's best to think of the Studio Channel VC-1Q as six separate pieces of equipment. The 2U 19"-inch rack unit includes a mono transformer design microphone preamp, compressor, an instrument preamp, enhancer, de-esser and a full channel of the Joemeek Meeequalizer'EQ': In addition, the VC1Q offers a 24-bit 96 kHz digital S/PDIF output. For digital operation, all you need is the optional VC1QD card that plugs into the back of the VC-1Q.

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**JOE MEEK**

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**CONCLUSION**

For Mic Preamps

See Pages 78-79

Non-inventory item subject to return restrictions.
**Compressors/Dynamic**

**PRESONUS BLU MAX**

Presonus BLU MAX is a smart stereo compressor/limiter with 15 studio presets; 3 vocal presets; 8 instrument settings, 2 classic stereo settings and 2 special effects. Besides the studio presets, its manual mode gives you full control over compression parameters including variable input/output, attack/release times and ratio from 1:1 to 20:1. Features: onboard metering shows input/output levels & gain reduction; sidechain input; stereo/mono operation; 44.1 - 48 kHz stereo operating levels; internal power supply; unbalanced 1/4" I/Os.

BLU MAX  single channel compressor/limiter

Mfr. List $199.95

**ONLY $152.00**

**RANE DC24**

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 dBm; gain reduction LED metering; remote bypass port; balanced or unbalanced I/O via XLR and TRS connectors.

DC24  2-channel compressor/limiter/gate

Mfr. List $599.00

**ONLY $452.00**

**SYMETRIX 301**

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

301  single-channel compressor/limiter

Mfr. List $249.00

**ONLY $212.00**

**SYMETRIX 565E**

The 565E is an extremely flexible, low distortion, high performance multi-dynamics processor. Features: two channels (each with simultaneous downward expander, compressor and peak limiter). Dynamic Squeezed circuitry reduces distortion during gain reduction for better-sounding compression; dual mono or stereo operation; individual LED meters for each processing section and output; balanced XLR and unbalanced 1/4" inputs and outputs.

565E  2-channel compressor/limiter

Mfr. List $399.00

**ONLY $340.00**

**SYMETRIX 422**

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. Features: target level control for easy setup; parallel input and output LED ladder metering; remote bypass port; balanced or unbalanced I/O via XLR and TRS connectors.

422  2-channel audio leveler/limiter

Mfr. List $619.00

**ONLY $527.00**

**APHEX 104**

The 104 is the Aural Exciter in a affordable package. It combines two processing types to allow the user to enhance both ends of the spectrum. The Aural Exciter portion utilizes the same psychoacoustic principles of the professional Type III to increase presence and clarity with enhanced stereo imaging and virtually no added noise. Big Bottom™ is the revolutionary bass enhancer that provides more powerful bass dramatically increases bass presence, density and loudness without vastly increasing peak amplitude or generating sub harmonics. Features: +4 or -10 dB operation; unbalanced 1/4" I/O.

104  aural exciter with RCA I/O

Mfr. List $299.00

**ONLY $200.00**

**SYMETRIX 565**

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. Features: target level control for easy setup; parallel input and output LED ladder metering; remote bypass port; balanced or unbalanced I/O via XLR and TRS connectors.

422  2-channel audio leveler/limiter

Mfr. List $619.00

**ONLY $527.00**

**APHEX 250**

Aural Exciter 250 is the patented audio processor for broadcast and professional audio applications. Its spectral phase refraction (SPR) function corrects the bass delay anomaly inherent in the recording process to restore clarity and openness, and significantly increases the apparent bass energy level without adding amplitude equalization or "bass boost." This SPR circuitry combined with Aphex's Adjustable Harmonics Mixing, the 250 provides an easy, yet flexible way to restore the punch lost in the recording process and through on-air processing. Noise and distortion are virtually eliminated in the 250's revised Type III circuitry. Features: two modes of noise reduction actually erases noise; RF filtered power; I/O levels from -10 to +8 dBm; balanced XLR I/O.

250  aural exciter with XLR I/O

Mfr. List $995.00

**ONLY $811.00**

**ART 416 DMV-PRO**

The 416 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, flute, pitch-shift, tremolo, pan, delay and more; fully programmable with 100 user processors; MIDI controllable; 4 balanced 1/4" inputs and outputs.

416  dual stereo effects processor

Mfr. List $525.00

**ONLY $419.00**

* Non-inventory item subject to return restrictions.
Effects

**BEHRINGER**

**VIRTUALIZER DSP1000P**

The VIRTUALIZER DSP1000P uses a high-power 24-bit DSP with two separate "engines" to process entirely different effects for the left and right channels. You can, for example, use it as a chorus on one channel and a reverb on the other - with individual routing. All parameters can be edited via the jog wheel and stored in user programs. Choose from 32 high-performance algorithms for chorus, flanger, delay, reverb and more (customizable to create 700 variations). **Features:** 24-bit internal processing; 20-bit A/D-D/A converters with 64/128-times oversampling; 100 memory settings; balanced analog XLR and 1/4" TRS connectors.

DSP1000P  dual multi-effects processor

Mfr. List $179.00  ONLY $149.00

**BEHRINGER**

**MODULIZER PRO DSP1200P**

With the MODULIZER PRO DSP1200P you have enough power to explore entirely new frontiers. Ear-opening modulation effects like 8-voice chorus and spatial flanging put tons of unique and trendy stuff at your fingertips. From 3D effects to jet-stream flanger and resonator - you'll re-discover the fun of effect creation. Features include: outstanding multi-effects processor with unique and trendy algorithms; 20-bit A/D and D/A converters with 64/128-times oversampling; true stereo processing allows separation of left and right channels; 100 user presets; 24 breathtaking effects such as Ultra Phaser, Auto Filter, Ambience, Compressor, Super Bass, Vintage, 3D-Processor and more; internal 24-bit processing, professional 48-kHz sampling rate; balanced XLR and 1/4" TRS connectors.

DSP1200P  multi-effects processor

Mfr. List $179.00  ONLY $149.00

**DIGITECH**

**S100/S200**

The S100's dual engine configuration can operate as two individual effects processors or as a single stereo processor. The high-quality effects range from pristine reverbs and delays to rich choruses, flangers and phasers to hard-to-find effects like vocoder and ring modulators. **Features:** 26 different effect types (99 user and 99 factory presets); S3 effect routing configurations; MIDI selectable programs; 24-bit internal signal path; 20-bit A/D and D/A conversion; 96 dB S/N ratio; unbalanced 1/4" inputs and balanced 1/4" outputs. $200 adds a graphical display and preview function for easy program creation and immediate feedback.

S100  multi-effects processor

Mfr. List $220.00  ONLY $179.95

S200  multi-effects processor

Mfr. List $340.00  ONLY $279.95

**LEXICON**

**MPX-500/MPX-100**

The MPX100 and MPX500 stereo processors offer 24-bit internal processing at an affordable price (MPX100 with 20-bit A/D-D/A; MPX500 with 24-bit A/D-D/A). Each has 240 presets with classic, true stereo reverb programs such as ambience, plate, chamber and inverse as well as tremolo, rotary, chorus, flange, pitch, detune, delay and echo. Dual-channel processing allows control of completely independent effects on the left and right channels. The more advanced MPX500 adds a graphical display for greater control and much more. **Features:** combine reverb with echo, delay 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 converters; balanced XLR and unbalanced 1/4" I/O.

MPX100  stereo effects processor

Mfr. List $299.00  ONLY $262.00

MPX500  24-bit stereo effects processor

Mfr. List $599.00  ONLY $525.00

**ROLAND**

**VT-1**

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

VT-1  voice transformer

Mfr. List $395.00  ONLY $300.00

**YAMAHA**

**PROR3**

The PROR3 excels with superior reverb sounds, but also offers much more. **Features:** combine reverb with echo, chorus, symphonic, flange, pitch, auto-pan effects and more; 99 presets; 99 user memory locations; parametric EQ with dedicated controls; gating; 32-bit processing with 20-bit A/D and D/A converters; balanced XLR and unbalanced 1/4" I/O.

PROR3  digital reverberation processor

Mfr. List $1,299.00  ONLY $1,036.00

*Non-inventory items subject to return restrictions.*
**YAMAHA**

**REV500/REV100**

The REV500 is Yamaha's breakthrough in price/performance processing with 32-bit processing and 20-bit A/D-D/A converters. Features: 100 user presets and 100 user programs; exceptional reverbs, plus reverb with chorus, flanging, gate, dynamic filter and more; dedicated knobs for main parameter adjustment; built-in snare and rim-shot samples let you test programs; balanced XLR and unbalanced 1/4" TRS inputs and outputs; 1/4" TRS -15 dB boost/cut range; individual band bypass switches; peak LEDs; MIDI interface; critical parameters; 99 editable factory presets; input and output combinations; rotary controls for the three most important parameters, plus combinations; automatic feedback suppression and a manual mode for use as a highly selective parametric EQ (24 programmable filters). With servo-balanced I/O and an internal power supply in its 1 RU case, the DSP1100P is ready for any professional application requiring dynamic feedback control.

**REV100 effects processor**
Mfr. List $249.00  
**ONLY $240.00**

**REV500 effects processor**
Mfr. List $499.00  
**ONLY $405.00**

---

**YAMAHA**

**SPX990**

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

**SPX990 effects processor**
Mfr. List $1,179.00  
**ONLY $942.00**

---

**BEHRINGER**

**DSP1100P/DSP110**

This digital 2-channel feedback suppressor/parametric EQ is based on a high-power 24-bit DSP. It offers both automatic feedback suppression and a manual mode for use as a highly selective parametric EQ (24 programmable filters). With servo-balanced I/O and an internal power supply in its 1RU case, the DSP1100P is ready for any professional application requiring dynamic feedback control.

The DSP110 ultra-compact wonder machine combines an automatic, self-learning feedback suppressor, a super-variable delay line and a UNI microphone preamplifier with phantom power, an automatic noise gate, a compressor, and a variable low-cut filter - all in an extremely rugged casing. Features: 24-bit A/D and D/A converters; automatic noise gate with learn mode and manual adjustment; level conversion from line to mic level and vice versa; balanced XLR and 1/4" TRS connectors.

**DSP1100P feedback suppressor/parametric EQ**
Mfr. List $199.00  
**ONLY $169.00**

**DSP110 compact feedback suppressor**
Mfr. List $199.00  
**ONLY $169.00**

---

**RANE**

**ME SERIES**

The Rane ME15B is a 2 channel, 15-band 2/3 octave EQ in a single rack space unit. Features: a range switch for the 20mm faders allowing cut or boost of ±12 dB or ±24 dB; input and output level controls; balanced XLR or 1/4" TRS I/O.

**ME30B**  
A single channel unit with 30 bands (1/3 octave), Features: a range switch for the 20mm faders allowing cut or boost of ±12 dB or ±24 dB; input and output level controls; balanced XLR or 1/4" TRS I/O.

**ME60**

dual 30-band graphic equalizer  
Mfr. List $699.00  
**ONLY $527.00**

**ROLLS**

**REQ SERIES**

**REQ215**

This is a range switch for the 20mm faders allowing cut or boost of ±12 dB or ±24 dB; input and output level controls; balanced XLR or 1/4" TRS bands.

**REQ232**

dual 30-band graphic equalizer  
Mfr. List $350.00  
**ONLY $215.00**

**SYMETRIX**

**550 SERIES**

**551E**

This mono parametric 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 0.05 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 5-band parametric EQ for stereo applications.

**551E 5-band parametric equalizer**
Mfr. List $489.00  
**ONLY $382.00**

**552E dual 5-band parametric equalizer**
Mfr. List $749.00  
**ONLY $637.00**

---

**ALEXIS**

**MEQ230**

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 ±12 dB boost or cut per band; power up delay circuitry protects speakers from damage; balanced I/O via 1/4" and RCA jacks.

**MEQ230 dual 30-band graphic equalizer**
Mfr. List $299.00  
**ONLY $231.00**

---

**RANE**

**PE17**

This 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 0.05 to .03 octaves, ±12/15 dB boost/cut range; individual band bypass switches; balanced XLR and 1/4" TRS inputs and outputs, 1/4" TRS patch insert jack.

**PE17 5-band parametric equalizer**
Mfr. List $549.00  
**ONLY $414.00**
**Equalizers**

**SYMETRIX**  
**530 SERIES**  
The 530 Series graphic equalizers are a high-quality, value driven alternative to other affordable equalizers. Proprietary topology delivers extremely low noise and distortion. **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 60 mm faders.  
The 532E is a dual 31-band unit with 20 mm faders.  
The 533E is a dual 31-band unit with 40 mm faders in a 3 RU chassis.

**Mic/Voice Processors**

**DBX**  
**286A**  
Here's an inexpensive way to get really great sounding vocals with the dbx 286A. **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.

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

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

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

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

**SYMETRIX**  
**528E**  
The Symetrix 528E is an industry standard analog voice processor with 5 major functions in a single-rack-space unit. **Features**: microphone preamp with a switchable 15 dB pad; front panel mic/line level switch; 48-volt phantom power; voice symmetry switch (phase rotator) that corrects for excessive positive or negative signal peaks; de-essing with frequency and range controls; compression/limiting with downward expansion; 3-band parametric equalization. Balanced XLR mic and line level inputs; balanced XLR and unbalanced 1/4" outputs; 1/4" in and out patchpoints on each section.
**Cart Machines and Bulk Erasers**

**FIDELIPAC**  
**CTR10 SERIES**

Fidelipac cart machines offer 4 choices: mono play, stereo play, mono record/play and stereo record/play. Features: automatic fast forward may be activated at the beginning or end of the secondary cue tone or entered manually from any other mode; three cue tones standard; secondary and tertiary tones may be manually recorded at any time to initiate external functions, fast forward and mute audio; high speed cueing; 1 kHz defeat with dedicated front panel indicator (recorder); selectable front panel metering for audio, phase and cue tones (recorder); balanced I/O via 9-pin D connectors (plugs supplied).

---

**AUDIOLAB**  
**TDS/TD1B**

The TDS is designed to erase all audio, video and computer media. It works with all formats of cassettes and tape reels up to 16' in diameter and 2' in width. Switchable intermittent or continuous duty operation. The TD1B erases cassettes, cartridges and up to 10 1/2" reels.

**TD11** tabletop bulk eraser  
Mfr. List $1,695.00  ONLY $1,517.00

**TD18** handheld bulk eraser  
Mfr. List $145.00  ONLY $117.00

---

**Cassette Machines**

**AUDIOLAB**  
**TD5/TD1B**

The TD5 is designed to erase all audio, video and computer media. It works with all formats of cassettes and tape reels up to 16" in diameter and 2" in width. Switchable intermittent or continuous duty operation. The TD1B erases cassettes, cartridges and up to 10 1/2" reels.

---

**DENON**  
**DN790R/DN72OR**

Denon's top-of-the-line rack mount cassette deck, the DN-790R features the Dolby S noise reduction system, 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, Reverse, Stop, Pause and REC/REC Mute; balanced XLR and RCA inputs and outputs.

The DN72OR is a lower cost alternative to Denon's balanced output cassette decks. Long head life, speed control and bias fine adjustment are a few of the tools included for demanding professionals. Features: 2 long-life amorphous tape stable tape transport; real-time counter; wired remote control; headphone output; 19" rack mount brackets; unbalanced RCA I/O.

---

**LPB**  
**400**

The 400 provides over 2000 Gauss of erasure power. It will efficiently erase cartridges, cassettes and up to 1" wide open reel tape.

**tabletop bulk eraser**  
Mfr. List $225.00  ONLY $201.00

---

**GENEVA**  
**PF211**

The PF211 generates 2300 Gauss field intensity and is perfect for erasing cassettes, carts and 1/2" wide open reel tapes.

**handheld bulk eraser**  
Mfr. List $90.00  ONLY $77.00

---

**Non-inventory item subject to return restrictions.**

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**DENON**  
**CN770R**

This extremely flexible dual output deck gives you the added functionality of continuous recording and playback independent, simultaneous playback from both wells; record while playing back; 3-hour continuous recording; up to 7.5 hours continuous playback; optical sensing auto reverse for nearly seamless instantaneous reversing; high/low speed dubbing; ±12% speed control on each deck; each deck features an amorphous record/play head for longer life and better high frequency response; auto standby mode pauses the cassette just past its leader avoiding dropouts during play recordings; accurate music search; ultra-stable tape transport; real-time counter; wired remote control; 19" rack mount brackets; unbalanced RCA I/O.
**MARANTZ**

**PMD PORTABLE SERIES**

Marantz makes popular portable cassette recorders used in broadcast, with five models to choose from to match your application. 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. **Features:** built-in speaker; electret condenser mic; normal or 1/2 speed operation; ±20% pitch control on playback; external mic input; variable-speed; 3-position mic attenuation; line input and output jacks; cue and review control; automatic or manual record level.

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. It does not include a VU meter, the RJ11 output jack, or adjustable mic level (utilizes built-in AGC). An AC adaptor must be ordered separately with the PMD101 (DA36). The PMD430 is a quality stereo recorder similar to the 200 series models.

**PMD101**
- 2-head, 2-speed mono portable cassette recorder
- Mfr. List $279.00
- **ONLY $242.00**

**PMD201**
- 2-head mono portable cassette recorder
- Mfr. List $399.00
- **ONLY $323.00**

**PMD221**
- 3-head mono portable cassette recorder
- Mfr. List $479.00
- **ONLY $387.00**

**PMD222**
- 3-head mono portable cassette recorder with XLR mic input
- Mfr. List $519.00
- **ONLY $419.00**

**PMD430**
- 3-head, stereo portable cassette recorder
- Mfr. List $699.00
- **ONLY $565.00**

**CLC221**
- protective case for Marantz PMD200 Series
- Mfr. List $40.00
- **ONLY $29.00**

**DA36**
- 120-volt AC adapter for Marantz PMD101
- Mfr. List $13.00
- **ONLY $10.00**

**KE820**
- nylon carry bag fits Marantz PMD200 Series
- Mfr. List $25.00
- **ONLY $21.00**

---

**MARANTZ**

**PMD500 SERIES**

The Marantz PMD520 is a top-of-the-line, 3-head, independent dual well cassette recorder. Designed with the real-time duplicator in mind, the PMD520 offers cascade play/record capability allowing multiple units to be linked together for long playback and recording applications. **Features:** fine speed adjust; auto bias; loop through outputs; high speed (2X) recording; overlap series recording; one-touch record pause; timer activated record/play; record mute; record balance control; Dolby B, C and HX Pro noise reduction; 25 pin D-sub remote control port; Marantz RCS remote control port; unbalanced RCA I/O. Options: wired remote control (WRC200MKII); balanced XLR kit (XLR510PMD).

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

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

The PMD500 offers the same basic features as the PMD510 but both cassette wells share transport controls, inputs/outputs and metering.

**PMD520**
- 3-head dual independent well cassette deck
- Mfr. List $199.00
- **ONLY $843.00**

**PMD511**
- 2-head dual cassette recorder
- Mfr. List $749.00
- **ONLY $632.00**

**PMD510**
- 2-head dual independent well cassette deck
- Mfr. List $729.00
- **ONLY $615.00**

**PMD500**
- 2-head, dual cassette deck
- Mfr. List $499.00
- **ONLY $421.00**

**XLR510PMD**
- balanced XLR I/O kit for Marantz PMD500 Series
- Mfr. List $199.00
- **ONLY $168.00**

**WRC200MKII**
- remote control for Marantz PMD500 Series
- Mfr. List $189.00
- **ONLY $187.00**

---

**PANASONIC**

**RQL50**

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

**RQL50**
- portable cassette recorder
- Mfr. List $65.00
- **ONLY $59.00**
TASCAM

122MKII/112MKII

The high-end 122MKII is a 3-head deck with uncompromised electronics and a precision FG-servo direct-drive capstan motor for stable performance. Features: audible cue and review; ±12% pitch control; real-time tape counter; two locate points and RTZ function; flexible monitor selector; Dolby HX Pro, B & C noise reduction; 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.

The 112MKII is a classic no-nonsense workhorse deck similar to the 122MKII, 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 (LA112).

The 112MKII is a basic, 3-head auto reverse deck similar to the 122MKII. LA112 is the balanced XLR I/O kit for the 112MKII series cassette recorders.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>122MKII</td>
<td>3-head dual cassette deck</td>
<td>$1,499.00</td>
<td>$1,124.00</td>
</tr>
<tr>
<td>112MKII</td>
<td>2-head dual cassette deck</td>
<td>$920.00</td>
<td>$690.00</td>
</tr>
<tr>
<td>112RMKII</td>
<td>2-head dual cassette deck</td>
<td>$1,245.00</td>
<td>$934.00</td>
</tr>
<tr>
<td>LA112</td>
<td>balanced XLR I/O kit for Tascam 112MKII Series</td>
<td>$110.00</td>
<td>$82.00</td>
</tr>
</tbody>
</table>

TASCAM

302/202MKIII/102MKII

The Tascam 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 inputs and outputs/transport controls for each deck; dual LED metering; control I/O and cascade outputs allow linking up to 10 additional decks; 2 tape heads per deck; independent pitch control, Dolby B and C noise reduction and Dolby HX Pro frequency extension; 2 memory locations with RTZ function; unbalanced RCA Inputs and outputs; optional balanced XLR I/O kit (LA112). The 112MKII is a classic no-frills workhorse deck similar to the 122MKII, 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 (LA112). The 102MKII is a low-cost, rack mount single 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>302</td>
<td>2-head dual independent-well cassette deck</td>
<td>$799.00</td>
<td>$599.00</td>
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<tr>
<td>202MKIII</td>
<td>2-head dual cassette deck</td>
<td>$599.00</td>
<td>$449.00</td>
</tr>
<tr>
<td>102MKII</td>
<td>2-head single cassette deck</td>
<td>$399.00</td>
<td>$300.00</td>
</tr>
</tbody>
</table>

BSW

CASSETTE MEDIA

BSW carries high-quality cassettes tapes in two grades.

Call today to order the quantity you need.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP10</td>
<td>high-bias, music-grade 10 min. cassette</td>
</tr>
<tr>
<td>CP20</td>
<td>high-bias, music-grade 20 min. cassette</td>
</tr>
<tr>
<td>CP60</td>
<td>high-bias, music-grade 60 min. cassette</td>
</tr>
<tr>
<td>CP90</td>
<td>high-bias, music-grade 90 min. cassette</td>
</tr>
<tr>
<td>VC10</td>
<td>voice-grade 10 min. cassette</td>
</tr>
<tr>
<td>VC20</td>
<td>voice-grade 20 min. cassette</td>
</tr>
<tr>
<td>VC60</td>
<td>voice-grade 60 min. cassette</td>
</tr>
<tr>
<td>VC90</td>
<td>voice-grade 90 min. cassette</td>
</tr>
</tbody>
</table>
**Cassette/CD Players**

**DENON**

**DNT620**

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

<table>
<thead>
<tr>
<th>Mfr. List ($649.00)</th>
<th>ONLY $499.00</th>
</tr>
</thead>
</table>

**MARANTZ**

**PMD350**

Two independent machines housed in a single chassis make the PMD350 extremely convenient to use. **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 (WRC200MKII) and balanced XLR kit (XLR350PMD).

<table>
<thead>
<tr>
<th>Mfr. List ($749.00)</th>
<th>ONLY $632.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mfr. List ($189.00)</td>
<td>ONLY $187.00</td>
</tr>
<tr>
<td>Mfr. List ($189.00)</td>
<td>ONLY $160.00</td>
</tr>
</tbody>
</table>

**TASCAM**

**CD-A700/AD-500**

Tascam's CD-A700 lets you to treat CD and cassette as separate machines with independent outputs, or take advantage of integration with enhanced dubbing and extended play capabilities. **Features:** CD player/reversible cassette deck in a 3-space rack design; separate pitch controls; CD to cassette dubbing capability; continuous play function; CD Sync function; wireless remote control; balanced XLR and unbalanced RCA outputs dedicated to the CD player; common outputs on both balanced XLR and unbalanced RCA. **TEAC AD-500** is a more affordable combination deck with unbalanced RCA I/O. Rack mount hardware is not included for the AD-500.

<table>
<thead>
<tr>
<th>Mfr. List ($629.00)</th>
<th>ONLY $525.00</th>
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</thead>
<tbody>
<tr>
<td>Mfr. List ($389.00)</td>
<td>ONLY $276.00</td>
</tr>
</tbody>
</table>

**CD Players**

**DENON**

**DN951FA/DN961FA**

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

<table>
<thead>
<tr>
<th>Mfr. List ($1,500.00)</th>
<th>ONLY $1,299.99</th>
</tr>
</thead>
</table>

**DN961FA**

CD player - drawer loading

| Mfr. List ($1,500.00) | ONLY $1,299.99 |

**DENON**

**DN961FA**

CD player - drawer loading

| Mfr. List ($1,500.00) | ONLY $1,299.99 |

**DENON**

**DN2600F**

For club work, this dual player offers the convenience of dual drives with the feel of spinning discs. **Features:** two Hot Starts per drive; two A-B seamless loops per drive; Digi-Scratch – real time scratching that emulates vinyl; 3-on-board effects; filter-reverb-flanger (per drive); Next Track reserve; auto/manual – seamless track change on the fly; 10 seconds of shock proof memory (per drive); plays CD-R's; rotary track selector knob; independent control over pitch and speed of playback (change beat speed and maintain original pitch); definable looping; memory allows custom setting of pitch, cue point, looping for up to 200 tracks; sampling with reverse mode; brake function simulates the sound of an analog turntable; Index search function; unbalanced outputs.

| Mfr. List ($1,599.00) | ONLY $1,299.99 |

**DENON**

**DN680/DN-C630**

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

| Mfr. List ($1,500.00) | ONLY $1,299.99 |

**DENON**

**DN680**

CD player

| Mfr. List ($899.00) | ONLY $774.99 |

**DENON**

**DN630**

CD player

| Mfr. List ($899.00) | ONLY $649.99 |

**DENON**

**DN600F**

For club work, this dual player offers the convenience of dual drives with the feel of spinning discs. **Features:** two Hot Starts per drive; two A-B seamless loops per drive; Digi-Scratch – real time scratching that emulates vinyl; 3-on-board effects; filter-reverb-flanger (per drive); Next Track reserve; auto/manual – seamless track change on the fly; 10 seconds of shock proof memory (per drive); plays CD-R's; rotary track selector knob; independent control over pitch and speed of playback (change beat speed and maintain original pitch); definable looping; memory allows custom setting of pitch, cue point, looping for up to 200 tracks; sampling with reverse mode; brake function simulates the sound of an analog turntable; Index search function; unbalanced outputs.

| Mfr. List ($1,599.00) | ONLY $1,168.00 |

* Non-inventory item subject to return restrictions.
Even among professional CD recorders, the Sony CDR-W33 and CDR-W66 stand apart. Three DSP functions fine-tune your sources.* There's a limiter with adjustable ratio. A 3-band EQ. And Super Bit Mapping® circuitry that captures near 20-bit quality on industry-standard 16-bit compact discs. Conveniences include wired or wireless remote operation and even a PC keyboard input for CD TEXT™ entry. Sony's 24-bit A/D and D/A converters help maintain resolution.

The CDR-W33 uses standard unbalanced analog audio, SPDIF and optical digital I/O.

The CDR-W66 (not shown) adds balanced XLR analog and AES/EBU digital I/O plus 2X speed duplication with a second CDR-W66.

The Sony CDR-W33 and CDR-W66 deliver the design and operational capabilities that professional applications require. And you get every last bit of performance without spending your every last dime. To find out more, call BSW at 1-800-426-8434.

*Analog sources only on CDR-W33.
### CD Players

#### GEMINI

**CD110**
This CD player has a lot to offer broadcasters and DJs at a low price. You get instant start (0.02 seconds), cue to music, 3 different time displays and cool effects like reverse and forward stutter as well as repeat mode. The manual controls are excellent with frame accurate searching (1/75 second step), variable pitch control and pitch bend +/- 16%.

<table>
<thead>
<tr>
<th>CD110</th>
<th>CD player with pitch control</th>
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</thead>
<tbody>
<tr>
<td>Mfr. List $279.95</td>
<td>ONLY $180.00</td>
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</tbody>
</table>

#### MARANTZ

**PMD300 SERIES**
The PMD300 commercial-grade CD player delivers exceptional performance. Features: multi-function programmable cue button enables precise control of playback; 10-digit keypad for ensuring quick access of up to 99 tracks; A-B point audio loop playback; audible frame-by-frame search control; index searching; plays CD-RW discs recorded on CD-RW compatible recorders; pitch control; RC5 remote I/O; unbalanced RCA analog I/O; unbalanced S/PDIF digital coaxial output.

<table>
<thead>
<tr>
<th>PMD300</th>
<th>CD player</th>
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<tr>
<td>Mfr. List $429.00</td>
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</table>

<table>
<thead>
<tr>
<th>PMD331</th>
<th>CD player with XLR outputs</th>
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<tbody>
<tr>
<td>Mfr. List $529.00</td>
<td>ONLY $531.00</td>
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</table>

<table>
<thead>
<tr>
<th>PMD340</th>
<th>CD player with XLR outputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mfr. List $789.00</td>
<td>ONLY $666.00</td>
</tr>
</tbody>
</table>

#### SONY

**CDPX-E500**

On a tight budget? Need a CD player? This Sony player should get the job done with jog dial track search, three play and two repeat modes, 3-mode music scan and headphone jack. Features: 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 (RK7).

<table>
<thead>
<tr>
<th>CDPX-E500</th>
<th>CD player</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mfr. List $200.00</td>
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</table>

<table>
<thead>
<tr>
<th>RK7</th>
<th>rack kit for Sony CDPX-E500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mfr. List $43.00</td>
<td>ONLY $36.00</td>
</tr>
</tbody>
</table>

#### TASCAM

**CD-450**
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 control. Superb audio performance is guaranteed by high-density linear 20-bit D/A converters. Outputs are balanced XLR and unbalanced RCA, plus there are optical and coaxial digital outputs.

<table>
<thead>
<tr>
<th>CD-450</th>
<th>CD player</th>
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</thead>
<tbody>
<tr>
<td>Mfr. List $799.00</td>
<td>ONLY $649.00</td>
</tr>
</tbody>
</table>

#### TEAC

**CD-P1440/CD-P1120**

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

<table>
<thead>
<tr>
<th>CD-P1120</th>
<th>CD player</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mfr. List $180.00</td>
<td>ONLY $108.00</td>
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<table>
<thead>
<tr>
<th>CD-P1440</th>
<th>CD player - with auto cue</th>
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<tbody>
<tr>
<td>Mfr. List $219.00</td>
<td>ONLY $162.00</td>
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<table>
<thead>
<tr>
<th>CD-P1440RACK</th>
<th>rack mount kit for the TEAC CD-P1440</th>
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</thead>
<tbody>
<tr>
<td>Mfr. List $29.00</td>
<td>ONLY $21.00</td>
</tr>
</tbody>
</table>

#### TASCAM

**CD-150**
The TASCAM CD-150 CD player is a cost-effective, professional CD player for commercial applications. The emphasis is on straightforward specifications with solid engineering rather than bells and whistles. For clubs and fixed installation applications, the CD-150 provides essential pitch control. Auto cue and programmable playback features are useful for PA and radio installations. Features: ±6% pitch control; auto cue; wireless remote control; unbalanced analog RCA outputs.

<table>
<thead>
<tr>
<th>CD-150</th>
<th>CD player</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mfr. List $219.00</td>
<td>ONLY $259.00</td>
</tr>
</tbody>
</table>

* Non-inventory item subject to return restrictions.
Burn Baby Burn: CD Recording with TASCAM and BSW

Everyone needs to burn CDs, and the hottest CD recorders available today are from TASCAM. Whether you're making archive copies of 2-track masters or producing professional-quality mixes for record release, TASCAM has the CD burning solutions you need. They're all available from BSW, the industry's full-service broadcast supplier.

**CD-RW2000**
- The world's most advanced CD recorder
- XLR balanced and RCA unbalanced analog I/O
- AES/EBU, S/PDIF coax and optical digital I/O
- Word sync input and 15-pin parallel port

**CD-RW700**
- Professional, economical CD recording
- RCA unbalanced analog I/O
- S/PDIF coax and optical digital I/O

**CDR-Pro/CDR-Deluxe**
- Professional computer-based CD burning
- 8x write, 24x read TEAC CD-R drive (CDR-Pro)
- 6x write, 24x read TEAC CD-R drive (CDR-Deluxe)
- Burns Red Book and data CDs
- Includes software suite for CD recording and MP3 encoding

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TEAC America, Inc., 7733 Telegraph Road, Montebello, CA 90640
www.tascam.com

TASCAM
a whole world of recording
CD Recorders

ALEGIS
ML9600

The Alesis MasterLink ML-9600 offers a comprehensive mastering solution by combining a built-in 4.3 GB hard disk recorder, mastering tools and a CD burner in a single package. Now you can eliminate all those extra steps editing your playlists using a computer editor or DAT machine. Right now, we are overstocked in the warehouse. Call this month for our very lowest price on the ML-9600. Features: edit fades/in fade-out and cropping; record and play with up to 24-bit, 96 kHz resolution; multiple sample rates (44.1, 48, 88.2 and 96 kHz); 16 play lists each with up to 99 songs; DSP editing functions such as compression and peak limiting; balanced XLR and unbalanced RCA analog I/O; digital AES/EBU and S/PDIF I/O.

HHB
CDR850 SERIES/BURNIT

Exceptional sound quality and a comprehensive feature set make the HHB CDR850 CD recorder a popular choice for broadcast professionals. Not only is it compatible with both write-once CD-R media and the new generation of CD-RW rewritable discs, the CDR850 is extremely versatile with multiple recording modes and comprehensive audio connectivity. Features: easy-to-read LED display; 4 one-touch recording modes (2 manual, 2 auto); fade in/fade out; auto pause; switchable sample rate converter; copies all CD, DAT, MD, DVD and DCC track starts; complete user control over SCMS; level margin indicator, with 1 dB increments; 4 levels of erase for CD-RW; auto finalize function; infrared remote control; balanced XLR analog I/O (+4 dBu/-8 dBu switchable balanced XLR outputs); AES/EBU and S/PDIF digital I/O (coaxial and optical). The CDR850PLUS adds a Word Clock input, essential for playback when locking to a master clock source in an all digital system. In addition, it features a balanced XLR digital output which also carries track ID information. The CDR830 has a full complement of professional features, as you’d expect from HHB, without the high price. Advanced laser assembly delivers consistent, accurate recordings compatible with a wide range of CD players. Features: records on both standard CD-R and CD-RW discs; SCMS-free digital input; double speed CD finalization; analog audio inputs are balanced with RCA connectors; digital inputs/outputs are optical and coax.

MARANTZ
CDR500

The new CDR500 offers stand-alone recording from any analog or digital source while also being able to perform high speed (2x) duplication from the internal CD player. A dual playback mode is available that allows simultaneous playback of both the recording and playback drives to separate outputs. Features: track titles can be saved and edited in CD-TEXT format; memory buffer that prevents the beginning of tracks from getting cut off; menu selectable SCMS copy protection; digital and analog record level and balance control; balanced XLR and unbalanced RCA analog inputs; coaxial and optical digital inputs; unbalanced RCA analog and coaxial digital outputs including coaxial loop-out for connection to other digital equipment; remote control.

CDR500 CD recorder and duplicator
Mfr. List $849.00
ONLY $717.00

MARANTZ
CDR631

The super affordable CDR631’s full complement of digital and analog connections lets you record CDs from a variety of audio sources such as CDs, DATs or even a computer. Features: compatible with pro and consumer CD-R and CD-RW discs; track titles can be saved and edited in CD-TEXT format that can be read on CD-TEXT compatible CD players; memory buffer prevents the beginning of tracks from getting cut off; menu selectable SCMS copy protection; digital and analog record level and balance control; balanced XLR and unbalanced RCA analog inputs; AES/EBU (XLR), coaxial, and optical digital inputs; unbalanced RCA analog and coaxial digital outputs including coaxial loop-out for unprocessed connection to other digital equipment; IR remote control.

CDR631 CD recorder
Mfr. List $749.00
ONLY $632.00

MICROBOARDS
AUDIOWRITEPRO/COPYWRITER121

The AudioWritePro allows you to connect to any analog audio source, such as tape decks or live events via RCA connectors or to a computer via a SCSI II connection. Features: 8X write from computer; 1X write from audio source; stop, play, reverse, fast forward, record and finalize disc; 18-bit A/D converter. You can also order complete packages for Mac or PC (call for software titles). The Microboards CopyWriter 121 is perfect for any user requiring easy copying of audio, video, or data CDs. It features an external SCSI interface for direct connectivity to a PC or Macintosh as well as fast 12X recording speed! Order today.

AUDIOWRITEPRO CD Recorder
Mfr. List $499.00
ONLY $499.00
COPYWRITER121 12X CD duplicator with SCSI input
Mfr. List $995.00
ONLY $926.00

MICROBOARDS
STARTREC 400

The multidevice StartREC400 allows you to simultaneously create up to 4 custom audio CDs. Suited for a variety of applications ranging from studio recording and mastering to audio post and live recording, StartREC400 puts power and versatility at your fingertips (not to mention incredible time savings). If your production environment requires digital editing of audio tracks and short-run CD-R duplication, you want the StartREC400. Features: editing functions: move, divide, combine or delete audio tracks, add or drop any index or sub index and create track fade in or fade out; digital audio sources can be imported via S/PDIF or AES/EBU input; analog sources can be imported via XLR balanced or RCA line in with volume adjustment; 2X, 4X and 8X recording speeds; accurate input signal and time lapse metering; SCMS is supported regardless of the source disc copy protection status. Order today.

STARTREC 400 Multiple CD Recorder/Duplicator
Mfr. List $3,995.00
ONLY $3,462.00

CD MACHINES

Non-inventory items subject to return restrictions.
SONY

CDR-W33

The exciting new CDR-W33 is the first CDR-W Recorder from Sony for professional music applications. It features high-quality, 24-bit AD/DA converters, DSP functions and CD-TEXT support. It's an excellent choice for your project studio or radio production facility. Features include: Super Bit Mapping® recording (records 24-bit quality into 16-bit format); selectable DSP functions available on the analog inputs including: 3-band mid-parametric EQ and limiter; high-quality 24-bit AD/DA converters and a 32 kHz 48 kHz sampling rate converter; Control-S for supplied remote and P5/2 (for PC keyboard) allowing basic control and text entry; CD-TEXT support Disc/Track name can be displayed and entered with alphanumerical characters; 2X Finalize; fluorescent display; supplied wireless/wired remote control unit; digital and analog record level control; coaxial digital, optical digital and unbalanced analog phono jack out.

TASCAM

CDR DELUXE/CDRPRO

The CD-R Deluxe bundle combines CDR driver, powerful software, fast recording speed and ease-of-use at a low price. By including Mac and Windows software with a SCSI card, it offers the ability to record audio and data CDs and provide 24-bit/96 kHz capabilities with advanced real-time processing. Add to that CD authoring capabilities and QuickTime 4 players for advanced multimedia playback and you have a system ready for action. Also, download MP3 files and burn them directly to Red Book audio CDs with the PC software. Features include: 6x24 CD-R drive; SCSI card; SCSI cable; 2 blank CDRs; software: T-Works SparkLe, Adaptec Toast, QuickTime 4 (Mac and PC), SEK's Red Roaster Lite; Adaptec EZ CD Creator, MyNetMedia SonicBurn. For just a little more money, the CD-R Pro bundle features a 8x24 CD-R drive and additional software.

CDR80S

This HHB 79 minute 59 second CDR is 12X certified, with Phthalocyanine dye and silver reflective layer. It's optimized for professional audio applications.

CDR74GOLD

This Mitsu 74 minute CDR is 12X certified, with Phthalocyanine dye and gold reflective layer. Test results proved ideal performance in all types and speeds of CD-R readers and writers.

CDR74PA

This Taiyo Yuden 74 minute CDR is 16X certified, with Super Cyanin dye and silver reflective layer. It is compatible with virtually every consumer and pro audio CD player.

CDR-DELUXE/CDRPRO

5x24 CD recorder bundle for PC and Mac

MR. LIST $629.00

ONLY $499.00

CDR-DELUXE/CDRPRO

8x24 CD recorder bundle for PC and Mac

MR. LIST $749.00

ONLY $599.00

TASCAM

CDD4000MKII

This cost-effective compact disc duplicator from Tascam writes in 1x, 2x, 4x, 6x and 8x speeds from the master deck to the slave deck and meets the needs of any facility requiring a duplication system. Mode Select switch for writing at different speeds; test write mode to check the integrity of the duplication process at the selected speed before execution, audio playback; easy operation via two switches; headphone jack and volume control on each drive.

CDRW700 CD recorder

MR. LIST $749.00

ONLY $599.00

CDD4000MKII cd duplicator

MR. LIST $1,299.00

ONLY $999.00

CDR-DELUXE/CDRPRO

6x24 CD recorder bundle for PC and Mac

MR. LIST $629.00

ONLY $499.00

CDR-DELUXE/CDRPRO

8x24 CD recorder bundle for PC and Mac

MR. LIST $749.00

ONLY $599.00

MICROBOARDS

CDR74PA

74 min recordable CD, silver, 16X certified

ONLY $9.8

BSW

CDBOX

Standard size replacement for broken CD jewel cases.

CDBOX cd jewel box with tray

ONLY $1.42

DISC WASHER

FG1107

CD laser lens cleaner includes fluid and replacement pad.

FG1107 CD laser lens cleaner

ONLY $14.00

STEALTH FG1112

Rotary-action CD cleaner with fluid.

FG1112 rotary CD cleaner

ONLY $116.00

FG1163

Fluid, polish and applicators to remove scratches from your CDs.

FG1163 CD repair kit

ONLY $9.00

GENEVA

PF416

Spray for use with soft cleaning cloth.

1 oz. bottle.

PF416 CD cleaner

ONLY $7.00

PF425

Easy-to-use CD cleaning tissues in fluid.

70 per container.

PF425 CD cleaning wipes - 70 pack

ONLY $7.00

* Non-inventory item subject to return restrictions.
## AEQ
### BC300 SERIES
The BC300 series consoles are affordable, compact consoles 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 (both models): 23.7"W x 14"D x 6.9"H.

<table>
<thead>
<tr>
<th>Model</th>
<th>Feature</th>
<th>Mfr. List Price</th>
<th>Special Price</th>
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</thead>
<tbody>
<tr>
<td>BC306</td>
<td>6-channel audio console</td>
<td>$2,075.00</td>
<td>$1,946.00</td>
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<tr>
<td>BC312</td>
<td>12-channel audio console</td>
<td>$2,975.00</td>
<td>$2,790.00</td>
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## ARRAKIS
### 12,000 SERIES
The modular 12,000-series console features a "universal bus" design that allows any type of module to be placed in any position in the mainframe. Features: two inputs per channel; built-in time; extensive metering facilities; three stereo output types (program, audition and utility); two telephone mix-minus buses; Penny and Giles faders; gold board connectors; much more. Some of the optional modules available include: machine control; source/monitor selectors; D/A. The popular Arrakis 12K1812 is an 18-channel mainframe preconfigured with 2 mono mic modules, 10 stereo line modules, output module and monitor/talkback module. This console also has room for up to 6 additional modules so you can customize in the future. The 12K86 is an 8-channel mainframe loaded with 6 channels. The 12K1818 is the 18-channel mainframe fully loaded with 18 channels.

<table>
<thead>
<tr>
<th>Model</th>
<th>Feature</th>
<th>Mfr. List Price</th>
<th>Special Price</th>
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<tr>
<td>12K1812</td>
<td>12-channel modular audio console</td>
<td>$10,755.00</td>
<td>$9,700.00</td>
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<td>12K86</td>
<td>6-channel modular audio console</td>
<td>$3,450.00</td>
<td>$3,150.00</td>
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<td>12K1818</td>
<td>18-channel modular audio console</td>
<td>$10,800.00</td>
<td>$9,800.00</td>
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</table>

### REV12C/REV18X
Both analog and digital at the same time, the REVOLUTION is the amazing radio console at home in both analog and digital studios alike. With greater features, reliability and performance than a traditional console, the time has come for your station to go digital. The REVOLUTION's advanced, modular two-piece design is made up of a rack-mounted digital audio engine and a control console board. The digital engine can be located away from the console operator or even in a remote rack room, simplifying installation, wiring and service. The control console is also modular, making it quick and easy to replace worn faders or to expand the system. Features: 12 and 18 module mainframes; 3 stereo output buses and 2 telephone buses; full monitoring for control room and studio; both analog and digital operation; any PC computer can back up the console control system. The REV12C includes a digital engine plus a 12-channel control interface. The newer REV18X includes the digital engine plus a larger 18-channel control interface.

<table>
<thead>
<tr>
<th>Model</th>
<th>Feature</th>
<th>Mfr. List Price</th>
<th>Special Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>REV12C</td>
<td>digital engine w/ 12-channel controller</td>
<td>$7,955.00</td>
<td>$7,139.00</td>
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<tr>
<td>REV18X</td>
<td>digital engine w/ 18-channel controller</td>
<td>$8,995.00</td>
<td>$8,567.00</td>
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</tbody>
</table>

### REV12P
This 12-channel REVOLUTION digital console from Arrakis is a breakthrough in features, performance and price. The system's two-piece design is made up of a rack-mounted digital engine and your own PC computer for control. Features: full-featured, 12-channel console with analog and digital inputs on each channel, 3 stereo output buses and full monitoring for control room and studio; both analog and digital operation; any PC computer can back up the console control system. The REV12P is the amazing radio console at home in both analog and digital studios alike. The system's two-piece design is made up of a rack-mounted digital engine and your own PC computer for control. Features: full-featured, 12-channel console with analog and digital inputs on each channel, 3 stereo output buses and full monitoring for control room and studio; both analog and digital operation; any PC computer can back up the console control system.

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<tr>
<th>Model</th>
<th>Feature</th>
<th>Mfr. List Price</th>
<th>Special Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>REV12P</td>
<td>12-channel digital engine, PC control software</td>
<td>$3,995.00</td>
<td>$3,805.00</td>
</tr>
</tbody>
</table>

* Non-inventory item subject to return restrictions.
AUDIARTS

R17-10/R17-6

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. Options: conductive plastic faders and monitor pots; external rack mount power supply; top-rate documentation.

R17-10 10-channel audio console
Mfr. List $4,255.00
ONLY $3,843.00

R17-6 6-channel audio console
Mfr. List $2,944.00
ONLY $2,686.00

AUDIARTS

R5

The R-5 is a quality Audioarts console in a cost-effective, fixed-position configuration. Features: 13 channels (2 mic, 10 stereo line, 1 telephone), 4 high-quality mic preamps, 2 inputs per channel; illuminated switches throughout; Simple Phone telephonic 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; 2-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.

R5 12-channel audio console
Mfr. List $4,995.00
ONLY $4,496.00

AUDIARTS

R60 SERIES

If you're considering upgrading your station's console, look no further than the R-60. Available in 12- and 18-channel mainframes, these Audioarts consoles offer totally modular design with features and durability suitable for on-air use. Reliable illuminated switches, smooth glide faders and a powerful monitor section make them enjoyable to operate. And the totally modular design (no motherboard mounted components) makes it easy to customize. Features: two inputs per channel; any combination of mic or line inputs; Program, Audition and Mono bus; studio control 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 monitoring; event timer; built-in headphone amp, cue amp and speaker; LS-60 six-source line selector module. Options include: telephone module; full function machine control module; triple Start/Stop machine control module.

