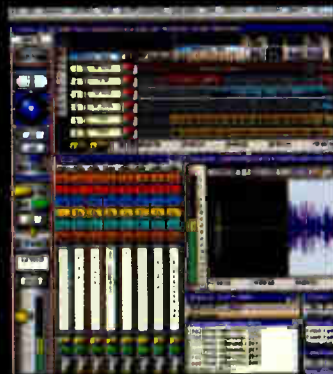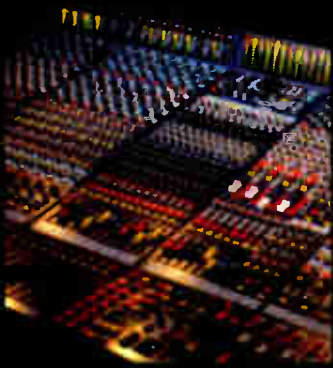# MIX 2001 AES NEW PRODUCTS GUIDE

A SUPPLEMENT TO MIX®

TOOLS AND TECHNOLOGY FOR AUDIO PROS

NEW MDR24/96

Non-linear 24-track / 24-bit hard disk recorder

$1999* INTRO PRICE

MDR 24/96

PROJECT: Dance Remix #4
PLAYLIST: Takes 1-16
DRIVE: C: Internal
AVAIL: 60: 58:04

Introducing the newest member of the Mackie hard disk recorder family!

NEW MDR24/96

- Plug-and-play recording
- 20Gb internal recording drive plus pull-out bay for removable M90 hard disks and Mackie Media Project ORB™ drives
- 24 Tracks and 192 Virtual Tracks for up to 100 minutes of continuous recording @ 48kHz
- 24 channels of 24-bit, 48kHz analog I/O included!
- Full Meter Bridge
- Transport Controls, Track Arm buttons, Locate and Loop
  - 100 BaseT Ethernet port
  - 3.5 inch drive bay for importing tempo maps and software upgrades
  - Sync to SMPTE, MIDI, and Word Clock & Video blackburst
  - Non-destructive cut, copy and paste editing with 999 Un-Do's
- Perfect ADAT® or DA-88 replacement for home or project recording on a budget

Greg Mackie's goal has always been to deliver professional creative tools at reasonable prices.

The new MDR24/96 is our price-busting commitment to nonlinear hard disk recording.

Ready to go right out of the box with 24 channels of analog I/O, the MDR24/96's familiar tape recorder style controls and simple operation will have you tracking and mixing down in no time.

Affordable, removable recording and backup drives make saving and storing projects a breeze.

The MDR24/96 is a *non-linear, non-destructive* recorder. That means you can punch-in "over" a section of a song as many times as you want without erasing it — and then choose the take you like best later. Non-linear recorders also use drive space more efficiently than linear or "tape mode" hard disk recorders.

You can do basic cut, copy and paste editing with 999 Un-Do levels using the MDR24/96's front panel controls.

Run it alone with any analog or digital mixer. Slave it to the HDR24/96 Recorder/Editor and Remote 48 controller and scrub hard drives like tape for precise editing. Or install MDR24/96's in your 'B' and 'C' rooms and edit projects on an HDR24/96 in the 'A' room.

Check out the new MDR24/96 at your Mackie dealer today.

Options:
Remote 48 (above), Remote 24, M90 20Gb Recording Drive, Project 2.2Gb Removable Drive, Digital I/O (standard Digital 8•Bus cards) ADAT®/T DIF, Optical and AES/EBU.

* Suggested U.S. street price. Your price may vary. This is a limited time, introductory price and *will* go up. Act now!

MACKIE®

800.898.3211 • www.mackie.com

Mix 2001 AES New Products Guide

Contents

Note: The information in this guide was supplied by the manufacturers. Specs, prices and availability may change, so contact these companies directly.

WELCOME, GEARHEADS!

In many ways, pro audio is no different from other high-tech industries. We're gearheads. We work with gear every day, yet we spend most of our waking hours thinking and dreaming about all of the toys we *don't* have! I forgot his name, but I recall reading about some Greek philosopher who once said, "You can never have too many microphones." Of course, in the *pre*-phantom power era of ancient Greece, they had to use ribbon and dynamic mics, but the statement still holds true today. For once we acquire all the cool stuff we think we need, we go off to an AES show somewhere, check out all the slick new product displays and start all over again. It never ends…

To keep *Mix* readers informed on some of the latest new technologies (many of which will debut at this week's 111th Audio Engineering Society Convention in New York), we present our 24th annual AES New Products Guide. Packed with specifications, photos and tech information on more than 350 recent offerings from hundreds of professional audio manufacturers, this directory focuses on products that were introduced (or shipping for the first time) in the months prior to AES and at the show.