There are three models to choose from. The R6012 is a 12-channel mainframe loaded with 12 channels. The R6012B is a 12-channel mainframe loaded with 8 channels. The R6018B is an 18-channel mainframe loaded with 12 channels.

R6012 12-channel modular audio console
Mfr. List $7,750.00
ONLY $6,928.00

R6012B 8-channel modular audio console
Mfr. List $5,435.00
ONLY $4,884.00

R6018B 12-channel modular audio console
Mfr. List $7,862.00
ONLY $7,030.00

SP60 Simple Phone input module
Mfr. List $690.00
ONLY $610.00

1N60 input module
Mfr. List $585.00
ONLY $517.00

AUDIARTS

D7012/D7020

The digital Audioarts D-70 simply offers greater performance for less. All input modules on the D-70 feature A/B switching and all digital inputs have standard sample rate conversion. When you order, choose from any combination of microphone, analog stereo and digital stereo inputs. 4 stereo busses give you plenty of flexibility (each has both digital and analog outputs). There are control room and studio monitor modules with separate source-select and studio talkback. A dual-caller phone section has a DSP-generated mix-minus and separate record outputs. The console also features a digital timer, console clock with ESE timecode input, full-scale direct digital peak metering (with simultaneous dual-ballistic VU display); 4 blank slots for future expansion and opto-isolated logic ports for all input module positions. Call BSW today to order.

D7012 12-channel digital audio console
Mfr. List $9,624.00
ONLY $8,953.00

D7020 20-channel digital audio console
Mfr. List $12,039.00
ONLY $11,199.00

AUDIARTS

RD2020

Make a smooth transition into the digital realm with the Audioarts RD20 console. With the power of 32-bit floating point digital signal processing, this console is the flexible control center for today's digital and analog studios. It accepts both analog and digital input signals, processes them entirely in the digital domain and then provides output signals in both digital and analog formats! With the RD20, your present analog equipment can easily accommodate future digital equipment so your transition to digital can be orderly. Call for more information today.

RD2020 20-channel digital audio console
Mfr. List $18,380.00
ONLY $17,098.00

RD2016 16-channel digital audio console
Mfr. List $16,200.00
ONLY $15,070.00

* Non-inventory item subject to return restrictions.
AUTOGRAM PACEMAKER SERIES

Pacemaker consoles are affordable and versatile consoles for radio. The Pacemaker 648 features 8 inputs per channel (48 inputs total). On the 618, channels 1-5 have dual inputs; channel 6 has 8 inputs. The 828 has 28 stereo inputs; the 1032 has 32 stereo inputs (both the 828 and 1032 have 2 inputs per channel and 2 banks of remote selectors). Features: 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.

*D618 6-channel, 18-input audio console
Mfr. List $5,221.00  ONLY $4,786.00

*648 6-channel, 48-input audio console
Mfr. List $6,790.00  ONLY $6,225.00

*828 8-channel, 28-input audio console
Mfr. List $6,515.00  ONLY $5,973.00

*1032 10-channel, 32-input audio console
Mfr. List $7,727.00  ONLY $7,084.00

DIXON NM250

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 48-volt 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 off switch; 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/video/audio interface; all outputs except computer I/O are via pluggable terminal connectors and are balanced +4.

*NM250 8-channel audio console
Mfr. List $1,195.00  ONLY $1,112.00

AUTOGRAM PACEMAKER II SERIES

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

*PM218-12 12-channel audio console
Mfr. List $8,252.00  ONLY $7,565.00

*PM228-22 22-channel audio console
Mfr. List $11,913.00  ONLY $10,921.00

AUTOGRAM MINIMIX12A/MINIMIX8A

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 4.75” H.

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

*MIX/MIX A 12-channel audio console
Mfr. List $3,499.00  ONLY $3,208.00

*MIX8A 8-channel audio console
Mfr. List $2,499.00  ONLY $2,291.00

DYNAMAX/LPB MX/D SERIES

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/speaker and headphone amp; steel construction; excellent RF immunity; remote channel on/off; Lexan overlay on all control surfaces. Dim.: 25.75” W x 23” D x 9.75” H.

*MIXDF 8-channel audio console mainframe
Mfr. List $5,600.00  ONLY $5,796.00

*MIX/A analog input module
Mfr. List $300.00  ONLY $268.00

*MIX/D digital input module
Mfr. List $275.00  ONLY $245.00

DYNAMAX/LPB MX SERIES

True modularity, superior flexibility and low cost give Fidelipac’s MX series consoles real value for the dollar. MXA models are compact and perfect where space is limited. MXL consoles have linear faders mounted three inches apart. MXE consoles have linear faders mounted two inches apart. Features: true modular design, ultra-reliable motherboard construction; two inputs per module, mic/line or line/line (line inputs may be mono or stereo, consumer or professional format); full monitoring/cueing facilities with VCA mixer and monitor control; four assignable outputs—one stereo plus two mono; remote start logic; built-in cue amp/speaker and headphones amp; steel construction; excellent RF immunity; virtually indestructible control surfaces.

*MX-10L 10 channels
Mfr. List $5,195.00  ONLY $4,688.00

*MX-12E 12 channels
Mfr. List $5,495.00  ONLY $4,959.00

*MX-14E 14 channels
Mfr. List $5,695.00  ONLY $5,280.00

*MX-16E 16 channels
Mfr. List $5,695.00  ONLY $5,630.00

*MX-18E 18 channels
Mfr. List $5,895.00  ONLY $5,880.00

*MINIMIX8A 8-channel audio console
Mfr. List $2,499.00  ONLY $2,291.00

*MINIMIX12A 12-channel audio console
Mfr. List $3,499.00  ONLY $3,208.00

*Non-inventory item subject to return restrictions.
Digital Audio Routing and Mixing Made Simple

Logitek takes the guesswork out of going digital. We start with the Logitek Digital Audio Engine, a centralized point for all audio inputs and outputs at your facility (analogue and digital). The Audio Engine performs routing, mixing and equipment control functions. Multiple engines may be networked for maximum flexibility.

Next, you have your choice of several versatile console control surfaces. The ROC-10 (shown here) gives you ten fully assignable faders. Other choices include the modular Numix, with a range of 6 to 24 faders, the compact ROC-5 or our Vmix "virtual" PC-based control surface. Up to three control surfaces may be run from one Audio Engine.

Whether you have a single station or a huge networked operation, Logitek Digital Consoles can provide the flexibility and functionality you need. Call BSW today for more information. Logitek... Digital With A Better Difference!

LOGITEK NUMIX PACKAGE

Logitek's Numix digital console is a modular system made up of the AE32 Audio Engine and unique control surface wedges. It's ergonomic shape gives your studio a modern, open, low-profile look. The control surface consists of a selector wedge and one or more fader wedges as needed. Since the control surface is programmable, faders can access any and every input or output on the Audio Engine. Stored setups can be created which will allow each operator or day part to have a different configuration. You can even have multiple control surfaces connected to one Audio Engine. These surfaces can run independent studios or act as one large split console for talent and producer-type shows. The Numix connects to the Audio Engine with a single cable which makes installation a snap. Combinations of Logitek's two basic I/O cards determine how many channels your console will have. The Digital I/O card (1080) has 8 stereo/16 mono AES or S/PDIF inputs and outputs using DB25 connectors. The Analog card (1024A) has 6 stereo/12 mono inputs using DB25 connectors. The Audio Engine can accommodate up to 8 cards in any mix of analog and digital.

BSW's packages below consist of 1 Audio Engine, 1 Lone SHARC DSP, power supply, 2 fader wedges (12 faders) with 3 or 4 audio cards (up to 24 or 32 I/O); or 3 fader wedges (18 faders) with 6 audio cards (up to 48 I/O) in any mix of digital and analog.

*NUMIX1224 digital console with 3 audio cards (up to 24 I/O)
Mfr. List $19,257.00 ONLY $18,340.00

*NUMIX1232 digital console with 4 audio cards (up to 32 I/O)
Mfr. List $20,756.00 ONLY $19,768.00

*NUMIX1248 digital console with 6 audio cards (up to 48 I/O)
Mfr. List $26,904.00 ONLY $25,622.86

LOGITEK ROC SERIES

The Logitek ROC Series digital consoles are comprised of the AE32 Audio Engine, which includes all of the audio and I/O, and either 10-fader or 5-fader control surfaces. Up to two control surfaces can be used with each Audio Engine. These control surfaces are ergonomically designed with fully assignable faders, giving you easy access to any of the inputs and outputs housed in the Audio Engine and eliminating the need for a separate audio switcher. LCD displays above each fader show audio sources and their destinations to quickly identify routing paths. The 10-fader version (ROC10) has four VU and Peak LED meters, the 5-fader version (ROC5) has two meters. Combinations of Logitek's two basic I/O cards determine how many channels your console will have. The Digital I/O card (1080) has 8 stereo/16 mono AES or S/PDIF inputs and outputs using DB25 connectors. The Analog card (1024A) has 6 stereo/12 mono inputs using DB25 connectors. The Audio Engine can accommodate up to 8 cards in any mix of analog and digital.

BSW's packages below consist of 1 control surface, 1 AE32 Audio Engine, 1 Lone SHARC DSP, power supply, and the specified number of audio cards in any mix of digital & analog.

*ROC1016 10-fader console with 2 audio cards (up to 16 I/O)
Mfr. List $11,977.00 ONLY $11,407.00

*ROC1024 10-fader console with 3 audio cards (up to 24 I/O)
Mfr. List $13,476.00 ONLY $12,835.00

*ROC1032 10-fader console with 4 audio cards (up to 32 I/O)
Mfr. List $14,975.00 ONLY $14,262.00

*ROC1516 5-fader console with 4 audio cards (up to 16 I/O)
Mfr. List $9,977.00 ONLY $9,502.00

*ROC1524 5-fader console with 4 audio cards (up to 24 I/O)
Mfr. List $11,476.00 ONLY $10,930.00

*ROC1532 5-fader console with 4 audio cards (up to 32 I/O)
Mfr. List $12,975.00 ONLY $12,358.00

* Non-inventory item subject to return restrictions.
**Production Mixers**

**LPB BLUESC**
Finally, a small compact console with the functionality of an on-air console that's perfect for remotes. The BLUE SC is an easy-to-use stereo console offering all the traditional studio features such as full muting and remote start in a lightweight 5-channel console configuration. It's also an excellent choice for news and weather studios or webcasters with less demanding console needs.

**Features:**
- 5 stereo channels; two inputs per channel; stereo cue bus; RJ-45 ethernet CAT-5 connectivity; two independent headphone amps; mono telephone bus; Input Follow Muting; stereo program bus; Input Follow Remote starts; heavy-duty switches transformer balancing for RF immunity; 13X16” footprint fits any production mixer.

**Add a prewired console harness to your console.**

- Optional standard audio connector adaptors available.

**STUDIOHUB HUBHARNESS SERIES**

Add a prewired console harness to your console. StudioHub reduces on-site wiring with easy-to-use console harnesses consisting of connector hubs and pre-wired cables. Please specify console when ordering.

- **1HUBHARNESS**: 6-in, 2-out, 12-monitor harness  
  Mfr. List $1,295.00  
  ONLY $1,171.00
- **2HUBHARNESS**: 12-in, 4-out, 8-monitor harness  
  Mfr. List $12,950.00  
  ONLY $1,125.00
- **3HUBHARNESS**: 18-in, 6-out, 12-monitor harness  
  Mfr. List $1,920.00  
  ONLY $1,800.00
- **4HUBHARNESS**: 24-in, 8-out, 16-monitor harness  
  Mfr. List $2,550.00  
  ONLY $2,391.00

**ALESIS STUDIO 12R**
The Studio 12R is a 12-channel, rack-mountable mixing console that offers 8 ultra-high-quality microphone preamps and 60mm faders on each channel. Features:
- Two hands 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; 48-volt phantom power; balanced XLR and TRS I/Os.

**BEHRINGER MX2004A/MX802A/MX602A**
The MX2004A is a super affordable mixing console for professional audio applications. And it's definitely not stripped down. It offers 20 total inputs; 3-band EQs with semi-parametric mids in the mic channels; 4-band EQ in the stereo channels and two aux paths, one of them pre/post switchable per channel; peak/mute/solo LEDs and ALT 3-4 bus with faders.

**BEHRINGER MX1804X**
In the MX1804X, Behringer took their renowned VIRTUALIZER effects processor, using the same 24-bit processor and algorithms, and fit them into a 14-channel production mixer. This gives you 32 presets with excellent room simulations based on virtual acoustics plus various modulation effects. Features:
- 10 channel strips and faders; 6 mono inputs and 4 stereo inputs; 6 mic preamps; 2x2 subgroups; 3-band EQ (mono channels); 4-band EQ (stereo channels); 7-band graphic EQ; 2 AUX sends; 2 AUX stereo returns.

**BEHRINGER MX2442A**
Ultra-low noise mic preamps, based on conjugate-pair high-current transistors, are one of the main reasons the MX2442A gives your production such fabulous audio quality. Add extreme bandwidth (5 Hz to 100 kHz) and you get massive gain reserves as well as an excellent S/N ratio at all gain settings. Features:
- 20 channel strips; 16 mono inputs with mic preamps; 4 stereo inputs; 4 subgroups; 3-band EQ (mono channels); 4-band EQ (stereo channels); 6 AUX sends; 2 AUX stereo returns; 16 channel inserts; internal talkback mic.

**FOSTER VM-200**
The VM-200 digital console offers 32-bit processing and mixing, superior digital effects and high audio specs all in one compact and flexible package. Features:
- 56 mm motorized faders on all channels; built-in 32-bit RISC CPU for superior audio quality; link two VM200s together for 16 track recording; large backlit LCD display; dedicated stereo/solo level meter; 100 scene memory plus 3 preset scenes (Initial/Recording/Mixdown); direct operation of Pan and EQ for each channel via 12 rotary controls; 4-band parametric EQ on each of 16 input channels; 2x integrated DSP effects processors; word I/O - 7 reference clock (44.1, ADAT 44.1/48, S/P-DIF 44.1/48, Word 44.1/48); 3 fader groups; 3 mute groups; inputs: 8 analog inputs ch 1-8 (4 balanced XLR with +48v phantom power) plus 4 inserts; 2 track input; 8 digital inputs ch 9-16 via ADAT optical; 20 inputs in remix; Outputs: 8 direct bus ADAT digital out; 8 flexible bus (Stereo LR, Effects 1/2, AUX send 1,2,3,4).

**CONSOLES**

**Mfr. List $1,999.00  
ONLY $902.00
**
If you're serious about your creative product, your equipment list should start with a really good mixer like our VLZ® PRO Series. The industry standard for compact mic/line mixers, they're used day-in and day-out by more professionals to create more albums, demos, movie and broadcast sound tracks, commercials and web casts than any other brand.

XDR. The finest microphone preamp design ever built into a compact mixer.

Because the preamps in mixers have long been considered a poor second to $1000 to $2000-per-channel outboard preamps, Greg and our Analog Engineering Department spent two years of meticulous experimentation creating a sonically comparable mic preamp circuit.

According to numerous cynical recording engineers, magazine reviewers and a lot of satisfied owners, we succeeded.

One reason is the advanced 2068 op-amp that is a foundation of the XDR design. It blows away our competitors' op-amps in terms of noise and distortion.

Consider these real, measurable XDR- (Extended Dynamic Range) microphone preamp specs:

- 0.0007% CCIF Total Harmonic Distortion
- 0.0008% CCIF Intermodulation Distortion
- 130dB total dynamic range to handle hot digital sources
- 3Hz to 192kHz bandwidth
- Ultra-low mic E.I.N. at practical gain levels

The VLZ PRO Compact Mixer Series:

- Premium XDR mic preamps and VLZ circuitry for ultra-low noise
- New high-performance 2068 op-amps
- Musical, sweet-sounding equalization at useful, logical frequencies
- Sharp 18dB/Octave Low Cut filters
- Stereo In-Place Solo
- Easy channel level setting via Solo
- Constant Loudness pan pots
- Inserts on all mono mic/line channels
- 60mm long-wearing, logarithmic-taper faders (except 1202-VLZ PRO)
- Sealed rotary controls
- Thick MIL-spec fiberglass circuit boards
- Built-in high-current power supplies
- Steel chassis
- Easy-to-understand manuals
- Best Technical Support in the industry

Call your nearest Mackie office for a 72-page brochure/look-up guide that explains the VLZ PRO line in excruciating detail. Or log on to our web site. Then call BSW to decide which VLZ PRO model best meets your creative needs.
**MACKIE 1642VLZPRO/1604VLZPRO**

This Mackie mixer offers a perfect combination of mic and line level inputs. The 1642VLZ PRO has 16 total channels (8 mic/line plus 2 stereo mic/line plus 2 stereo line). Features: 10 ultra-low noise, high headroom mic preamps; 48V phantom power; 8 TRS channel inserts; 60mm log-taper faders; 4 AUX sends, level, pan -20 dB and OL LEDs on each channel; 3-band EQ with sweepable midrange on mono channels, 4-band EQ on stereo channels.

The Mackie 1604VLZPRO offers a full 16 mic preamps.

<table>
<thead>
<tr>
<th>Model</th>
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<th>Unit Price</th>
<th>Discounted Price</th>
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<td>RP1604VLZ</td>
<td>rototop for 1604VLZPRO</td>
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**MACKIE 32-4VLZPRO**

Mackie's upgraded 32-channel console offers quality and durability in a flexible 4-bus format that is suitable for both recording and broadcast applications. Mackie's new XDR (extended dynamic range) mic preamps are designed to compete with outboard preamps costing hundreds of dollars each. You'll notice the highly-focused high end. The substantial, detailed lower bass octaves. And hear textural midrange details you never knew your microphone could reproduce. Features: 10 ultra-low noise, high headroom mic preamps; 48V phantom power; 8 TRS channel inserts; 60mm log-taper faders; 4 AUX sends, level, pan -20 dB and OL LEDs on each channel; 3-band EQ with sweepable midrange on mono channels, 4-band EQ on stereo channels.

Mackie 32-8 and MB32

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

**MACKIE 1202VLZPRO/1402VLZPRO**

These 12- and 14-channel mixers are excellent broadcast production solutions. Excellent microphone preamps deliver even lower noise and higher headroom than Mackie's previous design. The 12-channel 1202VLZPRO is perfect for remotes and includes 4 extended dynamic range preamps, 8 high-headroom line inputs, phantom power, advanced DC pulse transformer RF rejection, 3-band EQ and more.

The incredibly popular 1402VLZPRO offers easy-to-control 60mm linear faders, separate ALT/cue bus, headphone matrix and more.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Unit Price</th>
<th>Discounted Price</th>
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<td>RM1402VLZ</td>
<td>rack ears for Mackie 1402VLZ</td>
<td>$12.00</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

Mackie 1202VLZPRO and 1402VLZPRO
ROLAND  
VM3100PRO  
The VM-3100Pro V-Mixing Station offers professional digital mixing capabilities and superb 24-bit sound quality in a compact and affordable desktop mixer. The VM-3100Pro is a full-featured 20-channel/8-bus digital mixer with two high-quality onboard stereo effects processors, powerful Scene memory and MIDI mixer capabilities, and an optional external ADAT/Tascam interface. Because it is digitally controlled, the VM-3100Pro is able to be configured as a full 8-bus mixer via its stereo Main, Auxiliary, Bus and Monitor outputs. This flexible mixer also offers digital output via its Digital Out A and Digital Out B output buses, bringing the total number of busses to 12. The VM-3100Pro's powerful onboard dual-stereo multi-effects processors offer a variety of effects as well as Mic Simulation and even new COSM Speaker Modeling. Features: two stereo multi-effects processors offer compression, reverber, chorus, delay, guitar/vocal/keyboard multi-effects; scene memory enables storing and recalling complex mixer settings, routings and effects; full MIDI compatibility with external sequencer; onboard 136 x 32 character display; backlit LCD includes helpful icons; self-luminous buttons allow speedy operation. Options: Rack mount kit.

SPIRIT  
FX16  
A flexible 4-bus, 16-channel mixer, the FX16 is capable of producing digital sound quality for both live and recording applications. Features: 16 balanced mic/line inputs with UltraMic preamps, 60 dB of gain range and +22 dB 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 48-volt phantom power. Options: Rack mount kit.

SPIRIT  
FX8  
At home in studio and live environments, FX8 is a multipurpose 8-channel console offering superb sound and durability. Features: 16 inputs (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 stereo outputs with pre/post fader configurability; 3-band EQ with swept mids on mono inputs; steep 18 dB/octave high-pass filter on mono ins; PFL solo; 4 bus structure with 2 subgroup outs; 2 stereo inputs with faders; 2 stereo returns for effects units or stereo instruments; 100mm tapered faders; global 48-volt phantom power for condenser mics; channel and mix inserts; dedicated mono sum output with separate level control; rugged chassis.

YAMAHA  
02RV2  
The 8-bus 02RV2 uses an "open system" for compatibility with all major industry-standard digital audio formats (TASCAM/TOAF-I, ADAT, AES/EBU, and Yamaha). It offers 40 input channels (24 analog and 16 digital), 8 output busses (analog/digital), 16 direct outputs, and 8 auxiliary sends for extraordinary signal processing power in remarkably compact dimensions. Features: on-board 24-bit recording capability; various surround panning options; off-board copy-and-paste editing; timecode offset and timecode quick location; touch sense fader editing, which allows a fader to be instantly updated by simply moving it; MIDI remote control assign; on-board MS stereo decoding; bus channel pairing, flexible routing assignment and fader grouping; 96 scene memories; fader start and stop internal automation system with 100 mm motorized faders; 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 SPDIF digital outputs. Dimensions: 26"W x 27"D x 29"H. Options: MB02 Meter bridge.

YAMAHA  
01V  
The 01V is an enormously powerful digital mixer featuring a wealth of signal routing, processing and mixing options. Features: 24 inputs (16 analog inputs, 8 balanced with mic preamps 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 0 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.

* Non-inventory item subject to return restrictions.

CONSOLES
Production Mixers

**YAMAHA 03D**

Based on the successful 02R, the 03D offers a balance of features and affordability. Features: 16 balanced inputs (8-XLR/TRS and 8-TRS only); a single stereo line input (TRS); a slot for optional I/O cards; internal automation system with motorized faders; snapshot; scene memory; 4-band parametric EQ; 4 Auxes; 2 Lexicon effects processors; 2 dynamic processors and 100mm moving faders. Along with snapshot and dynamic automation capability, it has built-in metering. Connectors include timecode input; RS422 port; MIDI ports; wordclock I/O; S/PDIF I/O and AES/EBU I/O.

*RM546 42-input, 8-bus digital audio console/mixer
Mfr. List $5,000.00  **ONLY $4,221.00**

**YAMAHA 03D**

Based on the successful 02R, the 03D offers a balance of features and affordability. Features: 16 balanced inputs (8-XLR/TRS and 8-TRS only); a single stereo line input (TRS); a slot for optional I/O cards; internal automation system with motorized faders; snapshot; scene memory; 4-band parametric EQ; 4 bus outputs; 4 AUX sends; inserts on channels 1 & 2; built-in dynamics and effects processing; balanced XLR stereo outputs; AES/EBU and SPDIF digital outputs. Dimensions: 18.1"W x 20.3"D x 8"H. Options: digital interface cards for DA-88, ADAT, AES/EBU and balanced XLR stereo outputs; AES/EBU and S/PDIF digital outputs. Dimensions: 4 AUX sends; inserts on channels 1 & 2; built-in dynamics and effects processing; 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 SPDIF digital outputs. Dimensions: 18.1"W x 20.3"D x 8"H. Options: digital interface cards for DA-88, ADAT, AES/EBU and balanced XLR stereo outputs; AES/EBU and S/PDIF digital outputs.

**YAMAHA MX12/4**

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 outputs.

*MX12/4 12-input, 4-bus audio mixer
Mfr. List $600.00  **ONLY $456.00**

**ATI**

**NANOAMP SERIES**

These ultra-compact mixers can be stacked or rack-mounted three across allowing for up to eleven mic/line inputs.

**MXS100 Features**: Designed for portable or field use; 3 low-noise, balanced mic/line inputs with pan; mic/line balanced stereo outputs with switchable peak limiting; phantom power; low-cut filters; test tone oscillator, tape in/out; XLR/I/O connections. Options: input expander XPS100. MXS100C features: mono version of the MXS100, full-featured. MX100/MX100C features: 3 low-noise, balanced mic/line inputs; phantom power; a single balanced or unbalanced output; headphone output; XLR/I/O connectors. MX100C adds switchable limiter. MX200/MX200C features: 3 balanced mic/line inputs; phantom power; balanced line level stereo output; headphone output; XLR/I/O connectors. MX200C adds switchable limiter.

**MP10**

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

The MP-10D combines a portable mixer, audio codec, digital telephone hybrid and a frequency extender in one very compact and easy-to-use unit. Features: built-in audio codec, with terminal adapter for high-quality connections on ISDN lines with low coding delay; built-in digital hybrid with echo suppression and frequency extender for use on analog telephone lines; two microphone inputs plus a third mic/line input with separate level controls; two headphones outputs with independent level control and monitor signal selector; separate auxiliary output with level control and signal selection switch; front panel telephone keypad with pulse/tone dialing; backlit LCD display.

*MP10 multi-function portable mixer
Mfr. List $1,545.00  **ONLY $1,449.00**

*TLE02D telephone codec/hybrid/mixer
Mfr. List $1,590.00  **ONLY $1,491.00**
Broadcast is a Contact Sport

Combining the great features of our original RemoteMix 3, with a third mic input, a third headphone output, and a host of other new goodies, our new RemoteMix Sport Hybrid Mixer is your best choice for professional sports broadcasting. Its compact design and combination phone line/universal handset connection provide unparalleled freedom and ease of use. Simply plug it into any analog line or a digital PBX or ISDN phone and begin the play-by-play.

A World of Solutions from JK Audio:

JK Audio makes telco-to-audio - to-telco simple and easy with an exceptionally wide range of interface solutions. Our Innkeeper 1 Digital Hybrid is available in both rack and desk versions and provides the ultimate in affordable performance. BSW offers the entire JK Audio line, so give BSW a call to see how JK Audio can help you.
Compact/Remote Mixers

BROADCAST TOOLS

CC1A/SM6

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

The SM6 mixer lets six stereo inputs feed a single stereo output (or dual mono).

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
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<td>CC1A</td>
<td>console controller</td>
<td>$319.00</td>
</tr>
<tr>
<td>SM6</td>
<td>six-to-one mixer</td>
<td>$369.00</td>
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</table>

HENRY ENGINEERING

MICROMIXER

MicroMixer is a four-input, two-out stereo utility mixer. 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.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>MICROMIXER</td>
<td>4-channel utility line mixer</td>
<td>$195.00</td>
</tr>
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</table>

J K AUDIO

REMTOMIXX8X4

The RemoteMix 8x4 multi-line hybrid mixer is perfect for television IFB feeds or radio remote broadcasts. It offers main and monitor rotary switches to select between 4 telephone lines, 3 XLR mic inputs (switchable mic/line), 3 XLR outputs and 3 headphone jacks with level controls and source selector switches. Features: clean mix output; main phone line audio; monitor phone line audio; DTMF keypad; handset jack allows telephone conversation on selected line; switchable VU meter; 1 kHz tone generator; runs on batteries or AC power.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
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<td>multi-line telephone hybrid/mixer</td>
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HENRY ENGINEERING

STEREOMIXER

Henry Engineering builds many of your favorite interface tools. The StereoMixer is no exception. Features: 8 line level inputs (4 stereo or 4 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.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEREO MIXER</td>
<td>8-channel utility line mixer</td>
<td>$250.00</td>
</tr>
</tbody>
</table>

J K AUDIO

REMTOMIXX9X9

RemoteMix CE is a combination audio mixer, headphone amplifier and telephone hybrid in one. It's perfect for remote broadcasts, sport events and field reporting from any location. Features: works with conventional phone lines or cellular phone using a fax/modem adapter (available from your cellular dealer); two XLR microphone inputs (one switchable mic/line); 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 headset input for use as a standard telephone.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>REMOTOMIXX9X9</td>
<td>telephone hybrid/mixer</td>
<td>$955.00</td>
</tr>
</tbody>
</table>

J K AUDIO

REMTOMIXXSPORT

JK Audio has combined an audio mixer, headphone amplifier, telephone hybrid and PBX telephone interface in this rugged remote tool. It offers 3 XLR microphone inputs (one switchable to line level); 3 headphone jacks; 1/4" headphone cue input; XLR clean mix or phone mix output; speaker and talkback microphone and a VU meter. Works with conventional phone lines as well as PBX or ISDN phones.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>REMOTOMIXSPORT</td>
<td>telephone hybrid/mixer</td>
<td>$995.00</td>
</tr>
</tbody>
</table>

R D L

RU-MX5

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, +5); phantom power (jumper selectable); connections via barrier strip.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU-MX5</td>
<td>5-channel mic/line mixer</td>
<td>$255.00</td>
</tr>
</tbody>
</table>

MARTI

GX500

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

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>GX500</td>
<td>telephone interface/mixer</td>
<td>$1,219.00</td>
</tr>
</tbody>
</table>

RANE

MLM82A/SM26B

This flexible MLM82A 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. The SM26B 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 mono inputs plus a single stereo input 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.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLM82A</td>
<td>8-channel mic/line mixer</td>
<td>$499.00</td>
</tr>
<tr>
<td>SM26B</td>
<td>8-input line splitter/mixer</td>
<td>$439.00</td>
</tr>
</tbody>
</table>

**Non-inventory item subject to return restrictions.**
**RDL STICK-ON SERIES MIXERS**

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.

**ST-MLX3** is a 3-channel utility audio mixer for combining one or two line-level signals with a mic-level signal.

**ST-MMX3** provides audio mixing of three microphone inputs with individual input gain adjustments. Line level output.

**ST-MX3** provides audio mixing of three line level inputs with individual gain adjustments.

**ST-MXL3** is a 3-channel audio mixer used for combining three line level signals to a single microphone level output.

All four models require 24-volt power supply (PS24A sold separately).

- **STMLX3** 3-channel utility mic/line mixer
  Mfr. List $124.00 **ONLY $100.00**

- **STMMX3** 3-channel utility microphone mixer
  Mfr. List $130.00 **ONLY $106.00**

- **STMX3** 3-channel utility line mixer
  Mfr. List $117.00 **ONLY $96.00**

- **STMXL3** 3-channel utility line mixer
  Mfr. List $124.00 **ONLY $100.00**

- **PS24A** power supply for RDL Stick-On™ series
  Mfr. List $18.00 **ONLY $15.00**
  See page 60 for other Stick-On Series interfaces.

**ROLLS PROMIX III**

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

- **MX54** 3-channel microphone mixer
  Mfr. List $120.00 **ONLY $86.00**

**ROLLS RM203**

The RM203 is a line-level mixer with ten channels of stereo inputs (unbalanced 1/4"), tape input and output (stereo RCA jacks), mono auxiliary send and stereo returns (unbalanced 1/4") and Balanced TRS stereo outputs. With 10 k ohm inputs and 50 ohm balanced outputs, it's great for mixing several consumer or semi-pro stereo source machines and connecting them to professional equipment. The RM203 maintains the stereo image throughout the unit, and has excellent signal to noise performance.

- **RM203** 10-channel line mixer
  Mfr. List $280.00 **ONLY $240.00**

**SOUND DEVICES MIXPRE**

Designed for high-definition field production, Sound Devices MixPre is a studio-quality, two-channel stereo mic preamp combining rugged construction and compact size. Features: 20 Hz to 50 kHz bandwidth; greater than 100 dB dynamic range; up to 86 dB of gain per channel; 60 dB of pad per channel; built-in phantom power; input assignment (pan) switches; 1/4" balanced XLR outputs; battery or DC power; dual mono or stereo-linked limiters with adjustable thresholds; tape return enabling monitoring of external sources; aluminum chassis.

- **MIXPRE** 2-channel microphone mixer
  Mfr. List $855.00 **CALL FOR BEST PRICE**

**SHURE FP42**

The FP42 is a high-quality stereo microphone mixer.

**Features:**
- 4 balanced mic/line inputs, balanced L/R outputs
- pull-pot cueing on all input channels; low-cut filters; mono/multi/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).

- **FP42** 4-channel mic/line mixer
  Mfr. List $1,264.80 **ONLY $949.00**

**SHURE M367**

The M367 is a very rugged and quiet compact mixer in the tradition of the famous Shure M267.

**Features:**
- 6 balanced mic/line inputs; phantom power; input peak LEDs; balanced, 2-position mix bus; switchable output peak/limit; adjustable threshold and limiter LED; illuminated battery/AC meter and program monitor input selector; all-metal chassis; detachable power cord; easy-access side battery compartment; headphone monitor circuit.

- **M367** 6-channel mic/line mixer
  Mfr. List $810.90 **ONLY $609.00**

**STUDIOMASTER 42DCXLR**

This battery powered stereo output mixer is ideal for any type of remote application such as audio for video, ENG work, remote broadcasts, etc.

**Features:**
- 4 channels (each input can be XLR mic or RCA line); inputs include a pan control; 1/4" left and right output jacks; mic/line level output switch; mono/stereo mode switch; rugged steel construction; battery test light; jack for DC 9-volt input (adaptor not included).

- **42DCXLR** 4-channel mic/line mixer
  Mfr. List $132.00 **ONLY $106.00**

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*Non-inventory item subject to return restrictions.*
**DAT Recorders**

**EVENTIDE**

**VR204**

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.

*VR204  4-channel DAT audio logger  Mfr. List $7,495.00  ONLY $5,795.00*

**FOSTEX**

**D-5**

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

*D-5  DAT recorder  Mfr. List $1,029.00  ONLY $772.00*

**SONY**

**PCM-R300**

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 20-bit resolution A/D into 16-bit signals, allowing it to be recorded to a standard DAT. It incorporates much of the technology used in previous DAT recorders with many new features, including a set-up menu for preference selection with switchable ID6 mode (SCMS). **Features:** center mounted transport; supports 32 kHz, 44.1 kHz and 48 kHz sampling rates; A/D and D/A monitoring modes; auto head cleaning; unbalanced RCA analog I/O; S/PDIF digital I/O.

*PCM-R300  DAT recorder  Mfr. List $1,025.00  ONLY $718.00*

**SONY**

**PCM-R500**

This machine is a full-function professional DAT machine. **Features:** high-reliability transport with 4 direct drive motors; jog/shuttle dial for easy operation; high S/N ratio with Super Bit Mapping recording function; 8-pin parallel remote control port; wireless remote control; independent L/R recording level controls; balanced XLR and unbalanced RCA analog I/O; AES/EBU and coaxial digital I/O.

*PCM-R500  DAT recorder  Mfr. List $1,765.00  ONLY $1,224.00*

**TASCAM**

**DA20MKII**

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

*DA20MKII  DAT recorder  Mfr. List $1,060.00  ONLY $795.00*

**TASCAM**

**DA302**

The DA-302 contains two DAT recorders built into one 3U rack mount unit. **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); balanced RCA I/O. Options: balanced XLR analog I/O kit.

*DA302  dual DAT recorder  Mfr. List $1,899.00  ONLY $1,099.00*

**TASCAM**

**DA40**

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

*DA40  DAT recorder/player  Mfr. List $1,399.00  ONLY $1,099.00*

**HHB/SONY**

**DAT MEDIA**

BSW carries high-quality DATs. Call today to order the quantity you need.

**HHB 64 minute DAT**

**HHB 94 minute DAT**

**HHB 124 minute DAT**

**SONY 64 minute DAT**

**SONY 94 minute DAT**

**SONY 124 minute DAT**

**ONLY $6.60**

**ONLY $8.00**

**ONLY $8.50**

**ONLY $6.60**

**ONLY $8.00**

**ONLY $8.50**

*Non-inventory item subject to return restrictions.*
So check this out –

Instant Replay® puts 1,000 of your favorite noises right in front of you, ready for instant playback. No other audio player makes it so easy to be spontaneous and creative. It’s fast, it’s easy, and it’s fun. Here’s the deal. One Instant Replay can store over 24 hours of stereo sound. That’s 24 hours of sound effects, spots, promos, even entire songs – anything – and you can play any of them back instantly by pressing one of 50 Hot Keys! There’s no need for training. It’s self-contained and works right out of the box – just push the buttons and go!

Log on 360systems.com®

Now with Editing!
### Hard Disk Recorders/Production Systems

#### 360 SYSTEMS

**SHORT/CUT**

Short/Cut Editor replaces two-track reel-to-reel tape machines for fast editing of single or dual channel audio. It offers all the features you'll need to capture and edit audio for talk radio, call-in clips, news actualities, promos and spots. **Features:** split-second editing; familiar tape recorder interface; high-resolution waveform display; real-time editing including cut, copy, insert, erase; insert record; crossfades; fade-in/fade-out; gain changes and ramping; one-touch instant record captures incoming audio in any mode; title and cut select with built-in keyboard; assign cuts or edited clips to 10 Hot Keys per Directory; 10 Directories with password-protect; internal hard disk stores 4 hours of audio; optional external Zip drive for low-cost copies and archival; reads and writes .WAV, .BWF and .AIFF files on MAC or PC disks; weighs only 12 pounds (with built-in speakers, headphone amp and ramping; one-touch instant record captures incoming audio in any mode; title and cut select with built-in keyboard; assign cuts or edited clips to 10 Hot Keys per Directory; 10 Directories with password-protect; internal hard disk stores 4 hours of audio; optional external Zip drive for low-cost copies and archival; reads and writes .WAV, .BWF and .AIFF files on MAC or PC disks; weighs only 12 pounds (with built-in speakers, headphone amp and ramping; one-touch instant record captures incoming audio in any mode; title and cut select with built-in keyboard; assign cuts or edited clips to 10 Hot Keys per Directory; 10 Directories with password-protect; internal hard disk stores 4 hours of audio; optional external Zip drive for low-cost copies and archival; reads and writes .WAV, .BWF and .AIFF files on MAC or PC disks; weighs only 12 pounds; records with a start on audio feature for tight starts; "top and tail" editing of sound files; built-in keyboard locates cuts by name/number; ten banks of 50 Hot Key buttons (find a cut by typing its name or ID number, or, if it has been assigned to one of the 50 Hot Keys, just hit its associated key for absolute instant access); internal hard disk stores 24 hours of random access audio; external parallel port for outboard removable storage drives or to print cut lists, bank maps, playlists and legend overlays to label Hot Keys; jump from one cut to another with completely seamless transitions; audio cuts can also be selected as part of a play list for sequential playback; different play lists can be stored for each of the 10 banks, and can be recalled for playback or editing at any time; built-in D-NET File Transfer Network capability lets you transfer finished audio to DigiCart/IIs and Instant Replays; balanced XLR analog I/O (left channel input is switchable mic/line level); AES/EBU digital I/O; IEC-958 II input; D-NET output.

The Short/cut travel bag is fully padded providing protection and convenience. Includes shoulder strap, padded carrying handle and outside pocket.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC180-3</td>
<td>Short/cut audio editor - 4 hours audio storage</td>
<td>$3,495.00</td>
<td>$2,966.00</td>
</tr>
<tr>
<td>SC2BPRV</td>
<td>Zip drive for 360 Systems SC180-3</td>
<td>$199.00</td>
<td>$178.00</td>
</tr>
<tr>
<td>GBT05C</td>
<td>Travel bag for 360 Systems SC180-3</td>
<td>$110.00</td>
<td>$108.00</td>
</tr>
</tbody>
</table>

#### 360 SYSTEMS

**INSTANT REPLAY**

Instant Replay re-defined the term Hot Keys, with an easy-to-use control panel that offers rapid fire playback of 50 cuts, ordered in 10 different banks. Now Instant Replay 'Dash E' expands your ability to select the exact audio bite, or portion of an audio file that you want with "Top and Tail" trim editing. Up to 24 hours of stereo audio can be stored on Instant Replay's self-contained hard drive. Features: stores up to 1,000 audio cuts of various lengths; records with a start on audio feature for tight starts; "top and tail" editing of sound files; built-in keyboard locates cuts by name/number; ten banks of 50 Hot Key buttons (find a cut by typing its name or ID number, or, if it has been assigned to one of the 50 Hot Keys, just hit its associated key for absolute instant access); internal hard disk stores 24 hours of random access audio; external parallel port for outboard removable storage drives or to print cut lists, bank maps, playlists and legend overlays to label Hot Keys; jump from one cut to another with completely seamless transitions; audio cuts can also be selected as part of a play list for sequential playback; different play lists can be stored for each of the 10 banks, and can be recalled for playback or editing at any time; built-in D-NET File Transfer Network capability lets you transfer audio files, including the cut names and running times to DigiCart/IIs or other Instant Replays; balanced XLR analog I/O; AES/EBU digital I/O.

The DigiCart travel bag is fully padded, with shoulder strap, padded carrying handle and outside pocket.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR554-E</td>
<td>Instant Replay with 24 hour storage</td>
<td>$3,250.00</td>
<td>$2,758.00</td>
</tr>
</tbody>
</table>

#### 360 SYSTEMS

**DIGICART/II**

360 Systems Digicart/II Plus set the standard for cart replacement in television broadcast and radio production applications, featuring amazing performance options as well as a wide range of control choices. **Features:** flawless digital recording, either in linear mode or with Dolby AC-2 data reduction for extended times; stores up to 232 hours of stereo audio on internal hard disks and up to 48 minutes on each removable Zip disk; playback options range from locate and play of a single cut to automated play lists; RS-422 interface for TV master control automation; playlists range from simple strings of cuts selected 'on-the-fly' to complex groups of linear or rotating stacks linked together; back-to-back playback of audio cuts is absolutely seamless; cuts can be cued up while a cut is being played back; non-destructive editing of heads, tails, fades and gain; balanced XLR analog I/O; AES/EBU and IEC-958 II digital I/O; GPI/O; RS-422; ext. sync reference; D-NET File Transfer Network for high-speed transfers of audio files between machines.

The Digicart travel bag is fully padded, with shoulder strap, padded carrying handle and outside pocket.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>2750-15</td>
<td>Hard disk recorder - 116 hours audio storage</td>
<td>$4,185.00</td>
<td>$3,815.00</td>
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<tr>
<td>2750-20</td>
<td>Hard disk recorder - 154 hours audio storage</td>
<td>$4,242.00</td>
<td>$3,860.00</td>
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<tr>
<td>2750-30</td>
<td>Hard disk recorder - 232 hours audio storage</td>
<td>$4,461.00</td>
<td>$4,055.00</td>
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<tr>
<td>GBT05C</td>
<td>DigiCart travel bag for 360 Systems 2750</td>
<td>$101.00</td>
<td>$92.00</td>
</tr>
</tbody>
</table>

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*Non-inventory items subject to return restrictions.*
DigiLink IV
Recording/On-Air Delivery Systems

DigiLink IV (DL4) allows you to store programming on hard disk and automate satellite feeds and live broadcasts with the help of your Windows computer. The DL4 is ideal for a 2- or 3-studio radio station with On-Air and Production/Scheduling studios. With simultaneous triple play and record, the On-Air studio has dual overlapping play of audio while the Production/Scheduling studio features play and record.

Two Studio System
System Components:
(On-Air and Production/Scheduling studios: (1) DL4 Workstation with 3 Play, 1 Record, 105 hours audio; (2) 7-input play switcher; (2) 7-input record switcher; (1) Automation Software (for On-Air studio); (1) Scheduling Software (for Production/Scheduling studio)

Arrakis DL4STD2 -
List $7,995.00 $7,615.00

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

Arrakis DL4STD3 -
List $16,995.00 $16,186.00

ARRAKIS
DIGILINK III

Arrakis Digilink III is a multipurpose digital audio workstation for satellite and hard disk automation as well as on-air or live assist applications and audio production. Features: two separate audio outputs and the ability to triple play and record; works with all satellite services and DL4 interface; ideal for hard disk automation; 40 clocks and 40 jocks; 1500 timed records per week; Smart Squeeze and Auto Fill adjust sets to match break times; powerful live assist feature. Basic systems feature specified stereo audio storage, a VGA color monitor, keyboard and mouse. TrakStar editing software included.

*DL3-150 150-hour automation storage system
Mfr. List $11,995.00
ONLY $11,424.00

*DL3-78 150-hour automation storage system
Mfr. List $9,995.00
ONLY $9,520.00

WIREREADY
NEWSREADY32

NewsReady32 is a cutting edge, 32-bit Win95/NT newsroom system based on the original NewsReady and RadioReady Systems used by over 2500 radio stations. It integrates and organizes your wire services, news scripts, phone contacts, school closings, and audio bits all on the same screen and offers built-in word processing and audio editing. Digitally record and edit all your phone bits and automatically time-record all your satellite actuality feeds. Use with all Windows-compatible sound cards. Requires Pentium computer with Win95 or WinNT, 32 MB of RAM, 17" or larger monitor recommended. Includes 1-year of 24-hour 800# support and a free upgrade through manufacturer. NewsReady32 is now used by Clear Channel stations from coast to coast.

*WIRENEWS321ST
WireReady NewsReady32 software, single user
Mfr. List $2,495.00
ONLY $2,157.00

*WIRENEWS32-10PK
NewsReady32 software - 10 user pack
Mfr. List $9,995.00
ONLY $8,638.00

WIREREADY
MUSICREADY

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. The software package (SOMR1) includes audio cards. Features: supports multiple hard-drives; simultaneous play, record, overlap, crossfade and voice track with 3 audio cards.

The MusicReady system runs on standard Pentium Win95/98 computers with 128MB RAM and ample drive space. If supplying your own computers, call WireReady for slot/setup requirements.

WireReady-built workstations (sold separately) feature rack-mounted industrial-class cases, field-upgradeable slide-in motherboards, up to 17 card slots and 10 drive bays, and come standard with a minimum of 25 GB of drive space, Win95, PIII, CPU, 600 watt UPS, 17" monitor, mouse, modem and keyboard. All systems are pre-built and fully tested at the factory and include one year unlimited 24-hour 800# support, free parts replacement and disk-in setup and training.

*SOMR1 MusicReady software
Mfr. List $5,995.00
ONLY $5,181.00

* Non-inventory item subject to return restrictions.
MiniDisc Recorders

**DENON**

**DNM991R**

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

**DENON**

**DNM105OR**

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 and A-B; auto cue; ± 9.9% pitch control in .1% increments; external control terminals (RS-232C/422A switchable, D-Sub 9 pin and D-Sub 25 pin); defeatable SCMS coding; balanced XLR analog I/O; unbalanced RCA analog I/O; AES/EBU digital I/O; S/PDIF digital I/O. Options: Hot Start kit for up to 20 tracks (available via third-party manufacturer).

**DENON**

**DNM2000R**

The DN-M2000R minidisc machine for disc jockeys provides a wealth of useful features, such as a slider that controls speed, a pitch bend function that controls the beat, a seamless loop playback function and 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; U-TOC writing; editing functions such as divide, combine, move and erase; headphone output; unbalanced RCA analog I/O; AES/EBU digital I/O; S/PDIF digital I/O.

**SONY**

**MDSB5**

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's also effective for eliminating fragmentation on heavily edited discs; RAM-TOC edit lets you save your edited recording to a master disc and 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.

**SONY**

**MDSJE940**

Sony's low priced MiniDisc recorder has a PC keyboard input for typing disc and track names as well as a high-resolution 24-bit A/D converter. Features: ATRAC Type "R" digital signal processing; editing functions with divide, combine and move tracks, and undo last edit; Scale Factor edit; CD text and custom file transfer via control A-1 II; playback pitch control; coaxial and optical digital I/O, much more. Call today for more information on this Sony recorder.

*Non-inventory item subject to return restrictions.*
**HBB ADAT/HI-8 MEDIA**

BSW carries ADAT and Hi-8.

- **ADAT45**
  - **Mfr. List $11.00**
  - **ONLY $9.00**

- **DA113**
  - **Mfr. List $15.50**
  - **ONLY $14.00**

**HHB Hi-8 cassette, 113 min.**

**Mfr. List $15.50**

**ONLY $14.00**

**HHB CDR80S**

This HHB 79 minute 59 second CDR is 12X certified, with Phthalocyanin dye and silver reflective layer. It's optimized for professional audio applications.

<table>
<thead>
<tr>
<th>CDR80S</th>
<th>79 min recordable CD, silver, 12X certified</th>
<th>ONLY $1.37</th>
</tr>
</thead>
</table>

**HHB MEMOREX MD MEDIA**

BSW carries high-quality recordable MiniDiscs.

- **MD74**
  - **Mfr. List $6.45**
  - **ONLY $3.24**

- **MD74MEM**
  - **Mfr. List $2.79**
  - **ONLY $2.00**

- **MD74MEM20**
  - **Mfr. List $34.99**
  - **ONLY $33.00**

**HHB/SONY DAT MEDIA**

BSW carries high-quality DATs. Call today to order the quantity you need.

- **DAT65**
  - **HHB 64 minute DAT**
  - **ONLY $6.60**

- **DAT95**
  - **HHB 94 minute DAT**
  - **ONLY $8.00**

- **DAT125**
  - **HHB 124 minute DAT**
  - **ONLY $9.00**

**HHB/SONY ADAT MEDIA**

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- **DAT125**
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- **DAT95**
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  - **ONLY $8.00**

- **DAT125**
  - **HHB 124 minute DAT**
  - **ONLY $9.00**

- **PDP65**
  - **SONY 64 minute DAT**
  - **ONLY $6.60**

- **PDP95C**
  - **SONY 94 minute DAT**
  - **ONLY $8.00**

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  - **ONLY $3.24**

- **MD74MEM**
  - **Mfr. List $2.79**
  - **ONLY $2.00**

- **MD74MEM20**
  - **Mfr. List $34.99**
  - **ONLY $33.00**

**AMPEX REEL-TO-REEL MEDIA**

BSW carries high-quality reel-to-reel tapes in different lengths. Call today to order the quantity you need.

- **456151111**
  - **1/4" - 1200' 7" plastic reel**
  - **Mfr. List $160.00**
  - **ONLY $110.00**

- **456176117**
  - **1/4" - 2500' 10-1/2" pancake**
  - **Mfr. List $250.00**
  - **ONLY $160.00**

**AMPEX REEL-TO-REEL MEDIA**

BSW carries high-quality reel-to-reel tapes in different lengths. Call today to order the quantity you need.

- **406551131**
  - **1/4" - 1200' 7" plastic reel**
  - **Mfr. List $160.00**
  - **ONLY $90.00**

- **406576137**
  - **1/4" - 2500' 10-1/2" metal reel**
  - **Mfr. List $410.00**
  - **ONLY $240.00**

- **456151111**
  - **1/4" - 1200' 7" plastic reel**
  - **Mfr. List $160.00**
  - **ONLY $110.00**

- **456176117**
  - **1/4" - 2500' 10-1/2" metal reel**
  - **Mfr. List $250.00**
  - **ONLY $160.00**

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  - **ONLY $160.00**
**MiniDisc Recorders**

**SONY**

**MDS-E10/MDS-E12**

The MDS-E10 is a professional MiniDisc recorder designed to set new standard for value, with an impressive price/value feature set. Sporting a 1U high design, the MDS-E10 packs a lot of performance in a small package, including improved editing features, "Hot" starts, pitch control, long play/recording mode and a PC keyboard input for title entry. Features: high-quality 24-bit A/D/D-A converters; Wide Bit Stream technology for yielding 20-bit precision onto 16-bit media; ATRAC type "R" intelligent re-sampling of the encoded signal results in even more accurate audio quality; long play/recording mode; 10 multi-access "Hot Start" memories; variable-speed function; PS/2 keyboard input, which allows easier access to remote and track/disc titling functions; Time Machine records the first 6 seconds of a recording, even before you press "Record"; Scale Factor Edit allows relative levels of various tracks to be changed after recording takes place; auto cue, auto pause and next track select; auto track marking; Control-5 input for supplied wired/wireless remote; large, easy-to-read fluorescent display; unbalanced RCA analog I/O, coaxial and optical digital I/O.

The new MDS-E12 replaces the long successful MDS-E11 as the high-end, professional MD model, which will find its way into the hands of radio and production professionals. It includes all of the features and functions of the MDS-E10 and adds control interface capability (RS-232C and Parallel), plus record/play relay control I/O and balanced analog XLR I/O.

<table>
<thead>
<tr>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$599.00</td>
<td>$469.00</td>
</tr>
<tr>
<td>$899.00</td>
<td>$699.00</td>
</tr>
</tbody>
</table>

**TASCAM**

**MD301MKII**

Conveniences for the broadcaster abound on the MD-301MKII MiniDisc recorder. There are timer record/play, auto track and sync record functions and many program play options. Editing is easy with divide, combine, erase, move, title and undo. The MD-301MKII offers a front-panel keyboard connection (PS/2) for text editing. Features: 20-bit AD/DA converters, sample rate conversion facility for digital inputs, ATRAC compression, balanced XLR and unbalanced RCA analog I/O. A wireless remote control is also included.

<table>
<thead>
<tr>
<th>Mfr. List</th>
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<tbody>
<tr>
<td>$585.00</td>
<td>$469.00</td>
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</table>

**HHB/ MEMOREX**

**MD MEDIA**

BSW carries high-quality recordable MiniDiscs.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>MD74</td>
<td>HHB minidisc, 74 minutes</td>
<td>ONLY $3.24</td>
</tr>
<tr>
<td>MD74MEM</td>
<td>Memorex minidisc, 74 minutes</td>
<td>ONLY $2.00</td>
</tr>
<tr>
<td>MD74MEM20</td>
<td>Memorex MD bulk pack – 20 MDs</td>
<td>ONLY $33.00</td>
</tr>
</tbody>
</table>

**Portable Digital Recorders**

**MARANTZ**

**PMD650**

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

<table>
<thead>
<tr>
<th>Mfr. List</th>
<th>Price</th>
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<tbody>
<tr>
<td>$1,399.00</td>
<td>ONLY $1,180.00</td>
</tr>
</tbody>
</table>

**SONY**

**MZR70**

Sony's smallest ever MD machine now fits in the palm of your hand. The amazing recordable IC recorder with editing functions and runs on battery or AC power. Features: dual headphone jack; digital record level control; internal battery compartment holds one "AA"-type battery; "AA"-type NC-WMAA rechargeable battery included; 40-second shock resistant memory; high-quality recording with digital automatic gain control; sample rate converter; AC adaptor and digital connecting cable supplied.

<table>
<thead>
<tr>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$279.95</td>
<td>ONLY $209.00</td>
</tr>
</tbody>
</table>

**DENON**

**DN-F20R**

The DENON DN-F20R portable IC recorder uses up to two IC memory cards as the recording medium, doing away with cumbersome mechanisms and enhancing reliability. Recordings on the DN-F20R are created as sound files in MPEG format, the international standard, which can be ported to a PC for editing and manipulation. Features include: accepts up to 192MB CF media; selectable sampling rate of 24 kHz or 48 kHz; selectable bit rate of 16 kbps to 128 kbps (MPEG) for best audio quality versus recording time; 2 memory card slots for extended playback/recording; supports MPEG 1, MPEG 2 as well as linear PCM (.wav); stereo or mono recording; duplicates media from drive to drive; able to make 2 master recordings at once; up to 9,990 tracks are possible within ten sub-folders; built-in monitor speaker; stereo XLR mic inputs; mic limiter, attenuator and low-cut filter switches; RCA inputs and outputs; MP jack w/volume control; runs on 6 "AA" batteries or supplied AC adaptor.

<table>
<thead>
<tr>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,174.99</td>
<td>ONLY $1,174.99</td>
</tr>
</tbody>
</table>

* Non-inventory item subject to return restrictions.
MARANTZ
PMD680
This rugged and compact digital recorder is specially designed for high-quality voice recording. It uses flash memory PC cards that come in a variety of sizes. A 440MB card for example, provides you with up to 27 hours of MP2 audio or 1.5 hours .wav file uncompressed audio (cards sold separately). Highly reliable PC cards contain no moving parts and are impervious to temperature and shock. Features: compatible with compact flash (using an adaptor) and ATA-size PC cards; saves files as .mp2, .bwf or .wav; time/date generator; marking points; manual or auto record level control; built-in mic and speaker; 2-seconds pre-record buffer (continuously records audio before record button is pushed); balanced XLR and 1/4" microphone input (with -15/-30 dB attenuator); RCA I/O; coaxial digital output; telephone jack for phone recording/playback.

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

SONY
PCM-M1
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. Options: digital I/O.

TASCAM
DAP-1
Looking for a powerful tool for in-the-field reporting? This portable DAT recorder offers Tascam's quality electronics and high-end features in an extra strong, durable case. The DA-P1 has two heads and two direct drive motors, giving it one of the best transports in its class. And the audio is flawless. State-of-the-art A/D and D/A converters give it superb sound quality. Features include: 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; high-impact metal reinforced casing; balanced XLR mic/line and unbalanced RCA line inputs; unbalanced RCA outputs; S/PDIF digital I/O with SCMS free recording. Options include: external charger (CBD) and handy carrying case (CSD1).

PMI
MD REPORT
The MD Report offers an easy professional upgrade for your portable MiniDisc or DAT recorder. Simply drop in your portable device, connect it with the supplied harness, and your portable is now able to operate at a professional level with high-quality XLR mic preamps, built-in monitoring, speaker and rechargeable lead acid battery. The heavy-duty metal chassis protects your recorder and it even comes with a strong shoulder strap for packing around. Features: two balanced stereo inputs on Neutrik XLR connectors; 48-volt phantom power; adjustable mic gain; balanced XLR summed mono line output; headphone amp with level control and more. MiniDisc recorder shown with product not included.

PMI
MD REPORT JUNIOR
The MD Report Junior offers an easy professional upgrade for your portable MiniDisc or DAT recorder. Simply connect your device, keep it in place with the supplied harness, and your portable is now able to operate at a professional level with high-quality XLR mic preamps. Features: two balanced stereo inputs on Neutrik XLR connectors; 48-volt phantom power; adjustable mic gain; headphone amp with level control and nylon carry bag.

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Multitrack Recorders

360 SYSTEMS
TCK8/TCK4

TCR8™ is a full-featured Master Recorder designed to produce the highest level of audio quality, coupled with rock-solid performance in professional timecode-based applications. Designed primarily for premium quality acquisition, mixdown and playout, the TCR8 will emulate most popular digital and analog VTRs and DAT machines. It's an ideal replacement for maintenance intensive tape-based multitracks as well. DVD-RAM is now included and provides a low cost, high-density archival solution that allows random access and real time audio playout of selected tracks. Features: large display with cut titles, status indicators and detailed menu prompts; as well. DVD-RAM is now included and provides a low cost, high-density archival solution that allows random access and real time audio playout of selected tracks. Features: large display with cut titles, status indicators and detailed menu prompts; supports all frame rates in both NTSC and PAL formats; sample rates extend from 44.1 kHz to 96 kHz; standard internal hard disk provides 2 hours of 8-track recording (optional drives can extend storage capacity to over 96 hours of track time); includes balanced XLRs for analog I/O; AES/EBU digital I/O; LTC and VITC; sync to word clock, AES black, or video reference signals; RS-422 P2 protocols for VTR emulation (emulates BVW-75, DW-500 and PCM-7040); GPI/O; control I/O for keyboard titling (optional drives can extend storage capacity to over 96 hours of track time); includes 360 SYSTEMS

ALEXIS
ADATXT20/ADAT-LX20

The Alesis ADAT XT20 offers a new standard in audio quality while remaining completely compatible with the huge foundation of 100,000 ADATs in use worldwide. Using ADAT Type II, the modular digital multitrack recording format that writes 20-bits to tape, the XT20 records 8 tracks of true, linear 20-bit digital audio onto tape (16 times more detailed than the 16-bit sound of compact discs), without using external converters or multiplexers. Features: intelligent software-controlled tape transport; familiar track copy, tape offset and track delay functions; 20-bit, 128-times oversampling D/A converters; onboard 10-point autolocation system, automated punch in/out; compatible with ADAT Type I (16-bit); six-pound die-cast aluminum chassis; balanced analog I/O via 56-pin ELCO connector; unbalanced RCA analog I/O (x8); optical digital I/O; optional remote controller (BRC). ADAT-LX20 provides an economical solution for capturing the power of the ADAT format. It offers the same 20-bit ADAT type II digital recording format as the XT20, but lacks some of the high-end control features such as the 10-point autolocation system. ADAT-LX20 offers 5 locate points, etc.

FOSTEX
VF-16

Fostex's new 16-track digital multitracker combines state-of-the-art hard disk-based digital recording with easy-to-use and precise controls. The recording engine features a total of 24 tracks (the additional 8 ghost tracks being available for multiple takes) and simultaneous 16 track recording to an internal EIDE hard disk. Mixing functions start with 60mm faders for all 16 input channels and master; 3-band EQ with parametric mid channel compressors and master compressor; 8 mic inputs (2 with XLR, inserts and 48-volt phantom power); two effects sends and two auxiliary sends per channel switchable pre/post; and 99 mix-scene memory. Plus the VF-16 comes with two independent digital multi-effect processors!

TASCAM
DA-88/DA78HR

Tascam's renowned 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; and reliable tape format; gapless, seamless punch in/out with advanced digital crossfading technology; variable track delay; 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. Optional accessories, I/O boards and controller available. The DA78HR is a newer high-resolution, 24-bit modular multitrack with built-in time code capabilities. It does not offer all of the features of the DA-88. Talk to our sales professionals today to choose the right model for your application.

PORTASTUDIO 788

The 788 Digital Portastudio's nonlinear editing capabilities and built-in high quality effects make it a totally self-contained digital studio - just hook up a CD burner (sold separately) to the SCSI port, and your recording is ready to go. The various inputs on the 788 can accept mic and line level, S/PDIF digital output for digital mixdown, sum, monitor outputs and AUX outputs are all included on individual connectors. Also, MIDI In and Out jacks are provided for syncing your audio tracks to synthesizer and software-based sequencers. Features: 8-track, 24-bit hard disk recorder workstation; 250 virtual tracks for alternate takes; built-in high quality digital effects: reverb, chorus, distortion, multi-effects and more; 24-bit uncompressed sonic fidelity; 24-bit AD/DA converters; non-destructive editing with 999 levels of undo; 3-band EQ with true parametric mid; 5/101GB digital output for digital mixdown; SCSI port.

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TASCAM MX2424

Tascam's most flexible multitrack recorder can provide 24 tracks of recording at up to 48kHz, or it can be switched into a 12-track 88.2 kHz or 96 kHz recorder. Also, the MX-2424 can record to Macintosh (SD/II format) or PC (.WAV format) hard drives, allowing you to later export to the computer for other functions. Standard I/Os are two-channel S/PDIF and AES/EBU and balanced analog I/O. You may also install one of three optional 24-channel digital I/Os or analog I/O to customize the MX-2424 for your studio. It ships with a 9 GB internal drive, which equates to roughly 45 minutes of recording time across all 24 tracks. If that's not enough, you can slave more drives off the SCSI Wide port on the back panel, or build a drive into the front panel standard drive bay. The front panel can also be used to install an approved DVD-ROM drive for back-up, using increasingly affordable DVD-ROM media (optional). Features: unlimited virtual tracks; 100 levels of undo; non-destructive or destructive recording modes; SMPTE synchronization, Word Clock, MIDI time code and MIDI machine control; the included ViewNet MX software runs on either Mac or PC, and connects with standard 100 levels of undo; non-destructive or destructive recording modes; SMPTE synchronization, Word Clock, MIDI time code panel, or build a drive into the front panel standard drive bay. The front panel can also be used to install an approved recording time across all 24 tracks. If that's not enough, you can slave more drives off the SCSI Wide port on the back.

AW4416

If you're looking for the highest quality digital recording (without compression) and incredible ease of use, you'll want the Yamaha AW4416. Start with your choice of 16-bit or 24-bit resolution (either 44.1 or 48kHz). When you choose 16-bit, you get up to 8 tracks of simultaneous recording and 16 tracks of simultaneous playback. With 24-bit, you can have up to 16 tracks simultaneous recording and playback. Choose Manual or Auto Punch I/O, and since you can record up to 8 virtual tracks for each of the 16 tracks, you always have the material on hand for a hot mix every time, which you can mix down to the available stereo master tracks. There's plenty of recording space: 12 GB standard (up to 64 GB or enough for as many as 50,000 songs optional). Plus you can burn it directly to CD with the included CD recorder. Besides the incredible mixing functions, you also get powerful effects controls: great EQ (4-band parametric), plus two powerful digital effects processors. It's a complete recording studio in one - at a price every recording artist can afford.

Features: 16-track recording (x8 virtual tracks) to internal hard disk; 24-bit recording with no compression and 32-bit processing; 12 GB internal hard disk drive; built-in CD-RW drive; 44 channel, 8 buss and 8 AUX send mixer; 2 Internal multi-effects processors; channel/EQ/dynamics/delay/attenuation/phase/insert; 8 sample trigger pads with 2 banks (max. approx. 90-seconds); scene memory and auto-mix functions; Track, Part, Region and Song editing; standard play/record transport functions plus Jog with shuttle; 99 mark points per song plus Quick Locate and Repeat; manual and auto punch I/O; Word Clock I/O, MIDI In/Out/Thru, MTC OUT, To Host, SCSI, mouse and foot switch connectors; 2 Mini-YGDAI card slots for multiple digital and analog I/O options.
**DIGidesign**

**DIGI001**
Digi 001 is a complete audio/MIDI, hardware/software solution in one box. Digi 001 comes packed with all the I/O options you need - eight analog inputs, eight analog outputs, eight channels of ADAT optical I/O and two S/PDIF I/O channels - all at 24-bit resolution. It also comes with a one-in, one-out MIDI interface built in, a footswitch input for QuickPunch control, and an additional pair of analog monitor outputs and a headphone output with separate volume control. Two of the eight analog inputs on Digi 001 include high-quality microphone pre-amplifiers with gain control and phantom power, reducing the need to incorporate a separate mixer. Instead, you can plug in an instrument or microphone, set the levels and start recording! Because Digi 001 is an integrated system featuring hardware and software, both by Digidesign, there is no need for concern over compatibility issues. Everything about Digi 001 has been designed and tested as a complete unit in one location. With Pro Tools LE software, this cross-platform package is ready to plug in and use. Software Features: up to 24 tracks of 16- or 24-bit audio; complete integrated MIDI sequencing; five inserts and sends per track for effects; 16 internal mixing busses, full dynamic and breakpoint automation supports Real-Time AudioSuite (RTAS) plug-ins and support of all Pro Tools automation modes except trim.

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

**DIGIGRAM**

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

**DIGIGRAM**

**VXPocketTV2**
The VXpocket Type II PC Card allows you to perform serious audio production and analysis on your laptop computer. It offers professional audio quality plus compatibility with the most popular applications under both Windows 95/98/NT and Mac OS. Features: 24-bit converters; two balanced analog mono inputs at microphone or line level, and two balanced analog outputs; S/PDIF input and output allowing direct digital transfer; a break-out cable with XLR connectors for the analog inputs and outputs and RCA phono (CINCH) connectors for the digital I/O; 16-bit performance with Microsoft WAVE protocol and MacOS Sound Manager; ASIO driver available for 24-bit operation with compliant applications.

**DIGIGRAM**

**XTrack Bundles**
These powerful bundles, comprised of Digigram XTrack Audio Suite software and the PCXpocket 440 or the VXpocket2 audio cards, transform a PC laptop into a mobile audio workstation. Xtrack is a professional, ready-to-run implementation of Digigram's PCXedit that can be used with one or more sound cards. This unique digital audio multitrack editing software is intuitive, full-featured, and flexible for broadcast editing, video post-production, dubbing, CD authoring, and other applications. Xtrack features an unlimited number of virtual audio tracks that are dynamically assigned to inputs and outputs, with unassigned tracks serving as work tracks. Comprehensive, nondestructive editing and processing functions include cut, copy, insert, replace, drag and drop, fill with pattern, adjust to marker, time-stretching, pitch-shifting, and track merging. Video and audio autolocater functions allow rapid marking and recall of edit points. A key feature of Xtrack is its ability to create a single sound file in PCM or MPEG format from a multitrack mix, including edits, level automation, and track levels.

The more affordable bundle with VXpocket2 uses the processing power of the PC to run XTrack. The VXpocket has just one stereo input and output. With the PCXpocket 440 bundle, XTrack runs on the audio card providing guaranteed performance and speed, plus the VXpocket card offers two stereo inputs and outputs. Both units include an I/O cable that provides positive connection to the PC Card on one side and to a fan-out of audio cables on the other. Analog connectors are XLR and the S/PDIF and LTC connectors are phono.
DIGITAL AUDIO LABS

**CARDDELUXE**
CardDeluxe gives you the ability to record up to 24-bit, 96 kHz audio. **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; 44.1/10 balanced/unbalanced operation; full duplex; 4 channel operation using both analog and digital I/Os; slaving of multiple CardDeluxes to a single sample clock; Windows 95, 98 and NT drivers; Direct3X support.

**Mfr. List** $395.00 **ONLY $447.00**

**ECHO**

**DARLA24**
The Darla24 from Echo proves that computer-based multi-tracking doesn’t have to be difficult or expensive. **Features:** PCI bus master interface; 24-bit 96 kHz balanced inputs and outputs with a 1/4" breakout box; multiple cards may be synced together for easy expansion; Windows and Mac compatible.

**Mfr. List** $379.00 **ONLY $299.00**

**LEXICON**

**CORE2**
The Lexicon Core2 system offers complete and affordable interfacing for your computer, with connections for 4 channels of analog in, 8 channels of analog out, 8 channels of ADAT digital I/O and a stereo S/PDIF pair. **Features:** 24-bit A/D and D/A converters; dbx Type IV soft-knee limiting every input channel. Options: MP-100 daughterboard offers all of the effects found in the Lexicon MPX 100 effects processor.

**Mfr. List** $499.00 **ONLY $417.00**

**SOUND DEVICES**

**USBPRE**
Sound Devices USBPre is a complete, portable hardware interface for PC-based digital recording. Designed for USB-equipped Macintosh OS 9 and Windows computers (98SE, 2000, and ME), USBPre quickly and easily interfaces microphones, line level sources, musical instruments, and consumer audio electronics with personal computers. Its high quality, 24-bit audio inputs offer the most direct signal path into the computer. All analog-to-digital and digital-to-analog conversion is done outside of the computer, in the USBPre, for superior audio performance. Powered by the USB port from either notebook or desktop computers, no additional power source is required - the computer provides all power needed for operation.

**Mfr. List** $695.00 **ONLY $499.00**

*Non-inventory item subject to return restrictions.*
**Production Hardware**

**SOUNDSCAPE MIXTREME**

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

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

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

Soundscape is offering the Mixtreme 2000 PowerPAK that includes the Mixtreme card, plus the Soundscape IBOX 2-line interface, plus a bundle of software.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIXTREME2000</td>
<td>PC digital audio card with TIDIF I/O</td>
<td>$999.00</td>
<td>$543.00</td>
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<tr>
<td>MIXTREMEPCI</td>
<td>2-channel analog to TIDIF interface for Soundscape MIXTREMEPCI</td>
<td>$549.00</td>
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<td>IBOX8LINE</td>
<td>8-channel analog to TIDIF interface for Soundscape MIXTREMEPCI</td>
<td>$545.00</td>
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<tr>
<td>IBOX8ADAT</td>
<td>8-channel analog to ADAT interface for Soundscape MIXTREMEPCI</td>
<td>$520.00</td>
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<tr>
<td>IBOX8XLR</td>
<td>8-channel XLR analog to TIDIF interface for Soundscape MIXTREMEPCI</td>
<td>$1,500.00</td>
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<td>MIXTREMESP</td>
<td>PC digital audio card with TIDIF and S/PDIF I/O</td>
<td>$659.00</td>
<td>$651.00</td>
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</tbody>
</table>

**US-428**

With the US-428, Tascam has created the first major advancement in USB-based audio. Starting with a fully 24-bit front end, with two XLR inputs, two balanced 1/4” inputs, two unbalanced 1/4” inputs (switchable to Hi-Z), and S/PDIF I/O, and adding four channels of audio in and two out via USB, the US-428 is a powerful DAW (digital audio workstation) controller. It’s got real tactile controls for the most used functions in your DAW applications: transport, mute/solo and locate keys; unlimited banks of eight faders; an EQ module that supports control of up to four bands of fully parametric EQ; plus four aux sends and a panpot. It’s even got 32 channels of MIDI I/O (2 MIDI ports). Use one for your keys and modules, and the other for MTC- to lock your MTC-capable tape tracks to your computer. It’s also ideal for professionals making the leap from Portastudios to computer-based DAW programs. There are no audio cards to mess with, and you already know how to use it. Plus you can pack it along with your laptop for the perfect mobile setup. The US-428 comes bundled with Steinberg’s Cubasis VST sequencing software as well as MP3 encoder.

**TASCAM PCI-822**

The PCI-822 is a PCI-based interface card that includes everything you need to send digital audio and MIDI signals to your computer for recording and sequencing. It includes a TASCAM 8-channel TDF interface for DTRS recorders and compatible equipment, a stereo S/PDIF interface for DAT recorders and CD players, and 32 channels of MIDI I/O for keyboards, synth modules and mixer automation. The PCI-822 supports 16-, 20- and 24-bit audio as well as 44.1 and 48 kHz sampling rates. Plus, it includes Nemesis’ GigaSampler LE so you can take advantage of powerful software-based digital sampling. The PCI-822 can be installed to both Mac and PC computers. If you’re using a TASCAM modular digital multitrack and want to get into the power of nonlinear hard disk recording and editing, the PCI-822 is the affordable, easy-to-use solution.

*PCI822 PC/Mac digital audio card Mfr. List $369.00 ONLY $299.00*

**YAMAHA DSP FACTORY**

The DSP Factory DSP2416 offers the mixing power of the Yamaha 02R 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: digital mixer with 10 bus outputs and 6 aux sends; 4-band parametric EQ; 26 dynamic processors, 2 effects processors equal in quality to the REV500 channel delay on 20 channels; 8 track simultaneous recording with 16 track playback with up to 32-bit resolution; signals to and from recorder and mixer remain in the digital domain; compatibility with a wide variety of control software programs; stereo analog I/O on RCA connectors; stereo digital (coaxial)/I/O.

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

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

**Non-inventory item subject to return restrictions.**

**Software not returnable.**

*Non-inventory item subject to return restrictions.*
With SAW32 easily record and edit up to 16 mono or stereo tracks with 16-bit resolution (CD and DAT-quality sound files) directly on your computer's hard drive. SAW32 supports up to 6 stereo sound cards for a maximum of up to 12 physical inputs and outputs, and automatically converts 8 bit, 16 bit, mono or stereo files of any sample rate, playing them all seamlessly in sync — live...in real-time! The elegance and speed of the SAW's design offers unmatched efficiency in taking a project from conception to completion.

Even the most basic of the SAW products, the SAW32LITE offers the same functionality as SAW32, but has 8 mono/stereo tracks and supports up to 3 stereo devices.

**SAW32** 16-track PC recording software  Mfr. List $500.00 ONLY $488.00

**SAW32LITE** 8-track PC recording software  Mfr. List $300.00 ONLY $293.00

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**MINNETONKA**

**FAST EDIT 4.0**

This popular editing software now runs even faster and smoother as a 32-bit program. Fast Edit 4.0 provides fully nondestructive editing for Windows .wav files and now supports DirectX plug-ins. Features: ultra-fast cut and paste; sample accurate editing; simultaneous record and play with mix function (makes overdubbing and layering sounds a snap); fade-in/fade-out; drop-in markers can be manually or automatically named; reverse play, variable-speed, gain change and AGC functions; accurate punch-ins; scrub function.

**FASEDIT40** 32-bit PC editing software  Mfr. List $199.00 ONLY $61.00

**MINNETONKA**

**MXTRAX SERIES**

Now you can order MxTrax Native for your Windows-compatible sound card (previously it was only available for Yamaha DSP Factory). The multitrack software's easy-to-use interface lets you drag and drop elements to build your own mixer with a host of real-time processing and effects and full mixer automation. In addition, you get lightning-fast cut-and-paste editing with instantaneous fades and gain change, unlimited undos and much more.

With MxTrax gain access to the full power of the Yamaha DSP Factory. MxTrax supports all the amazing features of Yamaha's powerful card including dynamics, EQ and effects.

**MXTRAXNATIVE** PC recording software  Mfr. List $399.00 ONLY $307.00

**MXTRAX** software for Yamaha DSP2416  Mfr. List $499.00 ONLY $384.00

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**SEK'D**

**SAMPLITUDESTUDIO/SAMPLITUDE2496**

Samplitude Studio 5.3 is a popular real-time wave editor, hard disk recorder and sampling/multimedia program. It includes integrated real-time CD burning right from within the application. All effects and real-time processing are calculated on the fly - while the CD is created! Features: multi-track recording with up to 999 tracks; CD-mastering; non-destructive editing; mixer window with real-time effects; 3-stage fully parametric equalizer; complete dynamics section; FFT-filter/equalizer; noise reduction; room simulator; wave-editing; MIDI-recording and playback; MIDI-objects and tracks; MPEG coding; tape-mastering-support and over 50 supported CD writers.

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

**SAMPLITUDESTUDIO** PC multitrack recording/editing software  Mfr. List $399.00 ONLY $375.00

**SAMPLITUDE2496** 24-bit PC multitrack recording/editing software  Mfr. List $799.00 ONLY $750.00

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**SONIC DESKTOP**

**SMARTSOUND**

SmartSound® is the powerful intuitive way to create soul-stirring soundtracks in minutes. It's the first and only audio software designed to make complete, professional soundtracks, for any broadcast project, accurate to a tenth of a second — all with an award-winning user interface you can master in minutes. Features: create professionally edited soundtracks fast; create soundtracks at any length accurate to 1/10 of a second; find the music you need faster than any music library search engine; no time wasted piecing together isolated instrument loops; powerful, patented automated music creation engine; save and export files in the most popular, widely used file formats; the perfect add-on utility for any audio system.

SmartSound's Audio Palette and Sound Palette series of add-on music and sound effects CD-ROMs are especially enabled to work with its unique patented soundtrack creation process. These CDs feature live musicians and top production value to give your SmartSound soundtracks that emotion-packed professional edge. Choose from 24 exciting CDs with such themes as narration backdrops, romance and memories, spicy rhythms, classical masters, holiday magic and more. Call for list of titles and prices today.

**MFMM44** Mac music creation software  Mfr. List $399.00 ONLY $280.00

**WMFMM44** PC music creation software  Mfr. List $399.00 ONLY $280.00

* Non-inventory item subject to return restrictions.

**Software not returnable**
SONIC FOUNDRY  
SOUND FORGE 4.5

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

**SF4500**  PC multitrack editing software
Mfr. List $499.00
ONLY $366.00

SONIC FOUNDRY  
VEGAS AUDIO 2.0

Vegas Audio 2.0 achieves a level of performance not previously available with software-only multitracks. High bandwidth 24-bit, 96 kHz audio is only the beginning. Complete flexibility and enhanced media handling allow the mixing of file properties, bit depths and sampling rates. Features: works in real time; unlimited tracks; supports multiple file formats (.wav/.aif); 32 assignable DirectX FX sends; 26 AUX outputs; simultaneous multitrack record and play; unlimited undo/redo; multiple I/O support; MIDI Time Code synchronization.

**VEGAS2.0**  PC multitrack editing software
Mfr. List $499.00
ONLY $366.00

SONIC FOUNDRY  
ACIDPRO 2.0

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

**ACIDPRO2.0**  PC music production software
Mfr. List $399.00
ONLY $293.00

SYNTRILLIUM  
COOL EDIT PRO

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 are 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; much more.

**COOLEDP30**  PC multitrack editing software
Mfr. List $399.00
ONLY $320.00

TRACER TECH  
DIAMOND CUT 32

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

**DC32**  noise reduction software
Mfr. List $99.00
ONLY $86.00

Return Restrictions

Please ask your sales professional about return restrictions on products you purchase. Software is not returnable.

**Software not returnable**
**FOSTEX**

**VC-8**

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

**VC-8 ADAT optical to analog converter**

Mfr. List $329.00  
**ONLY** $249.00

**LUCID**

**AD9624/DA9624**

Lucid's AD9624 and DA9624 offer true 24-bit resolution assuring full dynamic range in 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); Features: 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.

*AD9624 A/D converter*  
Mfr. List $899.00  
**ONLY** $810.00

*DA9624 D/A converter*  
Mfr. List $749.00  
**ONLY** $675.00

**HOSA**

**ODL SERIES**

Each of these handy boxes allows simultaneous transfer (dubbing) of two independent channels of digital audio in either or both directions. ODL-276 links S/PDIF (coax RCA) to optical Toslink. ODL-312 links AES/EBU (XLR) to optical (Toslink). CDL-313 links S/PDIF (coax RCA) to AES/EBU (XLR). ODS-330 allows selection of one of two Toslink inputs to feed a single Toslink output. OVD-314 splits an optical input into two optical outputs. It works for 2-channel S/PDIF or B-channel ADAT "Lightspipe" formats.

**ODL312 AES/optical data link**  
Mfr. List $95.00  
**ONLY** $86.00

**ODL313 coaxial/AES data link**  
Mfr. List $95.00  
**ONLY** $86.00

**ODS330 optical data switcher**  
Mfr. List $95.00  
**ONLY** $86.00

**ODY314 optical data splitter**  
Mfr. List $95.00  
**ONLY** $86.00

**TELOS**

**7000-0000**

For real-time audio encoding, the Audioactive MPEG real-time encoder is the most professional solution on the market. This hardware and software system makes it easy to provide both real-time and stored audio streams for Internet and Intranet applications. The Telos Audioactive MPEG encoder provides outstanding audio quality and reliability. The hardware encoder is equipped with professional 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 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 MPEG hardware encoder**  
Mfr. List $2,800.00  
**ONLY** $2,380.00

**HOSA DIGITAL AUDIO CABLES**

Hosa digital audio cables are durable and made of high-quality materials to ensure top performance. AES series cables are made with flexible Belden 1800F 110 ohm cable with balanced XLR connectors for use with AES/EBU compatible equipment. DRA series cables are double shielded 75 ohm coax with gold plated RCA connectors for S/PDIF applications. OPM are premium flexible fiber-optic cable with Toslink connectors utilizing a metal headshell and fiber guide. ODT series cables are standard Toslink cables with molded plastic connectors.

**AES003 3' AES/EBU digital cable**  
**ONLY** $15.00

**AES005 5' AES/EBU digital cable**  
**ONLY** $16.00

**AES010 10' AES/EBU digital cable**  
**ONLY** $22.00

**AES015 15' AES/EBU digital cable**  
**ONLY** $26.00

**AES020 20' AES/EBU digital cable**  
**ONLY** $32.00

**DRA501 3.3' S/PDIF digital cable**  
**ONLY** $8.00

**DRA502 6.6' S/PDIF digital cable**  
**ONLY** $10.00

**DRA503 9.9' S/PDIF digital cable**  
**ONLY** $12.00

**DRA504 13.2' S/PDIF digital cable**  
**ONLY** $12.00

**OPM303 3' premium fiber-optic cable**  
**ONLY** $15.00

**OPM305 5' premium fiber-optic cable**  
**ONLY** $16.00

**OPM310 10' premium fiber-optic cable**  
**ONLY** $22.00

**OPM315 15' premium fiber-optic cable**  
**ONLY** $26.00

**OPM320 20' premium fiber-optic cable**  
**ONLY** $31.00

**OPM330 30' premium fiber-optic cable**  
**ONLY** $39.00

**OPM350 50' premium fiber-optic cable**  
**ONLY** $55.00

**OPT102 2' fiber-optic digital cable**  
**ONLY** $8.00

**OPT103 3' fiber-optic digital cable**  
**ONLY** $9.00

**OPT106 6' fiber-optic digital cable**  
**ONLY** $12.00

**OPT110 10' fiber-optic digital cable**  
**ONLY** $17.00

**OPT113 15' fiber-optic digital cable**  
**ONLY** $20.00

**OPT117 17' fiber-optic digital cable**  
**ONLY** $22.00

**OPT130 30' fiber-optic digital cable**  
**ONLY** $30.00

**OPT150 50' fiber-optic digital cable**  
**ONLY** $42.00

**For More Audio Cables and Wire**

See Pages 122-123

**For Microphone Cables**

See Page 76
**EAS**

**GORMAN-REDLICH**

Gorman-Redlich provides a cost-effective, easy-to-use EAS system. Features: 6 audio inputs; 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; digital audio storage; 5 programmable relays to supply contact closures for automation or other signal equipment; alert messages can be scrolled on a computer screen.

*EAS1 EAS encoder/decoder system
Mfr. List $1,750.00
ONLY $1,695.00

*M R weather receiver
Mfr. List $540.00
ONLY $539.00

**Headphones**

**AKG**

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

K141M semi-closed-ear headphone
Mfr. List $150.00
ONLY $79.00

**K240M**
The popular K240M headphone offers accurate reproduction at all listening levels, and good comfort with virtually no fatigue after prolonged use. Frequency response is 15 to 20,000 Hz. Includes mini-plug with 1/4" adaptor.

K240M semi-closed-ear headphone
Mfr. List $173.00
ONLY $89.00

**AUDIO TECHNICA**

**ATH-D40/ATH-M40**
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 20 kHz. ATH-D40 features enhanced bass (boost from 20 to 500 Hz). Both headphones can be driven loud. Includes 1/4" TRS connector.

ATHM40FS closed-ear headphone
Mfr. List $150.00
ONLY $105.00

ATHD40FS closed-ear headphone
Mfr. List $150.00
ONLY $105.00

**BEYERDYNAMIC**

**DT770PRO**
DT770PRO from Beyer offers extremely wide frequency response (5 Hz - 35 kHz), excellent isolation and maximum comfort with "Bass Reflex" technology for improved bass response. 600 ohm nominal impedance. Mini-plug with 1/4" adaptor.

DT770PRO closed-ear headphone
Mfr. List $199.00
ONLY $159.00

**MTS**

**3000D**
MTS 3000D is a comprehensive EAS solution in a single 7" high rack mount box. Features: 3 frequency agile internal receivers for AM, FM and national weather service (specify combination when ordering); 5 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 can repeat standard EAS messages in any spoken language; operates from front panel keyboard or PC keyboard; unlimited user-programmable event and location codes; 8 control inputs/8 status outputs; 4 user programmable relays; built-in multiple station operation.

3000D EAS encoder/decoder system
Mfr. List $3,199.00
ONLY $3,084.00

**EASE**

**encoding software**
Mfr. List $499.00
ONLY $481.00

**TFT**

**EAS 911**
The EAS911R4 encoder/decoder includes printer, digital recorder and four audio inputs, and is part of a modular system that 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; Practice key allows off-line operator training; control from multiple locations (up to 16) with optional remote control status modules (EAS941A) via twisted pair wiring up to 5000 feet away. Call for more information on this TFT EAS solution.

EAS911R4 EAS encoder/decoder with 4 audio inputs
Mfr. List $2,195.00
ONLY $2,049.00

EAS930A multi-module receiver with hot standby
Mfr. List $1,470.00
ONLY $1,373.00

EAS940A program/transmitter interrupt unit
Mfr. List $459.00
ONLY $429.00

EAS941A remote control status module
Mfr. List $495.00
ONLY $463.00

**KOSS**

**TD60/UR30**
Koss makes great low cost headphones. The lightweight, sealed-ear TD60 delivers great sound, provides good isolation to help prevent feedback, and is very affordable. Plus, BSW offers the exclusive advantage of a hard-wired 1/4" connector on the TD60. Order plenty for your station today.

The new UR30 has oversize ear cushions for complete isolation and are collapsible for easy packing. The impedance is only 100 ohms.

TD60 closed-ear headphone
Mfr. List $20.00
ONLY $19.00

UR30 closed-ear headphone
Mfr. List $34.95
ONLY $25.00

*Non-inventory item subject to return restrictions.*
For announcing sports or news, Sennheiser is the first choice. The industry standard HMD 25 boomset gives you the isolation you need to hear yourself, and the clarity offered by its mic capsule is unparalleled. The HD25 SP is a super lightweight, closed dynamic headphone which offers full frequency response for extra precision and excellent isolation.

**HD25 SP**
Rugged, high performance headphone with up to 16 dB of passive noise attenuation.
Features:
- Very lightweight
- Tough, detachable steel cable
- Fully modular design with replaceable parts for long life

**HMD 25**
Exceptional sound quality and versatility in a lightweight boomset.
Features:
- Supercardioid dynamic microphone for left or right side placement
- Thickly-padded split headband for added comfort and non-fatiguing wear
- Supraural, closed earcups for excellent isolation from ambient noise

[Versions: -I with Tin-plated open ends, -XQ with XLR (mic), 1/4" headphone connectors]

---

**AKG**

**K66**
This dynamic, semi-open headphones provides exceptionally smooth frequency response with large 1.6" transducers. It also features a self-adjusting headband and single cord for maximum comfort and convenience. Includes mini-plug with 1/4" adapter.

Mfr. List $62.00
ONLY $39.95

---

**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.

**AKG**

**K66**
This dynamic, semi-open headphones provides exceptionally smooth frequency response with large 1.6" transducers. It also features a self-adjusting headband and single cord for maximum comfort and convenience. Includes mini-plug with 1/4" adapter.

Mfr. List $119.00
ONLY $89.00

---

**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. Freq. response is 10-22,000 Hz. 1/4" TRS connector.

Mfr. List $100.00
ONLY $79.00

---

**Sennheiser**

**HD25SP**
The popular Sennheiser 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. Frequency response is 16 Hz to 22 kHz. Mini plug connector with 1/4" adapter.

Mfr. List $130.00
ONLY $99.95

---

**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.

Mfr. List $560.00
ONLY $49.95

---

* Non-inventory item subject to return restrictions.
Headphones

**SHURE PSM600**

For the lowest profile audio monitoring, try in-ear personal monitoring. Available in hard-wired and UHF wireless systems, the Shure 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. This system comes complete with a set of Shure E1 earpieces. Wireless systems feature two selectable UHF frequencies and Shure's legendary circuitry for clear channel reception. The wireless system (P6TRE1) includes a P6T half-rack transmitter, P6R body-pack receiver, and one set of E1 earpieces. The wired system (P6HW1) includes one P6HW body-pack receiver, 12-foot input cable, and one set of E1 earpieces.

*P6TRE1* wireless personal monitoring system
Mfr. List $1,621.80  **ONLY $1,199.00**

*P6HW1* wired personal monitoring system
Mfr. List $856.80  **ONLY $649.00**

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**SONY 7500 SERIES**

Sony headphones are some of the most popular in the broadcast industry, and at these prices they're extremely affordable! Sony MDR-7506 headphones deliver a surprisingly wide frequency range (5 to 30,000 Hz) in a comfortable, sealed ear format providing maximum isolation from external sound. The unique MDR-7505 features 40mm drivers with swivel earcups that allow for easy single-sided monitoring. Frequency response is 16 Hz to 22 kHz. The Sony 7502 is a favorite economy headphone with surprisingly clear and rich sound. All models include a mini-plug connector with 1/4" adaptor.

- **7506** closed-ear headphone
  Mfr. List $177.00  **ONLY $99.00**

- **7505** semi-closed-ear headphone
  Mfr. List $135.00  **ONLY $79.00**

- **7502** semi-closed-ear headphone
  Mfr. List $77.00  **ONLY $45.00**

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**SENNHEISER HMD25X-Q**

Acoustically dampened and sealed ear cups help make the HMD25X-Q a favorite for broadcasting by providing excellent isolation from crowd noise. The headset uses a supercardioid, noise-canceling dynamic mic. BSW offers the advantage of a cable with XLR and 1/4" connectors.

- **HMD25X-Q** headset with connectors
  Mfr. List $475.00  **ONLY $333.13**

---

**BEYERDYNAMIC DT190**

Beyerdynamic is a world leader in broadcast and communications headsets. Their full-featured DT190 combines their best sounding hypercardioid mic element and studio quality headphone elements in the classic Beyer headset design. It includes a cable terminating in a 1/4" connector for headphones and an XLR connector for the microphone.

- **DT190** headset with connectors
  Mfr. List $459.00  **ONLY $325.00**

---

**BEYERDYNAMIC DT290**

A low profile, lightweight design makes the DT290 very comfortable for long-term operation. It also offers excellent isolation from ambient noise. The incredible ONLY price shown is for the DT290 with a high-quality dynamic mic element. It also includes a cable terminating in a 1/4" connector for headphones and XLR connector for mic.

- **DT290** headset with connectors
  Mfr. List $339.00  **ONLY $249.00**

---

**SHURE SM2**

Shure's popular SM2 headset offers great sound in a comfortable, two-ear configuration. It has been proven reliable with consistently high quality sound reproduction. Headphone frequency response is 100 Hz to 8 kHz, mic response is 50 Hz to 15 kHz. Cable detaches from headset and ships unterminated at the other end.

- **SM2** headset
  Mfr. List $373.63  **ONLY $208.00**

---

*Non-inventory item subject to return restrictions.*
Go change the oil in the station van.

You've got **better** things to do with your time than worry about your station's audio... change light bulbs, fix the PD's radar detector, figure out where all the new batteries went.

**The New 506E HEADPHONE AMP** has everything you need to make your monitoring setup a snap.

The 506E features an internal power supply (no wall wart or line lump), LCR assignable cue input for IFB or producer talkback, and the Symetrix name.

Call BSW at 800 426-8434 to get yours today.

Then you can think about the **more important** things.
Headphone Amplifiers

**BEHRINGER**

**POWERPLAY PRO HA4400**
The POWERPLAY PRO HA4400 features 4 state-of-the-art stereo amplifiers with separate level controls. Each amplifier also sports an individual stereo AUX input.

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA4400</td>
<td>4</td>
<td>$159.00</td>
</tr>
</tbody>
</table>

**FOSTEX**

**PH-50**

Drive up to 5 sets of headphones with this handy headphone distribution amplifier. Each output has its own 100mW amplifier with individual level settings. In addition, use the AUX IN as a connection for a cue system. Units may be cascaded for more outputs.

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH-50</td>
<td>5</td>
<td>$229.00</td>
</tr>
</tbody>
</table>

**FURMAN**

**HA6A**

Furman HA6A 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. Order today.

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA6A</td>
<td>6</td>
<td>$316.00</td>
</tr>
</tbody>
</table>

**JK AUDIO**

**REMOTEAMP**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>REMOTEAMP</td>
<td>1</td>
<td>$190.00</td>
</tr>
</tbody>
</table>

**OZ AUDIO**

**HM6 Q-MIX**

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 your complicated remotes or busy control rooms.

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM6</td>
<td>6</td>
<td>$280.00</td>
</tr>
</tbody>
</table>

**OZ AUDIO**

**HR4**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR4</td>
<td>4</td>
<td>$176.00</td>
</tr>
</tbody>
</table>

**RANE**

**HC6**

On the HC6, the main stereo inputs drive 6 stereo headphone amplifiers through individual volume controls. Each headphone amp also has its own separate input which independently bypasses the main stereo input.