The product information in this directory was supplied by the manufacturers. As always, specs, prices and availability may change, so readers should contact companies directly for more information, and full contact details—addresses, phone/fax numbers and URLs—are provided for your convenience.

In past years, we've incorporated our annual AES products guide as a regular part of the show issue of *Mix*. This time around, with so much going on, we decided to run the products coverage as a separate guide, for distribution to all *Mix* readers, whether they subscribe, grab a newsstand copy or pick up an issue at the show. As a bonus, AES copies will also include a floor plan of the Javits Convention Center, showing locations of AES exhibitors and a map of Manhattan spotlighting some local New York studios that may be offering tours or open house events during the convention.

If you're attending AES, we hope this new format will help guide you to technology that will make your productions better, more efficient and, hopefully, more creative. And if you can't make it to AES in person, don't worry—we'll provide complete coverage of all the show's highlights in future issues.

Welcome to New York!

George Petersen

Mix®
MAGAZINE IS AFFILIATED WITH

BPA INTERNATIONAL

SPARS

AMERICAN ABM BUSINESS MEDIA

World Radio History

FOSTEX AMERICA DEBUTS DVD-RAM MASTER RECORDER

F ostex America has introduced Model DV-40, a DVD-RAM Master Recorder, according to Rick Cannata, Professional Products Manager. "We've been working on this new design for over a year now," Cannata said, "and we're very excited about the potential of the DV-40, not only in terms of the product itself, but also in terms of a renewed commitment of the Fostex R & D team to Professional Audio Products."

The DV-40 records up to four simultaneous non-destructive audio tracks to DVD-RAM in SDII and BWF formats with reliable, built-in error correction and up to 24bit/192kHz resolution. In addition, a UDF (Universal Disc Format) is used so that DV-40 media can be mounted and read by both Mac and PC platforms without any time-consuming format transfers (keyboard and mouse ports are front panel accessible)—or, the DV-40 can become part of the editing network via its standard 100-baseT Ethernet port. The DV-40 is well-equipped to function as an archival machine, in addition to its post-production related benefits.

"We had to provide this array of random access functionality because there really is no current hard and fast rule or industry standard for this kind of digital master recorder," Cannata explained. "We wanted to offer a machine that would find a home in almost any professional environment," he said.

"But it's important to note that this recorder is not a DVD 5.1 audio mastering device; rather, it's essentially our replacement for the Timecode DAT format," Cannata concluded.

Drawing from ten-plus years of experience with timecode interface, the DV-40 boasts an elegant implementation of timecode handling in today's random access environments. Able to synchronize with both external word and video signals, the built-in timecode generator is full featured—even including the new 23.9 frame HD camera mode. The DV40 offers analog audio scrubbing by using a high precision/tracking JOG/Shuttle encoder dial.

"The user-friendly machine-operator interface offers Cue point write and recall functions based on BWF format and Play List group, using stored Cue points," Cannata further explained. "The user can also choose Direct locating to internal memory points and other locate functions, including LAST REC START/END points and LAST PLAY START point."

Software based, the DV-40 is designed for on-going upgrades, several of which have already been planned. With these software upgrades and the installation of a VGA I/F card, the DV-40 will offer file management on a VGA monitor screen, waveform editing via PS 2 machine control, and DVD-AUDIO reproduction.

By connecting a mouse and keyboard directly to the unit, along with the optional VGA upgrade, the user can provide a direct and local editing interface, freeing up facility CPUs for other applications. The DV-40 provides an ideal roving (mobile room to room) digital master editing solution where no computer or workstation is available!