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC6</td>
<td>6</td>
<td>$381.00</td>
</tr>
</tbody>
</table>

**ROLLS**

**RA62HA/RA53/HA43**

Rolls offers portable and rack mount headphone amplifiers for varied applications. The RA62HA features 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA62HA</td>
<td>6</td>
<td>$163.00</td>
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<tr>
<td>RA53</td>
<td>5</td>
<td>$138.00</td>
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<tr>
<td>HA43</td>
<td>4</td>
<td>$72.00</td>
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</tbody>
</table>

**SYMETRIX**

**506E-HR-1/304S**

The 506E headphone amplifier has everything you need to make monitoring setup a snap. It features an internal power supply (no wall watt or line lump) and LCR assignable cue input for IFB or producer talkback.

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>506E</td>
<td>6</td>
<td>$449.65</td>
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<tr>
<td>HR-1</td>
<td>4</td>
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</tr>
<tr>
<td>304S</td>
<td>4</td>
<td>$254.15</td>
</tr>
</tbody>
</table>

**WHIRLWIND**

**PA-1**

The Whirlwind PA-1 is a high-quality, portable stereo headphone amp. It accepts both balanced and unbalanced stereo line level signals through parallelized XLR and 1/4" TRS inputs. A mono/stereo switch allows selection of either stereo or mono operation. In mono mode, two separate inputs can be mixed in conjunction with the balance control. A pad switch attenuates the input -20 dB. It operates on two 9-volt batteries or AC power.

<table>
<thead>
<tr>
<th>Model</th>
<th>Channels</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA-1</td>
<td>1</td>
<td>$157.00</td>
</tr>
</tbody>
</table>
PROBLEM SOLVERS

Rolls products are known world-wide for solving those little problems that every contractor/installer encounters. We make mixers, phantom power adapters, personal monitor amps, signal processors, and more.

HEADPHONE AMPS

Rolls headphone amplifiers are loud. They are preferred in environments from noisy industrial plants to loud rock concert stages.

TEST EQUIPMENT

Rolls has signal generators, cable testers, and now the new PT102 Phase Tester.

MIXERS

We’ve got something for the job.

APHEX

124A

124A easily interfaces consumer audio equipment to professional studio and broadcast facilities with superior audio specifications. Active, servo-balanced circuitry converts +4 dBm (or +8 dBm) line levels to -10 dBm (hi-fi) levels, and back again. XLR and RCA type connectors enable quick hook-up.

- 124A level matching interface amplifier
  - Mfr. List $229.00
  - ONLY $190.00
- 44008SA rack kit for Aphex 124A
  - Mfr. List $30.00
  - ONLY $25.00

ATI

NANO AMP SERIES

Nanoamps are high-quality, ultra compact (1/3 rack width) Interface amplifiers.

- The BI100 is a stereo, bi-directional pro/consumer interface unit.
  - BU400 is a 4-channel unit - all balanced to unbalanced.
  - UB400 is a 4-channel unit converting 4 unbalanced inputs to balanced outs. (RCA and XLR connectors on above units).
  - L200XLR is a dual line attenuator/impedance converter/signal splitter/summing amp.
  - All units require an external power supply (WA100-1).

*ATI 81.1100 stereo bi-directional level matching Interface
  - Mfr. List $5239.00
  - ONLY $222.00
*ATI 81.1400 4-channel bal. to unbal. matching amplifier
  - Mfr. List $5229.00
  - ONLY $213.00
*ATI UB400 4-channel unbal. to bal. matching amplifier
  - Mfr. List $259.00
  - ONLY $240.00
*ATI L200XLR dual line level/splitting/summing amp
  - Mfr. List $235.00
  - ONLY $233.00

ATI

BI100, 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 DP 100 in a bi-directional format for record and playback applications.
  - MIU 1000 uni-directional stereo level matching amplifier
  - Mfr. List $299.00
  - ONLY $277.00
*MM100 bi-directional stereo level matching amplifier
  - Mfr. List $339.00
  - ONLY $314.00

BEHRINGER

DI100

With the Behringer DI100 active direct inject box, hum and impedance problems are a thing of the past. Features: OT-1 transformer for ultra-linear frequency response; internal battery automatic shut off when phantom power is connected; ultra-low noise operational amplifier for outstanding audio quality; gold-plated XLR and 1/4" input/output jacks (XLR balanced); direct connection of amplifier output; switchable input attenuation allows input levels of up to +50 dBu; Ground Lift switch isolates grounding circuit for hum elimination.

- DI100 professional active direct inject box
  - Mfr. List $79.00
  - ONLY $69.00

BROADCAST TOOLS

IPC-1/IPC-2

The IPC-1 is an active bi-directional stereo level-matching interface designed to interface IHF consumer audio equipment with professional audio equipment. Features: input and output level controls; gold plated phono jacks; active balanced pro connections on removable screw terminals; excellent immunity from hum and RF; monaural jumpers and optional rack mount kit.

- IPC1 stereo bi-directional Interface amplifier
  - Mfr. List $169.00
  - ONLY $151.00
- IPC2 twin stereo interface amplifier
  - Mfr. List $169.00
  - ONLY $157.00

*Non-inventory item subject to return restrictions.
EBTECH
HE/HEB
Hum Eliminator HE (2-channel) eliminates ground loop hum and converts back and forth between balanced and unbalanced signals at either end.
Mfr. List $75.00
*HEB 8-channel hum eliminator
Mfr. List $285.00

EBTECH
LLS/LLS8
The LLS 2-channel rack mount unit converts back and forth between -10dBV and +4dBu, eliminate ground loop hum and converts between balanced and unbalanced signals at either end.
The LLS8 is an 8-channel rack mount unit.
LLS 2-channel line level shifter
Mfr. List $99.00
*LLS-B 8-channel line level shifter
Mfr. List $345.00

HENRY ENGINEERING
MATCHBOXII/TWINMATCH
Matchboxii is an ideal way to correctly interface consumer equipment with professionalstudio gear. The bi-directional unit features 4 independent amplifiers providing full stereo input and output interface; adjustable output levels and RF shielding. Balanced XLR and unbalanced RCA I/O.
Twinmatch is like the Matchboxii, but provides two stereo channels in one direction for playback of two consumer level units.
MATCHBOXII bi-directional interface amplifier
Mfr. List $195.00
ONLY $163.00
TWINMATCH dual stereo interface amplifier
Mfr. List $195.00
ONLY $163.00

RDLC
STICK-ON SERIES
Radio Design Labs' Stick-On™ are compact, high-quality audio interface devices that can be directly and discretely mounted on equipment, under counter tops, or combined in rack mount systems. Active units require a 24-volt power supply such as the PS24A (sold separately).
STCL1 compressor/limiter
Mfr. List $143.00
ONLY $116.00
STEQ3 3-band equalizer
Mfr. List $92.00
ONLY $75.00
STA1 interface amplifier
Mfr. List $140.00
ONLY $113.00
STA1M audio line amplifier
Mfr. List $103.00
ONLY $83.00
STA2 line amplifier
Mfr. List $147.00
ONLY $119.00
STACR1 audio controlled relay
Mfr. List $93.00
ONLY $76.00
STACR1M control relay
Mfr. List $95.00
ONLY $78.00
STACR2 audio control relay
Mfr. List $93.00
ONLY $76.00
STAM3 active mic combiner
Mfr. List $117.00
ONLY $96.00
STCX1F full range crossover - 100Hz-30kHz
Mfr. List $110.00
ONLY $93.00
STCX15 subwoofer crossover
Mfr. List $116.00
ONLY $93.00
STD1K 10K ohm divider/combiner
Mfr. List $50.00
ONLY $42.00
STD1SO 150 ohm divider/combiner
Mfr. List $50.00
ONLY $42.00
STD600 600 ohm divider/combiner
Mfr. List $50.00
ONLY $42.00
STD A 1x3 distribution amp
Mfr. List $130.00
ONLY $106.00
STGCA1 gain control amplifier processor
Mfr. List $123.00
ONLY $100.00
STGCA2 fast gain control amplifier
Mfr. List $123.00
ONLY $100.00
STGLA1 gated line amplifier
Mfr. List $115.00
ONLY $93.00
STGSP1 gated speech preamplifier
Mfr. List $124.00
ONLY $100.00
STMP1 high-pass filter - 350Hz-30kHz
Mfr. List $110.00
ONLY $93.00
STMP2 high-pass filter - 500Hz-30kHz
Mfr. List $116.00
ONLY $93.00
STLCR1 non latch logic control relay
Mfr. List $72.00
ONLY $59.00
STLCR2 logic controlled relay
Mfr. List $106.00
ONLY $86.00
STM1 mic preamp
Mfr. List $99.00
ONLY $80.00
STM2 mic preamp
Mfr. List $136.00
ONLY $110.00

RDL
RU-LA2D/BU-BLA2
These compact units offer outstanding audio performance and can be racked three across in only 1RU.
The RU-LA2D is a bi-directional impedance matching device for conversion from +4 balanced to -10 unbalanced equipment and vice versa with XLR, RCA and barrier block connections.
The RU-BLA2 is designed to drive and/or buffer balanced audio lines. It features discrete dual channels with XLR I/O.
RU-LA2D 1X8 pro interface
Mfr. List $274.00
ONLY $216.00
RU-BLA2 line driver/buffer
Mfr. List $238.00
ONLY $199.00

RDL
STR19A
Easily mount your RDL Stick-On series audio/electrical units into one 19" rack mount system. STR-19A mounts up to 12 Stick-Ons with velcro attachments in a 2RU 19" rack mount.
STR-196B mounts up to 10 Stick-Ons at an angle, allowing for easier adjustments of all Stick-On units.
STR19A racking system
Mfr. List $127.00
ONLY $103.00
STR19B racking kit
Mfr. List $150.00
ONLY $122.00

* Non-inventory item subject to return restrictions.
**SS 2.1/BNC**  
Composite - AES/EBU Switcher/Router  
Passive switching/routing with 2 composite audio, video or AES-EBU inputs to 2 composite audio, video or AES-EBU outputs, or vice-versa.

**SS 2.1/Term**  
Stereo Audio Switcher/Router  
Passive switching/routing with 2 stereo inputs to one stereo output or vice-versa.

**SS 3.1**  
Stereo Audio Switcher/Router  
Passive switching/routing with 3 stereo inputs and one stereo output or vice-versa.

**Time Sync**  
GPS Time Referenced Relays  
Provides two separate GPS time referenced relay outputs. One relay pulses once every 15 minutes, one pulses at the "Top of the Hour" (00:00), one is an open collector with a 100 ms pulse every second.

**ENC-16/DEC-16**  
DTMF Encoder/Coupler & Decoder/Coupler  
ENC-16 encodes and DEC-16 decodes all 16 DTMF tones and act as autodialing couplers with 16 SPST relays and RS-232 interface.

**BOR-4**  
Box-O-Relays  
4 independent 2PDT relay interfaces with two opto-isolated and logic inputs-programmable logic and pulse stretching (delays) from 500 ms (1/2 second) to 108 minutes.

**DSC-20**  
Dual Satellite Controller  
Adds remote control capability to the StarGuide II/III, Wegener 4000, ComStream and SA Encore DSR-3610/AD-4595 allowing control by serial and contact closures.

**3X2**  
Dual Stereo Audio Switcher  
Active crosspoint switcher with 3 stereo inputs and 2 stereo outputs.

**6X1**  
Stereo Audio Switcher/Router  
Passive switching/routing with 6 stereo inputs and one stereo output, or vice-versa.

**8X1 DAS**  
Digital Audio Switcher  
Routes any one of eight AES/EBU digital inputs to three split outputs.

**8X2D**  
Dual Stereo Audio Switcher  
Active crosspoint switcher with 8 stereo inputs, 2 stereo plus 2 mono outputs.

**10X1**  
Stereo Audio Switcher/Router  
Passive switching/routing with 10 stereo inputs and one stereo output or vice-versa.

**SS 12.4**  
Stereo Crosspoint Audio Switcher  
Active crosspoint switching with 12 stereo inputs and 4 stereo outputs.

**SS 8.2**  
Stereo Crosspoint Audio Switcher  
Crosspoint switching/routing with 8 stereo inputs, 2 stereo plus 2 mono outputs.

**DSC-32/64**  
Dual Satellite Controller  
Allows the remote control of any combination of TWO StarGuide II and/or III, Wegener Unity 4000 or ComStream receivers.

---

Call BSW Today or Visit bswusa.com for More Information on Broadcast Tools.
**Russ Friend**

**CD100X**

Here's an inexpensive tool for converting a -10 dBv source to +4 dBu. It's perfect for interfacing a consumer CD player to pro audio equipment. Features: RCA inputs and barrier strip outputs; recessed trim pots.

CD100X interface amplifier  
Mfr. List $109.00  
ONLY $104.00

**Symetrix**

**303/307**

The 303 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.

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.

303 interface amplifier  
Mfr. List $199.00  
ONLY $169.15

307 dual isolation transformer  
Mfr. List $199.00  
ONLY $169.15

**Broadcast Tools**

**8X1DAS/XLR**

Broadcast Tools' 8X1 routes any one of eight AES-ID or AES-3 digital inputs to three outputs. Features: programmable; last selected source memory; safety lockout; output muting; remote control/status and multi-drop RS-232 and RS-485 serial ports. Two versions are available: The 8X1DAS/XLR that's balanced AES-3 110 ohm with XLR connectors, or the 8X1DAS/BNC that's 75 ohm unbalanced AES-3 with BNC connectors.

8X1DAS/XLR digital audio switcher with XLR connectors  
Mfr. List $509.00  
ONLY $480.00

8X1DAS/BNC digital audio switcher with BNC connectors  
Mfr. List $509.00  
ONLY $480.00

**Broadcast Tools Passive Series**

Broadcast Tools passive switches offer excellent performance in a variety of configurations. All models feature local and remote control and status via contact closures and RS232 serial ports and balanced I/O. All audio connections are via removable screw terminals.

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: RS232 multi-drop serial port; last selected source memory; BNC connectors.

SS2.1/Terminal offers passive switching/routing with 2 stereo inputs to 1 stereo output or vice-versa. Features: RS232 multi-drop serial port; last selected source memory; pluggable screw terminal connectors.

SS3.1 passively switches or routes any one of three stereo inputs to one stereo output or vice-versa. Features: step input with manual or automatic sequencing; remote control/status and RS232 serial port.

6X1 passively switches or routes any one of 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 and remote step input; last source selected memory.

10X1 passively switches or routes any one of 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 and remote step input.

SS2.1/BNC 2x2 composite audio/video/AES switcher  
Mfr. List $169.00  
ONLY $151.00

SS2.1/Terminal 2X1 stereo audio switcher  
Mfr. List $169.00  
ONLY $151.00

SS3.1 3X1 stereo audio switcher/router  
Mfr. List $179.00  
ONLY $164.00

6X1 6X1 stereo audio switcher/router  
Mfr. List $419.00  
ONLY $404.00

10X1 10X1 stereo audio switcher/router  
Mfr. List $559.00  
ONLY $531.00

**Burk**

**LX1**

The Burk LX1 is a quality 6-input 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 6-input stereo selector  
Mfr. List $1,295.00  
ONLY $1,185.00

**Conex**

**AS101**

The Conex AS101 provides 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 audio switcher  
Mfr. List $962.00  
ONLY $928.00

AS401 remote control for Conex AS101  
Mfr. List $161.00  
ONLY $156.00

* Non-inventory item subject to return restrictions.
**FURMAN**  
**SRM80**

The Furman SRM-80 signal router/monitor makes mixdown and dubbing simple and affordable. It facilitates mixdown and copying between different media types without tying up additional console channels and handles up to 4 stereo devices (such as DAT, cassette, CDs and MDs) in addition to main mix from the board. Monitoring is easy using the built-in headphone amp or uniquely thought out amplified speaker selection system. Features: power amp drives two speaker pairs; unit also accommodates one pair of self-powered speakers; speaker select function switches between speaker pairs; 40-segment high resolution metering for L/R monitor and MONO sum button helps identify mix problems for radio compatibility.

**PRE -10 shares the same basic features as the PRE -6, but is configured in a single-space rack mount chassis. Features:**
- 32 kHz, 44.1 kHz or 48 kHz sample rates; fail-safe circuitry protects against loss of lock or data error.
- 3 stereo digital inputs,
- 1 main stereo analog input plus a stereo digital output.
- Front panel pushbutton steps through audio sources; each selected source provides an open-collector output on the rear panel for remote source indication; front panel LED indicators show selected source.
- For additional RDL switchers see page 60.

**TITUS TECH**

**3DRX**

The 3DRX has two stereo digital and one stereo analog input plus a stereo digital output. The 3DRX will automatically switch to the secondary digital input if the primary digital source fails (loss of lock, data error, etc.) and then switch to analog input if the two digital streams fail. Features: 32 kHz, 44.1 kHz or 48 kHz sample rates; local, remote or automatic control; up to 24-bit, 96 kHz stereo digital audio for all digital inputs and outputs.

**PPA/PPB SERIES**

These economical panels are perfect for the do-it-yourselfer wanting to build a custom patch assembly. All models are 1RU and feature a rear panel strain-relief bar to secure and dress out your wiring. PPA1 has 2 rows of 24 longframe jacks. PPA1-26 has 2 rows of 26 longframe jacks. PPB has 2 rows of 48 bantam jacks.

**PRE6B**

Stereo switcher  
**PRE1OM** mono 1x2 rack mount switcher  
**PRE1OS** stereo switcher

**LOGITEK**  
**PRE SERIES**

The PRE-6 provides reliable, economical audio switching in a compact desktop chassis. Features: reliable 6 x 1 passive switching; buttons highlighted 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 (PRE10M) or stereo (PRE10S) models.**

**TITUS TECH**

**MLW8**

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 VTRs or multitrack audio systems.

**TASCAM**

**CUPB032 SERIES**

Tascam’s affordable series of patchbays offer two rows of 16 jacks that are half-normalled top to bottom. Choose from four configurations: 14” to 1/4”, 1/4” to RCA, RCA to RCA and TRS to TRS.

**ADC**

**PROPATCH MARK IV SERIES**

Pro Patch Mark IV patchbays utilize the new QCP IV punchdown system that provides gas tight connections for stranded and solid wires. These new terminals are round and more robust than previous versions and don’t require orientation of the tool before punching. The new QP-4T tip can be used in existing QB-2 punch tools. Our featured patchbays from this series are the PPA-3-14MKIV that have two rows of 24 longframe jacks in a 2RU (3.5”) chassis that’s 14” deep. Choose the configuration you need. Patchbays with custom cable harnesses are also available. Call today.

**@TITUS TECH**

**MLW2**

audio router

**CUPB032U** patchbay with 1/4” jacks front and back

**CUPB032H** patchbay with 1/4” jacks front, RCA jacks back

**CUPB032B** patchbay with RCA jacks front and back

**CUPB032A** patchbay with TRS jacks front and back

**Mfr. List $1,450.00**

**ONLY $760.00**

**Patchbays**

**CUPB032 SERIES**

Tascam’s affordable series of patchbays offer two rows of 16 jacks that are half-normalled top to bottom. Choose from four configurations: 14” to 1/4”, 1/4” to RCA, RCA to RCA and TRS to TRS.

**ADC**

**PPA/PPB SERIES**

These economical panels are perfect for the do-it-yourselfer wanting to build a custom patch assembly. All models are 1RU and feature a rear panel strain-relief bar to secure and dress out your wiring. PPA1 has 2 rows of 24 longframe jacks. PPA1-26 has 2 rows of 26 longframe jacks. PPB has 2 rows of 48 bantam jacks.

**Mfr. List $230.00**

**ONLY $211.00**

**Mfr. List $230.00**

**ONLY $244.00**

**Mfr. List $275.00**

**ONLY $252.00**

**LOGITEK**

**PRE SERIES**

The PRE-6 provides reliable, economical audio switching in a compact desktop chassis. Features: reliable 6 x 1 passive switching; buttons highlighted 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 (PRE10M) or stereo (PRE10S) models.**

**TITUS TECH**

**3DRX**

The 3DRX has two stereo digital and one stereo analog input plus a stereo digital output. The 3DRX will automatically switch to the secondary digital input if the primary digital source fails (loss of lock, data error, etc.) and then switch to analog input if the two digital streams fail. Features: 32 kHz, 44.1 kHz or 48 kHz sample rates; local, remote or automatic control; up to 24-bit, 96 kHz stereo digital audio for all digital inputs and outputs.

**PPA/PPB SERIES**

These economical panels are perfect for the do-it-yourselfer wanting to build a custom patch assembly. All models are 1RU and feature a rear panel strain-relief bar to secure and dress out your wiring. PPA1 has 2 rows of 24 longframe jacks. PPA1-26 has 2 rows of 26 longframe jacks. PPB has 2 rows of 48 bantam jacks.

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**Mfr. List $275.00**

**ONLY $252.00**

**ADC**

**PROPATCH MARK IV SERIES**

Pro Patch Mark IV patchbays utilize the new QCP IV punchdown system that provides gas tight connections for stranded and solid wires. These new terminals are round and more robust than previous versions and don’t require orientation of the tool before punching. The new QB-4T tip can be used in existing QB-2 punch tools. Our featured patchbays from this series are the PPA-3-14MKIV that have two rows of 24 longframe jacks in a 2RU (3.5”) chassis that’s 14” deep. Choose the configuration you need. Patchbays with custom cable harnesses are also available. Call today.

**Mfr. List $900.00**

**ONLY $824.00**

**Mfr. List $750.00**

**ONLY $686.00**

**Mfr. List $750.00**

**ONLY $686.00**

**TITUS TECH**

**MLW8**

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 VTRs or multitrack audio systems.

**With four balanced bridging inputs, the MLW-2 is primarily designed for the main audio path, allowing automatic crossfade to an alternate channel if a problem or loss of signal with the main channel is encountered.**

**Mfr. List $1,995.00**

**ONLY $1,849.00**

**Mfr. List $1,800.00**

**ONLY $1,757.00**

**CUPB032 SERIES**

Tascam’s affordable series of patchbays offer two rows of 16 jacks that are half-normalled top to bottom. Choose from four configurations: 14” to 1/4”, 1/4” to RCA, RCA to RCA and TRS to TRS.

**CUPB032U** patchbay with 1/4” jacks front and back

**CUPB032H** patchbay with 1/4” jacks front, RCA jacks back

**CUPB032B** patchbay with RCA jacks front and back

**CUPB032A** patchbay with TRS jacks front and back

**Mfr. List $155.00**

**ONLY $61.00**

**Mfr. List $155.00**

**ONLY $61.00**

**Mfr. List $145.00**

**ONLY $760.00**
AKG
C3000B
Type: large diaphragm electret condenser. Pickup Pattern: cardioid. Features: true 1" diaphragm; gold-sputtered membrane; 6 dB/octave bass roll-off switch; switchable 10 dB internal pad for use in high SPL environments; 3mm thick internal windscreen; includes elastic spider suspension. Optional Accessories: GS-5 windscreen.
C3000B
studio condenser microphone
Mfr. List $520.00
ONLY $300.00

AKG
C4000B
Type: large diaphragm electret condenser. Pickup Pattern(s): omnidirectional, cardioid, and hypercardioid. Features: 1" diaphragm; gold-sputtered membrane; 3mm thick internal windscreen; optimized transformerless output stage insures the accuracy of low frequency; switchable 10 dB internal pad; 12 dB/octave bass roll-off at 100 Hz; max SPL 155 dB @ 0.5% THD; includes elastic spider suspension and windscreen.
C4000B
studio condenser microphone
Mfr. List $740.00
ONLY $599.00

AKG
C414BULS
Type: large diaphragm electret condenser. Pickup Pattern(s): cardioid, hypercardioid, omnidirectional and figure-8. Features: low self-noise; high overload point; 126 dB dynamic range; switchable 10 & 20 dB attenuation; frequency range 20-20,000 Hz; includes stand adapter and windscreen; requires phantom power. Optional Accessories: GS-5 windscreen.
C414-TL2 is a special vocal version with transformerless output and a special capsule tuned to the human voice.
C414BULS
studio condenser microphone
Mfr. List $1,100.00
ONLY $799.00
C414B/TLII
studio condenser microphone
Mfr. List $1,165.00
ONLY $999.00

ALESIS
AM51/AM52
The GT-series AM51 and AM52 offer the superb sound of high-end, large-diaphragm condenser microphones at prices broadcasters and project recording studios can afford. Using solid-state field effect transistor (FET) circuitry, they provide an extremely transparent representation of the acoustic signal, with no coloration and extremely low distortion and self-noise. Features: large diameter 3-micron gold-evaporated mylar diaphragm; switchable -10 dB pad; switchable low frequency roll-off (75 Hz); high SPL handling for very loud sources. The AM51 has a fixed cardioid polar pattern. The AM52 offers 3 switchable polar patterns: cardioid, omni and figure-8.
AM51
single-pattern FET studio microphone
Mfr. List $649.00
ONLY $499.00
AM52
multi-pattern FET studio microphone
Mfr. List $799.00
ONLY $599.00

AUDIO TECHNICA
AT3525
Type: condenser. Pickup Pattern: cardioid. Features: outstanding performance; flat, extended frequency response (30 Hz to 20 kHz); high SPL handling capability (146 dB); switchable 80 Hz hi-pass filter; 10 dB pad; includes multi-position shock mount and protective pouch.
AT3525
studio condenser microphone
Mfr. List $339.00
ONLY $196.00

AUDIO TECHNICA
AT4047SV
Audio-Technica's AT4047/SV studio mic is the perfect blend of classic sound and modern engineering. It offers the sonic characteristics reminiscent of early F.E.T. studio mics and delivers the consistent performance you've come to expect from A-T's 40 Series. Features: cardioid capacitor mic; exceptionally low self-noise and wide dynamic range; gold-plated dual diaphragms; switchable 80 Hz hi-pass filter and 10 dB pad; shock mount.
AT4047SV
studio capacitor mic
Mfr. List $695.00
ONLY $499.00

AUDIO TECHNICA
AT4033SM
Type: large-diaphragm condenser. Pickup Pattern: cardioid. Features: sensitivity and dynamic range of higher-end studio mics; switchable high-pass filter; internal wind-screen; includes spider shock mount. Optional Accessories: GS-5 windscreen.
AT4033SM
studio condenser microphone
Mfr. List $495.00
ONLY $349.00

* Non-inventory item subject to return restrictions
You've spent years perfecting your voice with just the right articulation and timbre to get you into broadcast. You need a microphone that faithfully delivers that sound to your audience. That's why broadcasters everywhere choose the Electro-Voice RE20 and RE27N/D. Their wide-band response and Variable-D® design delivers an outstandingly clear performance every time. Variable-D® eliminates the up-close "proximity effect" bass boost that makes other directional microphones sound "muddy."

Why not check out EV's entire family of problem-solving broadcast microphones. Every one guaranteed unconditionally against malfunction from even accidental abuse, for two years from the date of purchase. The first choice of professionals...

EVERY TIME, EVERYWHERE.
**AUDIX**

**CX101/CX111**

Type: large capsule condenser. Pickup Pattern: cardioid. Features: very low noise floor (17 dBA); rugged brass housing with black satin finish; CX111 adds -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.

<table>
<thead>
<tr>
<th>Mic</th>
<th>Description</th>
<th>List Price</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>CX101</td>
<td>studio condenser mic</td>
<td>$499.00</td>
<td>$428.00</td>
</tr>
<tr>
<td>CX111</td>
<td>studio condenser mic</td>
<td>$599.00</td>
<td>$514.00</td>
</tr>
</tbody>
</table>

**BeyerDynamic**

**M99**

Type: dynamic. Pickup Pattern: cardioid. Features: large diaphragm neodymium specially tuned element; selectable equalization curves; excellent off-axis rejection; very low handling noise; robust sound; includes suspension mount.

<table>
<thead>
<tr>
<th>Mic</th>
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<th>List Price</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>M99</td>
<td>studio dynamic neodymium mic</td>
<td>$798.00</td>
<td>$636.00</td>
</tr>
</tbody>
</table>

**Electro-Voice**

**RE27ND**

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.

<table>
<thead>
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<th>Mic</th>
<th>Description</th>
<th>List Price</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE27ND</td>
<td>studio dynamic neodymium mic</td>
<td>$840.00</td>
<td>$736.00</td>
</tr>
</tbody>
</table>

**Neumann**

**TLM193**

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

<table>
<thead>
<tr>
<th>Mic</th>
<th>Description</th>
<th>List Price</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLM193</td>
<td>single-pattern studio condenser mic</td>
<td>$1,945.00</td>
<td>$1,101.00</td>
</tr>
</tbody>
</table>

**Neumann**

**U87AI**

Type: large-diaphragm condenser. Pickup Patterns: 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.

<table>
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<tr>
<th>Mic</th>
<th>Description</th>
<th>List Price</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>U87AI</td>
<td>multi-pattern studio condenser mic</td>
<td>$2,825.00</td>
<td>$2,273.00</td>
</tr>
</tbody>
</table>

**Marshall**

**MXL2001P**

Here's an ideal mic for projects demanding world-class sound at an affordable price. The large capsule (1") gold-sputtered diaphragm condenser adds tremendous clarity, presence and detail to your vocals. Cardioid pick-up pattern and bass cut. Optional shock mount available.

<table>
<thead>
<tr>
<th>Mic</th>
<th>Description</th>
<th>List Price</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MXL2001P</td>
<td>studio condenser mic</td>
<td>$199.95</td>
<td>$180.00</td>
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<tr>
<td>MXL56</td>
<td>shock mount for Marshall MXL2001</td>
<td>$49.95</td>
<td>$33.00</td>
</tr>
</tbody>
</table>

**Marshall**

**MXL2003**

The MXL2003 cardioid condenser is intended for the most critical recording applications where tremendous clarity, presence and detail are required. Its 1.06" capsule is coupled through an electromagnetic screen to a FET preamp with a wideband transformerless output. It also comes complete with a high isolation shockmount (MXL56).

<table>
<thead>
<tr>
<th>Mic</th>
<th>Description</th>
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<tr>
<td>MXL2003</td>
<td>studio condenser mic</td>
<td>$300.00</td>
<td>$300.00</td>
</tr>
</tbody>
</table>

**Avlex**

**AVS80**

Looking for a wonderful large diaphragm microphone at an affordable price? The Avlex AVS80 cardioid condenser studio microphone has a switchable -10 dB pad and external bass roll-off. Plus it includes an AVS80SHM spider shock mount free. Order today!

<table>
<thead>
<tr>
<th>Mic</th>
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<th>List Price</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVS80</td>
<td>studio condenser mic</td>
<td>$273.98</td>
<td>$180.00</td>
</tr>
</tbody>
</table>

**Sound Microphones**

CLASSIC Broadcast Mic

**Neumann**

**TLM103**

TLM103 is an ideal large diaphragm mic for professional applications requiring superb sound quality on a limited budget. By utilizing the tried and true transformerless circuit found in numerous Neumann microphones, the TLM103 offers low self-noise (7 dBA) and the highest sound pressure level transmission. This condenser mic features a cardioid pickup pattern and includes a swivel mount. A wooden box is also included. Optional Accessories: EA103 spider shock mount; WS87 windscreen.

<table>
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<tbody>
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<td>TLM103</td>
<td>studio condenser mic</td>
<td>$995.00</td>
<td>$840.00</td>
</tr>
</tbody>
</table>

**Neumann**

**TLM193**

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

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**Neumann**

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</table>

**BSW Carries Many More Microphones**

Call Us Today
Carefully interwoven technologies.
Like no other microphone you've ever used.
The KSM44 multi-pattern studio condenser captures the essence of sound. Three polar patterns and an externally biased dual-diaphragm design let you record any situation with incredibly low self-noise (7 dB). Once you listen with the KSM44, you'll discover a uniqueness that makes recordings stick. To join the growing number of KSM44 enthusiasts, call 1-800-423-8434 or visit www.shure.com.
**Studio Microphones**

**RÖDE**

**NT1**
Type: large diaphragm condenser. Pickup Pattern: cardioid. Features: low noise transformerless FET circuitry; gold-plated diaphragm membranes; pop filter; voice-tailored low-cut filter; passive equalization; high pass filter; -10 dB pad; frequency response 20-20,000 Hz. Optional Accessories: SM1 shock mount; windscreen; aluminum flight case.

NT1 
Mfr. List $349.00 
ONLY $194.00

**RÖDE**

**NT2**
Type: large diaphragm condenser. Pickup Pattern(s): omnidirectional and cardioid. Features: gold-plated diaphragm membranes; high-pass filter; -10 dB pad; frequency response 20-20,000 Hz. Optional Accessories: SM1 shock mount; windscreen; aluminum flight case.

NT2 
Mfr. List $349.00 
ONLY $379.00

**RÖDE**

**NTB**
Type: large diaphragm condenser. Pickup Pattern: cardioid. Features: gold-plated Mylar diaphragm; extremely accurate reproduction; extremely low self-noise (7 dB). Developed in cooperation with on-air personalities and broadcast engineers to meet the needs of studio recording. Features: dual 1-inch, externally biased, 2.5 micron, gold-layered Mylar diaphragms; Class A, discrete, transformerless preamplifier for transparency, fast transient response and no crossover distortion; full-range frequency response (20 Hz – 20 kHz) for an extremely accurate reproduction of voice and instruments; extremely low self-noise (7 dB); subsonic filter eliminates rumble from mechanical vibration below 17 Hz; 15 dB attenuation switch for handling high input SPL sound sources; 3-position switchable low-frequency filter virtually eliminates unwanted background noise and controls proximity effect; integrated three-stage pop protection grille; an internal shock mount; includes shock mount; rugged stainless steel body.

NTB 
Mfr. List $599.00 
ONLY $455.00

**RÖDE**

**NTV**
Type: large diaphragm condenser mic. Pickup Pattern: cardioid. Features: capsule design is a true externally biased condenser with 1"-6-micron, 24K gold-plated Mylar diaphragm; extremely high-grade twin triode valve pre-amplifier; voice-tailored low-cut filter; pop filter; internally shock-mounted capsule; rugged stainless steel body; includes shock mount; basic stand mount adaptor and aluminum carrying case.

NTV 
Mfr. List $1,199.00 
ONLY $758.00

**RODE**

**MD421**
This classic dynamic microphone offers warm reproduction of lows and outstanding high-end with a frequency response of 30 Hz to 17 kHz. Besides the very rugged Sennheiser construction, the MD421 features a five-position bass roll-off switch and cardioid pickup pattern. Right now, BSW is including the MZS421 suspension shock mount with your purchase. A stand clamp is also included.

MD421 
Mfr. List $485.00 
ONLY $299.95

**SENHEISER**

**MD421II**
This classic dynamic microphone offers warm reproduction of lows and outstanding high-end with a frequency response of 30 Hz to 17 kHz. Besides the very rugged Sennheiser construction, the MD421 features a five-position bass roll-off switch and cardioid pickup pattern. Right now, BSW is including the MZS421 suspension shock mount with your purchase. A stand clamp is also included.

MD421II 
Mfr. List $485.00 
ONLY $299.95

**SHURE**

**KSM44/KSM32**
The new KSM44 is a multiple pattern (cardioid, omnidirectional, bidirectional), externally biased, dual large diaphragm condenser microphone with extremely low self-noise (7 dB). Developed to meet the needs of studio recording musicians; the warm, rich sound of the KSM44 delivers exceptional performance, tailored to deliver vivid reproduction of voice for the most critical recordings. Features: dual 1-inch, externally biased, ultra-thin, 2.5 micron, gold-layered Mylar diaphragms; Class A, discrete, transformerless preamplifier for transparency, fast transient response and no crossover distortion; full-range frequency response (20 Hz – 20 kHz) for an extremely accurate reproduction of voice and instruments; extremely low self-noise (7 dB); subsonic filter eliminates rumble from mechanical vibration below 17 Hz; 15 dB attenuation switch for handling high input SPL sound sources; 3-position switchable low-frequency filter virtually eliminates unwanted background noise and controls proximity effect; integrated three-stage pop protection grille; an internal shock mount; includes shock mount; rugged stainless steel body.

KSM44/KSM32 
Mfr. List $1,029.00 
ONLY $588.00

**SHURE**

**SM7A**
An all-time favorite, the Shure SM7A dynamic cardioid microphone is known for its warm sound and unpronounced proximity effect. Features: classic cardioid polar pattern, uniform with frequency and symmetrical about axis, to provide maximum rejection and minimum coloration of off-axis sound; flat, wide-range frequency response for exceptionally clean and natural reproduction of both music and speech; bass rolloff and mid-range emphasis (presence boost) controls with graphic display of response setting; improved rejection of electromagnetic hum, optimized for shielding against broadband interference emitted by computer monitors; internal "air suspension" shock isolation virtually eliminates mechanical noise; highly effective pop filter eliminates need for any add-on protection against explosive breath sounds, even for close-up vocals or narration; rugged construction.

SM7A 
Mfr. List $599.00 
ONLY $299.00

**SOUND DELUXE**

**R-1**
When Sound Deluxe set out to design this latest edition of their well known FET condenser mic, they worked in cooperation with on-air personalities and broadcast engineers to create a sound just for radio. The affordable R-1 offers the rich, clear and articulate voice reproduction broadcasters require. And its low self-noise ensures compatibility with today's digital recording and delivery systems. Features: 1" diaphragm; transformerless FET circuitry; frequency range 20 Hz to 18 kHz; dynamic range 126 dB; internal pop filter; wooden box; optional doughnut and spider shockmounts.

R-1 
Mfr. List $59.00 
ONLY $50.00

DS 
Mfr. List $59.00 
ONLY $50.00

SPIDER 
Mfr. List $250.00 
ONLY $195.00

**SHURE**

**SM7A**
An all-time favorite, the Shure SM7A dynamic cardioid microphone is known for its warm sound and unpronounced proximity effect. Features: classic cardioid polar pattern, uniform with frequency and symmetrical about axis, to provide maximum rejection and minimum coloration of off-axis sound; flat, wide-range frequency response for exceptionally clean and natural reproduction of both music and speech; bass rolloff and mid-range emphasis (presence boost) controls with graphic display of response setting; improved rejection of electromagnetic hum, optimized for shielding against broadband interference emitted by computer monitors; internal "air suspension" shock isolation virtually eliminates mechanical noise; highly effective pop filter eliminates need for any add-on protection against explosive breath sounds, even for close-up vocals or narration; rugged construction.

SM7A 
Mfr. List $599.00 
ONLY $299.00

*Non-inventory item subject to return restrictions.*

**MICROPHONES**

**SHURE**

**SM7A**
An all-time favorite, the Shure SM7A dynamic cardioid microphone is known for its warm sound and unpronounced proximity effect. Features: classic cardioid polar pattern, uniform with frequency and symmetrical about axis, to provide maximum rejection and minimum coloration of off-axis sound; flat, wide-range frequency response for exceptionally clean and natural reproduction of both music and speech; bass rolloff and mid-range emphasis (presence boost) controls with graphic display of response setting; improved rejection of electromagnetic hum, optimized for shielding against broadband interference emitted by computer monitors; internal "air suspension" shock isolation virtually eliminates mechanical noise; highly effective pop filter eliminates need for any add-on protection against explosive breath sounds, even for close-up vocals or narration; rugged construction.

SM7A 
Mfr. List $599.00 
ONLY $299.00
For announcing sports or news, Sennheiser is the first choice. The industry standard MD 421 II is an extremely versatile microphone whose high SPL makes it appropriate for a wide variety of applications. The ME 66/K 6 short shotgun mic provides great attenuation of side and rear sounds, making it an ideal choice for high ambient noise applications. For ENG use, Sennheiser’s amazing ew 100 Series is simply the most affordable way to get professional caliber UHF wireless.

ME 66/K 6
Classic Sennheiser shotgun mic sound with unprecedented "reach" characteristics.
Features:
- Extremely high sensitivity
- Very low self-noise and smooth frequency response
- Powered by AA battery or 12-48 volt phantom power

MD 421 II
An ongoing classic, this mic is fast, open and transparent.
Features:
- Cardioid polar pattern
- 5-position roll-off switch
- Two bass resonating tubes for exceptional low-frequency response

ew 100
The absolute best way to go wireless without compromising sound and durability.
Features:
- 1,280 switchable frequencies
- True diversity receiver for stable, high-quality transmission
- Metal construction for extreme durability
- Variable-level 1/4" TRS balanced connectors

AUDIO TECHNICA
AT804
Type: dynamic. Pickup Pattern: omnidirectional. Features: excellent interview mic; super rugged construction; frequency response 50 Hz to 15 kHz; includes stand clamp and carrying bag. Optional Accessories: WS600 series windscreen; M10 mic cable; IC6 interview cable (XLR/mini).

BEYERDYNAMIC
M01
Type: dynamic. Pickup Pattern: super-cardioid. 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.

OM6/OM5
OM6 Type: dynamic. Pickup Pattern: hyper-cardioid. Features: designed for voice; high output with natural, undistorted sound; extended low end response; high SPL levels without distortion; very low handling noise; superior off-axis rejection. Optional Accessories: WS900 series windscreen; M25 cable.
OM5 is lower price, but lacks some of the extended low end response of the Audix OM6.

BEYERDYNAMIC
MCE58/M58
The Beyer MCE58 omnidirectional condenser mic has an internal shock mount to dramatically reduce handling noise and offers very accurate voice reproduction. Frequency response is 40 Hz to 20 kHz. It also has an on/off switch (great for DAT and MD recording) and includes windscreen and case. M58 is the popular handheld dynamic version without on/off switch.

ELECTRO-VOICE
635A
Electro-Voice's popular dynamic interview mic features an omnidirectional pickup pattern, voice-tailored response and extra rugged metal construction at a price that’ll make you smile. Includes stand clamp and unterminated cable.

N/D267A / N/D767A
N/D267 Type: dynamic. Pickup Pattern: cardioid. Features: large diaphragm for extended frequency response; tuned for vocal clarity; multistage shock mount for very low handling noise; includes stand clamp and soft carry bag. N/D767A adds a bass roll-off switch and a gentle rise in mid-frequencies.
Handheld Microphones

**ELECTRO-VOICE**

**RE16**

If you're looking for a quality mic for precise pickup and fine audio reproduction, try the RE16. The supercardioid model features wide, flat response with minimal off-axis coloration. Type: dynamic. Pickup Pattern: super-cardioid. Features: frequency response 80 Hz to 15 kHz; includes stand clamp. Optional Accessories: WS300 series windscreens.

**RE16**

handheld dynamic microphone

Mfr. List $334.00  
ONLY $220.00

---

**ELECTRO-VOICE**

**RE50B/RE50DB**


**RE50B**

handheld dynamic mic

Mfr. List $256.00  
ONLY $169.00

**RE50DB**

handheld dynamic neodymium mic

Mfr. List $280.00  
ONLY $185.00

---

**SHURE**

**SM57**

The classic SM57's carefully contoured frequency means rich, warm vocal pickup and clean, well defined instrumental reproduction. It's especially popular as an affordable dynamic podium mic. Choose it for your next press conference or speaking engagement. Pickup Pattern: cardioid. Features: rugged construction; frequency response 40 to 15,000 Hz; includes stand clamp and protective vinyl pouch. Optional Accessories: WS5700 series windscreens; M25 mic cable.

**56157LC**

handheld dynamic microphone

Mfr. List $146.00  
ONLY $79.00

---

**SHURE**

**SM58**

This popular and affordable handheld mic is just what you need for remote events, music gigs or speaking engagements. It features a cardioid pick-up pattern, distinctive vocal presence peak and integral windscreens. Type: dynamic. Features: includes stand clamp and case; Optional Accessories: WS900 series windscreens; M25 mic cable.

**SM58LC**

handheld dynamic microphone

Mfr. List $188.00  
ONLY $103.00

---

**SHURE**

**SM58LC**

If you’re looking for a quality mic for precise pickup and fine audio reproduction, try the RE16. The supercardioid model features wide, flat response with minimal off-axis coloration. Type: dynamic. Pickup Pattern: super-cardioid. Features: frequency response 80 Hz to 15 kHz; includes stand clamp. Optional Accessories: WS300 series windscreens.

**RE16**

handheld dynamic microphone

Mfr. List $334.00  
ONLY $220.00

---

**ELECTRO-VOICE**

**RE50B/RE50DB**


**RE50B**

handheld dynamic mic

Mfr. List $256.00  
ONLY $169.00

**RE50DB**

handheld dynamic neodymium mic

Mfr. List $280.00  
ONLY $185.00

---

**SHURE**

**BETA58A**

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 windscreens; M25 mic cable.

**BETA58A**

handheld dynamic microphone

Mfr. List $288.85  
ONLY $159.00

---

**SHURE**

**BETA87A**

Type: condenser. Pickup Pattern: super-cardioid. Features: studio quality sound for live vocals; excellent gain-before-feedback; sleek body design is perfect for handheld use; 3-stage pop filter; requires phantom power. Optional Accessories: WS900 series windscreens.

**BETA87A**

handheld condenser microphone

Mfr. List $445.06  
ONLY $249.00

---

**SHURE**

**BETA87A**

Type: condenser. Pickup Pattern: super-cardioid. Features: studio quality sound for live vocals; excellent gain-before-feedback; sleek body design is perfect for handheld use; 3-stage pop filter; requires phantom power. Optional Accessories: WS900 series windscreens.

**BETA87A**

handheld condenser microphone

Mfr. List $445.06  
ONLY $249.00

---

**BEYERDYNAMIC**

**MC837PV**

Beyer's popular shotguns include the 20-inch long MC837PV hypercardioid/lobe condenser with very wide frequency response and 12 dB attenuation switch. Features: low self noise; superb off-axis noise rejection; phantom power supply.

**MC837PV**

long shotgun microphone

Mfr. List $1,479.00  
ONLY $1,184.00

---

**BEYERDYNAMIC**

**MCE865.1**

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 windscreens and various shockmounts, battery/phantom/XLR. Call for prices today.

**MCE865.1**

shotgun microphone

Mfr. List $529.00  
ONLY $424.00

---

*Non-inventory item subject to return restrictions.*
Be careful what you ask for...

YOU JUST GOT IT!

Two new stereo shotguns from Audio-Technica

Developed at the request of broadcasters for reasonably priced, easy to handle, compact M-S stereo shotguns.

Self-contained, simple operation and light weight provide unequalled mounting versatility.

Two internally-matrixed left/right stereo modes and a non-matrixed M-S mode are switch-selectable.

Proven performance in demanding sports and field applications.

The AT815ST and AT835ST provide broadcasters, videographers and sound recordists with two new tools for stereo audio acquisition.

To get more information, just ask! Call BSW at 1-800-426-8434. Or visit our Web site at www.audio-technica.com.
**SENHHIESE**

**ME66**
The Sennheiser ME66 supercardioid condenser shotgun mic features extremely high sensitivity, low self-noise and high-frequency boost for greater clarity on long range pickup. BSW also has all the accessories you need so you can completely outfit your mic. Call today for prices. Options: K6 power supply (required); blimp windscreen; shockmount; pistol grip.

<table>
<thead>
<tr>
<th>Model</th>
<th>Microphone</th>
<th>Mfr. List</th>
<th>Special Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME66</td>
<td>short shotgun microphone</td>
<td>$250.00</td>
<td>ONLY $194.00</td>
</tr>
<tr>
<td>K6</td>
<td>powering module for k6 series</td>
<td>$285.00</td>
<td>ONLY $379.00</td>
</tr>
</tbody>
</table>

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**SENNHEISER**

**MKH70/MKH60**
The MKH70P48 is Sennheiser's long 16-inch shotgun with lobar pickup. High-end features include switchable treble emphasis, switchable roll-off filter, infrasonic cut-off and ultra-low inherent self-noise. MKH60 is the shorter 11-inch shotgun with both supercardioid and lobar pickup patterns. Optional Accessories: phantom power supplies, windscreen; shockmount; pistol grip.

<table>
<thead>
<tr>
<th>Model</th>
<th>Microphone</th>
<th>Mfr. List</th>
<th>Special Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKH70P48</td>
<td>microphone</td>
<td>$1,850.00</td>
<td>ONLY $1,280.00</td>
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<tr>
<td>MKH60P48</td>
<td>short shotgun microphone</td>
<td>$1,860.00</td>
<td>ONLY $1,500.00</td>
</tr>
</tbody>
</table>

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**SHURE**

**VP88**
Type: condenser. Pickup Pattern: 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Microphone</th>
<th>Mfr. List</th>
<th>Special Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>VP88</td>
<td>stereo condenser mic</td>
<td>$1,217.88</td>
<td>ONLY $682.00</td>
</tr>
</tbody>
</table>

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**ELECTRO-VOICE**

**ENG618**
This professional boom mic extends to 6 feet and is easy to hold (and it's extremely lightweight, only 2 lbs!). It's also highly directional and offers coverage from 18 inches to 25 feet. The Electro-Voice condenser microphone can be phantom or battery powered. The unit also offers a built-in headphone amp with adjustable gain. Type: condenser. Pickup Pattern: hypercardioid.

<table>
<thead>
<tr>
<th>Model</th>
<th>Microphone</th>
<th>Mfr. List</th>
<th>Special Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG618</td>
<td>boom microphone</td>
<td>$1,534.00</td>
<td>ONLY $1,010.00</td>
</tr>
</tbody>
</table>

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**AUDIO TECHNICA**

**AT895RK**
The AT895 system incorporates a revolutionary DSP-controlled 5-element microphone array that provides adaptive directional audio acquisition. It manipulates and filters the output of the array by acoustical, analog and digital means. This process enhances the pickup of sound from a desired direction relative to unwanted background noise, providing cancellation of up to 80 dB. It's perfect for handheld interviews as well as long-range pickup. The AT895RK package includes microphone; 6-conductor shielded cable (10') with XLR7F connectors; carrying case; zeppelin-type windscreen; pistol-grip shock-mount; click-on battery holder; AT895CP control pack. Call today on this microphone package.

<table>
<thead>
<tr>
<th>Model</th>
<th>Microphone</th>
<th>Mfr. List</th>
<th>Special Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT895RK</td>
<td>adaptive array microphone</td>
<td>$2,995.00</td>
<td>ONLY $2,696.00</td>
</tr>
</tbody>
</table>

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**AUDIO TECHNICA/ ELECTRO-VOICE/SENNHEISER**

**LAVALIER MICROPHONES**
These three extremely small lapel mics are used throughout the broadcast industry. The Audio Technica AT8038 condenser omni lavalier offers high intelligibility for vocal reproduction at low cost. The Electro-Voice RE90L is a popular condenser omni with 50 to 18,000 Hz frequency range. The Sennheiser MKE2-60/K6 condenser omni comes with a permanently attached steel reinforced cable and XLR connector for phantom power. The Sennheiser K6 power supply is included.

<table>
<thead>
<tr>
<th>Model</th>
<th>Microphone</th>
<th>Mfr. List</th>
<th>Special Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT8038</td>
<td>lavalier microphone</td>
<td>$190.00</td>
<td>ONLY $132.00</td>
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<tr>
<td>*RE90L</td>
<td>lavalier microphone</td>
<td>$242.00</td>
<td>ONLY $160.00</td>
</tr>
<tr>
<td>*MKE2-60/K6</td>
<td>lavalier mic system with power supply</td>
<td>$647.00</td>
<td>ONLY $455.00</td>
</tr>
</tbody>
</table>

* Non-inventory item subject to return restrictions.
**AKG**

**WMS80/880**

This frequency agile UHF wireless system from AKG uses 4 broadcast frequency sets corresponding to television channels $4, 5, 58$, and $59$ each with 15 selectable frequencies. Features: adjustable operating frequency, adjustable output level, adjustable squelch; transmitter with $10 \text{ mW}$ output power; battery status indicator.

*MFR. LIST $562.00*

**UHF wireless system**

ONLY $449.00

**AUDIO TECHNICA**

**7000 SERIES**

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; 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.

**ATW-7376** includes receiver and handheld mic/transmitter featuring a dynamic element with internal shock mounting.

**ATW-7375** includes receiver and bodypack transmitter.

**ATW7376**

MFR. LIST $955.00

**UHF handheld wireless mic system**

ONLY $575.00

**ATW7375**

MFR. LIST $975.00

**UHF bodypack wireless mic system**

ONLY $563.00

**AUDIO TECHNICA**

**1100 SERIES**

The Audio Technica ATW1128 is a cost-effective wireless mic system with performance matching many higher-priced systems. Features: true diversity reception with two independent RF sections for greatest reliability; choice of 20 VHF frequencies for minimum interference; adjustable squelch control and dual power settings for extended range or extended battery life; dynamic handheld microphone; rugged metal receiver chassis.

**ATW1128**

MFR. LIST $454.00

**VHF handheld wireless mic system**

ONLY $317.00

**ATW1127**

MFR. LIST $479.00

**VHF bodypack wireless mic system**

ONLY $277.00

**SHURE**

**LX SERIES**

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. Choose from handheld or bodypack transmitter systems.

**LX14/83**

MFR. LIST $768.00

wireless lavalier mic system

ONLY $579.00

**LX24/58**

MFR. LIST $852.00

handheld wireless mic system

ONLY $649.00

**SHURE**

**SC SERIES**

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**

MFR. LIST $1,089.36

VHF handheld wireless mic system

ONLY $799.00

**SC14/83**

MFR. LIST $985.32

VHF bodypack wireless mic system

ONLY $729.00

**VEGA**

**U2020H267**

Vega's trusted U2020 wireless system offers maximum frequency agility at an affordable price. Features: 100-channel UHF system with 380 available frequencies; 50 mW of transmitter output power with a range of 1000 feet; low battery and overload LED's; Electro-Voice N/D267 element on handheld transmitter.

**U2020H267**

MFR. LIST $1,874.00

UHF handheld wireless mic system

ONLY $918.00

*Non-inventory item subject to return restrictions.*

**SENNHEISER**

**EVOLUTION SERIES**

These new UHF wireless systems from Sennheiser bring you professional performance and handling you want at a package price broadcasters can afford. The Evolution 300 series is an economical mid-range system with modular parts for expandability (we also carry the higher end 500 series, and the entry level 100 series if you desire). The rack mount receiver has Sennheiser's proprietary noise-suppressing HDX compander technology for crystal clear sound that rivals wired microphones. It also uses dual receiver circuits for the best possible interference-free reception. Features: switchable UHF frequency technology; 8 frequency presets; long transmission range; peak-hold LED display; transmitter with battery level indicator; balanced XLR audio outputs on the receiver; rugged construction.

**The EW345 system includes a handheld dynamic microphone and rack mount receiver.**

**The EW312 system includes an omnidirectional lavalier mic, bodypack transmitter and rack mount receiver.**

**EW345**

MFR. LIST $1,300.00

UHF handheld wireless mic system

ONLY $779.99

**EW312**

MFR. LIST $1,235.00

UHF bodypack wireless mic system

ONLY $739.99

**2000 SERIES**

Sennheiser 2000 series uses 4 broadcast frequency sets corresponding to television channels $4, 5, 58$, and $59$ each with 15 selectable frequencies. Features: adjustable operating frequency, adjustable output level, adjustable squelch; transmitter with $10 \text{ mW}$ output power; battery status indicator.

*MFR. LIST $479.00*

**UHF wireless system**

ONLY $277.00

**2000 SERIES**

Sennheiser 2000 series uses 4 broadcast frequency sets corresponding to television channels $4, 5, 58$, and $59$ each with 15 selectable frequencies. Features: adjustable operating frequency, adjustable output level, adjustable squelch; transmitter with $10 \text{ mW}$ output power; battery status indicator.

*MFR. LIST $479.00*

**UHF wireless system**

ONLY $277.00

**3000 SERIES**

Sennheiser 3000 series uses 4 broadcast frequency sets corresponding to television channels $4, 5, 58$, and $59$ each with 15 selectable frequencies. Features: adjustable operating frequency, adjustable output level, adjustable squelch; transmitter with $10 \text{ mW}$ output power; battery status indicator.

*MFR. LIST $554.90*

**UHF wireless system**

ONLY $317.00

**4000 SERIES**

Sennheiser 4000 series uses 4 broadcast frequency sets corresponding to television channels $4, 5, 58$, and $59$ each with 15 selectable frequencies. Features: adjustable operating frequency, adjustable output level, adjustable squelch; transmitter with $10 \text{ mW}$ output power; battery status indicator.

*MFR. LIST $597.50*

**UHF wireless system**

ONLY $317.00

**5000 SERIES**

Sennheiser 5000 series uses 4 broadcast frequency sets corresponding to television channels $4, 5, 58$, and $59$ each with 15 selectable frequencies. Features: adjustable operating frequency, adjustable output level, adjustable squelch; transmitter with $10 \text{ mW}$ output power; battery status indicator.

*MFR. LIST $514.17*

**UHF wireless system**

ONLY $317.00

**6000 SERIES**

Sennheiser 6000 series uses 4 broadcast frequency sets corresponding to television channels $4, 5, 58$, and $59$ each with 15 selectable frequencies. Features: adjustable operating frequency, adjustable output level, adjustable squelch; transmitter with $10 \text{ mW}$ output power; battery status indicator.

*MFR. LIST $51,417.80*

**UHF wireless system**

ONLY $317.00

**7000 SERIES**

Sennheiser 7000 series offers 191 fully selectable, user-programmable frequencies per frequency band. The 1/2-rack space U4 receiver features diversity technology for improved reception. Features: 50 mW transmitter; $508$ mic capsule; LED displays; adjustable squelch control; 2-band adjustable EQ; use up to 40 systems simultaneously.

**UC24/58**

MFR. LIST $1,417.80

UHF handheld wireless mic system

ONLY $999.00

**UC24/58**

MFR. LIST $1,417.80

UHF handheld wireless mic system

ONLY $999.00

**U2020H267**

MFR. LIST $1,874.00

UHF handheld wireless mic system

ONLY $918.00

**Wireless Microphones**

**800 • 426 • 8434**

www.bswusa.com

*Non-inventory item subject to return restrictions.*
SONY FREEDOM SERIES PACKAGES

Sony Freedom series offers 800 MHz UHF transmission quality with 94 selectable frequencies in the range from 794 to 806 MHz (specify frequency range); frequency-synthesis tuning to protect against unwanted interference by allowing instantaneous channel switching; space diversity reception for added protection against a weak signal and much more. We have two simple packages priced below, but you may also call us for other pieces in the series (it’s a very comprehensive system with multiple transmitter and receiver options).

*80544CAMPK  UHF bodypack wireless mic system
Mfr. List $1,300.00  ONLY $999.00

*808PKG  UHF plug-on wireless mic system
Mfr. List $1,609.00  ONLY $1,275.00

SONY FREEDOM SERIES COMPONENTS

Build your own wireless mic system with the Sony Freedom Series. The system offers 800 MHz UHF transmission quality with 94 selectable frequencies in the range from 794 to 806 MHz; frequency-synthesis tuning to protect against unwanted interference by allowing instantaneous channel switching; space diversity reception for added protection against a weak signal; comprehensive LCD displays and high-quality microphones. Choose from the professional vocal handheld microphone (WRT807A) or one of three lavaliere mic elements (ECM models numbers) with plug-on or beltpack transmitter (WRT805A or WRT805A). Then combine with the dual-antenna single channel receiver (WRU-806A) or for greater expandability, the 6-channel rack mount receiver (MBB06A) which requires a UHF synthesized tuner module (WRU-806A) for each microphone (one module included in price of MBB06A).

For television reporting, the system also features camera mount receivers. Call today for more information on this great system from Sony.

*WRT807A64  UHF hand wireless mic transmitter
Mfr. List $650.00

*WRT805A  UHF bodypack wireless transmitter
Mfr. List $495.00

*WRT808A64  UHF plug-on wireless transmitter
Mfr. List $638.00

*WRU802A  receiver
Mfr. List $870.00

ECM166BMP  cardioid lavaliere microphone
Mfr. List $137.00

*ECM448BMP  omni-directional wireless mic
Mfr. List $122.00

*ECM778BMP  omni-directional wireless mic
Mfr. List $380.00

*MBB06A  6-channel receiver chassis
Mfr. List $980.00

*WRU806A  synthesized tuner module
Mfr. List $520.00

*AN820A  powered UHF antenna with adaptor
Mfr. List $200.00

TELEX ENG-100

The Telex ENG-100 is designed to perform reliably under the harsh conditions of news gathering, but is also appropriate for event or corporate video, industrial and institutional applications. This rugged, compact receiver offers 100-channel frequency agility within the 668 to 746 MHz RF frequency range. Two integral antennas and a built-in Posi-Phase diversity system assure reception in the most difficult situations. The ENG-100 also features a headphone amp, an adjustable audio output control and is powered by 2 "AA" batteries. A variety of mounting options are available including Anton Bauer side and sandwich mount, NP-1 or BP-90 mount kits and a universal strap mount.

The LT-100 beltpack transmitter offers 100 tunable channels, selectable hi/low power output and adjustable microphone gain.

The SH-100 handheld transmitter can be ordered with a Telex cardioid electret mic element (CE8) or Audix cardioid dynamic mic element (OM3).

*MFR. ENG100  UHF portable wireless mic receiver
Mfr. List $553.00  ONLY $410.00

*LT100  UHF bodypack wireless mic transmitter
Mfr. List $547.00  ONLY $405.00

*SH100CE8  UHF handheld transmitter with telex mic
Mfr. List $564.00  ONLY $478.00

*SH100OM3  UHF handheld transmitter with audix mic
Mfr. List $683.00  ONLY $506.00

MIDDLE ATLANTIC G55

The G55 is 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.

G55  mic pop stopper
Mfr. List $27.00  ONLY $17.00
POPPLESS

VAC SERIES

VAC™ is an adjustable pop filter for upgrading the quality of your vocals. The VAC system goes between the vocalist and the microphone, functioning as a variable acoustic compressor, filtering out popping and sibilance. It consists of two acoustic screens with a ball and socket precision positioning system that mounts on a gooseneck or at the end of a mic stand. You control the amount pop and sibilance filtering by using just one screen or adding the second screen and adjusting the distance between them.

VAC3.5
Mfr. List $36.00
ONLY $28.00

VAC3.5C
Mfr. List $59.00
ONLY $45.00

VAC6
Mfr. List $36.00
ONLY $28.00

VAC6C
Mfr. List $59.00
ONLY $45.00

VACRE20

The VAC-RE20 model is specifically designed to attach to the Electro Voice RE20 Microphone and its 309/A shock mount (one of the radio broadcast industry standard setups.) Simply unscrew one of the thumbscrews on either side of the shock mount, install the VAC-RE20 and put the screw back. The VAC-RE20 tracks the microphone as it is moved. Each DJ can have their own set of screens and "pop" them in for their air time, especially helpful during flu season.

VACRE20
Mfr. List $46.00
ONLY $31.00

POPPLESS

VACRE20

The VAC-RE20 model is specifically designed to attach to the Electro Voice RE20 Microphone and its 309/A shock mount (one of the radio broadcast industry standard setups.) Simply unscrew one of the thumbscrews on either side of the shock mount, install the VAC-RE20 and put the screw back. The VAC-RE20 tracks the microphone as it is moved. Each DJ can have their own set of screens and "pop" them in for their air time, especially helpful during flu season.

VACRE20
Mfr. List $46.00
ONLY $31.00

PROCO

MS42A
4 channels with single female XLR input and 2 isolated XLR male outputs. Output ground lift switches.

MS42A
Mfr. List $333.00
ONLY $232.00

MC2
2 female XLR ins, 1 male XLR out with input polarity reverse switch.

MC2
Mfr. List $123.00
ONLY $85.00

STAMC3
STAMC3 is an active mic combiner. STAMPA2 is a phantom power supply.

STAMC3
Mfr. List $117.00
ONLY $96.00

STAMPA2
Mfr. List $85.00
ONLY $69.00

ROLLOn

PB23/PB24

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

PB23
Mfr. List $60.00
phantom power supply
ONLY $43.00

PB24
Mfr. List $100.00
phantom power supply
ONLY $72.00

ULTRALIFE

U9VL-FP

Ultralife lithium batteries offer superior performance and last up to 4 times longer than alkaline 9-volt batteries. Make sure you pack them in all your remote equipment.

U9VL-FP
Battery Ultralife Lithium
ONLY $7.99

ROLLSWHIRLWIND

LITTLEIMP

Little Imp from Whirlwind allows you to use professional-level microphones with consumer-level inputs (XLR low-Z input to 1/4" high-Z output). Order one or more today.

LITTLEIMP
Mfr. List $20.00
impedance matcher
ONLY $10.00

MICPOWER

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

MICPOWER
Mfr. List $120.00
portable phantom power supply
ONLY $80.00

SPLITTER1X2/SPLITTER1X3

One low impedance XLR input to two low impedance XLR, transformer-isolated outputs with separate ground lifts.

SPLITTER1X2
Mfr. List $100.00
1 in 2 out microphone splitter
ONLY $67.00

SPLITTER1X3
Mfr. List $120.00
1 in 3 out microphone splitter
ONLY $78.00

* Non-inventory item subject to return restrictions.
Microphone Accessories

**PROCO**

A. BSWMC24
- Coiled black cable for interviews. 2.5' long retracted; extends to over 10'.
  - Mfr. List $40.00
  - ONLY $39.00

B. IC6
- Mic adapter cable for some portable recorders. Please call for models.
  - Mfr. List $25.00
  - ONLY $9.00

C. M10/M25
- Quality, low-loss mic cable in 10' or 25' lengths. XLR connectors at both ends.
  - M10 10' XLR mic cable
    - Mfr. List $20.00
    - ONLY $11.00
  - M25 25' XLR mic cable
    - Mfr. List $23.00
    - ONLY $13.00

D. ME-15/ME-25
- Quite possibly the finest microphone cable we carry. Merlin by Proco is Kevlar reinforced for unmatched strength and dependability. Custom Neutrik XLR connectors feature stainless steel housing with gold contacts and color-coded rings.
  - ME-15 15' XLR mic cable
    - Mfr. List $62.50
    - ONLY $42.00
  - ME-25 25' XLR mic cable
    - Mfr. List $77.50
    - ONLY $52.00

**REELCABLE**

E. RC25/RC-18S
- Reelcable puts quick, easy and efficient cable management at your fingertips. Their self-extracting cord reels with ratchet-action and an adjustable cord stop puts an end to awkwardly hanging cables. The RC-25 is a 25-ft. retractable XLR cable. The RC-18S is an 18 ft. multi-cable snake (2 XLRs and 1 headphone jack) with breakaway connectors, perfect for the ENG technician on the move.
  - RC25 retractable 25' XLR mic cable
    - Mfr. List $140.00
    - ONLY $130.00
  - RC-18S retractable 18' XLR mic (x2)/headphone cable
    - Mfr. List $299.00
    - ONLY $277.00

**WINDTECH**

- Heavy duty mic clips. Adjustable angle; brass insert with 5/8"-27 threads.
  - MC11 black slim-style mic clip for slim mics (.8" to 1" in diameter).
    - Mfr. List $5.00
    - ONLY $5.00
  - MC6 standard tapered, slip-in clip fits most handheld mics
    - Mfr. List $4.00
    - ONLY $4.00
  - MC9 slip-in, heavy duty mic clip with rubber insulator.
    - Mfr. List $5.00
    - ONLY $5.00
  - SMC7 spring clamp type clip fits a wide variety of mics
    - Mfr. List $5.00
    - ONLY $5.00

**AKG**

J. KM231/1
- This portable tabletop tripod mic stand is lightweight and collapses to fit easily into any equipment bag or briefcase. Take at least one on every remote.
  - KM231/1 desktop microphone stand
    - Mfr. List $19.00
    - ONLY $11.00

**ATLAS**

K. DMS7E
- Features an oversized 10" cast iron base providing maximum stability for larger studio mics and boom attachments. Adjustable height 8"-13".
  - DMS7E desktop microphone stand
    - Mfr. List $43.00
    - ONLY $25.00

L. DS2
- Non-adjustable 3" high chrome tube. Non-reflective 4"x 6" charcoal base.
  - DS2 desktop microphone stand
    - Mfr. List $47.00
    - ONLY $27.00

M. DS5
- Non-adjustable 4" high chrome tube. 6" diameter cast iron charcoal base.
  - DS5 desktop microphone stand
    - Mfr. List $52.00
    - ONLY $48.00

N. D57
- This quality Atlas adjustable mic stand reaches from 8" to 13" for easy speaking without unnecessary or awkward crouching, and sits on a sturdy 6" diameter base. Grip-action clutch easily secures height adjustment. Order today.
  - D57 desktop microphone stand
    - Mfr. List $60.00
    - ONLY $50.00

**QUIKLOK**

O. A114
- Heavyweight base and pivot feature allow for optimum placement of even heavy studio mics. Adjustable from 16.5" to 23.5".
  - A114 desktop microphone stand
    - Mfr. List $60.00
    - ONLY $50.00

**LUXO**

P. LUXO SERIES

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. Please specify color when ordering.

LM1 mic boom holds 1 lb.
  - Mfr. List $100.00
  - ONLY $67.00

LM1-3 heavy duty mic boom holds 3 lbs.
  - Mfr. List $100.00
  - ONLY $67.00

LM2 26" reach mic boom holds 1 lb.
  - Mfr. List $100.00
  - ONLY $89.00

*Non-inventory item subject to return restrictions.*
**LUXO**

**Q. MIC BOOM MOUNTS**

Mounting options for the Luxo Series Microphone Booms include a clamp style (model A), a wall mount (model B), desktop mount (model C) or a 12" aluminum extension model pedestal (model RISER not shown). Specify oyster, black, or when ordering, the RISER may also be provided unpainted.

**A.**
clamp/wise mount for Luxo LM mic booms
Mfr. List $14.00  
ONLY $12.00

**B.**
wall mount for Luxo LM mic booms
Mfr. List $14.00  
ONLY $12.00

**C.**
desk mount for Luxo LM mic booms
Mfr. List $14.00  
ONLY $12.00

**RISER**
mic boom extender
Mfr. List $24.95  
ONLY $20.00

**O.C. WHITE**

R. 51900
Top-quality 37" heavy-duty mic boom with 12" riser.
Mfr. List $160.00  
ONLY $109.00

**WIN TECH**

S. MPC10

The Windtech MPC10 allows mics to be mounted just about anywhere. Fits up to 1-1/4" round members or up to 1-1/2" flat surfaces. Mic threads rotate to 3 positions.

Mfr. List $14.00  
ONLY $13.00

**ATLAS**

T., U., V. AD11B/BC1/CH1B
AD11B is a 5/8"-27 female flange with 1 3/4" base diameter. Chrome or black.

BC1 is a bracket-style clamp with 6" chrome tube attaches to tables, countertops, furniture, etc. Use CH1B to hang coiled mic cables or headphones on mic stand.

**AD11B**
flanged adaptor
Mfr. List $8.00  
ONLY $5.00

**BC1**
bracket clamp
Mfr. List $32.00  
ONLY $19.00

**CH1B**
cable hanger
Mfr. List $20.00  
ONLY $13.00

**W. GN13/GN19/GN6**
Flexible gooseneck in 13" length with male and female 5/8"-27 threads. Chrome or black finish. Also available in 6" and 19" length.

**GN13**
gooseneck mic stand
Mfr. List $13.00  
ONLY $8.00

**GN19**
19" chrome gooseneck
Mfr. List $18.00  
ONLY $10.00

**GN6**
6" gooseneck mic stand
Mfr. List $9.00  
ONLY $6.00

**WIN TECH 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 the color you prefer.

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<tr>
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* Non-inventory item subject to return restrictions.
**Microphone Preamplifiers**

**APH EX**

**107**

**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.

**Max Gain:** Switchable 20 dB pad; Low cut filter; Phase of gain available and noise spec of -128 dBu worst case at unmatched performance; Hot and quiet with up to 64 dB attributes of both tube and solid state providing APHEX applications, yet it still retains extensive controls.

**INPUT:**
- Microphone preamp

**Mfr. List:** $499.00

**ONLY $315.00**

**ART**

**PRO MPA/DUAL MP 254**

**PRO MPA stereo tube mic preamp is ART's flagship vacuum tube preamp. Two hand-selected 12AX7A tube gain stages provide over 70 dB of superior tubs warmth and punch, monitored by full VU and tube character metering. Variable input, output and high pass filtering is augmented by switchable gain, phase reverse and phantom power. Features: frequency response 20 Hz to 40 kHz; dynamic range >100 dB; 20 dB pad; balanced XLR and unbalanced 1/4" I/O.**

**The streamlined DUAL MP features the same acclaimed tube sound of the PRO MPA. It's perfect for remote applications, yet it still retains extensive controls. Features: frequency response 10 Hz to 20 kHz; dynamic range >100 dB; 20 dB pad; variable input gain; phase reverse; phantom power; XLR and unbalanced 1/4" I/O.**

**+210ART**

**dual tube microphone preamp**

**Mfr. List:** $679.00

**ONLY $399.00**

**254**

**dual microphone preamp**

**Mfr. List:** $369.00

**ONLY $295.00**

**ART**

**TUBEMP**

This inexpensive tube mic pre is a great problem solver for the audio toolbox. It can also be used as an active direct box, or phantom power unit. Features: variable input gain, a 20 dB pad switch, phantom power, phase reverse and output level control.

**+TUBEMP**

**microphone preamp**

**Mfr. List:** $147.00

**ONLY $99.99**

**ATI**

**ML200**

The ATI ML200 is high-quality mic preamplification in a compact package. Features: flat frequency response; servo balanced line outputs (+22 dBm); front panel selection of phantom power (regulated +20VDC, optional 48VDC available); input/output peak flasher; independent front-panel gain controls. Power supply sold separately. Options: rack mount kit.

**ML200**

**dual microphone preamp**

**Mfr. List:** $299.00

**ONLY $277.00**

**WA100-1**

**power supply**

**Mfr. List:** $13.00

**CALL FOR BEST PRICE**

**BELLARI**

**RP520**

The RP520 is an excellent dual tube mic preamp. Features: utilizes 12AX7A tubes in a unique configuration to give smooth controllable gain with true transformer balanced inputs; gain and volume controls and 5-segment output level LEDs; analog metering for consistent sound creation; I/Os are selectable for mic or line levels and offer both balanced XLR and unbalanced 1/4" connections.

**RP520**

**dual tube microphone preamp**

**Mfr. List:** $600.00

**ONLY $515.00**

**BENCHMARK**

**MICMANJR**

The MicMan Jr. is a high-quality, low cost stereo microphone preamp system intended for portable as well as fixed installation. Its low noise and wide gain range make it ideal for portable situations where unknown sound pressure levels are expected. Features: stereo or dual preamp; internal battery and external AC power; up to 8 hours operation with alkaline batteries; front-panel gain controls and maximum gain limit trim; LED power indicator; balanced XLR I/Os.

**MICMANJR**

**microphone preamp**

**Mfr. List:** $423.00

**ONLY $385.00**

**DBX**

**386**

The dbx 386 two-channel mic preamp provides unparalleled flexibility in an affordable package. By combining the warmth and coloring of dual 12UA7 vacuum tubes, with the proprietary dbx Type IV™ conversion system, the dbx 386 is the perfect cross-platform tool for digital and analog applications. It boasts a plethora of high-end features including digital output in both AES/EBU and S/PDIF formats. Features: 200 tube plate voltage; 75 Hz low-cut filter; phase reverse; 60 dB of gain and +/-15 dB of output gain; selectable mic/line switch; 48 V phantom power; 20 dB pad; selectable 96, 88, 2, 48 or 44.1 kHz; XLR and 1/4" TRS analog I/Os; AES/EBU and S/PDIF digital outputs; word clock sync input and output.

**386**

**tube microphone preamp**

**Mfr. List:** $599.95

**ONLY $499.00**

**PRESONUS**

**M80**

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 bus system for assigning and panning any channel to the main stereo output connectors; steel chassis; balanced XLR and TRS inputs and outputs; separate send and return jacks for inserting dynamics processors.

**M80**

**8-channel microphone preamp**

**Mfr. List:** $1,999.00

**ONLY $1,799.95**

**PRESONUS**

**MP20**

The MP20 is a two-channel Class-A discrete, dual servo, microphone preamplifier with a stereo mix buss. Features: 20 dB pad; 48v phantom power; 80 Hz roll-off filter; polarity reverse; IDSS control creates vintage warmth by adjusting even harmonic distortion; 12-segment level meter; high output headphone amplifier; low impedance stereo mix bus can be used for full control over stereo imaging (mix output connectors are XLR balanced); XLR balanced input/output connectors as well as separate send and return jacks for inserting dynamics processors; 1/4", high Z input on the front panel for instrument preamplification.

**MP20**

**2-channel microphone preamp**

**Mfr. List:** $649.00

**ONLY $499.95**

**RANE**

**DMS22**

The Rane DMS22 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; XLR and TRS outputs.

**DMS22**

**microphone preamp**

**Mfr. List:** $549.00

**ONLY $414.00**

**SHURE**

**FP11**

The Shure FP11 mic-to-line amp provides up to 84 dB of gain in fourteen 6 dB steps for boosting microphone and auxiliary level devices to line level. Features: transformer-balanced XLR input and output; switchable peak limiter; peak/limiter LED indicator; AUX level 3.5mm mini-phone jack input; balanced line-level binding post output; belt clip; powered by standard 9-volt battery.

**FP11**

**microphone preamp**

**Mfr. List:** $377.40

**ONLY $284.00**

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Non-inventory item subject to return restrictions.
**Microphone Preamplifiers**

**SOUND DEVICES**

**MP1**

This superb mic preamp by Sound Devices delivers studio-quality sound in the field on two "AA" batteries. Designed for high-bandwidth 96 kHz, 24-bit digital productions, this device has a dynamic range that exceeds 120 dB, a bandwidth of more than 50 kHz and selectable phantom power. It's built like a tank, but weighs only 1.2 lbs. Features: maximum 66 dB of gain, adjustable in eleven steps; dual-stage, extended range peak limiter; selectable 12 and 48-volt phantom power; 6 dB per octave high-pass filter selectable at 80 and 160 Hz; aluminum chassis.

MP1 microphone preamp

Mfr. List $420.00

**ONLY $420.00**

**SYMETRIX**

**3025**

Designed for broadcast, sound reinforcement, and digital and analog recording, the Symetrix 302 offers substantial sonic improvement over stock mixers or console preamps. It features solid stereo imaging, excellent transient response, very low noise and almost undetectable distortion. Features: polarity reversal switches and 15 dB pads on both channels; +48 volt phantom power; gain variable from 20 to 60 dB; works with virtually any professional microphone.

microphone preamp

Mfr. List $299.00

**ONLY $255.00**

**OTARI**

**MX5050BIII**

The Otari MX5050BIII 2-track recorder is a quality reel-to-reel machine. Features: very dependable construction; 3-head design; front-panel setup adjustments with built-in oscillator; sophisticated transport with built-in mini auto locator; ±20% pitch control; 37-pin parallel interface; 1/4 track playback.

MX5050BIII 2-track recorder

CALL FOR DISCOUNT PRICE

**TASCAM**

**BR20**

The Tascam 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, snap edit and quick cue modes; independent L/R reel size selectors; built-in rack mounting and optional remote control; balanced XLR +4 dBm inputs and outputs.

BR20 2-track recorder

Mfr. List $3,999.00

**ONLY $2,774.00**

**AMERICAN RECORDER**

**HEAD CLEANER/K161**

American Recorder offers complete tape head maintenance for reel-to-reel and other tape machines. 5721 is formulated to clean tape heads, tape guides, capstans and pinch rollers. Removes tape oxides, soils and oils with low toxicity and fast drying rate. The K161 kit includes a 2 oz. bottle of Intraclean head cleaner, 100 cotton swabs and a wand-style head demagnetizer.

5721H 2 oz tape head cleaner

Mfr. List $8.00

5721HQ quart tape head cleaner

Mfr. List $24.00

K161 recorder maintenance kit

Mfr. List $40.00

**ONLY $35.00**

**BSW**

**COTTON SWABS/BLADES/PENCILS**

These extra-long style cotton swabs are designed for cleaning tape heads that are hard to reach. Single-edge razor works with all splice blocks. These white china markers are perfect for marking. No sharpening required.

BCS100 100 cotton swabs

Mfr. List $7.00

BCS500 500 cotton swabs

Mfr. List $16.00

BCS1000 1000 cotton swabs

Mfr. List $30.00

**ONLY $23.00**

GEM box of 100 blades

Mfr. List $10.95

02060 white china markers

Mfr. List $9.00

**ONLY $8.75**

**XEDIT**

**SPlice BLOCKS/SPlice TABS**

Precision blocks are hand polished. The S3 offers two cutting angles (45° and 30°). S3/90 offers 45 and 90 degree cutting angles. 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.

S3 splice block

Mfr. List $72.00

ONLY $64.00

S3/90 splice block

Mfr. List $72.00

ONLY $64.00

CL1 box of 1000 1/4" splicing tabs

Mfr. List $62.00

ONLY $60.00

**AMPEX**

**REEL-TO-REEL MEDIA**

BSW carries high-quality reel-to-reel tapes in different lengths. Call today to order the quantity you need.

406153131 1/4 - 1200' 7" plastic reel

Mfr. List $16.00

ONLY $9.00

406173131 1/4 - 2500' 10-1/2" metal reel

Mfr. List $41.00

ONLY $24.00

40617613T 1/4" x 2500' 10-1/2" pancake

Mfr. List $20.00

ONLY $13.00

456151111 1/4" - 1200' 7" plastic reel

Mfr. List $20.00

ONLY $11.00

45617311J 1/4" - 2500' 10-1/2" metal reel

Mfr. List $46.00

ONLY $29.00

45617611T 1/4" - 2500' 10-1/2" pancake

Mfr. List $25.00

ONLY $16.00

**REEL-TO-REEL RECORDERS**

79
REMOTE CONTROL

BROADCAST TOOLS
DC8A

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 of nearly all functions via a standard touch-tone phone; defeatable.

BROADCAST TOOLS
SSM

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.

BROADCAST TOOLS
PBB24

The PBB-24 provides 24 SPST buttons that may be used to remote control external equipment. Features: button caps allow for legend cards; 24 SPST N.O. heavy duty silent switches; 32 character-printable ASCII serial strings per switch; RS-232 serial port; non-volatile program memory; power and data activity LEDs.

BROADCAST TOOLS
BOR-4

4 independent SPDT relay interfaces with two opto-isolated and logic inputs-programmable logic and pulse stretching (delays) from 500 ms (1/2 second) to 108 minutes.

BROADCAST TOOLS
U1411

The UI-411 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; stretching (delays) from 500 ms (1/2 second) to 108 minutes.

BURK

ARC16

Now, you have a choice: full-time studio control and monitoring, dial-up telephone control - or both. Because of its modular design, the ARC-16SA offers features never before available in a 16-channel remote control system. With the studio controller, you have a constant link to your transmitter, for instantaneous response. The 32-character LCD display shows out-of-tolerance conditions at a glance, and makes it easy to make adjustments. The ARC-16 offers control and metering of studio equipment, including program automation, EAS, security, status control and alarm functions at both the studio and transmitter site. The two-unit system has 16 channels of analog metering, 16 status channels and 32 control outputs. Indicators and connections for external audible alarms alert the operator to out-of-tolerance conditions. The Enhanced Speech Interface lets you take control using the telephone keypad from any touch-tone phone. It can be used as the only control, or in addition to the studio controller. Features: digitally recorded human voice for dial up; built-in subcarrier generators; built-in alarms and multiple site control. Options: AutoPilot for Windows makes automatic operation of a studio/transmitter facility easy.

*Non-inventory item subject to return restrictions.
**SINE SYSTEM**

**RFC1/RAK/RP8**

Call and monitor your transmitter from any telephone with the Sine Systems RFC1/RAK-1 and RP-8. This system, comprises of a remote facilities controller and relay panel (sold separately) is one of the most reliable in the industry. The RFC1/RAK-1 is the "brain" of the system and incorporates the popular RFC-1/8 in a upgraded rack mount chassis. This unit now contains a 2400 baud AT modem for external control by computer and a parallel printer port so you can have simultaneous modem and printer operation. It also features built-in battery backup and surge suppression on the phone line (with optional SP8/TO surge protector). The RP-8 is the interface to outboard equipment. It provides eight channels of telemetry input and control output. In addition to being controlled manually via telephone, the RFC1/RAK-1 can be programmed to perform tasks automatically.

- **RFC1** dial-up remote site controller with RAK1 [Mfr. List $1,950.00]
- **RFC1B** dial-up remote site controller [Mfr. List $1,250.00]
- **RAK1** rack adapter with modem for RFC1B [Mfr. List $700.00]
- **RP8** relay panel for Sine Systems RFC1B [Mfr. List $450.00]
- **SP8/TO** battery backup/surge prot. for RFC1B [Mfr. List $100.00]

**ONLY $1,540.00**

**ONLY $987.00**

**ONLY $553.00**

**ONLY $365.00**

**ONLY $79.00**

**SINE SYSTEM**

**DAI-2**

The DAI-2 is designed primarily to allow remote broadcasts at unattended stations but its uses are nearly unlimited. The DAI-2 combines a telephone coupler, a DTMF tone operated controller, audio switching, alarm sensing and output relays into an incredibly flexible system. The new relay panel includes one DPDT and seven SPDT relays with LED indicators.

The optional DAI2/DB delay board can be used to eliminate the brief control tone bursts from reaching the air audio signal.

- **DAI-2** dial up audio interface [Mfr. List $1,000.00]
- **DAI-2/DB** delay board for Sine Systems DB1 [Mfr. List $135.00]

**ONLY $762.00**

**ONLY $107.00**

**SINE SYSTEM**

**AFS2**

The AFS-2 is typically used to trigger an alarm on a remote control system or terminate transmission if program audio fails. It monitors one or two audio signals and provides a relay contact closure as long as audio is present on at least one of the two audio inputs. When no audio is present on either input for a preset length of time, the relay contacts open and an Alarm LED lights. The length of the delay is adjustable from 7 seconds to 4.5 minutes. AFS-2 can be used with RFC-1/8 remote control (above).

- **AFS2** audio fail safe [Mfr. List $260.00]

**ONLY $206.00**

**CIRCUITWERKES**

**DR10**

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 with 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 anti-falsing and two-tone modes prevent unwanted closures during audio feeds; relays can beep when audio is present on at least one of the two audio inputs. When no audio is present on either input for a preset length of time, the relay contacts open and an Alarm LED lights. The length of the delay is adjustable from 7 seconds to 4.5 minutes. AFS-2 can be used with RFC-1/8 remote control (above).

- **DR10** dial-up remote site control [Mfr. List $399.00]

**ONLY $362.00**

**GENTTNER**

**VRC2500PKG**

Intelligence, reliability and versatility make the VRC2500 one of the best values in remote facilities management. The remote site control unit is ideal for single-site stations providing 16 channels of metering, status and command. The VRC2500 monitors your transmitter and alerts you if an alarm condition occurs. It also enables you to create commands and macros which can be executed automatically or at scheduled intervals. The dial-up option allows you to use a standard telephone to retrieve data, execute commands or macros, and receive alarm notifications. It also has the ability to operate unattended. A PC is only required for setup and monitoring, not for smart operation. The highly innovative Windows-compatible operating software is included. The VRC2500PKG system includes the main unit, one command relay, two wiring interfaces and one 2-wire modem. Call today for pricing on other systems.

- **VRC2500PKG** [Mfr. List $3,750.00]

**ONLY $3,530.00**

**MOSELEY**

**MRC1620RT/MRC1620CT**

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-out 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** dial-up remote site terminal [Mfr. List $3,450.00]
- **MRC1620CT** dial-up remote control site terminal [Mfr. List $1,500.00]
- **TM20** TaskMaster 20 software for MRC1620 [Mfr. List $1,500.00]
**MARTI SRPT40**
The SRPT-40 incorporates a built-in FM compressor providing automatic modulation control and adds the ability to change frequency by means of front-panel thumbwheel switches. Features: 40 watts maximum output power; frequencies selectable directly from front panel; 158 channels; 4 balanced microphone inputs (one switchable to balanced line level); built-in audio compressor.

*SRPT40
Mfr. List: $2,795.00
ONLY $2,631.00

---

**MARTI SR10**
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. Call for frequency agile models now available for the VHF band.

*SR10
Mfr. List: $2,500.00
ONLY $2,353.00

---

**MARTI CR102D**
The CR-102D receiver offers dual-frequency operation with legendary Marti reliability. Features: built-in test meter; squelch relay; monitor speaker; subaudible tone decoding and noise reduction circuitry.

*CR102D
Mfr. List: $1,425.00
ONLY $1,398.00

---

**MARTI MOSELEY SL9001SS**
Using the latest in spread spectrum technology and audio source coding, this system provides CD-quality stereo remotes over distances of up to 10 miles. Features: IS0/MPEG or ADPCM (apt-X) plug-in source coder; up to 10 miles line of sight range; 3.4 GHz band; requires no license; antenna mount AMP/LNA; CD quality stereo simplex/duplex; built-in AES/EBU and sample rate converter.

*SL9001SS
digital rpl system
Mfr. List: $9,250.00
ONLY $8,706.00

---

**SCALA CA7-460**
The Scala CA7-460 seven-element yagi is designed for the very highest reliability even under severe environmental conditions. Its broadband design makes it particularly suitable for systems requiring frequency agility within a specified band. This model covers the 450-470 MHz bands. The impedance is 50 ohms, gain is 10 dB (over dipole) and input power rating is 250 watts.

*CA7-460
Mfr. List: $220.00
yagi antenna
ONLY $215.00

---

**COMREX CTA SERIES**
This Comrex Cue System sends program and instructions from its transmitter to pocket receivers. The CTA Cue Transmitter is a 1-watt rack mount 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
ONLY $1,264.00

LPQRA
receiver for use with Comrex CTA
Mfr. List: $625.00
ONLY $585.00

---

**LISTEN IFB PACKAGE**
This Listen Technologies package makes it easy for the broadcast booth to communicate with on-field/court reporters. The system is made up of an Interruptible feedback (IFB) transmitter and a receiver (plus necessary accessories such as ear piece and antennas). The wireless transmitter is channel selectable to 57 channels in the 216 MHz frequency band and works equally well indoors or outdoors. The portable receiver has a visual display of channel selection, battery level and RF signal strength. Package consists of the following pieces: LR400-216, LR400-216, LA117, LA164, LA102.

LISTENPKG
IFB package
Mfr. List: $860.00
ONLY $744.00

---

**LISTEN TELESCOPE 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. It weighs only 20 lbs. with a nested height of 6 ft.

*HURRYUP
telescope mast
Mfr. List: $1,650.00
ONLY $1,613.00

---

**MARTI YC450**
Martis YC-series antennas offer five or six elements depending on the frequency selected and offer a gain of 10 dB. Please specify frequency when ordering (from 152.08 to 455.99 MHz to cover any RPU application).

*YC450
yagi antenna
Mfr. List: $225.00
ONLY $212.00

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For Remote Mixers
See Pages 34-37
See Portable Codecs
On Pages 109-112

* Non-inventory item subject to return restrictions.
**MULTI-CART**

**RR-10/RR-4**

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. Standing up it's a heavy-duty handtruck with long forks. Lying down, it's a four-wheel cart that expands in length. RR-10 can hold up to 500 pounds of equipment and extends in length from 34" to 52' long. The smaller RR-4 can hold up to 350 pounds and extends from 26" to 39" in length.

**OTTER BOX**

**WATER PROOF UTILITY BOXES**

The Otter Box was built to keep items dry. The closed cell neoprene o-ring creates a positive seal which does not allow water in. All models have been pressure and leak tested to depths beyond 100 feet and can withstand the weight of an automobile. Because of its toughness in design and materials, each Otter Box has a lifetime guarantee. All Otter Boxes come with a black nylon lanyard for carrying. Soft foam lines all boxes except 1000 Series box. Dimensions are as follows:

- **1000** - (4.37"x2.87"x1"ID 3.93"x2.62"x1.37"0D) good for miniature mics, Flash ROM cards, etc.
- **2000** - (6"x3.37"x1"ID 4.37"x2.87"x1.37"0D) can fit smallest MD and MP3 recorders.
- **2500** - (6.5"x3.37"x1.5"ID 8.37"x4.37"x1.87"0D) use for small shotgun capsules, multimeters or flat battery packs.
- **3000** - (7.87"x3.81"x1.5"ID 3.62"x6.32"x8.68"0D) can hold small mixers, handheld test equipment and microphones.

Color choice is black with clear lid or bright yellow with clear lid.

- **OB1000(BKORYLICL water-proof utility box**  
  Mfr. List $9.00  
  ONLY $9.00
- **OB2000(BKORYLICL water-proof utility box**  
  Mfr. List $14.90  
  ONLY $14.00
- **OB2500(BKORYLICL water-proof utility box**  
  Mfr. List $17.90  
  ONLY $16.00
- **OB3000(BKORYLICL water-proof utility box**  
  Mfr. List $19.95  
  ONLY $18.00
- **OB3500(BKORYLICL water-proof utility box**  
  Mfr. List $24.95  
  ONLY $22.00

---

**PELICAN**

**1500/1600 SERIES**

Constructed of lightweight space-age structural resin with neoprene O-ring seal and exclusive purge valve, Pelican hard cases are water proof (to 30 feet) and airtight for the ultimate in protection. Dimensions for models listed below are as follows:

- **1500** - (17"x11.5"x6.25"ID 18.31"x14.12"x7"0D).
- **1520** - (17.93"x12.75"6.25"ID 19.12"x15.68"x7.62"0D).
- **1600** - (21.62"x16.87"x7.87"ID 24.25"x19.43"x8.68"0D).
- **1650** - (28.75"x17.87"x9.75"ID 32.68"x20.18"x11.18"0D).

**PELICAN**

**1527**

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".

- **1527** - convertible travel bag  
  Mfr. List $110.00  
  ONLY $99.00

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**SKB**

**ATA SERIES**

These tough 19" rack cases are made for punishing road and air travel with latched and gasketed front and rear covers to protect equipment from moisture and dirt. All cases are 14" deep and are available in sizes from 2 to 12 rack spaces. The ultra tough polyethylene shell is half the weight of old-fashioned wood cases, yet offers maximum protection. ATA approved.

- **SKB19-2U** - 2-space portable rack case  
  Mfr. List $185.95  
  ONLY $112.00
- **SKB19-4U** - 4-space portable rack case  
  Mfr. List $209.95  
  ONLY $137.00
- **SKB19-6U** - 6-space portable rack case  
  Mfr. List $239.95  
  ONLY $144.00
- **SKB19-8U** - 8-space portable rack case  
  Mfr. List $309.95  
  ONLY $186.00
- **SKB19-12U** - 12-space portable rack case  
  Mfr. List $399.95  
  ONLY $240.00

---

**ROKSAT**

**RC154**

This lightweight 4-space rack bag has a tough inner shell and a durable nylon cover with handles for carrying equipment safely into the field. Front flap zips up to protect the face of your equipment.

- **RC154** - 4-space rack bag  
  Mfr. List $69.95  
  ONLY $53.00

---

**ACE**

**KEB SERIES**

KEB bags are perfect for toting remote gear into the field. These padded nylon bags hold mixers, recorder, mics, cables and much more. Each bag has a main compartment, a separate accessory compartment, carrying handle and adjustable shoulder strap. Main compartment sizes are shown below.