Headquartered in Norwalk, California, Fostex is a leading manufacturer and marketer of innovative digital recorders/editors/mixers and performance products for creative musicians and producers, as well as personal and professional studios. Founded in 1981, the company is an American subsidiary of Foster Electric (USA), Inc.
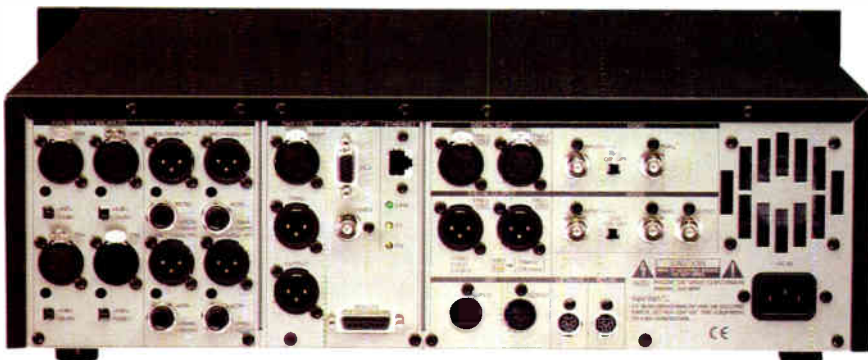
AC Power Products

Equi=Tech ET12.SW
Wall Cabinet Balance Power System

The ET12.5W offers 10 circuits/125 amps. Each circuit accommodates a discrete filter. Housed in a sturdy NEMA 12 steel cabinet, the ET12.5W features a rugged industrial-duty AC distribution panel board with commercial-grade circuit breakers, transient voltage surge protection and ground fault circuit interrupters. Components such as precision toroid isolation transformer, breakers, GFCIs, surge protectors and filters are factory-assembled and factory-prewired using the highest-quality materials and parts. Minimal installation required. Retail: $6,854.
18258 Redwood Highway, PO Box 249
Selma, OR 97538
541/597-4448; fax 541/597-4099
www.equitech.com

Furman Sound Reference Series

Because of the increasing demand for Symmetrical Balanced AC Power, Furman created the Reference Series specifically for the exacting needs of the discriminating home theater owner or audiophile. These include Symmetrical Balanced power units (the RI 1210 and RI 1220), and AC Regulators (the RA 1210 and RA 1220). These offer the ultimate in visual and audio performance, maximum noise reduction, and stylish, understated design to enhance the appearance of your system. $1,499-$3,000.

Furman Sound SPB-8
Pedal Board/Power Conditioner

The SPB-8 is the first stereo pedal board on the market and features Furman's signature high-quality power conditioning. Its stereo patchbay contains 10 1/4" switching phone jacks connected in two stereo loops, enabling signals from a single instrument to feed numerous effects boxes, send and return from remote effects, and feeds up to two amplifiers simultaneously. A large, heavy-duty Velcro sheet provides a secure grip for up to eight of the user's pedal effects. $399.
1997 S. McDowell Blvd.
Petaluma, CA 94954
707/763-1010; fax 707/763-1310
www.furmansound.com

SurgeX SX1120RT

The SurgeX SX1120 RT Series Mode Pro surge suppressor and power conditioner is designed to provide guaranteed surge protection and power conditioning for audio, video and computer equipment. The single-space rackmount 20 amp unit features eight standard grounded AC receptacles on the rear panel, with six of the receptacles switched and two always on.
6131-B Kellers Church Road
Pipersville, PA 18947
215/766-1240; fax 215/766-9202
www.surgex.com

Acoustical Materials

Acoustic Sciences Corporation Matrix Panel

The ASC Matrix Panel provides the perfect combination of absorption and diffusion in one attractive, easy-to-install acoustical panel. The Matrix Panel allows the studio owner to achieve better sonic control without the undesireable side effects created by large "dead"-sounding areas on the walls and ceiling created by large absorptive panels. The Matrix Panel is available in standard sizes of 2x2, 2x4 or 4x4 feet, and in custom sizes upon request. Available in a wide selection of fabric colors and several wood trim options.
Box 1189, 4275 W. 5th Ave.
Eugene, OR 97440
800/ASC-TUBE; fax 541/343-9245
www.tubetrap.com; www.asc-soundproof.com

Acoustical Solutions
AlphaSorb Barrier Wall Panels

AlphaSorb Barrier Wall Panels provide sound transmission and sound absorption without requiring major construction to your walls. They are great for home theater use, and are available in 48 colors and sizes up to 4x10 feet, in 1-1/8 or 2-1/8" thickness.