- **KEB20** - 7.5"x9.5"x3" carrying bag  
  Mfr. List $25.00  
  ONLY $21.00
- **KEB22** - 9.5"x12.5"x3" carrying bag  
  Mfr. List $25.95  
  ONLY $22.00
- **KEB31** - 13"x13"x3" carrying bag  
  Mfr. List $37.95  
  ONLY $32.00
- **KEB30** - 18"x18"x4" carrying bag  
  Mfr. List $54.95  
  ONLY $45.00
### MODULATION MONITORS

**BELAR**

**FM/AM SERIES**

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. Call BSW with your needs and speak to our knowledgeable sales professionals.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Only Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMM2</td>
<td>FM modulation monitor</td>
<td>$1,790.00</td>
<td>$1,685.00</td>
</tr>
<tr>
<td>FMS2</td>
<td>FM stereo modulation monitor</td>
<td>$2,050.00</td>
<td>$1,930.00</td>
</tr>
<tr>
<td>FMM4A</td>
<td>FM digital frequency monitor</td>
<td>$1,590.00</td>
<td>$1,497.00</td>
</tr>
<tr>
<td>SCM2</td>
<td>SCA modulation monitor</td>
<td>$2,050.00</td>
<td>$1,930.00</td>
</tr>
<tr>
<td>RFA4</td>
<td>frequency agile FM RF amplifier</td>
<td>$1,190.00</td>
<td>$1,120.00</td>
</tr>
<tr>
<td>RFA1A</td>
<td>fixed frequency FM RF amplifier</td>
<td>$850.00</td>
<td>$800.00</td>
</tr>
<tr>
<td>AMMA1</td>
<td>AM modulation monitor</td>
<td>$1,790.00</td>
<td>$1,685.00</td>
</tr>
<tr>
<td>AMM4</td>
<td>AM digital freq monitor</td>
<td>$1,390.00</td>
<td>$1,309.00</td>
</tr>
<tr>
<td>RFA2</td>
<td>AM RF amplifier (specify frequency)</td>
<td>$790.00</td>
<td>$744.00</td>
</tr>
</tbody>
</table>

**INOVONICS**

**530-00**

The 530-00 combines a frequency-agile, wideband FM receiver with very linear demodulation and metering circuitry for precise measurement of FM broadcast carrier modulation. **Features:** carrier modulation scale displays total modulation or independent positive and negative deviation in three ranges and resolutions; peak hold function and program peak measurement integration; adjustable peak flasher (1% increments); stereo pilot injection level shown in percent and dB; demodulation stereo program metering has an 80dB range and 1dB resolution for level and noise measurements of the L, R, sum and difference channels; front-panel display of signal strength and multipath effects; tunable receiver with eight presets; automatic switchover to direct RF sample (if desired); continuous coverage of the FM broadcast band; preset alarm indicators for poor reception conditions; manual selection of forced-mono mode and program de-emphasis; headphone jack.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Only Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>53000</td>
<td>FM off-air modulation monitor</td>
<td>$2,500.00</td>
<td>$2,237.00</td>
</tr>
</tbody>
</table>

**DELTA**

**SM-1**

Now you can use the same tool that the FCC uses to measure your station's compliance with NRSC and FCC regulations and requirements. The SM-1 is inexpensive and easy to use and interpret.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Only Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>*SM-1</td>
<td>splatter monitor</td>
<td>$4,490.00</td>
<td>$4,646.00</td>
</tr>
<tr>
<td>*AWA1</td>
<td>active whip antenna for Delta SM-1</td>
<td>$780.00</td>
<td>$771.00</td>
</tr>
</tbody>
</table>

**BELAR**

**WIZARD SERIES**

The FMMA1 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 your 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Only Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMMA1</td>
<td>FM modulation monitor</td>
<td>$3,300.00</td>
<td>$3,106.00</td>
</tr>
<tr>
<td>FMMA1</td>
<td>stereo monitor unit for use with Belar FMMA1</td>
<td>$3,900.00</td>
<td>$3,671.00</td>
</tr>
<tr>
<td>AMMA1</td>
<td>AM modulation monitor</td>
<td>$3,300.00</td>
<td>$3,106.00</td>
</tr>
</tbody>
</table>

**INOVONICS**

**MODMINDER FMMM2**

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 is included for dialup access. This ModMinder FMMM2 includes an internal demodulator.

<table>
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<tr>
<td>FMMM2</td>
<td>FM modulation monitor</td>
<td>$3,090.00</td>
<td>$2,793.00</td>
</tr>
</tbody>
</table>

*Non-inventory item subject to return restrictions.*
Dependable Modulation Monitors for AM & FM

520 AM Mod-Monitor
- Built-in, tunable preselector for accurate off-air measurements
- Easy-to-read, peak-hold modulation display
- Alarm and RS-232 data outputs
- Companion active antenna option

530 FM Mod-Monitor
- Off-air operation with 8 station presets
- High-resolution displays for deviation, audio, pilot, RF signal and multipath
- Accurate and affordable
- Check out our 540 Subcarrier Monitor for SCA, RDS and data

Download full spec sheets at www.inovon.com

MODULATION SCIENCES

MSI-320
The Modulation Sciences 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.

Mfr. List $5,650.00 ONLY $5,318.00

TFT

844A
With the 844A, 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.

Mfr. List $5,150.00 ONLY $4,609.00

884
A cost effective alternative to TFT's popular model 844, the 884 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.

Mfr. List $3,765.00 ONLY $3,516.00

Non-inventory item subject to return restrictions.
RBDS for the USA

RBDS radios are being supplied as standard equipment in a growing number of new US automobiles. Don’t let your station be skipped-over for lack of an RBDS presence. Either Inovonics encoder is easily installed and programmed to get your ‘digital signature’ on the air in a matter of minutes.

Model 701
A low-cost encoder for name, format and other basic IDs, plus static RadioText for a fixed station promo, phone number or simple advertising message.

Model 711
A full-featured encoder supporting all the common RBDS functions. In addition to basic IDs, the 711 includes the auto-tuning “TA” traffic flag and interfaces with station automation for song titles, contests and other dynamic RadioText applications.

Download full spec sheets at www.inovon.com

INOVONICS
701
The 701 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.

*701-00
RDS encoder
Mfr. List $390.00
ONLY $349.00

INOVONICS
710
Get RDS 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).

*710-00
RDS/RBDS encoder
Mfr. List $1,030.00
ONLY $940.00

INOVONICS
711
The 711 is a low-cost, 'dynamic' encoder that’s simple to install and easy to use. Featuring the Universal Encoder Communications Protocol (UECP) standard, the 711 has the ability to work with popular hard-disk automation systems and offers a standardized interface that supports song titles, contests, etc. Loop-through or sidechain operation allows the 711 to operate with any exciter/ stereo-generator combination.

*B711-00
RDS encoder
Mfr. List $1,200.00
ONLY $1,074.00

DENON
TU1500RD
The TU-1500RD is an affordable AM/FM/RDS stereo tuner featuring highly sensitive reception performance and detailed, clear sound. 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; rack mount kit included.

*TU1500RD
AM/FM/RDS stereo tuner
Mfr. List $399.00
ONLY $319.99

Non-inventory item subject to return restrictions.
With its Open-Architecture, All Digital, Spectrally Efficient QAM design, the SL9003Q can deliver up to four non-compressed audio channels over a single narrow bandwidth 1.5 GHz STL channel. AES/EBU I/Os and built-in sample rate conversion provide seamless connection without compression or delay. Selectable digital audio sampling rates of 32, 44.1, or 48 kHz together with a choice of 16, 32, or 64 QAM allows the optimization of occupied bandwidth, robustness and connectivity to equipment in the all-digital air chain. With your finger on the trigger of 4 barrels of unrestrained audio, you win. Every time.

INOVONICS
510
A self-contained decoder/reader for RDS/RBDS, 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 CENEL and U.S. NRSC standards; glossary utility defines the RDS/RBDS abbreviations; RS-232 port provides a two-way computer interface (software provided); supports groups 0, 1, 2, 3, 4, 5, 6, 7, 9, 14, 15.

*R1000
RDS/RBDS decoder/reader
Mfr. List $1,950.00
ONLY $1,745.00

ROLLS
RS78B/RS79
The affordable Rolls RS78B has 8 AM and 16 FM presets that remain active for 4 days should the power go off. Its large LCD display remains visible even in bright daylight. The more advanced RS79 adds balanced XLR outputs, a signal strength meter, headphone jack and 3-year preset memory.

RS78B
AM/FM tuner
Mfr. List $247.00
ONLY $212.00

RS79
AM/FM tuner with XLR outputs
Mfr. List $268.00
ONLY $269.00

TEAC
TR600
The TR600 is an affordable, quality AM/FM/RDS tuner. Features: Phase Locked Loop (PLL) synthesized tuning system; 20 FM and 20 AM station memory; multi-function fluorescent display; FM stereo/mono selector; station name ID function; RDS information receiver.

TR600
AM/FM tuner
Mfr. List $199.00
ONLY $168.00

MOSELEY
PCL6020 SERIES
Replace your tired old STL with a new rock-solid Moseley system. The popular PCL6020 employs 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. The PCL6020 system consists of a transmitter and receiver. The PCL6030 and PCL6060 are designed for hostile RF environments where adjacent channel rejection is required.

*PCL6020
STL system
Mfr. List $8,250.00
ONLY $7,765.00

*PCL6030SYS
high-rejection STL system
Mfr. List $9,250.00
ONLY $8,706.00

*PCL6060
high-rejection STL package
Mfr. List $9,950.00
ONLY $9,365.00

* Non-inventory item subject to return restrictions.
Moseley's Starlink SL9003Q is the transmission leader: an open architecture, all-digital, 4-channel aural STL without compromise. Using spectrally efficient QAM (quadrature amplitude modulation) technology, it conveys up to four linear uncompressed audio channels over a single narrow bandwidth 950 MHz STL channel. This uncompressed 16-bit linear audio is absolutely uncompromised and can be configured with up to two pairs of stereo audio (that's like getting two radios for the price of one). AES/EBU I/O, combined with a built-in sample rate converter, provide user selectable digital audio sampling rates of 32, 44.1 or 48 kHz together with a choice of 16, 32 or 64 QAM allow the optimization of occupied bandwidth, robustness and connectivity to equipment in the all-digital air chain. Other features include T1/E1 connectivity and full metering and diagnostics. Talk to our knowledgeable sales staff today.

**MARTI SL15C/R15C**

The Marti SL-15C transmitter and companion R-15C receiver form a high-quality, frequency synthesized, radio communications link. Depending upon the available channel bandwidth, the systems can transmit composite stereo with two subcarriers, or digital stereo audio when used with external modems. Features: unexcelled composite stereo separation, noise and distortion specs; high interference rejection receiver; 9.5 watts power; new narrow channels provision for automatic switching.

- **STL15C**
  - composite STL transmitter
  - Mfr. List $3,000.00
  - ONLY $2,824.00
- **R15C**
  - composite STL receiver for use with Marti STL10
  - Mfr. List $3,000.00
  - ONLY $2,824.00

**SCALA PR950**

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.

- **PR950**
  - STL paraflector antenna
  - Mfr. List $700.00
  - ONLY $635.00

**SCALA TY900**

The Scala TY-900 is a rugged broadband yagi antenna specifically designed for professional fixed-station applications in the 890-960 MHz band. The TY-900 is fabricated of 6061/T6 aluminum rod and seamless drawn pipe, anodized for maximum reliability and corrosion resistance. The internal balun, coax feed and connector are sealed in a foam potting system to prevent moisture penetration and assure long service life. Input power rating is 100 watts, gain is 10 dB and impedance is 50 ohms.

- **TY900**
  - STL yagi antenna
  - Mfr. List $180.00
  - ONLY $147.00

*Non-inventory item subject to return restrictions.*
We Still Get Rave Reviews

Ever since we introduced our groundbreaking integrated transmitter, we've been getting rave reviews. With more than 50 years of broadcast industry experience behind our company, it's no wonder.

Just as importantly, at Crown Broadcast, we're committed to designing and manufacturing the FM radio products that will earn you rave reviews from your listeners.

Call BSW today for these versatile and innovative products:

- Transmitters
- Exciters
- Translators and Satellators
- Amplifiers

(In power levels from 30 watts to 2 kW)

CROWN FM SERIES

More than just an FM exciter or amplifier, a Crown integrated FM transmitter system combines built-in audio processing and stereo generation in one rugged, compact unit. Each model provides excellent signal quality, ease of use, and economical long-term reliability with a variety of features including: quick set-up; built-in digital metering and diagnostics; 87-108 MHz user-selectable frequency range; 10G/120 VAC, 220/240 VAC or DC operation. Reliable operation is a major design criterion. With Teflon circuit boards and copper heat spreaders in the RF chain, the unit functions with less heat for improved life span. A unique Automatic Level Compensation (ALC) circuit protects the unit from voltage, temperature and VSWR variations. If operating parameters move outside the safe operating range, the ALC automatically reduces output power to safe limits until normal conditions are restored. Highly efficient power amplifiers are added in the 1 kW and 2 kW transmitters.

The FM2000T 2 kW transmitter is broadband and 75 to 80% efficient across the band. It includes a power amplifier, power supply, FM100T driver and features hot-swappable 500 watt power modules, a responsive protection mode and a power-factor-corrected power supply.

The FM1000T 1 kW transmitter includes power amplifier, power supply, FM3OT driver and four hot-swappable 250-watt power modules. All Crown units feature a 3-year warranty.

<table>
<thead>
<tr>
<th>Transmitter Type</th>
<th>Power Level</th>
<th>Mfr. List Price</th>
<th>Special Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM30T</td>
<td>30-watt</td>
<td>$4,195.00</td>
<td>ONLY $3,824.00</td>
</tr>
<tr>
<td>FM100T</td>
<td>100-watt</td>
<td>$6,150.00</td>
<td>ONLY $5,295.00</td>
</tr>
<tr>
<td>FM250T</td>
<td>250-watt</td>
<td>$7,495.00</td>
<td>ONLY $6,471.00</td>
</tr>
<tr>
<td>FM300T</td>
<td>300-watt</td>
<td>$9,795.00</td>
<td>ONLY $8,412.00</td>
</tr>
<tr>
<td>FM1000T</td>
<td>1-kW</td>
<td>$15,795.00</td>
<td>ONLY $14,412.00</td>
</tr>
<tr>
<td>FM2000T</td>
<td>2-kW</td>
<td>$20,795.00</td>
<td>ONLY $19,000.00</td>
</tr>
</tbody>
</table>

MARTI

PNP150

The new Plug-n-Play 150 gives you all the reliability, performance, ease of use and support you've come to expect from Marti. The Plug-N-Play products use the latest in digital RF technology coupled with proven exciter technology from Broadcast Electronics. The exciter portion of the transmitter takes advantage of recent advances in DSP speed and efficiency to provide performance previously not available in this price range. Along with this ground breaking digital technology, the Plug-N-Play product line takes advantage of control and RF amplifier designs that have been proven through years of reliable use in the Broadcast Electronics exciter lines.

Features:
- accepts analog or digital audio input from an STL, ISDN or direct feed; built-in stereo generator and colorless audio processor; up to 150 watts into 1.5 to 1 VSWR; frequency range: 87.5 MHz to 108 MHz - jumper selectable to specific operating frequency; programmable in 10 kHz steps; full remote control ready; easy to install; rack mountable or suitable for tabletop operation; digital inputs: AES/EBU, S/PDIF, TOSLINK; analog inputs: composite, left and right, audio.

<table>
<thead>
<tr>
<th>Transmitter Type</th>
<th>Power Level</th>
<th>Mfr. List Price</th>
<th>Special Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PNP150</td>
<td>150-watt</td>
<td>$4,950.00</td>
<td>ONLY $4,659.00</td>
</tr>
</tbody>
</table>
**PLUG N PLAY 150 EXCITER.**
The latest digital exciter for value conscious operations—easily accepts either analog or digital input from your existing STL, ISDN, or direct feed and produces digital quality audio at a fraction of the cost of other exciters. Inputs include Composite, L & R, TOSLINK, AES/EBU, and/or SPDIF.

**DIGITAL CELLCAST.**
The NEW Digital Cellcast, designed with the sports broadcaster in mind is easier to use, lightweight and rugged. Contact BSW for availability of models that will work with your cellular provider.

**MARTI® ME40**
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 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, 2 year limited warranty.

*ME40 40-watt FM exciter Mfr. List $3,495.00 \textit{ONLY $3,290.00}*

**MARTI® QUANTUM E SERIES**
The QUANTUM "E" establishes a new level in FM performance with the advantage of the highest power emergency back-up available in an exciter style package. QEI took the field-proven design of the model 695 exciter and incorporated a high power FET amplifier to deliver uncompromised performance as a transmitter, exciter, booster or optionally as a translator. The QUANTUM "E" is an all solid state, broadband, frequency synthesized, "on carrier" direct FM transmission system, designed to exceed the FCC requirements for use in the FM broadcast band. The QUANTUM 150E, 300E and 600E are housed in a rack space saving dual 5-1/4" package. These transmitters will fit into virtually all transmitters to act as an exciter/driver upgrade for older systems.

*QUANTUM150E 150-watt FM exciter/transmitter Mfr. List $4,950.00 \textit{ONLY $4,473.00}*

*QUANTUM300E 300-watt FM exciter/transmitter Mfr. List $5,895.00 \textit{ONLY $5,147.00}*

*QUANTUM600E 600-watt FM exciter/transmitter Mfr. List $7,795.00 \textit{ONLY $7,016.00}*

**QEI QUANTUM M SERIES**
Designed for years of trouble free service, the totally solid state QUANTUM M-Series FM transmitters, provide an unsurpassed broadcast signal. These transmitters feature modular power amplifiers and are available in power levels between 1.2 and 5.4 kilowatts in 600 watt increments. You can buy precisely the amount of power you need. This makes the QUANTUM M-Series transmitters affordable to own and operate by avoiding the inefficiency of running a higher power transmitter at low output power levels. Up to 9.6 kW solid state FM models and up to 30 kW tube FM models are also available.

*QUANTUMM1.2 Mfr. List $20,595.00 \textit{ONLY $18,610.00}*

*QUANTUMM1.8 Mfr. List $22,695.00 \textit{ONLY $20,508.00}*

*QUANTUMM2.4 Mfr. List $24,795.00 \textit{ONLY $22,406.00}*

*QUANTUMM3.0 Mfr. List $26,895.00 \textit{ONLY $24,303.00}*

*QUANTUMM3.6 Mfr. List $29,695.00 \textit{ONLY $26,833.00}*

*QUANTUMM4.2 Mfr. List $32,295.00 \textit{ONLY $29,183.00}*

*QUANTUMM4.8 Mfr. List $34,895.00 \textit{ONLY $31,532.00}*

*QUANTUMM5.4 Mfr. List $37,495.00 \textit{ONLY $33,882.00}*
ALTRONIC
ALTRONIC GROUP
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

ANDREW
COAXIAL CABLE
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.
*Call BSW With Your Requirements

ELECTRO IMPULSE
RF COAXIAL LOADS
Electro Impulse is a leading supplier of specialized equipment for the communications and broadcast industries such as dry, convection and forced air-cooled loads.
*Prices Based On Configuration

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JAMPRO
FM ANTENNAS
JAMPRO manufactures a complete line of FM antennas and associated RF products including the "Penetrator" series of FM sidemount antennas, the JBCP "Rototiller" design and the revolutionary JBBP sidemount with balanced feed design. JAMPRO antennas are available in a wide variety of power levels and configurations for virtually any application. Over 35 years of manufacturing expertise goes into every antenna, combiner, filter and rigid line component they make.

CABLEWAVE
COAXIAL CABLE
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.

TWR
LIGHTING EQUIPMENT
TWR is a world leader in the design and manufacturing of high quality aviation obstruction lighting. With 20 years experience, their innovative approach to construction, serviceability and ease of Installation make them a preferred provider. Along with a complete line of OL (L-810), Red (L-864), White Strobe (L-865) and Dual Red/White Strobe (L-864/865) light kits, they also provide the industry standard in technical training. The ETL certified and FAA approved products are suitable for various applications and obstructions, such as broadcast towers, smokestacks, buildings and water towers.
*Call For BSW Pricing And Configurations

* Non-inventory item subject to return restrictions.
**Satellite Equipment**

**BROADCAST TOOLS**

**ENC-16/DEC-16**

The ENC-16 encodes 16 DTMF tones. Features: modes for decimal, binary input contact closures, RS-232, single and sequential tone operation; telephone coupler w/autodialer and balanced output. Mates with the DEC-16 for a complete remote control system.

For decoding all 16 DTMF tones, use the DEC-16. Features: SPST relays; RS-232 serial port; telephone coupler w/autodialer; modes for momentary, interlocking-latching relay, single and two-tone operation and balanced input. Mates with the ENC-16 for a complete remote control system.

<table>
<thead>
<tr>
<th>Encoder/Autodialing Coupler</th>
<th>DEC-16</th>
<th>ESC-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mfr. List $299.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ONLY $284.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mfr. List $279.00</td>
<td></td>
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</tr>
<tr>
<td>ONLY $265.00</td>
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<td></td>
</tr>
</tbody>
</table>

**BROADCAST TOOLS**

**DSC20**

The DSC20 adds remote control capability to the StarGuide II/III, Wegener Unity 4000 or ComStream receivers. An encoder control with a 16x2 LCD display provides local control and program descriptions, while external control may be in the form of serial or 32 contact closures. Sixty-four, thirty-two character ASCII character strings are provided for each receiver port. The unit also provides preset memory location for most networks. Custom programming is accomplished with a NON-DEDICATED computer! Order today.

<table>
<thead>
<tr>
<th>Decoder/Autodialing Coupler</th>
<th>DSC-20</th>
<th>DSC20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mfr. List $399.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ONLY $379.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BROADCAST TOOLS**

**USC-16**

The USC-16 provides remote channel selection for DAT-5EDT digital audio cards installed in Scientific Atlanta DAT-32 series, Comtech/Taihch DART-384 and Ariel receivers, along with 16 memory selections for Scientific Atlanta ENCORE, DSR-3610 or AD-4595 receivers. It features a 2400/9600 baud serial port for computer control, status and easy programming.

<table>
<thead>
<tr>
<th>Satellite Channel Controller</th>
<th>USC-16</th>
<th>USC16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mfr. List $319.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ONLY $265.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Satellite/Speakers**

**ALESIS MONITOR ONE MK2/M1 ACTIVE**

Alesis Monitor One MK2 is a compact near-field reference speaker with wide frequency response, accurate transient reproduction, clear imaging and high power handling capability. In the new MK2 version they included a new 6.5" polypropylene low-frequency driver for tighter, more accurate bass response and matched newly redesigned, 1" pure silk-dome, high-frequency transducer for even smoother, more accurate detail and response. They improved the overall frequency response (changing from 45 Hz-18 kHz, to 45 Hz-20 kHz +/- 3 dB) and coupled it with more efficient power handling. They also provided magnetic shielding to allow use in close proximity to video and computer monitors.

The Alesis M1 ACTIVE's internal active crossover and custom-designed dual amplifiers ensure a broad, extremely accurate frequency response with clear imaging. 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. Priced as pair.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1MKII</td>
<td>6.5&quot;-2-way studio monitors (pair)</td>
<td>$249.00</td>
</tr>
<tr>
<td>M1ACTIVE</td>
<td>6.5&quot;-2-way biamplified monitors (pair)</td>
<td>$500.00</td>
</tr>
</tbody>
</table>

**AUDIX AUDIX SERIES**

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). Both models feature magnetically shielded cabinets.

The PHSVS 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). Priced as pair.

The PH150 is housed in a dense particle-board cabinet with front porting. It features a 3/4" polypropylene-dome, ferrofluid tweeter and a 5-1/4" long-exursion, rubber surround woofer powered by an internal 45-watt-per-channel amp. High-quality crossovers ensure superb definition and clarity. Amplifier inputs are balanced (floating ground) via RCA connectors. Priced as pair.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSVS</td>
<td>5-1/4&quot;, 2-way amplified monitors (pair)</td>
<td>$271.00</td>
</tr>
<tr>
<td>PH150</td>
<td>5-1/4&quot;, 2-way amplified monitors (pair)</td>
<td>$379.00</td>
</tr>
</tbody>
</table>
**BEHRINGER TRUTH**

The Behringer B2031 Truth sports two separate amplifiers for low and high frequencies. With 150 and 75 watts respectively, they have plenty of power to meet all of your monitoring needs. The 8.75" woofer features a special polycarbonate diaphragm and a sturdy cast aluminum chassis. A newly designed bass reflex system increases its efficiency, effectively reducing low-frequency distortion. The high-end is reproduced by a state-of-the-art ferrofluid-cooled 25 mm tweeter. Features: full magnetic shielding; well-balanced vertical and horizontal dispersion for extremely wide "sweet spot"; overload protection via integrated limiter, separately controlled for low and high frequencies; servo-balanced inputs with XLR and 1/4" TRS connectors. Priced as pair.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2031</td>
<td>8.75&quot; 2-way biamplified monitors</td>
<td>$799.00</td>
<td>ONLY $649.00</td>
</tr>
</tbody>
</table>

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**ELECTRO-VOICE SENTRY 100A/SENTRY 100EL**

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. Priced as each.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SENTRY100A</td>
<td>8&quot; 2-way studio monitor (each)</td>
<td>$612.00</td>
<td>ONLY $403.00</td>
</tr>
<tr>
<td>SENTRY100EL</td>
<td>8&quot; 2-way biamplified studio monitor (each)</td>
<td>$1,178.00</td>
<td>ONLY $779.00</td>
</tr>
</tbody>
</table>

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**ELECTRO-VOICE S40B**

The Electro-Voice S40 is a high-performance, 5.25" 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. Options: mounting hardware allows stand mounting or wall and surface placement. Priced as pair.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>S40B</td>
<td>5.25&quot; 2-way studio monitors</td>
<td>$418.00</td>
<td>ONLY $275.00</td>
</tr>
</tbody>
</table>

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**EVENT 20/20 SERIES**

The popular Event 20/20 offers reliable, flat monitoring that’s very affordable. Features: 25mm silk-dome tweeter; 8" woofer with highly damped rubber surround for consistent and smooth extended range frequency response; cabinet with extra acoustical damping to reduce standing waves; front mounted large diameter bass port; 2nd order passive crossover. Priced as pair.

The powered 20/20BAS includes the components of the 20/20 with the following additions: active asymmetrical-4th order crossover; 130-watt LF amplifier and 70-watt HF amplifier; front panel power on/clip LED; a combination 1/4"/XLR input with level adjustment. Priced as pair.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>20/20</td>
<td>8&quot; 2-way studio monitors (pair)</td>
<td>$399.00</td>
<td>ONLY $303.00</td>
</tr>
<tr>
<td>20/20BAS</td>
<td>8&quot; 2-way biamplified monitor (pair)</td>
<td>$999.00</td>
<td>ONLY $758.00</td>
</tr>
</tbody>
</table>

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**EVENT PS SERIES**

The Event Project Studio series (PS5, PS6, PS8) biamplified monitors deliver detailed and accurate sound, just like its respected forebears, the award-winning 20/20. Choose from three sizes, each which deliver non-fatiguing, wide-range reference monitoring and fits easily in any studio environment. Features: magnetically shielded; 70-watt LF amplification; 30-watt HF amplification; front ported design; balanced XLR and 1/4" inputs. Priced as pair.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS5</td>
<td>5.25&quot; 2-way biamplified studio monitors (pair)</td>
<td>$599.00</td>
<td>ONLY $455.00</td>
</tr>
<tr>
<td>PS6E</td>
<td>6.5&quot; 2-way biamplified studio monitors (pair)</td>
<td>$699.00</td>
<td>ONLY $531.00</td>
</tr>
<tr>
<td>PS8</td>
<td>8&quot; 2-way biamplified studio monitors (pair)</td>
<td>$849.00</td>
<td>ONLY $645.00</td>
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</tbody>
</table>

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**EVENT TRIA**

This monitoring system perfectly complements any digital audio workstation environment. The Tria three-piece monitoring system comprises a floor-loaded 8" subwoofer housed with five separate power amplifiers (80 watts each woofer, 40 watts each tweeter), active crossovers, and a full set of calibrated trim and level controls. These amplifiers power the two biamplified satellite speakers, each with a 5-1/4" polypropylene cone driver and 1" natural silk dome neodymium driver. Features: magnetically shielded; small footprint; reference-quality frequency response (down to 55 Hz for the satellite speakers, down to 35 Hz for the VLF driver). Priced as system.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRIA</td>
<td>5.25&quot;, 2-way biamplified studio monitors with subwoofer</td>
<td>$999.00</td>
<td>ONLY $758.00</td>
</tr>
</tbody>
</table>

* Non-inventory item subject to return restrictions.
**Studio Monitors**

**FOSTEX**

**PS-3.1**

A completely self-contained and versatile system, the Fostex PS-3.1 combines a 5.25" bass reflex sub-woofer and two satellite speakers, each featuring a 4" mid range driver plus 1" dome tweeter. The ported bass reflex design of the sub-woofer delivers a crisp, punchy bass response while the 2-way design satellite speakers yield maximum efficiency of the mid-range and high-frequency drivers. Stereo line level signals from a mixer feed a 15-watt amplifier for the sub-woofer, and a high-pass filter feeds two dedicated 5-watt amplifiers for the stereo satellite speakers. This system is also magnetically shielded to protect your video monitors.

**4206/4208**

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. Priced as pair. The 4208 offers an 8" LF Driver and 1" pure titanium dome tweeter. Priced as pair.

**JBL**

**4400A SERIES**

JBL’s 4400A series studio monitors have become one of the most frequently asked-for speakers in the broadcast industry. Included in the series are the 4408A (8", 2-way), 4410A (10", 3-way) and the 4412A (12", 3-way). Quality components and circuitry produce smooth, accurate audio monitoring. JBL has given the 4400As an improved look with matte grey laminate finish and charcoal grille cloth. Priced as each.

**GENELEC**

**1029A SERIES**

Perfect for near-field monitoring, 1029A's will activate your space with precise imaging and dynamics. Their full-featured design makes them well suited for any control room. Left and right monitors have 5" bass drivers and 3/4" treble drivers. Amplification is 40 watts per driver. Priced as each.

**JBL**

**LSR SERIES**

The Linear Spatial Reference (LSR) studio monitors combine JBL's latest in transducer and system technology with recent breakthroughs in psychoacoustic research to provide a more perfect studio reference. Features: Differential Drive® technology with dynamic braking for extended low frequency response and low power compression; titanium composite high frequency device with elliptical oblate spheroidal waveguide and damped pole piece; carbon fiber composite baffle for low cabinet resonance and stable inertial ground. LSR25P are biamped two-way monitors with a 5.25" low frequency transducer and 1" high frequency titanium transducer. Amplifiers supply 80 watts to the LF and 40 watts to the HF. LSR28P are biamped 8" monitors (200 watts for the LF/100 watts for the HF). LSR32 are 3-way passive monitors featuring a 12" woofer, 2" midrange and 1" tweeter to provide the greatest audio range and accuracy. All are priced as each.

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*Non-inventory item subject to return restrictions.*
JBL CONTROL SERIES

These speakers not only sound great, they combine rugged construction with a variety of mounting options for maximum flexibility. Control 1 is a two-way system with 6 1/2" low frequency speaker and a polycarbonate dome tweeter. Frequency response is 39 Hz - 22.5 kHz. Control 5 features a 6 1/2" woofer and larger cabinet for extended bass response. Both are priced as pair.

CONTROL 1
Mfr. List $198.00
ONLY $125.00

CONTROL 5
Mfr. List $245.00
ONLY $145.00

MACKIE HR824

Mackie's high-performance HR824 monitors offer superb audio precision. The stereo sound field is wide, deep and incredibly detailed. High frequencies and low frequencies are clean and articulated. The speakers are perfectly matched by an engineer using an oscilloscope and yes, the frequency response is extremely flat (±1.5 dB from 39 Hz to 22.5 kHz). Features: flat frequency response out to 40 kHz; 2-way design (8.75" LF, 1" HF); bi-amplification (40 watts LF, 27 watts HF); XLR and 1/4" inputs; magnetic shielding.

HR824 8.75", 2-way biamped studio monitor (each)
Mfr. List $749.00
ONLY $659.00

YAMAHA NS10MS

The industry standard Yamaha NS-10MS studio speaker system has been created specifically for close-field monitoring in professional sound studios. Optimum 7" woofer/1" 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. Priced as pair.

NS10MS 7", 2-way studio monitors (pair)
Mfr. List $478.00
ONLY $378.00

YAMAHA MSP5/MSP10/SW10

The Yamaha MSP5 biamped monitors deliver extraordinary sound quality at an equally extraordinary price. Features: flat frequency response out to 40 kHz; 5" woofer and 1" titanium tweeter; bi-amplification (40 watts LF, 27 watts HF); XLR and 1/4" inputs; magnetic shielding. MSP10s are a larger 2-way design (8" LF, 1" HF) with greater amplification (120 watts/60 watts). The SW10 powered subwoofer uses a 10" low frequency driver and 180 watts amplifier to deliver low frequency information. All are sold as each.

MSP5 5", 2-way biamped studio monitor (each)
Mfr. List $299.00
ONLY $249.00

MSP10 8", 2-way biamped studio monitor (each)
Mfr. List $749.00
ONLY $599.00

SW10 10" amplified subwoofer
Mfr. List $849.00
ONLY $679.00

TANNOY REVEALACTIVE

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; magnetically shielded for use close to video monitors; balanced XLR and unbalanced RCA inputs. Priced as pair.

REVEALACTIVE 6.5", 2-way biamped monitors (pair)
Mfr. List $899.00
ONLY $810.00

DYNASTAR SPEAKER KNIFE II

This adjustable, high-speed transient/overload protector covers lightning speed transients (over excursions), power overloads (blown voice coil) and amplifier failures (constant DC). Once triggered, the Speaker Knife II cuts the audio out – then instantly resets when ready.

SPEAKERKNIFE speaker overload protector
Mfr. List $89.99
ONLY $78.00

BS SERIES

BS342 is a sturdy steel monitor stand (triangle base) at a fixed height of 42". The large, sturdy metal shelf comes with soft rubberized padding to reduce vibration. BS336 is set at a fixed height of 36". BS315 is a variable height monitor stand (31.5" to 49.25"). All are priced as pair.

BS342 42-inch fixed monitor stands (pair)
Mfr. List $150.00
ONLY $134.00

BS336 36-inch fixed monitor stands (pair)
Mfr. List $150.00
ONLY $125.00

BS315 height-adjustable monitor stands (pair)
Mfr. List $180.00
ONLY $135.00

BELDEN/HOSA SPEAKER WIRE

We stock high-quality, 14 AWG speaker wire in 100 ft. lengths. Order today.

SPEAKERWIRE 14 AWG speaker wire - 100 ft.
Mfr. List $47.00
ONLY $30.00

SPEAKER CABLE

SPEAKERWIRE 14 AWG speaker wire - 100 ft.
Mfr. List $78.75
ONLY $44.00

SPEAKER WIRE Belden/Hosa 14 AWG speaker wire - 25 ft.
Mfr. List $78.75
ONLY $44.00

OMNIMOUNT/QUIKLOK 100WABC

This popular wall speaker mounts holds the speaker at a 45 degree angle with a maximum load of 55 lbs. Black color. Priced as pair.

100WABCPR wall speaker mount up to 55 lbs. (pair)
Mfr. List $99.90
ONLY $142.00

QL/60

The QL/60 offers adjustable support for speakers weighing up to 60 lbs. Unit can be mounted for right/left or up/down pivoting. Priced as each.

QL/60 60 lb. wall speaker mount (each)
Mfr. List $60.00
ONLY $45.00

QUIKLOK BS SERIES

BS342 is a sturdy steel monitor stand (triangle base) at a fixed height of 42". The large, sturdy metal shelf comes with soft rubberized padding to reduce vibration. BS336 is set at a fixed height of 36". BS315 is a variable height monitor stand (31.5" to 49.25"). All are priced as pair.

BS342 42-inch fixed monitor stands (pair)
Mfr. List $160.00
ONLY $134.00

BS336 36-inch fixed monitor stands (pair)
Mfr. List $150.00
ONLY $125.00

BS315 height-adjustable monitor stands (pair)
Mfr. List $180.00
ONLY $135.00

* Non-inventory item subject to return restrictions.
Seeing is Believing!

The new Furman MS2ADV-1 assures you that your audio and video signals have made it successfully through critical signal chains. Housed in a compact, durable, single rack space chassis, the MS2ADV-1 is the perfect addition to any system where remote confidence monitoring is necessary. Test carts, mobile trucks, and equipment closets are just a few of the applications where confidence monitoring is essential.

The feature packed MS2ADV-1 includes analog and digital audio monitoring using two high visibility, 14 segment meters, a pair of high output magnetically shielded speakers, and a 1.8" color LCD TFT display that auto senses NTSC/PAL. Rear panel features include two analog balanced inputs and outputs on XLR's, an AES/EBU BNC input, a baseband video BNC input, signal present indicators on all audio inputs and outputs, and +/- gain controls on rear panel auxiliary outputs. The MS2ADV-1 is perfect for worldwide use as it utilizes a universal power supply.

- 1.8" color LCD TFT display auto senses NTSC/PAL
- Two channels of analog/digital audio monitoring plus video in 1RU
- Wide-range, high visibility, 14 segment meters with dimmer
- High output magnetically shielded speakers
- +4 dBu or +8 dBu meter reference, front panel selectable
- Signal present indicators on all analog and digital I/O ports

www.furmansound.com

ATLAS

MVXA SERIES

Atlas-Soundolier's single rack space MVXA monitor panels are active devices for aural and visual monitoring of eight or sixteen different speaker and line level circuits in any combination. Each input is individually selectable using an easy-to-position jumper. MVXA's offer easy visual assessment using twelve-segment LED bar graphs that provide 33 dB of resolution and monitor any combination of line level (1V reference) 25 Vrms, 70 Vrms and 100 Vrms simultaneously. The bottom ten LEDs are green and have a VU ballistics response. The two red LEDs at the top of the bar graph are peak to provide instantaneous level indication. LED meter sensitivity is -30 dB to +30 dB. Units offer the capability to aurally monitor individual channels via an internal speaker, headphone jack, line level output or output to an external speaker. Panel functions include a channel selection knob, channel audible monitoring level control and headphone jacks.

- **MVXA2008**
  - 8-channel monitor panel
  - Mfr. List $1,356.33
  - ONLY $802.00
- **MVXA2016**
  - 16-channel monitor panel
  - Mfr. List $1,661.11
  - ONLY $981.00

FURMAN

MS2AD-1/MS4AD-1

Furman's MS2AD-1 provides 14 segments of level monitoring for each selected audio source in VU or PPM ballistics mode. An analog/digital selector with indicator allows simple and glitch-free switching between sources. A dimmer control allows the meters to be adjusted to suit user taste and variations in the environment. The digital input can accommodate up to 24-bit/96 kHz stereo digital signals in AES/EBU format via rear panel BNC. Converters provide up to 8X oversampling, with a dynamic range of 95 dB. A phase indicator displays the phasor relationship of the two sources being monitored. Features: 2 channels of analog/digital audio monitoring; magnetically shielded speakers; wide-range, high-visibility meters with dimmer; low distortion headphone amplifier; +4 dBu or +8 dBu meter reference, front-panel selectable; speaker mute switch; signal present indicators on all I/O ports; VCA volume and left/right balance controls; three-year limited warranty.

MS4AD-1 provides 4 channels of analog/digital audio monitoring.

- **MS2AD1**
  - 2-channel analog/digital audio monitor
  - Mfr. List $1,199.00
  - ONLY $868.00
- **MS4AD1**
  - 4-channel analog/digital audio monitor
  - Mfr. List $1,499.00
  - ONLY $1,129.00

WOHLER

AMP-1A

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. The AMP1A contains five high performance transducers driven by three power amplifiers: two amplifier/driver combinations handle midrange and high-frequency information in stereo, while the third center channel reproduces information below the 500 Hz crossover point. This unique design has two important advantages. First, it provides optimally focused sound for operators in the ultra-near-field (1 to 3 ft.) working environment. This allows higher SPL for the operator while reducing overall ambient sound and adjacent bay crosstalk. Second, electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds. Features: 98 dB SPL at 2 feet; excellent HF response for positive detection of background whine and noise; audible indication of phase/polarity problems; headphone jack; magnetic shielding for placement next to video monitors; quick and easy installation: simply slide in the rack and connect audio and AC power; balanced and unbalanced inputs.

- **AMP1**
  - amplified audio monitoring system
  - Mfr. List $715.00
  - ONLY $647.00

* Non-inventory item subject to return restrictions.
Wohler Speaker Systems, see page 96

**AMP1A**
The unit that started the rack speaker revolution. Compact (1U) and convenient quality audio monitoring direct from your rack. We offer models for all applications & budgets.

**AMP2-VSDA**
Top of the line speaker system accepts SDI and AES digital inputs together with analog. Features powerful 104dB high quality output, four level meters and phase indication. Decodes and/or demuxes digital signals.

Wohler Level Meters, see page 5

**LM106-6**
6 channels of 106-segment, ultra-high resolution tri-color LED bargraphs. Mounted horizontally in 1U chassis. Also Available with Dolby Digital Decoder.

**LM53-24**
Monitor 24 channels of audio in only 2U. Features 24 channels of 53 segment, high resolution tri-color LED bargraph displaying audio levels. Unit is mounted vertically in a 2U chassis.

PANORAMAdtv LCD Video Monitors, see page 126

**VAMP-24**
Excellent unit for monitoring both audio and video directly from the rack. High quality color LCD video monitor offers confidence monitoring from either of two composite analog video inputs, auto-sense NTSC/PAL. Audio features internal or external speaker switch - no need for separate amplifier. 4 channel Input selection and 4 high resolution 53 segment tri-color level meters.

**VAMP-2SDI**
Same features as the VAMP-24 analog unit, with the added capability of accepting SDI and AES digital inputs. Converts SDI to analog composite video and offers output for use with larger external video monitors. All this in only 2U of rackspace.

**MON4-3**
Quad LCD color monitor in only 3U of rackspace. 4 High quality and very bright LCD monitors. Features adjustable viewing angle, full picture control, auto-sensing for NTSC / PAL and mix & match analog and digital video inputs. Perfect for confidence monitoring of multiple video feeds for mobile trucks, news and control room applications.

*www.wohler.com*  
*www.panoramadtv.com*
PA Speakers and Stands

ELECTRO-VOICE
SX SERIES

Electro-Voice engineers have developed several state-of-the-art professional loudspeaker systems. The SX500+ is a 15-inch, two-way biamplified speaker system featuring a vented-horn woofer section. The SX500+ will handle 400 watts of power. It's lightweight 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.

The SX300A has a smaller 12-inch woofer, but includes a 300-watt amplifier. The SX100PLUS is a compact, two-way 12-inch medium-throw, full-range system which handles 200 watts of power. The SX80BP is a two-way, 8-inch short-throw system which handles 175 watts of power. All are priced as each.

*SX500+
15”, 2-way PA speaker (each)
Mfr. List $1,050.00
ONLY $699.00

*SX300A
12”, 2-way amplified PA speaker (each)
Mfr. List $1,422.00
ONLY $949.00

*SX100PLUS
12”, 2-way PA speaker (each)
Mfr. List $546.00
ONLY $359.00

SX80BP
8”, 2-way PA speaker (each)
Mfr. List $334.00
ONLY $220.00

JBL
EON15G2

The EON15 G2 is a full range professional speaker with an integrated amplifier and basic mixer built into one package. This cost-effective, versatile system is ideal for radio remotes, bands, clubs, schools, churches, A/V houses, hotels and many others. EON’s input section allows both mic and line level inputs. In addition, the new Loop/Mix output allows you to daisy-chain EON speakers or send signal directly to the main PA. JBL’s exclusive Neodymium Differential Drive® transducer provides superior audio performance while reducing weight. Thermonaster® technology prevents thermal problems often exhibited in competitive products and eliminates the need for cooling fans and ugly external heatsinks, even at high volumes. With the EON15 G2’s additional power, you get cleaner, clearer sound at any volume. The EON Power 10 is a 10”, 2-way amplified PA speaker with 125 watts power. Priced as each.

*EON15G2
15”, 2-way biamped PA speaker system (each)
Mfr. List $849.00
ONLY $699.00

*EON10P
10”, 2-way amplified PA speaker (each)
Mfr. List $553.00
ONLY $467.00

MACKIE
SRM450/C300I

SRM450’s are powerful PA speakers accurate enough to be called monitors. Active sound reinforcement brings truckloads of power to any event, yet offers the listening criteria reserved for high-end studio monitors in an live sound environment.

Features: 2-way design (12” LF, 1.75” HF); bi-amplification (300 watts/150 watts); built-in precision 24 dB/oct electronic crossover; dispersion horn design; high SPL output/ extremely low distortion; electronic time correction, phase alignment and equalization.

C300i are passive monitors with 300-watt power handling capability. 1/4” connectors. Priced as each.

SRM450
12” 2-way biamped PA speaker (each)
Mfr. List $899.00
ONLY $779.00

C300i
12” 2-way PA speaker (each)
Mfr. List $499.00
ONLY $399.00

ATLAS/QUICKLOK/ULTIMATE
SS33E

This heavy-duty aluminum speaker stand supports up to 150 lbs. Height adjusts from 48” to 85”. Several mount adaptors available.

SS33E
height-adjustable PA speaker stand (each)
Mfr. List $185.00
ONLY $105.00

SP 180 SERIES

The SP180 tripod is a lightweight, yet sturdy aluminum stand for support of speakers up to 200 lbs (extends from 3’6” to 6’4”). Superior air-cushion design and 1-3/8” center tube gently lowers speaker cabinets, eliminating sudden drops.

SP180BK
height-adjustable black PA speaker stand (each)
Mfr. List $120.00
ONLY $84.00

SP180SR
height-adjustable silver PA speaker stand (each)
Mfr. List $110.00
ONLY $75.00

TS80 SERIES

These sturdy, lightweight aluminum stands can support speakers up to 150 lbs. The TS80 adjusts in height from 3’8” to 6’7”; the TS88 adjusts in height from 5’2” to 9’2”. The TS-88TL features an extendable leg that allows two legs to sit on a raised surface such as a stage stair, while the extended leg reaches to the floor to hold it level and secure. Silver color. Black available at extra cost.

TS80T
6’7” PA speaker stand (each)
Mfr. List $107.00
ONLY $77.00

TS88T
9’2” PA speaker stand (each)
Mfr. List $126.00
ONLY $90.00

TS88TL
9’2” PA speaker stand with articulating leg (each)
Mfr. List $156.50
ONLY $112.00

* Non-inventory item subject to return restrictions.
FENDER PASSPORT SERIES

Truly unique, the Fender Passport is a totally self-contained portable sound system complete with a self-powered 4-channel mixer, 2 full-range speaker units, 2 dynamic cardioid microphones and all the necessary connection cables. Setup takes no more than five minutes and the audio performance is excellent. Features: 250 watts of pure stereo power at 8 ohms (125 WPC); 4-channel, 8-input mixer; 2 additional stereo channels; sophisticated one-touch equalization; digital reverb with remote bypass; eight 6.5” high-efficiency drivers in two cabinets; switchable line voltage for international use; 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. Complete your PA system with many accessories designed specifically for your Fender package. The P250WIRELESS microphones plug into the back of the system. Each consists of a cardioid condenser mic, transmitter and receiver. The 12VDC-DC power converter enables the Passport system to operate on 12-volt battery power. Take along the BATTERYPACK and you have a rechargeable 12-volt DC battery pack for use with the converter. For mounting speakers up high, purchase the ST275 black anodized aluminum tripod stands. The Passport TRAVELPACK consists of a specially fitted luggage cart and heavily padded travel cover to make transporting a snap.