Acoustical Solutions
Alpha Resilient Isolation Clips

To be used with our Audio Seal Sound Barrier, Alpha Resilient Isolation Clips are designed for construction of new or existing walls where a higher STC rating is required.
3603 Mayland Ct.
Richmond, VA 23233
800/782-5742; fax 804/346-8808
www.acousticalsolutions.com

Acoustics First Transfusor

The Transfusor, as the name implies, passes light and can be used as a cover for a standard 2'x2' ceiling light fixture, thereby reducing both acoustical and visual glare. It is a variation of the Art Diffusor Model "C" binary array (U.S. Patent No. 5160816). It is a 2-D, 4-octave diffusor with a bandwidth of 250-16k Hz. Available mounting is both ceiling and wall. Price: $249 per unit.
2247 Tomlynn Street
Richmond, VA 23230
804/342-2900; Fax 804/342-1107
www.acousticsfirst.com

Auralex Acoustics Gramma

Auralex Acoustics is proud to announce GRAMMA ($59.95 MSRP). This breakthrough patent-pending product isolates speaker cabinets from the floor reducing sound transmission while increasing tonal definition and clarity. GRAMMA consists of two (2"x4"x23") PLATFOAM isolating feet, affixed to a 15"x23" ozite-covered piece of 1/2" MDF. One GRAMMA will support common guitar amps, stage monitors and small bass rigs. One GRAMMA will isolate speaker cabinets weighing up to 350 pounds (evenly distributed).
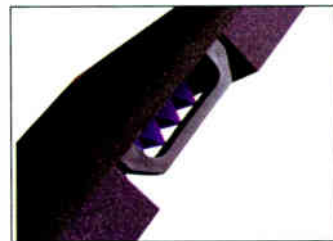
Auralex Acoustics Platfoam

Platfoam (MSRP $179) is a high-density foam product designed to create "floated" drum risers or float a studio floor (weight limitations apply). Platfoam is sold in a box quantity of 24 2"x4"x48" pieces (for an 8'x8' area). No mechanical fasteners are required to install Platfoam—four tubes of our Tubetak adhesive/box will affix to your decking. Benefits include the reduction of sound transmission and improve definition/clarity of tone.
8851 Hague Road
Indianapolis, IN 46256
317/842-2600; fax 317/842-2760
www.auralex.com
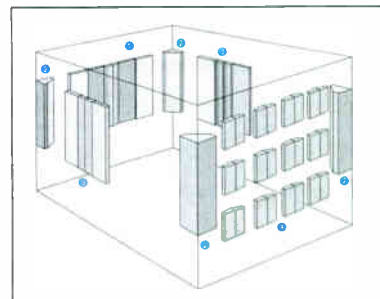
Primacoustic London-14 Studio

Primacoustic London gives you everything you need to transform a typical room into a functional recording environment. These great-sounding acoustical systems control the four main problems encountered in rectangular rooms. London combines these into an economical package priced at $600 U.S.
#114 1585 Broadway St.
Port Coquitlam, BC, Canada V3C 2M7
800/939-1001; fax 604/942-1010
www.primacoustic.com

WhisperRoom SoundWave
Deflection System

WhisperRoom is proud to announce the debut of its new SoundWave Deflection System (SDS) designed to convert parallel walls to non-parallel. Reflections and standing waves are controlled by the easy attachment of panels designed to both redirect and trap sound waves. SDS packages are available for all WhisperRoom SE 2000 Models. Prices range from $450 to $1,545.

WhisperRoom (New Sizes)
WhisperRooms are now available in 15 sizes, including six new larger sizes, and two levels of isolation. Sizes range from 2.5'x3.5' to 8.5'x15.5'. Enclosures are in stock and can be shipped immediately. Prices range from $1,520 to $19,170. Expansion packages are also available for most of our models.
116 S. Sugar Hollow Road
Morristown, TN 37813
423/585-5827; 800/200-8168; fax 423/585-5831
www.whisperroom.com

Cables and Connectors

Carver Toneline Instrument Cables
These high-definition instrument cables for studio and stage feature: gold-plated triple-strength 1/4" plugs with solid copper (tip to terminal) conductor, ultra-low capacitance (16 pF/foot) dielectric, 99.99% pure ETP copper, 20 AWG center conductor, larger-sized black matte outer jacket and a lifetime warranty. Retail: $22 to $75; options: straight or right-angle plugs; lengths from 6" to 30'.