FENDER PASSPORT ACCESSORIES

P250WIRELESS wireless mic system for Fender P250
Mfr. List $300.00
ONLY $210.00

*12VDC-DC 12-volt adaptor for Fender P250
Mfr. List $150.00
ONLY $108.00

BATTERYPACK rechargeable 12-volt power for P250
Mfr. List $200.00
ONLY $143.00

*ST275 speaker tripod pair for Fender P250
ONLY $165.00

TRAVELPACK cover and travel cart for Fender P250
ONLY $86.00

MACKIE 406/808 SERIES

Mackie has six tough, hit-the-road mixers with plenty of power (up to 1200 watts) to drive your PA speakers. Choose from models with 6 channels (all mono) up to 8 channels (6 mono, 2 stereo). Features: 32-bit digital effects processor with 16 different effects and 2 controllable parameters per effect; input gain control; twin power amplifiers; inserts on channels 1-6; 3-band EQ on each channel; phantom power and more.

406M 500-watt, 6-channel mono mixer
Mfr. List $699.00
ONLY $549.00

408M 500-watt, 8-channel mono mixer
Mfr. List $799.00
ONLY $649.00

408S 500-watt, 8-channel stereo mixer
Mfr. List $899.00
ONLY $749.00

808M 1200-watt, 8-channel mono mixer
Mfr. List $899.00
ONLY $749.00

808S 1200-watt, 8-channel stereo mixer
Mfr. List $999.00
ONLY $849.00

MACKIE SRM450/C300I

SRM450’s are powerful PA speakers accurate enough to be called monitors. Active sound reinforcement brings truckloads of power to any event, yet offers the listening criteria reserved for high-end studio monitors in an live sound environment. Features: 2-way design (12” LF, 1.75” HF); bi-ampification (300 watts/150 watts); built-in precision 24 bit/oct electronic crossover; dispersion horn design; high SPL output; extremely low distortion; electronic time correction, phase alignment and equalization.

C300I are passive monitors with 300-watt power handling capability. Priced as each.

SRM450 12” 2-way bass amplified PA speaker (each)
Mfr. List $899.00
ONLY $779.00

C300I 12” 2-way PA speaker (each)
Mfr. List $499.00
ONLY $399.00

* Non-inventory item subject to return restrictions.
ARRAKIS
MODFLEX1

The popular Modulux Flex Studio furniture package can be assembled in dozens of different ways to meet nearly any studio design. It can be assembled left or right-handed as well as in three standard configurations: Short L, Long L and Unbalanced U. All pedestal returns have front equipment racks and rear access doors. The table pedestals have both inside and outside access doors. The tabletop equipment pod provides rack mount space for tabletop equipment. A 60-inch interview table is standard. The console table is 36" deep and 45" wide to accommodate most consoles. And a 37" wide, console spanning, copy stand completes the package.

Modulux is a top-selling studio furniture system with nearly 2000 studios sold worldwide. It features solid oak trim, high pressure laminate table surfaces, complete laminate finish inside and out, ease of assembly and fast delivery from factory stock.

OPTIMIZED
for Audio and Video Production

MIDDLE ATLANTIC
EDIT CENTER SERIES

Middle Atlantic's Edit Center studio furniture has been specifically designed for the rigorous demands of audio and video editing and post-production environments. Featuring two choices of high-pressure laminate desktops (cherry or graphite), the Edit Center system can be quickly arranged by simply rotating the unique side bay racks to the desired angle. Desks are available in two widths (60" and 84") and are designed with overbridges that fit multiple monitors at easy viewing angles. Each system comes complete with your choice of two styles of attached overbridge (with two under-bridge rackbays or with an underbridge open span), and features rotating speaker monitor platforms as standard equipment. Side bay racks are available with plexiglass front doors and gasketed rear doors with ultra-low-noise cooling fans. Call today.

* Non-inventory item subject to return restrictions.
MIDDLE ATLANTIC
MULTIDESK SYSTEM 2

MultiDesk System 2 gives you the flexibility to create the ideal workstation from only six interchangeable components. The popular System 2 studio furniture line is equally suited for the on-air or recording studio. Any system component may be connected with any other, allowing you to set up your furniture for the way you work. The lower 26.5" kiesktop height is ideal for hands-on production and the attractive gray-speckled, pressure-laminated top resists damage and is supported by heavy-duty 2" steel tube legs for stability.

Call BSW today to select the right components for your work space.

MD2CNR1  corner desk w/ flat overbridge  Mfr. List $722.00  ONLY $431.00
MD2CNR3  corner desk w/ raised overbridge  Mfr. List $800.00  ONLY $477.00
MD2DSK  straight desk  Mfr. List $489.00  ONLY $292.00
MD2R12  side rack, multidesk series  Mfr. List $244.00  ONLY $146.00
MD2086  overbridge for Middle Atlantic MD2R12  Mfr. List $144.00  ONLY $86.00
MD2W  connecting wedge, multidesk series  Mfr. List $107.00  ONLY $64.00

OMNI RAX
FORCE SERIES

OmniRax Force12 and Force24 are elegant and expansive workstations for audio/video editing and music production. Both are available in black melamine laminate or in combination with maple or mahogany formica desk and riser surfaces, creating a beautiful environment with a high-end look. The curved workstations come in two different overbridge designs: Force12 (18x80-inch table) has three 8-space rack units underneath the overbridge. Force24 (28x85-inch table) offers two larger 12-space racks underneath the desk.

OmniRax PowerStation ST is a popular economical mixing station with straight sides and slightly less thick construction. But what it lacks in glamour it makes up in functionality. It features audio racks located both underneath and above the worksurface.

SAVE at BSW
Complete audio/video mixing stations from OmniRax.
Call and order today!

FRC12-B  Force 12-Series desk (black)  Mfr. List $1,450.00  ONLY $1,173.00
FRC12-MF  Force 12-Series desk (mahogany)  Mfr. List $1,700.00  ONLY $1,375.00
FRC12-MAF  Force 12-Series desk (maple)  Mfr. List $1,700.00  ONLY $1,375.00
FRC24-B  Force 24-Series desk (black)  Mfr. List $1,450.00  ONLY $1,173.00
FRC24-MF  Force 24-Series desk (mahogany)  Mfr. List $1,700.00  ONLY $1,375.00
FRC24-MAF  Force 24-Series desk (maple)  Mfr. List $1,700.00  ONLY $1,375.00
PSST-B  Powerstation desk (black)  Mfr. List $1,280.00  ONLY $1,021.00
PSST-MF  Powerstation desk (mahogany)  Mfr. List $1,530.00  ONLY $1,205.00
PSST-MAF  Powerstation desk (maple)  Mfr. List $1,530.00  ONLY $1,205.00

* Non-inventory item subject to return restrictions.
Equipment Racks

MIDDLE ATLANTIC

WRS4

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
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<tbody>
<tr>
<td>*WRS4</td>
<td>4-space wall rack</td>
<td>$311.00</td>
<td>ONLY $186.00</td>
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<tr>
<td>*WRS6</td>
<td>6-space wall rack</td>
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<td>ONLY $271.00</td>
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<tr>
<td>*WRS8</td>
<td>8-space wall rack</td>
<td>$356.00</td>
<td>ONLY $289.00</td>
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</table>

MIDDLE ATLANTIC

SLIM 5 SERIES

A versatile rack frame system, the Slim 5 provides a rugged, cost effective way to build out your studios and engineering rooms with the rack space you need. Features: patented bolt-together design ships knocked down via UPS; mechanically interlocking corner for exceptional strength; heavy-duty 14-gauge steel top and bottom; 2 pairs fixed-position 11-gauge threaded 10-32 front and rear rack rail; can be ganged together with or without optional cable chase; 19-1/8" OD width; finished in a durable black powdercoat. Optional oak or painted metal side panels available.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-43</td>
<td>43-space (75.25&quot;) equipment rack</td>
<td>$371.25</td>
<td>ONLY $222.00</td>
</tr>
<tr>
<td>S-37</td>
<td>37-space (64.75&quot;) equipment rack</td>
<td>$355.75</td>
<td>ONLY $212.00</td>
</tr>
<tr>
<td>S-29</td>
<td>29-space (50.75&quot;) equipment rack</td>
<td>$339.00</td>
<td>ONLY $202.00</td>
</tr>
<tr>
<td>S-21</td>
<td>21-space (36.75&quot;) equipment rack</td>
<td>$308.00</td>
<td>ONLY $184.00</td>
</tr>
<tr>
<td>S-14</td>
<td>14-space (24.5&quot;) equipment rack</td>
<td>$273.50</td>
<td>ONLY $163.00</td>
</tr>
</tbody>
</table>

MIDDLE ATLANTIC

RK SERIES

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. 15 7/8" deep. Options: rear padded, spring-loaded handles; sliding top mounted for balance; fully adjustable 10-32 threaded front rackrail; finished in a durable textured black powder coat.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RK-4</td>
<td>4-space (7&quot;) equipment rack</td>
<td>$102.00</td>
<td>ONLY $61.00</td>
</tr>
<tr>
<td>RK8</td>
<td>8-space (14&quot;) equipment rack</td>
<td>$127.00</td>
<td>ONLY $76.00</td>
</tr>
<tr>
<td>RK12</td>
<td>12-space (21&quot;) equipment rack</td>
<td>$134.00</td>
<td>ONLY $80.00</td>
</tr>
<tr>
<td>RK16</td>
<td>16-space (28&quot;) equipment rack</td>
<td>$144.00</td>
<td>ONLY $86.00</td>
</tr>
<tr>
<td>RK20</td>
<td>20-space (35&quot;) equipment rack</td>
<td>$160.00</td>
<td>ONLY $96.00</td>
</tr>
<tr>
<td>*SRK</td>
<td>sloped rolling equipment rack</td>
<td>$311.00</td>
<td>ONLY $186.00</td>
</tr>
</tbody>
</table>

ATLAS SOUNDOLIER

900-19

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 the necessary hardware is furnished.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>900-19</td>
<td>19&quot; tall equipment rack</td>
<td>$215.00</td>
<td>ONLY $141.00</td>
</tr>
<tr>
<td>900-28</td>
<td>28&quot; tall equipment rack</td>
<td>$238.00</td>
<td>ONLY $156.00</td>
</tr>
</tbody>
</table>

MIDDLE ATLANTIC

PTRK-14/PTRK-21

PTRK rolling racks are perfect for portable applications. Features: welded construction for a substantial 500 lb. weight capacity; 16-gauge steel throughout; smooth-rolling 4" cushion casters; locking front and rear doors standard; rubber padded; spring-loaded handles top mounted for balance; fully adjustable 10-32 threaded front rackrail; finished in a durable textured black powder coat.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTRK14</td>
<td>14-space (34&quot;) rolling equipment rack</td>
<td>$585.00</td>
<td>ONLY $349.00</td>
</tr>
<tr>
<td>PTRK21</td>
<td>21-space (46&quot;) rolling equipment rack</td>
<td>$617.50</td>
<td>ONLY $368.00</td>
</tr>
</tbody>
</table>

NIGEL B.

ALDRS/RS-STD/1015-STD

The Nigel B. ALDRS desktop stand features a 13RU (22.75") open frame with angle adjustment. The RS-STD heavy-duty portable rack is ideal for any rackmount equipment such as mixers, processing gear or test equipment. Features: upper rack with 13 rack spaces can tilt to desired angle. Rack in the pedestal base has 7 spaces. The 1015-STD roll-around rack stand with adjustable top section features 10 rack spaces on the top frame with 15 rack spaces below.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALDRS</td>
<td>desktop equipment rack</td>
<td>$400.00</td>
<td>ONLY $188.00</td>
</tr>
<tr>
<td>RS-STD</td>
<td>roll-around equipment rack</td>
<td>$400.00</td>
<td>ONLY $375.00</td>
</tr>
<tr>
<td>*1015-STD</td>
<td>roll-around equipment rack</td>
<td>$400.00</td>
<td>ONLY $375.00</td>
</tr>
</tbody>
</table>

For Portable Rack Cases

See Page 83

* Non-inventory items subject to return restrictions.
MIDDLE ATLANTIC

CDRACK
7" high (4-space) unit holds 40 CDs. Brushed, black anodized finish.

CDRACK  storage rack
Mfr. List $102.25 ONLY $51.00

CLAW
Easily organize and keep your patch cords from getting tangled with the claw.

CLAW wall mount cable hanger
Mfr. List $14.00 ONLY $9.00

D3
Fully enclosed drawer with ball-bearing slides is 14.5" deep. Also available in 2-, 4-, 5- and 8-space versions. Options: key lock.

D3 3-space rack drawer
Mfr. List $162.00 ONLY $97.00

DAT
5-1/4" (3-space) unit holds 27 DATs. Brushed, black anodized finish.

DAT DAT storage rack
Mfr. List $79.00 ONLY $48.00

EB SERIES
Middle Atlantic makes quality rack equipment and these blank panels are no exception. Choose from 1-, 2-, 3- and 4-rack-space panels.

EB1 1-space blank rack panel
Mfr. List $8.00 ONLY $5.00

EB2 2-space blank rack panel
Mfr. List $11.00 ONLY $7.00

EB3 3-space blank rack panel
Mfr. List $13.00 ONLY $8.00

EB4 4-space blank rack panel
Mfr. List $16.00 ONLY $10.00

EVT1
Flanged steel vent panels with black finish.

EVT1 1-space vent rack panel
Mfr. List $10.00 ONLY $6.00

EVT2 2-space vent rack panel
Mfr. List $13.00 ONLY $8.00

FAN
115-volt fan features smooth, ball-bearing design for quiet operation. 4-1/2" size fits FP1, FP-2 and FP-3 fan panels. Hardware and cord included.

FAN fan
Mfr. List $54.00 ONLY $33.00

FP1
These fan panels, made from 16-gauge flanged aluminum, accept 4-1/2" fans. Panels are three rack spaces high and finished in black brushed finish. TFP models feature black textured finish.

FP1 fan panel for 1 fan
Mfr. List $30.00 ONLY $18.00

FP-2 fan panel for 2 fans
Mfr. List $41.00 ONLY $25.00

FP-3 fan panel for 3 fans
Mfr. List $43.00 ONLY $26.00

TFP1 fan panel for 1 fan
Mfr. List $31.00 ONLY $19.00

TFP2 fan panel for 2 fans
Mfr. List $33.00 ONLY $20.00

TFP-3 fan panel for 3 fans
Mfr. List $36.00 ONLY $22.00

HW500
Here's a large quantity of 500 3/4" long screws with 10-32 threads. A pre-installed nylon cup washer speeds installation while providing a clean, professional appearance.

HW500 500 rack screws/washers
Mfr. List $100.00 ONLY $60.00

RC-3
For components that require scratch-free security, the RC-3 three-space rack uses rubber-lined clamps. Other rack sizes available.

RC3 clamping rack
Mfr. List $69.00 ONLY $42.00

RM-CPU
Occupying 5 spaces, the RM-CPU features 16 gauge steel construction and 1/8" thick aluminum face. Holds your PC computer securely.

RM-CPU computer chassis rack
Mfr. List $656.00 ONLY $391.00

RMKB
The one-space keyboard rack mount includes a high-quality standard AT-style, 101-key keyboard.

RMKB computer keyboard rack
Mfr. List $534.00 ONLY $319.00

RMMM
Equipped with a hinged front access door and plexiglass front panel, the 9-space computer monitor rack mount fits nearly any 14" monitor.

RMMM computer monitor rack
Mfr. List $534.00 ONLY $259.00

SECL2/SECL4
Keyed plexiglass hinged security cover.

SECL2 2-space security cover
Mfr. List $54.50 ONLY $33.00

SECL4 4-space security cover
Mfr. List $64.00 ONLY $39.00

U2
This heavy-duty metal 2-space rack shelf will hold your recording and audio processing equipment. Fits equipment up to 17-3/8" wide.

U2 2-space utility shelf
Mfr. List $56.00 ONLY $28.00

UTR1
Universal mounting hole pattern works with many 1/2 rack units.

UTR1 1/2 rack universal shelf
Mfr. List $28.00 ONLY $17.00

VHS
8 3/4" (5-space unit) holds 72 VHS tapes. Brushed, black anodized finish.

VHS VHS storage rack
Mfr. List $100.00 ONLY $60.00

NIGEL B.

4CD
A full 18" deep, this rack drawer features ball-bearing sliders and holds 72 CDs in separate slots. Options: key lock.

4CD CD rack drawer
Mfr. List $190.00 ONLY $179.00

NIGEL B.

2DATD
18" deep drawer holds 92 DAT tapes in separate slots. Ball bearing sliders. Options: key lock.

2DATD DAT rack drawer
Mfr. List $180.00 ONLY $169.00

RACK RELEASE
QR
Once in place, these quick release rack fasteners allow you to mount and unmount rack equipment without a screwdriver. 4 to a package.

QR 4 quick release rack fasteners
Mfr. List $6.00 ONLY $3.55

* Non-inventory item subject to return restrictions.
Rack Lighting and Power

LITTLITE

RL 10S

The Littlite Raktu comes complete with your choice of one or two 12" goosenecks, with bright 5-watt bulbs, dimmer rheostat, 6" cord and transformer. When mounted at the top of your rack, the RakLite provides illumination for an entire rack of audio equipment. The gooseneck light at the top of your rack, the RakLite provides illumination dimmer rheostat, 6" cord and transformer. When mounted RL1 OS complement any audio studio.

XLR connectors see the RLX series. Base for use with popular mixing consoles. For lamps with available in 6",12" and 18" models. They feature a BNC mounting hardware (6" and 18" sizes available at the same price).

*RL10S single rack light
Mfr. List $102.00
ONLY $92.00

RL10D dual rack light
Mfr. List $153.50
ONLY $138.00

LITTLITE LIGHTS AND ACCESSORIES

With their sleek, unobtrusive look, Littlites complement any audio studio. The 12"L-3/12 high-intensity light features a quartz halogen bulb, a dimmer control with off position, a wall plug-in transformer with 6" cord and permanent mounting hardware (6" and 18" sizes available at the same price).

The popular G-series lamps offer low-intensity bulbs, available in 6", 12" and 18" models. They feature a BNC base for use with popular mixing consoles. For lamps with XLR connectors see the RLX series.

L3/12 lamp set with attached 12" gooseneck
Mfr. List $59.00
ONLY $53.00

WB weighted base for Littlite L3/12
Mfr. List $14.00
ONLY $13.00

HTC high tension clamp
Mfr. List $9.00
ONLY $8.05

6G 6" gooseneck lamp w/ BNC connector
Mfr. List $26.00
ONLY $24.00

12G connector 12" gooseneck lamp w/ BNC
Mfr. List $28.00
ONLY $26.00

18G connector 18" gooseneck lamp w/ BNC
Mfr. List $30.00
ONLY $27.00

Q5 5-watt replacement bulb
Mfr. List $9.00
ONLY $8.05

1815 low intensity bulb
Mfr. List $3.00
ONLY $2.69

LITTLITE RLX SERIES

The high-quality RLX series rack lights consists of a black single space rack panel equipped with two 3-pin XLR connectors ready to receive one or two detachable Littlites (6", 12" or 18" lengths). The convenient dimmer allows you to adjust the brightness of the lamp to the desired intensity. The flexible gooseneck allows you to direct the light where desired.

*RLX lamp rack panel w/ two XLR lamp connectors
Mfr. List $95.00
ONLY $86.00

6X 6" gooseneck lamp w/ XLR connector
Mfr. List $32.00
ONLY $29.00

12X 12" gooseneck lamp w/ XLR connector
Mfr. List $34.00
ONLY $31.00

18X 18" gooseneck lamp w/ XLR connector
Mfr. List $36.00
ONLY $33.00

NIGEL B

12MHI

Nigel's 12" mini gooseneck lamp with weighted base is perfect for near-field lighting. Or choose the gooseneck lamp with BNC connector.

MH12S 12" gooseneck lamp with base
Mfr. List $42.00
ONLY $40.00

12MHI 12" gooseneck lamp w/ BNC connector
Mfr. List $42.00
ONLY $40.00

NIGEL B 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 12-outlet power strip with lamp socket
Mfr. List $150.00
ONLY $141.00

SP-B 8-outlet power strip
Mfr. List $140.00
ONLY $132.00

SPBLT 8-outlet power strip with lamp socket
Mfr. List $170.00
ONLY $160.00

6MHI 6" gooseneck lamp w/ BNC connector
Mfr. List $40.00
ONLY $38.00

FURMAN RACKRIDER SERIES

A Furman RackRider power conditioner and light module is the perfect accessory for any rack-mount system. Install one in the top slot of your rack, and the eight switched AC outlets on the rear panel will power up and protect your equipment. All are for use with 120 volt AC lines, and are rated at 15 amps (or a total load of 1800 watts, combining all outlets). The RR-15 and RR-15-PLUS feature two slide-out, swiveling light fixtures to provide discreet illumination of your equipment. The RR-15-PLUS adds a display of incoming AC line voltage. RR-15NL is similar to the RR-15, but without the rack lights.

RR15PLUS power conditioner w/ lights/AC display
Mfr. List $50.00
ONLY $48.00

RR15NL power conditioner
Mfr. List $79.00
ONLY $44.00

FURMAN AR1215/AR2330

Furman AC line voltage regulators protect audio, video, computer and electronic equipment from problems caused by AC line voltage irregularities.

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. AR-2330 Features: output voltage may be switched to whichever input AC line voltage is between 97V and 141V; eight outlets on back, one on the front; output capacity: 30 amps; either 220,230 or 240; regulation to ±10V AC; output capacity: 30 amps; six outlets on back, one on the front; eight-tap toroidal autoformer; LED-voltage and current meters; extreme voltage shutdown.

*AR-1215 AC voltage regulator
Mfr. List $599.00
ONLY $452.00

*AR-2330 AC voltage regulator
Mfr. List $1,895.00
ONLY $1,427.00

FURMAN ARPRO

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. AR-Pro includes twelve AC outlets on its rear panel and two in the front panel, each featuring spike and RFI protection.

*ARPRO worldwide AC voltage regulator
Mfr. List $2,295.00
ONLY $1,728.00

1 Non-Inventory item subject to return restrictions.
**Rack Power**

**FURMAN**

**IT1220**

Designed for the most critical, ultra-low-noise installations, the IT-1220 can supply 20 amps of balanced AC power. It drastically reduces hum and buzz caused both by ground currents from power supply filtering and by radiation from supply cables into sensitive signal sources, such as microphones. Features: up to 16 dB improvement in background noise floor in system-wide installations; toroidal transformer with center-tapped secondary is the most efficient design, with the least magnetic field leakage; soft start circuit prevents turn-on transients and high inrush currents; extreme voltage shutdown; spike suppression; RFI filtering and ground fault interrupter protection.

*IT1220 isolation transformer
Mfr. List $1,579.00  ONLY $1,189.00

**FURMAN**

**PL8/PL-PLUS**

This original, high-quality 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. It protects your equipment by combining a high voltage surge/transient suppressor with an RFI/EMI interference filter to keep out background noise floor in system-wide installations; toroidal transformer with center-tapped secondary is the most efficient design, with the least magnetic field leakage; soft start circuit prevents turn-on transients and high inrush currents; extreme voltage shutdown; spike suppression; RFI filtering and ground fault interrupter protection.

*PL8 power conditioner/light module
Mfr. List $159.00  ONLY $123.00

*PLPLUS enhanced power conditioner/light module
Mfr. List $229.00  ONLY $177.00

**FURMAN**

**PLUGLOCK**

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 locking outlet strip
Mfr. List $58.00  ONLY $45.00

**DR. FERD**

**PSA**

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 power transformer extender
Mfr. List $9.00  ONLY $9.00

**BRYCO**

**PORTABLE CASES**

If travelling with your media, these high-impact molded plastic DAT/MiniDisc racks in cordura carrying cases are superb. The smaller model holds 8 DATs or 16 MDs. The larger model holds 40 DATs or 80 MDs. Carrying cases are made specific to DAT or MD size due to the differences in media height.

*DP8 carry case - holds 8 DAT
Mfr. List $15.95  ONLY $15.00

*DP16 carry case - holds 16 DAT
Mfr. List $21.95  ONLY $21.00

*DP40 carry case - holds 40 DAT
Mfr. List $39.95  ONLY $38.00

*MDS16 carry case - holds 16 MD
Mfr. List $15.95  ONLY $15.00

*MDS32 carry case - holds 32 MD
Mfr. List $23.95  ONLY $21.00

*MDS80 carry case - holds 80 MD
Mfr. List $39.95  ONLY $38.00

**SOHO**

**CD2**

These inexpensive, heavy-duty racks hold 12 CDs each in stackable, wall-mountable units. The modular system can be expanded in four directions. Each order includes 2 units to hold a total of 24 CDs. Model CD2 is black. Model RMR2 is available in putty or gray. Please specify.

*CD2 CD holders (x2) - black
Mfr. List $7.00  ONLY $5.50

*RMR2 CD holders (x2) - putty or gray
Mfr. List $7.00  ONLY $7.00

**BRYCO**

**MEDIA STORAGE RACKS**

These high-quality oak DAT/MD racks are available in natural oak or high-tech black oak. Each holds 60 DATs or 120 MDs and can be mounted horizontally or vertically. Dimensions: 21 3/8" x 9 1/2" x 2".

Also available are high-impact molded plastic racks holding 8 DAT/16MD or 40 DAT/80MD. For CDs, choose from beautiful natural oak, high-tech black oak or high-impact plastic. Each holds 60 CDs. Oak dimensions: 21 5/8" x 11 1/4" x 4 3/4". Plastic dimensions: 15 3/4" x 13 3/4" x 4 3/4".

*DR60 oak rack - holds 60/120 DAT/MD
Mfr. List $59.95  ONLY $57.00

*DR80 black oak rack - holds 60/120 DAT/MD
Mfr. List $59.95  ONLY $57.00

*DRP8 plastic rack - holds 8/16 DAT/MD
Mfr. List $5.95  ONLY $5.25

*DRP16 plastic rack - holds 16/32 DAT/MD
Mfr. List $21.95  ONLY $19.00

*CD60 oak rack - holds 60 CD
Mfr. List $64.95  ONLY $61.00

*CD60 black oak rack - holds 60 CD
Mfr. List $64.95  ONLY $61.00

*CDS80W wall CD rack - holds 80
Mfr. List $125.00  ONLY $116.00

**PRORAX**

**MEDIA STORAGE RACKS**

ProRax are constructed of the finest quality oak or mahogany hardwoods with sturdy dividers to keep media organized. Durable racks will provide years of service and add natural beauty to your facility.

*CDB60 black oak wall rack - holds 60 CD
Mfr. List $59.95  ONLY $57.00

*CDP63 plastic wall rack - holds 63 CD
Mfr. List $21.95  ONLY $19.00

**STUDIO FURNISHINGS**

Media Storage

800 426 8434  www.bswusa.com
Warning Lights

ENBERG

BA6 SERIES

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 broadcast alert monitor
Mfr. List $389.00  ONLY $374.00

*BA6R remote display for Enberg BA6
Mfr. List $239.00  ONLY $220.00

*BA6RX broadcast alert monitor - rack mount
Mfr. List $389.00  ONLY $374.00

PROLITE

ON AIR SERIES

Designed to fit a variety of interior specifications, these
Prolite Architectural series lights are attractive and
functional. The housing and canopy are triple ground,
cast aluminum with a baked, matt black enamel finish.
Dimensions are 7.5 inches square with .75" high letters
(and large microphone image). Two 20-watt, 6.5" long-life
lamps are supplied. Choose from three different
configurations to mount where you want: single lens flat
wall mount, double lens wall or ceiling mount or double
lens ceiling pendant mount.

AW  single lens, wall "ON AIR" light
Mfr. List $231.95  ONLY $135.65

AP  dual lens, pendant "ON AIR" light
Mfr. List $274.00  ONLY $193.00

AC  dual lens, wall/ceiling "ON AIR" light
Mfr. List $251.95  ONLY $152.00

RW  single lens, wall "RECORDING" light
Mfr. List $231.95  ONLY $136.00

RP  dual lens, pendant "RECORDING" light
Mfr. List $274.00  ONLY $193.00

RC  dual lens, wall/ceiling "RECORDING" light
Mfr. List $251.95  ONLY $152.00

AIRENS "ON AIR" lens only
Mfr. List $42.00  ONLY $20.00

RECLENS "RECORDING" lens only
Mfr. List $42.00  ONLY $20.00

BLANKLENS blank panel
Mfr. List $18.95  ONLY $14.00

PROLITE RP

L101

The L101 fits in a standard single duplex electrical box
and operates on 24-volt DC (user supplied). Specify white
or red plastic lens.

L101  "ON AIR" warning light,.75" high letters
Mfr. List $20.00  ONLY $18.00

PROLITE AC

TITUS TECHNICAL LABS

OAL SERIES

The OAL series provides a beautiful, practical means of
indicating that a studio is in use. The lights feature a
smoked glass window mounted in either a gold or silver
frame which is attached to a solid wood mounting base.
Flow 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. Letters are 1" high.

OALHGN "ON AIR" warning light, horizontal, gold
Mfr. List $125.00  ONLY $116.00

OALVGN "ON AIR" warning light, vertical, gold
Mfr. List $125.00  ONLY $116.00

OALVS "ON AIR" warning light, vertical, silver
Mfr. List $125.00  ONLY $116.00

OALHSG "ON AIR" warning light, horizontal, silver
Mfr. List $125.00  ONLY $116.00

OALVGS "ON AIR" warning light, vertical, silver
Mfr. List $125.00  ONLY $116.00

OALHGR "RECORDING" warning light, horizontal, gold
Mfr. List $125.00  ONLY $116.00

OALVGR "RECORDING" warning light, vertical, gold
Mfr. List $125.00  ONLY $116.00

OALVSR "RECORDING" warning light, vertical, silver
Mfr. List $125.00  ONLY $116.00

OALHSR "RECORDING" warning light, horizontal, silver
Mfr. List $125.00  ONLY $116.00

FIDELIPAC

65340/340REC

A popular warning light seen in stations nationwide,
the 65340 has 3" red back -lit letters on a black
background. Available in several languages. Dimensions:
5"H x 10"W x 2-1/2"D. Custom text available.

65340   "ON AIR" light, 3" high letters
Mfr. List $80.00  ONLY $69.00

340REC  "RECORDING" light, 3" high letters
Mfr. List $80.00  ONLY $69.00

LUXO

MH806

This well built, heavy-duty copy holder is designed for
letter and legal-size documents. A spring-loaded
holder clip keeps documents in place. The MH806 holds
up to 4 lbs.

MH806  copy holder
Mfr. List $150.00  ONLY $134.00

BSW stocks a huge warehouse of
products. If we have it in stock, we will
ship it the same day. Just call us by
5:00 pm Eastern Standard Time.
Applies to domestic customers
with approved credit.
MIDDLE ATLANTIC
ACOUSTIC WALL PANELS

Middle Atlantic now offers acoustic wall panels to improve your studio's audio quality and give it the professional look you want. These panels are made of 2" thick molded fiberglass for good acoustical performance and long life. All components have a Class "A" fire hazard rating and come with the same craftsmanship you expect in any Middle Atlantic product. For example, the edges are reinforced using a resin hardener and each panel comes with metal mounting clips for easy installation. Outfit your studio in one of two sizes (24x24" or 24x48") and your choice of colors (beige or gray).

**AP24X24B** 24"x24"x2", beige acoustic panel
Mfr. List $133.50  
ONLY $80.00

**AP24X24G** 24"x24"x2", gray acoustic panel
Mfr. List $133.50  
ONLY $80.00

**AP24X48B** 24"x48"x2", beige acoustic panel
Mfr. List $189.00  
ONLY $113.00

**AP24X48G** 24"x48"x2", gray acoustic panel
Mfr. List $189.00  
ONLY $113.00

SDG
CUTTING WEDGE 2000

Cutting Wedge 2000® is made of 2 pound density high quality acoustic foam that eliminates many of the inconsistencies of other types of foam. The futuristic design allows for increased sound absorption because the sound waves travel through multiple surfaces. It comes in a standard 2.25" stackable foam allowing you to add additional layers of foam for increased absorption. You can also add additional layers of Cutting Wedge 2000® foam to rooms that already have the Cutting Wedge Classic predecessor. Both 12"x12" (64 tiles/box) and 24"x24" (8 tiles per box) ship via UPS. Choose charcoal, tan or blue.

**CW24X24CH, TAN, BLUE**
24"x24"x2.5" stackable foam (box of 8)
Mfr. List $177.60  
ONLY $163.00

**CW12X12CH, TAN, BLUE**
12"x12"x2.5" stackable foam (box of 64)
Mfr. List $177.28  
ONLY $163.00

BROADCAST TOOLS
PSC

With the PSC (Programmable Schedule Controller) you can control up to 160 time and date events. It's equipped with 20 SPST relays and can also send up to 32 serial custom commands. All program events are stored in nonvolatile EEPROM memory. The PSC is simple to set up and can be used for a non-dedicated PC running Windows Terminal. The PSC features a 60 Hz time base for precise timing, DST correction, and more. It runs on a 12V AC power source.

**PSC** programmable schedule controller
Mfr. List $419.00  
ONLY $390.00

ESE
ES192AP/ES185A/ES101

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: an ESE serial time code output; a 1 pps output; line frequency time base.

The ES185A master clock/time code generator 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. Features: .56" display; rugged IIR chassis; indoor/outdoor antenna with cable; automatic daylight savings time correction; time zone offset; four-hour battery back-up and more.

The new ES101 is a lower-cost GPS master clock/time code generator.

ESE also offers a wide variety of digital slave displays ranging from 4" to 4" high with six enclosure types available. Call today for more information on ESE master clock and slave systems.

**ES192AP** 12-hour master clock
Mfr. List $320.00  
ONLY $308.00

**ES185A** GPS receiver/master clock
Mfr. List $2,495.00  
ONLY $2,400.00

**ES101** GPS receiver/master clock
Mfr. List $995.00  
ONLY $957.00

STUDIO FURNISHINGS

* Non-inventory item subject to return restrictions.
**Timer/Clocks**

**ESE ES520/LX520**

The ES520 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. The LX520 is a sleeker model in rugged casing.

- **ES520** 60-minute timer
  - Mfr. List: $185.00
  - ONLY $178.00

- **LX520** 60-minute timer
  - Mfr. List: $285.00
  - ONLY $275.00

**Weather**

**DAVIS WEATHER MONITOR II**

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. The rain collector measures daily and accumulated rainfall. The 7440CS system comes complete with anemometer, 40' of cable, rain collector, external temp. sensor w/25' of cable, junction box w/8' of cable, AC adaptor and instructions. Weatherlink software option allows you to process and store data through your PC or MAC. Wireless weather station options are now available. These can transmit from 30 to 120 meters and run on lithium batteries or solar power. Call for more information.

- **7440CS** complete weather station
  - Mfr. List: $395.00
  - ONLY $334.00

**CONEX**

**JDB1**

The Conex Jumbo Digital Barometer shows the barometric pressure at a glance. Its large display allows it to be easily visible from across the room. Features: trend indicator shows how fast pressure is rising or falling; reads in inches of mercury or millibars; 9-volt alkaline battery runs over a year.

- **JDB1** digital barometer
  - Mfr. List: $189.00
  - ONLY $152.00

**RODCO**

**COMPUTEMP 5 PLUS**

The Computemp 5 Plus accurately monitors outdoor and indoor temperatures and time of day. Features: temperature alarm alerts to any predetermined setting; 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** temperature/time instrument
  - Mfr. List: $100.00
  - ONLY $82.00

**TELTEK**

**INFORMER!!**

For accurate temperature reporting, use the Informer11. The LCD display operates on one "AA" battery (replace yearly). It records high and low temperatures in memory, is very accurate and works in high RF fields. Includes 50 feet of cable for outside probe (additional lengths available).

- **INFORMER!!** temperature sensor
  - Mfr. List: $59.00
  - ONLY $54.00

*Non-inventory item subject to return restrictions.*
The AEQ MPAC-02 is a multiformat, dual channel, portable audio codec for ISDN remotes. 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. Features: digital hybrid with frequency extender; 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 ISOMPEG Layer II 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.

**MPAC-02 portable ISDN audio codec**  
Mfr. List $3,490.00 ONLY $3,272.00

COMREX HOTLINE  
Finally, an affordable digital transmission device capable of providing up to 10 kHz two-way audio on a standard telephone line. The Comrex HotLine codec is tough as nails and proven reliable at thousands of remote locations. Features: light gages and rugged, reliable enclosures; 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.

**HOTLINE portable POTS audio codec**  
Mfr. List $2,800.00 ONLY $2,620.00

COMREX NEXUS  
Capable of 15 kHz as well as 7.5 kHz low delay, two-way mono audio over ISDN or SW56, the portable Nexus is ideal for remote broadcasts. Features: mic/line input; output that provides a variable mix of local program audio and codec return audio; separate data port for SW56 DSU/CSU; easy set up with keypad, LCD display and memory dial.

**NEXUS portable ISDN audio codec**  
Mfr. List $2,300.00 ONLY $2,153.00

**NEXUSRACK rack mountable ISDN audio codec**  
Mfr. List $2,500.00 ONLY $2,340.00

*Non-inventory item subject to return restrictions.*
**Audio Codecs**

- **MARTI CELLCAST**
  Marti’s Cellcast combines cellular remote broadcasting with the convenience of cellular technology. Features: cellular or landline transmission, 4-channel mixer, high battery efficiency, and monitoring jacks.

- **MUSICAM PRIMA LT**
  The bi-directional stereo Prima LT ISDN codec combines a host of features, including ISDN, V.35, X.21, and RS422. It accepts one digital interface module for direct connection to ISDN, V.35, X.21, or RS422. Features: 24-bit A/D and D/A converters, dynamic range better than 102 dB, and low distortion at less than 0.01%; data rates to 384 kbps; built-in terminal adaptor for U.S.; optional AES/EBU and S/PDIF I/O.

- **MUSICAM ROADRUNNER**
  Roadrunner is an economical, compact codec that provides full 20 kHz bi-directional mono audio over a single ISDN line. It comes complete with mic and line level mixing inputs, ensuring high-quality Musicam electronics. Features: 3-channel mixer, headphone jacks, and bi-directional with a built-in terminal adapter for U.S.; automatically adjusts to incoming algorithms and bit rates; offers high-quality audio at bits of 56, 64, 128 kbps; compatible with G.722, CCS MUSICAM, and Layer II and III; and balanced and unbalanced line level outputs for remote control. Order today.

- **TELOS 9202**
  Zephyr is the ideal solution for remote broadcasts, ad hoc networks, voiceovers, and live sound recording. It includes the complete features of the standard Zephyr codec, including the compatibility and performance you require. Features: a built-in ISDN terminal adapter 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; full metering and monitoring jacks; and input protection limiting.

**For Remote Mixers**
See Pages 34-37
Tough Remotes?

No matter where your remotes take you, with a Matrix codec, you've got options.

Matrix Can Handle them.

- POTS
- PCS/GSM Wireless
- ISDN

No matter where your remotes take you, with a Matrix codec, you've got options.

Call today for details

(800) 426-8434

Comrex Corporation, 65 Nonsen Path, Acton, MA 01720
Email: info@comrex.com www.comrex.com
Audio Codecs

The Commander Capable of POTS or ISDN

Tieline

Express/Commander

For broadcast audio at low connect rates with low audio coding delay and a stable connection, you’ll prefer the Tieline Express POTS codec. For additional flexibility, the Tieline Commander adds an ISDN input for audio transmissions over ISDN. The ISDN module includes an auto-answer telephone coupler. It offers two balanced bridging inputs, switchable busses for audio distribution. Each encoder card has an individual 600 ohm bi-directional audio connection with level trim for special feeds. Calls can be removed or installed while the unit is powered without affecting the other cards.

Features:
- LED indicators for incoming ring, on-line, and line activity
- Auto-answer capability
- Remote control
- DSP software
- Under certain conditions, ability to upgrade algorithms
- Broadcasting
- User selectable data channel bandwidth
- Messages back and forth on your PC while you’re away
- Your automation system from the remote broadcast site
- Your broadcast link
- Means you can remote control your studio from the remote broadcast site
- Type messages back and forth on your PC while you’re broadcasting
- User selectable data channel bandwidth
- 9.6 kbps with simultaneous 7 kHz audio transmission
- Under certain conditions, ability to upgrade algorithms
- Remote control
- DSP software
- Overstandard telephone lines
- Super-fast digital signal processing power
- Offers two balanced bridging inputs, switchable busses for audio distribution
- Each encoder card has an individual 600 ohm bi-directional audio connection with level trim

Mfr. List $3,790.00 ONLY $3,610.00

Express

Portable POTS audio codec
Mr. List $3,600.00 ONLY $3,429.00

Express Studio

Rack mountable POTS audio codec
Mr. List $3,290.00 ONLY $3,610.00

Commander

Portable POTS and ISDN audio codec
Mr. List $4,450.00 ONLY $4,239.00

Commander Studio

Rack mountable POTS and ISDN audio codec
Mr. List $4,650.00 ONLY $4,429.00

Telephone Hybrids

Circuitwerkes

HC-3

The HC-3 automatically answers your phone line on a programmable number of rings. It features a simple hybrid circuit that separates incoming and outgoing telephone audio, bridging balanced audio input with a send level control and a low impedance, balanced output. The HC-3’s features make it ideal for a variety of telephone tasks such as listen lines, concert lines and remote capability. It provides remote control of the HC-3’s features such as ring volume, ring delay, and number of rings. It also offers two balanced bridging inputs, switchable busses for audio distribution. The HC-3’s features make it ideal for a variety of telephone tasks such as listen lines, concert lines and remote capability. It provides remote control of the HC-3’s features such as ring volume, ring delay, and number of rings.

AC-12

Circuitwerkes AC-12 fits up to a dozen affordable, fully-programmable auto-couplers in a rack space (5 1/4”) unit. It offers two balanced bridging input, switchable busses for audio distribution. Each encoder card has an individual 600 ohm bi-directional audio connection with level trim for special feeds. Calls can be removed or installed while the unit is powered without affecting the other cards.

Features:
- LED indicators for incoming ring, on-line, clipping and power
- Selectable input attenuator
- Automatic signal limiting
- Optional CP-1 call progress decoder available
- Installations not providing normal end-of-call hang-up signals

AC12 auto coupler chassis
Mr. List $349.00 ONLY $323.00

AC18 coupler card for Circuitwerkes AC12
Mr. List $175.00 ONLY $152.00

CP1 call progress decoder for Circuitwerkes AC12
Mr. List $100.00 ONLY $93.00

Circuitwerkes

TCB-1/TCB-2

TCB-1 broadcast coupler sends and receives program material via the switched telephone network. This unit requires no power on either end and connections are via 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. It includes a 1/4" jack for line level input.

Built specifically for broadcast use, the TCB-2 auto-answer coupler is perfect for listen-line applications. Just plug in the standard connectors, attach the power supply and you’re ready to go. Coupler answers on the first ring and disconnects when calling party hangs up.

TCB1A 1/4" jack for program material
Mr. List $150.00 ONLY $141.00

TCB2A auto answer telephone coupler
Mr. List $250.00 ONLY $234.00

COMREX

LXT/R

This basic system restores the low end on telephone transmissions, offering a substantial improvement for telephone remote. LXT/R combines encoding/decoding functions and a telephone coupler in one unit and can be set up to send or receive with a flip of a front panel switch. A high-frequency enhancement circuit has been added to the encoder for improved audio quality. Compatible with all Comrex One Line Systems. An LXT/R is required on both send and receive ends of the telephone line.

LXTR single line frequency extender
Mr. List $85.00 ONLY $79.00

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 mix-minus bridge
Mr. List $1,200.00 ONLY $1,123.00

EXCALIBUR

HC-1/HA-1

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. The 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. The HA-1 hybrid adaptor allows you to use your favorite broadcast hybrid with almost any telephone...old, new, single or multiple line, etc. Since the HA-1 hooks up through your telephone instrument's handset connector, no connection to the telephone line is needed.

HC-1 telephone coupler
Mr. List $99.00 ONLY $83.00

HA-1 telephone hybrid adapter
Mr. List $99.00 ONLY $88.00

* Non-inventory item subject to return restrictions.
Great Sounding Telephone Audio

Six-Line Telephone System
The TS612-6 six-line telephone system is an excellent choice for broadcast talk shows. A basic TS612 system consists of a rack-mounted control system, two Gentner digital super hybrids, I/Os for six telephone lines and a tabletop control surface. Features include: automatic-minus; telephone line selection and conference buttons; Split-Cal es and Split-Hybrid modes; a handset for talking with callers off-line remote control via RS232; expandable to 12 lines and up to 3 control surfaces.

Gentner TS612-6 List $3,149.00 Only $2,964.00
Gentner TS612-12 (12-line system) List $4,195.00 Only $3,949.00

24-bit Digital Telephone Hybrid
Gentner's digital hybrid provides the highest quality audio interface between your telephone line and audio equipment. With its 24-bit digital signal processing, it's an excellent hybrid for use with your digital or analog console. Features include: three remote-accessible presets; auto mix-minus; adjustable compressor and expander; acoustic echo cancellation; 3-band digital EQ; balanced analog XLR I/O; balanced digital AES/EBU I/O.

Gentner DH30 List $1,795.00 Only $1,690.00

Quality Telephone Audio at Low Cost
Interfacing your audio equipment to a telephone line has never been easier and more affordable. Gentner's analog and digital telephone hybrids are reliable and offer excellent audio quality. Choose between the SPH10 analog hybrid and two digital hybrids, the DH20 single and DH22 dual, each with 16-bit digital signal processing. Features include: built-in monitor amp allows monitoring of calls without headset; balanced XLR inputs and outputs; SFH1C auto filtering and equalization makes callers sound great; DH20/DH22 with auto mix-minus, selectable AGC & caller ducking.

Gentner SPH10 (Analog Hybrid) List $499.00 Only $470.00
Gentner DH20 (Digital Hybrid) List $995.00 Only $937.00
Gentner DH22 (Dual Digital Hybrid) List $1,595.00 Only $1,502.00

To Order Call BSW
1 • 800 • 426 • 8434
Hybrids/Couplers

CONEX

CELLJACK II/CELLJACK/FLIPJACK

CellJack, CellJack II and FlipJack turn your cell phone into a remote broadcast center. CellJack II works with Motorola®-brand bag-type cell phones and operates off the power from the cell phone. It 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; send and receive level controls and interconnect cable.

CellJack is a scaled-down two-input version. FlipJack can be used with Motorola StarTac cell phones or other phones with a 2.5mm hands-free adaptor. It features two XLR inputs (one switchable mic/line), headphone output with level control and a separate external tuner/aux input.

GENTNER

DH30

Gentner's digital hybrid provides the highest quality audio interface between your telephone line and audio equipment. With its 24-bit digital signal processing, it's an excellent hybrid for use with your digital or analog console. Features: three remote-accessible presets; auto mix-minus; adjustable compressor and expander; acoustic echo cancellation; 3-band digital EQ; balanced analog XLR I/O; balanced digital AES/EBU I/O.

DH22/DH20/SPH10

Interfacing your audio equipment to a telephone line has never been easier and more affordable. Gentner's analog and digital telephone hybrids are reliable and offer excellent audio quality. Choose between the SPH10 analog hybrid and two digital hybrids, the DH20 single and DH22 dual, each with 16-bit digital signal processing. Features: built-in monitor amp allows monitoring of calls without headset; balanced XLR inputs and outputs; DH20 auto filtering and equalization makes callers sound great; DH20/DH22 with auto mix-minus, selectable AGC & caller ducking.

HENRY ENGINEERING

MIXMINUS PLUS

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).
**HENRY ENGINEERING**

**DIGISTORII/AUDIO ONLINE**

Digistor II is a digital multi-message storage system suited for telephone "information lines" (e.g., concert, ski report, scores, etc.) Digistor II will store up to 8 minutes of monaural audio with a bandwidth of 6.5 kHz for playback via a regular telephone line. Up to 8 messages are stored in digital flash memory with no battery backup needed. Recording and playback is via local or remote control. It records from either a mic or line level source.

Audio Online is Henry Engineering's fully automated "listener information line" system providing concert information, weather/ski/surf reports, school closings and more. Audio Online is caller interactive! It's fully automatic and runs on your PC computer completely unattended. Messages are recorded on the computer's hard drive. An 80 MB drive will store over 2 hours of messages. Up to 16 phone lines can be answered simultaneously with hundreds of messages available to callers (order a 2-, 4-, 8-, 12- or 16-line systems). Call today for more information.

- **DIGISTORII**
  - Information line message recorder
  - Mfr. List $795.00
  - **ONLY $770.00**
- **ONLINE2**
  - 2-line automated information system
  - Mfr. List $995.00
  - **ONLY $962.00**
- **ONLINE4**
  - 4-line automated information system
  - Mfr. List $1,595.00
  - **ONLY $1,539.00**
- **ONLINE8**
  - 8-line automated information system
  - Mfr. List $2,695.00
  - **ONLY $2,597.00**
- 12- and 16-line systems also available

**JK AUDIO**

**INNKEEPER SERIES**

The JK Audio Innkeeper 1X digital hybrid gets high-quality audio in and out of the telephone for talk radio. It connects audio signals to a standard analog telephone line without the variations in quality found with traditional analog hybrids. It's especially good at preventing transmit/receiver crosstalk. In the real world, when you send the radio host's voice down the telephone line, it has a tendency to bleed over into the caller's audio. The hybrid must adapt to the phone line in order to properly separate transmit and receive audio. The Innkeeper 1X uses a 16-bit digital signal processor to continuously monitor the phone line and audio signals to deliver better separation. The dual-convergence algorithm achieves superb trans-hybrid loss, typically exceeding 50 dB.

**Features:**
- AGC, caller ducking and 1 kHz tone generator
- 16-bit DSP technology
- Proprietary auto null algorithm
- Auto answer/disconnect
- Front-panel headphone jack
- Monitor speaker terminals on back
- Voice Presence Compensation for richer caller audio
- Balanced XLR mic/line input
- Balanced XLR caller output
- Balanced XLR user defined output

Options:
- **Guest Module 1**
  - Remote control keypad for Innkeeper

Innkeeper 1XR is a rack mount version. The original Innkeeper 1 and Innkeeper 1R do not offer the new AGC, caller ducking and tone generator features.

- **INNKEEPER1X**
  - Desktop digital telephone hybrid
  - Mfr. List $750.00
  - **ONLY $773.00**
- **INNKEEPER1RX**
  - Rack mountable digital telephone hybrid
  - Mfr. List $875.00
  - **ONLY $839.00**
- **INNKEEPER1**
  - Desktop digital telephone hybrid
  - Mfr. List $750.00
  - **ONLY $662.00**
- **INNKEEPER1R**
  - Rack mountable digital telephone hybrid
  - Mfr. List $825.00
  - **ONLY $728.00**
- **GUESTMODULE1**
  - Remote control keypad for Innkeeper
  - Mfr. List $185.00
  - **ONLY $164.00**

**Non-inventory item subject to return restrictions.**
**JK AUDIO**

**THAT-1/THAT-2**

Connect THAT-1 or THAT-2 between your telephone and handset for quick access to audio in and out of the telephone. They work 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**  
telephone handset audio tap w/ RCA  
Mfr. List $150.00  ONLY $133.00

**THAT2**  
telephone handset audio tap w/ XLR  
Mfr. List $225.00  ONLY $199.00

**RADIX**

**TLM500**

This portable, battery powered mini-console can turn any modular telephone into a remote broadcast studio link or telephone interview control center. Simply plug the telephone handset cord into the TLM along with a studio quality microphone and headphones. The telephone is dialed normally and incoming calls can be answered. Features: mic and line inputs, low battery indicator; peak reading LED and headphone amplifier. AC adaptor available. Call today.

TLM500  
television line mixer  
Mfr. List $229.00  ONLY $202.00

**RDL**

**ST-TC1**

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. The ST-TC1 is a telephone system coupler. It is intended to be connected to an on-site telephone switching unit KSU. Requires 24 volt power supply (PS24A sold separately).

STTC1  
television coupler  
Mfr. List $99.00  ONLY $81.00

PS24A  
power supply for RDL Stick-On series  
Mfr. List $18.00  ONLY $15.00

See page 60 for other Stick-On Series interfaces.

**SOUND AMERICA**

**TAC/TAC+/RSVP**

TAC and TAC+ are inserted between the handset and handset jack on the telephone. TAC provides a switch to match input levels and also a mute switch for the handset mic. TAC+ adds a momentary mic mute (cough) and selector switches for different input attenuation and impedance ranges.

RSVP is a standard telephone with a built-in audio coupler and an amplified electret condenser mic. SVP is a send-only version.

**TAC**  
television coupler  
Mfr. List $99.00  ONLY $96.00

**TAC+**  
television coupler interface  
Mfr. List $110.00  ONLY $107.00

**RSVP**  
television coupler  
Mfr. List $156.00  ONLY $151.00

**SVP**  
television coupler (send-only)  
Mfr. List $136.00  ONLY $131.00

**TELOS**

**ONE/ONE PLUS ONE**

The Telos ONE is the perfect low-cost solution for any telephone interface application. It automatically adapts to each call and all processing is in the digital domain. Features: sophisticated AGC on input and output; an advanced downward expander on the caller audio; digital processing to reduce feedback when monitoring with open speakers; the inputs are switchable for mic or line level and two outputs are provided.

The Telos ONE plus ONE starts with two independent Telos ONE digital hybrids in a single rack-unit chassis. A unique internal mix-minus matrix cross couples the outputs of the two hybrids. In a dual hybrid application, you need send the Telos ONE plus ONE only a single mix-minus.

**120-1**  
desktop Telos ONE digital telephone hybrid  
Mfr. List $680.00  ONLY $578.00

**125**  
rack mountable Telos ONE digital telephone hybrid  
Mfr. List $888.00  ONLY $748.00

**150**  
rack mountable Telos ONE plus ONE dual digital telephone hybrids  
Mfr. List $1,980.00  ONLY $1,683.00

**801**  
rack mount kit for Telos 120-1  
Mfr. List $80.00  ONLY $71.00

**TELOS**

**100 DELTA**

The advanced digital signal processing in the Telos 100 Delta results in full-duplex, natural sounding conversation even on the most difficult phone lines. Smart digital gain control and equalization offer increased caller intelligibility. The EQ examines the caller audio in three bands and automatically equalizes the high and low bands. Other digital processing components include logarithmic dB dynamics control, context sensitive output AGC, and feedback suppression for greater gain before feedback when monitoring callers through open speakers.

**140**  
rack mountable Telos 100 Delta digital telephone hybrid  
Mfr. List $1,780.00  ONLY $1,513.00

**TELOS TWO**

The Telos TWO ISDN hybrid contains two digital hybrids, so you can conference two callers internally, and all mixing is done completely in the digital domain. Digital phone lines (BRI/U or S) let you take advantage of clear, pure digital caller audio, right from the "Central Office" - along with truly independent send and receive paths, lower noise and distortion and faster call setup. Built-in Ethernet connectivity makes remote control and software upgrades, AES/EBU and analog outputs give you maximum flexibility. Call for more information today.

**TWO**  
rack mountable ISDN digital telephone hybrid  
Mfr. List $2,980.00  ONLY $2,533.00

Non-inventory item subject to return restrictions.
Talk radio is suddenly intimate

Telos TWOx12™ Integrated Talkshow System
Using POTS or ISDN lines, the TWOx12 handles up to 12 callers on two built-in digital hybrids. The intuitive phone controller tames even the wildest talk shows.

Telos Digital Talkshow Systems
It takes you by surprise: the occasional phone call, so clear and close, you'd swear your caller was in the very next room. What if your callers could always sound this close and personal?
Introducing the new generation of digital talk show systems from Telos. With intuitive, easy-to-use controls that help make your talk segments smooth and error free (whether you're juggling a few calls or a few dozen) and the latest advances in digital phone hybrids from the company that invented them. Never have your callers sounded so consistently loud and crystal clear — it's the next best thing to having them there. Don't just talk to your audience... get intimate.

GENTNER
TELESWITCH
With TeleSwitch, up to 5 lines can be directly connected, placed on hold, and routed to a hybrid or telephone set. You can conference and even record callers with the press of a button. TeleSwitch will work with most business phone systems. Installation and operation is as simple as using a multi-line telephone. Control panel lights indicate whether the line is ringing, in use, on hold or available. It uses standard RJ11C telephone connectors.

GENTNER
TS612
The popular Gentner TS612 multi-line telephone system makes it easy to manage call-in broadcast programming. The TS612 contains two digital hybrids that provide a high-quality interface to six or twelve telephone lines. The dual hybrids allow the TS612 to operate as a single-studio telephone system able to conference up to four callers simultaneously or as a two-studio system able to conference two callers to each studio. The TS612 supports a dedicated "phone-like" call-screening control surface. An off-air screener takes incoming calls and places them in a screened-hold queue. The on-air talent or producer presses the NEXT button on the main control surface and the call is immediately "on-the-air." The integrated mix-minus provides superior audio quality and simple installation. Automatic gain control (AGC) provides consistent audio levels on all calls. Features: Split-Caller mode brings the two hybrid outputs to the audio console independently; Split-Hybrid mode brings the two hybrid outputs to the console independently and returns your program mix to the TS612 on two separate channels; Previous-Hold places calls on hold automatically when you select another line; Two-Button Hold allows you to place a single call on hold when two or more lines are conferenced together; Two-Button Off allows you to disconnect any line by pressing the Off button; 6 or 12 lines (also expandable to 12); auto mix-minus; RS-232 control (Enhanced); drop-in console panels; AUX I/O control (Enhanced); Options: on-air screening software.

TELESWITCH multi-line telephone interface

TS612-6 6-line telephone system Mfr. List $3,149.00 ONLY $2,964.00
TS612-12 12-line telephone system Mfr. List $4,195.00 ONLY $3,949.00
910003200 extra control surface for Gentner TS-612 Mfr. List $51,045.00 ONLY $984.00

* Non-inventory item subject to return restrictions.
Telephone Systems

TELOS ONE-X-SIX

The ONE-x-Six has all of the telephone interface equipment needed for talk show programming. A single rack-mount unit houses both a Telos ONE digital hybrid and a six-line, broadcast phone system which includes all of the most popular features you expect in a on-air system. For system control, the ONE-x-Six is packaged with a desktop Switch Console (sold separately). 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. Special function buttons on the Switch Console are used to automatically select the next caller, to put callers on the air or to conference, to control external recorders and delays, and to access several other unique features. A standard telephone set may be used for call screening. Call for more information today.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
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<tbody>
<tr>
<td>235</td>
<td>6-line Telos One-x-Six telephone system</td>
<td>$1,430.00</td>
<td>$1,216.00</td>
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<tr>
<td>310</td>
<td>control surface for Telos 235</td>
<td>$390.00</td>
<td>$502.00</td>
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</table>

Test Equipment

BIRD 43

The Bird 43 Directional Wattmeter accurately measures forward or reflected power in coaxial transmission lines under any load condition. Each model 43 consists of a line section, "QC" (Quick Change) connectors and an indication meter housed in a rugged, corrosion-resistant aluminum case. Plug-in elements, purchased separately, determine the power rating and the frequency range. Elements can be purchased at any time and replaced in the field. Call for pricing on the elements for your application.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
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<tr>
<td>43</td>
<td>RF watt meter</td>
<td>$276.00</td>
<td>$267.00</td>
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</table>

TELOS TWOX12

Wouldn't it be great to have a talk show system that connects directly with digital lines – without all the hassle of analog conversion? The solution is the TWOX12 Talk Show System from Telos. This 12-line telephone system uses two digital hybrids to bring ISDN clarity right into the studio, and if you don't yet have digital service, you can use your existing POTS lines and upgrade for ISDN later. Initially, you purchase either a POTS or ISDN system. Then if you would like to add the other capability simply purchase an optional add-on module. Each system uses a 12-line telephone control surface (TWOX12DD sold separately). Features: two high-performance digital telephone hybrids for high-quality conferencing between callers – no need for any external equipment; AGC/limiting functions plus three-band dynamic EQ; studio-grade 20-bit A/D conversion; unmatched send/receive separation using advanced Telos Adaptive Cancellation technology; simultaneous baseband analog and AES/EBU outputs; high-precision sample rate conversion for send-to-caller input; caller ID support; adjustable caller ducking; built-in Ethernet connection for remote control.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
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<tbody>
<tr>
<td>TWOX12DD</td>
<td>control surface for Telos TwoX12</td>
<td>$1,810.00</td>
<td>$1,003.00</td>
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<tr>
<td>TWOX12POTS</td>
<td>POTS digital telephone system</td>
<td>$1,180.00</td>
<td>$3,553.00</td>
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<tr>
<td>TWOX12ISDN</td>
<td>ISDN digital telephone system</td>
<td>$4,800.00</td>
<td>$4,233.00</td>
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<tr>
<td>TWOX12 POTSCARD</td>
<td>ISDN I/O card for Telos TwoX12</td>
<td>$280.00</td>
<td>$238.00</td>
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<tr>
<td>TWOX12 ISDN CARD</td>
<td>ISDN I/O card for Telos TwoX12</td>
<td>$480.00</td>
<td>$408.00</td>
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</tbody>
</table>

AMERICAN RECORDER CO2

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. Order today.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
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<tr>
<td>CO2</td>
<td>CO2 dispenser</td>
<td>$20.00</td>
<td>$18.00</td>
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</table>

CONEX TONEJACK

The Conex RX11 TONEJACK is a very compact audio frequency generator providing sine and square-wave signals with very accurate frequencies from 1 Hz to 25,999 Hz. It's 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
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<tbody>
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<td>TONEJACK</td>
<td>audio frequency generator</td>
<td>$229.00</td>
<td>$221.00</td>
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DELTA SNG1

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
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<tbody>
<tr>
<td>SNG1</td>
<td>stereo noise generator</td>
<td>$735.00</td>
<td>$727.00</td>
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</table>

DENON C39-7147

This Denon test 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mfr. List</th>
<th>ONLY</th>
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<tbody>
<tr>
<td>C397147</td>
<td>audio technical test CD</td>
<td>$20.00</td>
<td>$17.00</td>
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</table>
DORROUGH

1200

With the 1200 you can take stereo measurements of level, balance, cross-talk and signal-to-noise over the entire dynamic range of your audio system from noise floor to clipping. The 1200 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 stereo signal test set

Mfr. List $1,650.00  ONLY $1,572.00

EBTECH

SWIZZ ARMY

With a comprehensive connection set that includes XLR, 1/4", RCA, 1/8", TT and MIDI connectors, the SWIZZ ARMY can be used to tell the exact wiring of any cable or adaptor. The device clearly shows continuity, opens and shorts, even intermittent shorts! It also features test tone generation, phantom power detect and grounded XLR shield detect. Runs on 2 "AA" batteries.

SWIZZ ARMY multi-function cable tester

Mfr. List $150.00  ONLY $120.00

GOLDLINE

GL1K

The GL1K is a microphone input tester consisting of three precision tests: tone generation and phantom power detector built into a standard 3-pin XLR male connector. When inserted into an input connector, the LED indicator will light showing that there is a phantom power voltage present. If a voltage is present, a 1 kHz tone will be sent into the mic input.

GL1K microphone level tester

Mfr. List $39.95  ONLY $34.00

ASA10B/PN2

ASA10B is a professional-quality, 10-octave analyzer covering a wide frequency range, and featuring a built-in pink noise generator. PN2 is a battery-powered continuous pink noise generator.

ASA10B audio spectrum analyzer

Mfr. List $319.00  ONLY $271.00

PN2 pink noise generator

Mfr. List $123.75  ONLY $106.00

TS1/TS2

The TS1 provides a combination of three precision test instruments and is capable of making audio frequency tests with a high degree of accuracy and in less time than conventional instruments. The TS1 combines a low distortion oscillator, a frequency counter, and a dB meter in a compact unit complete with AC power supply. The TS2 adds an impedance meter.

TS1 audio test set

Mfr. List $469.00  ONLY $399.00

TS2 audio test set with impedance meter

Mfr. List $639.00  ONLY $542.00

NEUTRIK

MR1

Neutrik Minitor MR1 provides a comprehensive set of audio signals for performance checking, maintenance and repairs. The battery-powered instrument: features low distortion Sine Wave 20 Hz to 20 kHz, white/pink noise, square wave, polarity test and more. Call today.

MR1 handheld audio generator

Mfr. List $174.00  ONLY $165.00

POTOMAC

AA-51A/AG-51

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.

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 at 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).

MR1 audio analyzer

Mfr. List $4,348.00  ONLY $3,938.00

RS1 audio generator

Mfr. List $4,030.00  ONLY $3,938.00

RDL

RUOSC4A

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 is pushed again. Continuing to push the hold button selects the next frequency for fully manual operation. Output connections are made via barrier block terminals.

RUOSC4A sequencing audio oscillator

Mfr. List $283.00  ONLY $213.00

ROLLS

PT102

The PT102 consists of two battery operated units, a transmitter and receiver. The transmitter creates a pulse that is sent through your audio system. The receiver then picks up the signal at various intervals in the system, and indicates whether or not the system is in or out of phase. The PT102R receiver is placed near a microphone which may be connected to the PT102T receiver or to your audio system. Plugging into the 1/4" line in jack on the receiver disables the mic.

PT102 phase testing system

Mfr. List $150.00  ONLY $108.00

*Non inventory item subject to return restrictions.
TESTS EVERYTHING BUT YOUR PATIENCE

This compact, rugged box can make your job a heck of a lot easier. Quick-check dynamic mics without firing up the entire system. Use Test tone to confirm connections back to the board without unpacking the mics or uttering a single “check”. Trouble shoot snakes and bad cables without moving a muscle. Done testing? Connect it to a snake and bark directions to your crew. Or clip it to your belt and its a hands-free intercom. Keep your stress levels in check with QBox. Call BSW today.

whirlwind
www.whirlwindusa.com
**TECHNICS**  
**SL1200MKII**  
The industry's most popular turntable is without a doubt the Technics SL1200MKII. Two-speed, quartz accurate with fast start-up time, it's the perfect addition to your control room. For production, the pitch change adjustment of ±8% comes in handy. The SL1200MKII includes base, dust cover and tonearm.  

**SL1200MKII direct drive turntable with pitch control**  
Mfr. List $700.00  
**ONLY $567.00**

---

**STANTON**  
**STR8-80**  
New technology for vinyl spinners and scratchers, the STR8-80 is a straight tone arm table that is ready to plug into any analog or digital environment. Features: reverse and motor off functions; 3.5mm line input built-in (for portable CDs, MDs, or any other line source); cable included; key adjustment (A.k.a. master tempo); quartz lock (A.K.A. zero pitch); 3 speeds: 33, 45, 78 rpm; selectable pitch adjustment (+/- 8%, 12%); skip-proof straight tone arm; remote start; adjustable feet; S/PDIF digital output; direct drive motor; aluminum platter; target light; blue strobe indicator.  

**STR8-80 direct drive turntable with digital out**  
Mfr. List $449.00  
**ONLY $324.00**

---

**ATI**  
**P100S**  
This preamp offers state-of-the-art specs in a cost-effective enclosure. Quality components allow the P100S to achieve a 90 dB signal-to-noise ratio; channel separation of 60 dB; minimum distortion 0.1%.  

**P100S active balanced turntable preamp**  
Mfr. List $359.00  
**ONLY $333.00**

---

**SHURE**  
**M44G/M447/SC35C**  
The popular M44 Series models feature a spherical diamond stylus (0.7 mil) with a large-diameter stylus assembly. Tracking force specs are as follows: M44GX .75 to 1.5 grams; M44TX 1.5 to 3 grams. The SC35C features a spherical diamond stylus (0.7 mil) with a large-diameter stylus assembly. Tracking force is 4 to 5 grams.  

**M44G phono cartridge**  
Mfr. List $100.00  
**ONLY $64.00**  
**N44GX replacement stylus for M44G**  
Mfr. List $47.00  
**ONLY $28.00**  
**M447 phono cartridge**  
Mfr. List $100.00  
**ONLY $74.00**  
**N447 replacement stylus for M447**  
Mfr. List $29.00  
**ONLY $33.00**  
**SC35C phono cartridge**  
Mfr. List $60.00  
**ONLY $39.00**  
**S535C replacement stylus for SC35C**  
Mfr. List $31.00  
**ONLY $19.00**

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**STANTON**  
**500AL-II**  
Stanton has always been known as a quality leader in the DJ and broadcast markets. The 500AL-II 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 2-5 grams. The S205K is designed for scratching with a spherical tip-stylus that tracks at 2-5 grams. The 500EMKII tracks at 1-2 grams with an elliptical tip. The 680AL is for studio work with less back-cueing and greater fidelity; this spherical stylus tracks at 2-5 grams.  

**500ALII phono cartridge**  
Mfr. List $45.00  
**ONLY $29.95**  
**520SK phono cartridge**  
Mfr. List $69.00  
**ONLY $49.95**  
**D5205K stylus for Stanton 520SK**  
Mfr. List $36.00  
**ONLY $24.95**  
**500EMKII phono cartridge**  
Mfr. List $49.00  
**ONLY $34.95**  
**DS50EMKII phono stylus**  
Mfr. List $28.00  
**ONLY $19.95**  
**680AL phono cartridge**  
Mfr. List $125.00  
**ONLY $77.00**  
**D6800HP stylus for 680AL**  
Mfr. List $49.00  
**ONLY $29.95**

---

**STANTON**  
**VC-1**  
This vinyl cleaning system combines the specially formulated cleaning fluid that removes dirt and debris from the grooves and provides an anti-static property to your vinyl. It comes with a professional brush made with a deep unidirectional velvet pile.  

**VC-1 vinyl cleaning system**  
Mfr. List $29.00  
**ONLY $22.95**
## STUDIO WIRE

<table>
<thead>
<tr>
<th>Brand</th>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Belden</td>
<td>8451LKBX</td>
<td>22 AWG cable with bonded shield, 1000 feet, black</td>
<td>$91.00</td>
</tr>
<tr>
<td>Belden</td>
<td>8451</td>
<td>22 AWG cable with bonded shield, 1000 feet in box - black</td>
<td>$91.00</td>
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<tr>
<td>Belden</td>
<td>8451E2Z</td>
<td>22 AWG cable with bonded shield, 1000 feet, black</td>
<td>$98.00</td>
</tr>
<tr>
<td>Belden</td>
<td>8451E2ZG</td>
<td>22 AWG very flexible zip-style dual pair cable</td>
<td>$246.00</td>
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<tr>
<td>West Penn</td>
<td>291 Blk Box</td>
<td>22 AWG 2 cond w/ shield wire, 1000 feet, black</td>
<td>$91.00</td>
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<tr>
<td>GEPCO</td>
<td>61801EZ-0</td>
<td>22 AWG cable with bonded shield, 1000 feet, black</td>
<td>$117.00</td>
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<tr>
<td>GEPCO</td>
<td>61801EZGF</td>
<td>22 AWG cable with bonded shield, 1000 feet, black</td>
<td>$154.00</td>
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<tr>
<td>GEPCO</td>
<td>61801EZGF</td>
<td>22 AWG cable with bonded shield, 1000 feet, black</td>
<td>$300.00</td>
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<td>West Penn</td>
<td>291</td>
<td>22 AWG 2 cond w/ shield wire, 1000 feet, black</td>
<td>$80.00</td>
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## MULTIPAIR CABLE

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<thead>
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<th>Description</th>
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<tbody>
<tr>
<td>GA61808</td>
<td>8-pair cable with 22 AWG numbered pairs, price per foot</td>
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<tr>
<td>GA61812</td>
<td>12-pair cable with 22 AWG numbered pairs, price per foot</td>
<td>$1.80</td>
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<tr>
<td>GA61816</td>
<td>16-pair cable with 22 AWG numbered pairs, price per foot</td>
<td>$2.70</td>
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<tr>
<td>GA61826</td>
<td>24-pair cable with 22 AWG numbered pairs, price per foot</td>
<td>$4.10</td>
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## MICROPHONE CABLE

<table>
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<th>Part Number</th>
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<tbody>
<tr>
<td>Belden</td>
<td>1192A</td>
<td>24 AWG star quad, low noise mic cable, 1000'</td>
<td>$390.00</td>
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<tr>
<td>Belden</td>
<td>8412</td>
<td>24 AWG 2 cond w/ shield wire, 1000 feet, black</td>
<td>$71.00</td>
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<tr>
<td>Hosa</td>
<td>61808EZ</td>
<td>8-pair cable with 22 AWG numbered pairs, price per foot</td>
<td>$2.00</td>
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<tr>
<td>Hosa</td>
<td>61812EZ</td>
<td>12-pair cable with 22 AWG numbered pairs, price per foot</td>
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<td>Hosa</td>
<td>61816EZ</td>
<td>16-pair cable with 22 AWG numbered pairs, price per foot</td>
<td>$2.00</td>
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<tr>
<td>Hosa</td>
<td>61826EZ</td>
<td>24-pair cable with 22 AWG numbered pairs, price per foot</td>
<td>$2.00</td>
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## NETWORK CABLE

<table>
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<th>Brand</th>
<th>Part Number</th>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Belden</td>
<td>*1700A</td>
<td>4-pair enhanced Cat-5 cable, 1000 feet</td>
<td>$124.00</td>
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<tr>
<td>West Penn</td>
<td>WP54782</td>
<td>Cat-5 4-pair plenum solid shielded network wire</td>
<td>$513.00</td>
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## COAX CABLE

<table>
<thead>
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<th>Brand</th>
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<th>Description</th>
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<tbody>
<tr>
<td>Belden</td>
<td>9913</td>
<td>low loss RG6 type cable, price per foot</td>
<td>$6.00</td>
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<tr>
<td>West Penn</td>
<td>810</td>
<td>high flex, low loss RG6-type cable, price per foot</td>
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## SPEAKER WIRE/CABLES

<table>
<thead>
<tr>
<th>Brand</th>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>Belden</td>
<td>SPKR4EZ</td>
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<td>5524EZ</td>
<td>4-pair enhanced Cat-3 cable, 1000 feet</td>
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<td>Hosa</td>
<td>G61808EZ</td>
<td>8-pair cable with 22 AWG numbered pairs, price per foot</td>
<td>$2.00</td>
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<tr>
<td>Hosa</td>
<td>G61812EZ</td>
<td>12-pair cable with 22 AWG numbered pairs, price per foot</td>
<td>$2.00</td>
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<tr>
<td>Hosa</td>
<td>G61816EZ</td>
<td>16-pair cable with 22 AWG numbered pairs, price per foot</td>
<td>$2.00</td>
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<td>Hosa</td>
<td>G61826EZ</td>
<td>24-pair cable with 22 AWG numbered pairs, price per foot</td>
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## DIGITAL CABLE

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</tr>
</thead>
<tbody>
<tr>
<td>Belden</td>
<td>SPEAKERWIRE</td>
<td>100 ft. speaker wire 14 AWG</td>
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<tr>
<td>Hosa</td>
<td>SKM625</td>
<td>25 foot 16 AWG speaker cable with 1/4&quot; phone plugs</td>
<td>$140.00</td>
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<tr>
<td>Hosa</td>
<td>SKM650</td>
<td>50 foot 16 AWG speaker cable with 1/4&quot; phone plugs</td>
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## HOSA ADAPTOR/PATCH CABLES

<table>
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<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP105</td>
<td>1/4&quot; to 1/4&quot; - 5' cable</td>
<td>$3.00</td>
</tr>
<tr>
<td>CPP110</td>
<td>1/4&quot; to 1/4&quot; - 10' cable</td>
<td>$4.00</td>
</tr>
<tr>
<td>CPP202</td>
<td>1/4&quot; to 1/4&quot;, dual - 6.6' cable</td>
<td>$6.00</td>
</tr>
<tr>
<td>CPP203</td>
<td>1/4&quot; to 1/4&quot;, dual - 9.9' cable</td>
<td>$6.00</td>
</tr>
<tr>
<td>CPR105</td>
<td>RCA to 1/4&quot; - 5' cable</td>
<td>$2.80</td>
</tr>
<tr>
<td>CPR110</td>
<td>RCA to 1/4&quot; - 10' cable</td>
<td>$3.60</td>
</tr>
<tr>
<td>C105</td>
<td>RCA to RCA - 5' cable</td>
<td>$2.70</td>
</tr>
<tr>
<td>C110</td>
<td>RCA to RCA - 10' cable</td>
<td>$3.00</td>
</tr>
<tr>
<td>C202</td>
<td>RCA to RCA, dual - 6.6' cable</td>
<td>$4.20</td>
</tr>
<tr>
<td>C203</td>
<td>RCA to RCA, dual - 9.9' cable</td>
<td>$4.80</td>
</tr>
<tr>
<td>CS105</td>
<td>1/4&quot; TRS to 1/4&quot; TRS - 5' cable</td>
<td>$4.80</td>
</tr>
<tr>
<td>CS110</td>
<td>1/4&quot; TRS to 1/4&quot; TRS - 10' cable</td>
<td>$6.00</td>
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<tr>
<td>PX105</td>
<td>XLR male to 1/4&quot; mono - 5' cable</td>
<td>$7.00</td>
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<tr>
<td>PX110</td>
<td>XLR male to 1/4&quot; mono - 10' cable</td>
<td>$8.00</td>
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<tr>
<td>PX202</td>
<td>XLR male to 1/4&quot; mono - 6.6' cable</td>
<td>$8.00</td>
</tr>
<tr>
<td>PX203</td>
<td>XLR male to 1/4&quot; mono - 9.9' cable</td>
<td>$8.00</td>
</tr>
<tr>
<td>PX105</td>
<td>XLR male to 1/4&quot; - 5' cable</td>
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<td>PX110</td>
<td>XLR male to 1/4&quot; - 10' cable</td>
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<tr>
<td>PX202</td>
<td>XLR male to 1/4&quot;, dual - 6.6' cable</td>
<td>$8.00</td>
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<tr>
<td>PX203</td>
<td>XLR male to 1/4&quot;, dual - 9.9' cable</td>
<td>$8.00</td>
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<tr>
<td>PX105</td>
<td>XLR male to RCA - 5' cable</td>
<td>$7.00</td>
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<tr>
<td>PX110</td>
<td>XLR male to RCA - 10' cable</td>
<td>$8.00</td>
</tr>
<tr>
<td>PP105</td>
<td>1/4&quot; TRS to 1/4&quot; TRS - 5' cable</td>
<td>$4.80</td>
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<td>1/4&quot; TRS to 1/4&quot; TRS - 10' cable</td>
<td>$6.00</td>
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<td>PR105</td>
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<tr>
<td>PR110</td>
<td>RCA to RCA - 10' cable</td>
<td>$3.00</td>
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*Non-inventory item subject to return restrictions.
**HOS A**

**CABLE ADAPTORS**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPP105</td>
<td>1/4&quot; female - 1/4&quot; male adaptor</td>
<td>$4.50</td>
<td>$2.90</td>
</tr>
<tr>
<td>GLT255</td>
<td>XLR female to XLR male ground lifted adaptor</td>
<td>$13.00</td>
<td>$8.00</td>
</tr>
<tr>
<td>GPR101</td>
<td>RCA female to 1/4&quot; male adaptor</td>
<td>$4.00</td>
<td>$2.20</td>
</tr>
<tr>
<td>GRA101</td>
<td>RCA female to RCA female adaptor</td>
<td>$3.50</td>
<td>$2.30</td>
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<tr>
<td>GXF132</td>
<td>RCA female to XLR female adaptor</td>
<td>$14.00</td>
<td>$8.00</td>
</tr>
<tr>
<td>GJX193</td>
<td>1/4&quot; female - XLR male adaptor</td>
<td>$14.25</td>
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<td>GJX143</td>
<td>XLR male to XLR male adaptor</td>
<td>$14.00</td>
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<tr>
<td>GXX145</td>
<td>XLR female to XLR male phase reversed adaptor</td>
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<tr>
<td>GXX195</td>
<td>XLR female - XLR male phase reversed adaptor</td>
<td>$13.00</td>
<td>$8.00</td>
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**NEUTRIK/SWITCHCRAFT**

**AUDIO CONNECTORS**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC3FX</td>
<td>female XLR connector</td>
<td>$4.00</td>
<td>$2.80</td>
</tr>
<tr>
<td>NC3MX</td>
<td>male XLR connector</td>
<td>$4.00</td>
<td>$2.60</td>
</tr>
<tr>
<td>A3F</td>
<td>female XLR connector</td>
<td>$5.00</td>
<td>$4.00</td>
</tr>
<tr>
<td>A3M</td>
<td>male XLR connector</td>
<td>$5.00</td>
<td>$4.00</td>
</tr>
<tr>
<td>190</td>
<td>1/4&quot; stereo phone plug (TRS)</td>
<td>$8.75</td>
<td>$6.00</td>
</tr>
<tr>
<td>280</td>
<td>1/4&quot; mono phone plug</td>
<td>$4.00</td>
<td>$2.00</td>
</tr>
<tr>
<td>780</td>
<td>1/8&quot; mini plug</td>
<td>$5.00</td>
<td>$4.00</td>
</tr>
</tbody>
</table>

---

**AMERICAN RECORDER**

**SNAKE SKIN**

This unique product makes an excellent covering for bundles of wire or cable. 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" diameter sizes.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKINOSBB</td>
<td>8&quot; section of 1/2&quot; snakeskin cable organizer</td>
<td>$16.00</td>
<td>$16.00</td>
</tr>
<tr>
<td>SKINT08B</td>
<td>8&quot; section of 1&quot; snakeskin cable organizer</td>
<td>$20.00</td>
<td>$19.00</td>
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</table>

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**SIEMON**

**66B350**

Standard punch block.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>66B350</td>
<td>standard punch block with 150 stereo circuits</td>
<td>$24.00</td>
<td>$22.00</td>
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**HOS A**

**WTI148G**

Velcro ties.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>WTI148G</td>
<td>8&quot; velcro cable wrap - 5 pack</td>
<td>$5.50</td>
<td>$3.40</td>
</tr>
</tbody>
</table>

---

**STUDIOHUB**

**XL STUDIO KIT**

STUDIOHUB studio kits provide the interface tools required to wire your console for a network wiring environment consistent with a wide variety of digital technologies. All STUDIO HUB components have conventional telecommunication jack or connectors on one side and standard analog or digital audio equipment can interface with the central STUDIO HUB patchbay that terminates all of the console I/Os. Wiring your studios using STUDIO HUB components allows you to run analog or digital audio down standard CAT-5 network cable that is far less expensive to run than multi-channel audio wire and just as capable of passing super high quality audio. You can choose the kit you need based on the size of your console.

- **XLSTUDIOKIT** for a 20-24-channel console studio and includes 1 Hub power supply, 4 MatchJack output amplifiers, 2 MatchJack input amplifier, 3 mic XLR connector with well mount, 3 headphone amps with well mount, 24 single MatchJack adaptors, 8 dual MatchJack adaptors, 12 each 7", 10", 12", 15", RJ-45 cables.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMSTUDIOKIT</td>
<td>wiring package for 20-24 channel console</td>
<td>$2,165.00</td>
<td>$1,650.00</td>
</tr>
</tbody>
</table>

- **LGSTUDIOKIT** for an 8-12-channel console studio includes 1 Hub power supply, 4 MatchJack output amps, 2 MatchJack input amps, 3 mic XLR connector with well mount, 3 headphone amps with well mount, 18 single MatchJack adaptors, 6 dual MatchJack adaptors, 6 each 7", 10", 12", 15", RJ-45 cables.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMSTUDIOKIT</td>
<td>wiring package for 8-12 channel console</td>
<td>$1,885.00</td>
<td>$1,768.00</td>
</tr>
</tbody>
</table>

- **MIDSTUDIOKIT** for a 18-24-channel studio includes 1 Hub power supply, 2 MatchJack output amplifiers, 1 MatchJack input amplifier, 2 mic XLR connector with well mount, 2 headphoneamps with well mount, 12 single MatchJack adaptors, 4 dual MatchJack adaptors, 6 each 7", 10", 12", 15", RJ-45 patch cables.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Mfr. List</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMSTUDIOKIT</td>
<td>wiring package for 6 channel console</td>
<td>$910.00</td>
<td>$854.00</td>
</tr>
</tbody>
</table>

*Non-Inventory item subject to return restrictions.*

---

**WIRE/CABLE**

**800 426 8434 www.bswusa.com**
LECTROSONICS
200 SERIES

Designed for television ENG, motion picture, studio, live sound stage and high-end production, the 200 series is considered industry standard equipment. By implementing more extensive audio processing circuitry, Lectrosonics maximizes dynamic range and frequency response and minimizes distortion and noise. An exclusive automatic high-frequency noise suppression circuit in the receivers eliminates noise in weak signal conditions to maximize operating range and eliminate dropouts in hostile RF environments.

Features:
- 256 selectable frequencies
- Tracking front-end in the receivers
- Dual-band compandor
- Advanced diversity reception
- Computer interface on the studio receiver.

The UDR200B is the rack mount version of the 200 Series receivers. The UCR205D is a compact receiver that can mount directly to a camera. It can be powered with AC via a transformer or with DC from the camera. The UCR210D is similar to the 205D, but can be powered with internal AA batteries.

Receivers can be matched with three varieties of transmitters; all boasting 100 mw output power.

UDR200B UHF rack mount diversity receiver
Mfr. List $4,295.00
ONLY $3,651.00

UCR205D UHF compact cam-mount receiver
Mfr. List $2,325.00
ONLY $1,977.00

UCR210D UHF compact cam-mount receiver
Mfr. List $2,325.00
ONLY $1,977.00

Uh200 UHF plug-on wireless transmitter
Mfr. List $995.00
ONLY $846.00

UM200B UHF belt-pack wireless transmitter
Mfr. List $865.00
ONLY $736.00

UT200 UHF handheld wireless transmitter
Mfr. List $1,435.00
ONLY $1,220.00

BEC GROUP
BEC SERIES

This metal mount fits your Lectrosonics receiver and holds it firmly in place on your video camera.

BEC100 camera bracket for Lectrosonic 100 Series
ONLY $75.00

BEC195 camera bracket for Lectrosonic 205 Series
ONLY $75.00

BEC210 camera bracket for Lectrosonic 210 Series
ONLY $80.00

ULTRALIFE
U9VL-FP

Ultralife lithium batteries offer superior performance and last up to 4 times longer than alkaline 9-volt batteries. Make sure you pack them in all your remote equipment.

U9VL-FP lithium battery
ONLY $7.99

ULTRALIFE
U9VL-FP

Sony Freedom series offers 800 MHz UHF transmission quality with 94 selectable frequencies in the range from 794 to 806 MHz (specify frequency range); frequency-synthesis tuning to protect against unwanted interference by allowing instant channel switching; space diversity reception for added protection against a weak signal and much more. We have two simple packages priced below, but you may also call us for other pieces in the series (it's a very comprehensive system with multiple transmitter and receiver options).

808APKG includes a camera mount receiver and plug-on transmitter. The microphone element is the popular ECM-44BMP.

805CAMPAC includes a camera mount receiver and lapel mic/body pack transmitter. The microphone element is the popular ECM-44BMP.

SONY
805CAMPAC/808APKG

For quality audio transmission at very low cost, this Audio Technica wireless system (ATWU102 consisting of a diversity receiver and plug-on transmitter) is an excellent choice. It offers 100 selectable PLL-synthesized channels; true diversity reception; operation in TV channels 57-59 to avoid interference; balanced audio output and rugged metal construction. For a body pack wireless system (that can be used with your favorite wired mic with mini-XLR connector), order model ATWU101.

ATWU102 UHF plug-on wireless mic system
Mfr. List $1,099.00
ONLY $742.00

ATWU101 UHF beltpack wireless mic system
Mfr. List $1,049.00
ONLY $708.00

AUDIO TECHNICA
ATWU102/ATWU101

* Non-inventory item subject to return restrictions.
**AUDIO TECHNICA**

**AT815ST/AT835ST**

Now there is an affordable stereo shotgun mic for the broadcaster or videographer — in fact there are two: the AT815ST (long shotgun) and the AT835ST (short shotgun).

**Features:** compact, lightweight design — perfect for camera-mount use; independent line-cardioid and figure-8 condenser elements; switchable low-frequency roll-off; switch selection of non-matrixed M-S mode and two internally-matrixed left/right stereo modes.

- **AT815ST**
  - Long stereo shotgun microphone
  - Mfr. List $999.00
  - ONLY $799.00

- **AT835ST**
  - Short stereo shotgun microphone
  - Mfr. List $899.00
  - ONLY $719.00

**Audio For Video**

**SHURE**

**FP SERIES**

Shure products are the elder statesmen in portable broadcast mixers and mic preamps. For years, engineers have relied on them for excellent audio quality and easy set-up and operation. From the simple FP12 headphone amplifier to the FP42 portable stereo mixer, BSW can get you the right equipment for your news crews and on-site program recording.

The FP22 stereo 4+1 headphone amplifier provides professional quality stereo headphone monitoring and is ideal for field production and trouble-shooting applications.

The FP42 mixer offers full stereo capability and 4 XLR mic inputs along with many important features such as pull-pot cueing on all input channels and low-cut filters. It’s perfect for mixdown in video editing.

- **FP33**
  - Is a high-end, 3-input, 2-output stereo mixer.
  - Features: high-quality, sealed input potentiometers; a dynamic range of over 100dB; 48V and 12V phantom power plus 12-volt A-B (T) power for condenser mics; LED indicators of input levels, output peaks, limiter action and low battery; pop-up pan pots; mix bus to connect additional FP33s.

- **FP22**
  - Portable headphone amplifier
  - Mfr. List $2,325.00
  - ONLY $326.00

- **FP42**
  - Portable 4-input stereo mixer
  - Mfr. List $1,264.80
  - ONLY $949.00

- **FP33**
  - UHF plug-on wireless transmitter
  - Mfr. List $1,830.90
  - ONLY $1,374.00

**REEL CABLE**

**RC-25/RC-18S**

These self-extracting cord reels with rachet-action and an adjustable cord stop puts an end to awkwardly hanging cables. The RC-25 is a 25-ft. retractable XLR cable. The RC-18s is an 18 ft. multi-cable snake (2 XLRs and 1 headphone jack) with breakaway connectors.

- **RC-25**
  - 25' retractable XLR cable
  - Mfr. List $140.00
  - ONLY $130.00

- **RC-18S**
  - 18' retractable XLR cable group
  - Mfr. List $299.00
  - ONLY $272.00

**SOUND DEVICES**

**MIXPRE/MP2**

Designed for high-definition field production, Sound Devices MixPre is a studio-quality, two-channel stereo mic preamp combining rugged construction and compact size. **Features:** 20 Hz to 50 kHz bandwidth; greater than 110 dB dynamic range; up to 66 dB of gain per channel; conductive plastic potentiometers; phantom power; input assignment (pan) switches; built-in slate microphone; 1 kHz tone oscillator; battery or DC power; dual-mono or stereo-linked limiters with adjustable thresholds; tape return enabling monitoring of external sources; aluminum chassis.

MP-2 is Sound Devices' alternate stereo mic preamp. It doesn't have the input assignment switches, built-in slate microphone or tone oscillator but instead offers a high-precision gain adjustment and an M/S stereo matrix (assignable to headphones or headphones and program output).

- **MixPre**
  - 2-channel mixable mic preamplifier
  - Mfr. List $855.00
  - *CALL FOR BEST PRICE*

- **MP2**
  - 2-channel microphone preamplifier
  - Mfr. List $855.00
  - *CALL FOR BEST PRICE*

- **CS1**
  - Carry bag for MixPre and MP-2
  - Mfr. List $146.00
  - ONLY $105.00

*Manufacturer does not allow BSW to advertise lower than list price in print.

**Audio For Video**

*Non-inventory item subject to return restrictions.*
MODULATION SCIENCES

MSI-320

The Modulation Sciences 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.

*M5320 video demodulator
Mfr. List $5,650.00 ONLY $5,318.00

RANE

AVA22D

The Rane AWA 22D is a fully balanced two input, two output audio/video alignment delay providing a range of 0.0 to 9.5 NTSC or PAL/SECAM frames on each output. Features: two non-volatile memories for easy access to previously stored delay values; remote recall inputs; 24-bit audio converters; XLR inputs and outputs; can operate as two independent channels (dual mono), or as a stereo pair; a unity gain device with sensitivity controls to provide proper internal levels for the audio converters.

*AVA22D audio/video alignment delay
Mfr. List $890.00 ONLY $679.00

CRL

TVS3003

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

*TVS3003 MTS stereo generator/AGC limiter
Mfr. List $8,795.00 ONLY $8,278.00

WHIRLWIND

PA-1

The Whirlwind PA-1 is a high-quality, portable stereo headphone amp. It accepts both balanced and unbalanced stereo line level signals through paralleled XLR and 1/4” TRS inputs. A mono/stereo switch allows selection of either stereo or mono operation. In mono mode, two separate inputs can be mixed in conjunction with the balance control. A pad switch attenuates the input -20 dB. It operates on two 9-volt batteries or AC power.

PA-1 headphone amplifier
Mfr. List $189.95 ONLY $157.00

For More Confidence Monitoring Products
See Page 96-97

Mfr. List $1,999.00
Mfr. List $4,495.00
Mfr. List $8,795.00
Mfr. List $1,999.00
Mfr. List $899.00
Mfr. List $2,850.00
Mfr. List $189.95
Mfr. List $899.00
Mfr. List $2,850.00
Mfr. List $1,999.00
Mfr. List $899.00
Mfr. List $2,850.00
Mfr. List $189.95
Mfr. List $899.00
Mfr. List $2,850.00
Mfr. List $189.95
Mfr. List $899.00
Mfr. List $2,850.00
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

*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.
### Order Form

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:**

<table>
<thead>
<tr>
<th>Call Letters/Co. Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Phone #</th>
<th>Fax #</th>
</tr>
</thead>
</table>

**Shipping Address:** (Street address required)

<table>
<thead>
<tr>
<th>Call Letters/Co. Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Phone #</th>
<th>Fax #</th>
</tr>
</thead>
</table>

**QTY** | **MODEL #** | **DESCRIPTION** | **PRICE***

Prices confirmed by BSW Sales Representative

Date

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 127 for credit application) **Shipping charges are based on actual shipping weights; please call for price quote if paying in advance. Shipping charges will be added to credit card if provided. All prices are subject to verification and change. A BSW representative will phone you for complete confirmation prior to shipping product. Personal checks gladly accepted, subject to Tele-Check approval. All returns are subject to approval. Please call for a return authorization number. In some cases a restocking charge may apply.

* Non-inventory item subject to return restrictions.
Special Audio for Video Section
See Pages 124-126

22 Pages and More of Radio Specific & RF Products

SAVE ON Accessories for the Road
See page 83

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