Carver ZEROpoint Interconnect Cables
These sets of multidimensional, high-definition, 2-channel interconnect cables contain two individual cables with dual 18 AWG 99.99999% pure-copper, frequency-balanced, low-capacitance conductors; signal PVC insulator between twisted pair conductors and shielding; and a telescopic triple shield with 95% braid, 100% Mylar foil and drain wire. Lengths from 1 to 20', unbalanced and balanced configurations available, using only the best tight fit, high-conductivity gold-plated RCAs, 1/4" plugs and XLRs. Retail: $62 to $180.

Carver ZEROpoint Mic Cables
These multidimensional, high-definition mic cables feature: rugged black anodized XLRs with gold-plated pins and contacts; two 18 AWG 99.99999% pure-copper, frequency-balanced, low-capacitance conductors for an absolutely transparent audio signal; PVC insulator between twisted pair conductors and shielding; and a triple-shield design with 95% braid, 100% Mylar foil and drain wire. Retail: $36 to $200; lengths from 1 to 50'; lifetime warranty.
9300 N. Decatur
Portland, OR 97203
503/978-3344; Fax 503/978-3302
www.carverpro.com

Clark Wire & Cable Digital Audio Snakes
AES/EBU audio cables, color-coded, numbered and bundled together in 4/8/12/16-channel configurations. Cable is available either as bulk product, or Clark will assemble your custom harness for your gear.
1355 Armour Boulevard
Mundelein, IL 60060
847/949-9944; fax 847/949-9595
www.clarkwc.com

Gepco V37 Series DT12 Connectors
Gepco's new V37 Series of DT12 connectors features a low-profile, all-metal, universal termination design. Engineered to be the most functional and durable DT12 connector available, the V37 replaces Gepco's industry-standard VKC Series of connectors. All exterior components of the V37 are made of hard anodized machined aluminum with unique left-hand (reverse) threaded backshell and backnut sections, making the V37 extremely durable and crush-resistant. Ideal for use in mobile production and hostile environments.
1770 Birchwood Ave.
Des Plaines, IL 60018
847/795-9555; fax 847/795-8770
www.gepco.com

Gibson Labs New Digital Protocol
Developed under the code name GMICS, Gibson will roll out a breakthrough technology at AES. Gibson Labs, the tech division of Gibson Guitar Corp., announces a revolutionary digital protocol that allows up to 32 channels of fully duplexed, high-resolution digital audio (up to 32-bit/192kHz), video and controller information—including MIDI—to be distributed with extremely low latency on standard CAT-5 cable, and conforms to IEEE 802.3 (Ethernet) specifications.
811 N Catalina Ave., Suite 1100
Redondo Beach, CA 90277
310/372-3359; Fax 310/372-2359
www.gibson.com

Have Inc. ProFlex RGB Digital Cables
Highest-quality RGB Digital Cable Assemblies manufactured with pride in our own guild cable shop, using Canare's superb digital multichannel cable and Canare true 75-ohm BNC and RCA connectors. Available in 3, 4 or 5-channel configurations with BNC-to-BNC, BNC-to-RCA and RCA-to-RCA connectors, in lengths up to 150'. Call for pricing.

Have Inc. ProFlex VGA Cables
Highest-quality VGA cable assemblies manufactured with pride in our own guild cable shop. Lengths up to 15' are made with Canare Micro Co-ax for super flexibility. Lengths over 15' are made with Canare Digital Co-ax for strength and performance. All are made with high-quality 15-pin DSUB connectors, and matching impedence BNC or RCA connectors. Available in lengths up to 150'. Call for pricing.
309 Power Avenue
Hudson, NY 12534
800/999-4283; Fax 518/828-2008
www.haveinc.com
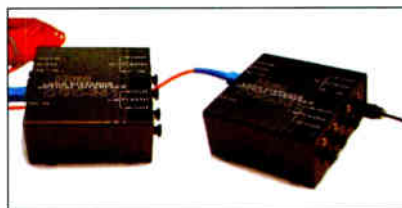
Hosa Technology OGC-361
The OGC-361 long-distance Lightpipe interface allows users to transcend the 30' limit on Lightpipe transmissions by boosting level at the source to that appropriate for glass-fiber transmission, and cutting level at the destination to that appropriate for plastic fiber. Uses "SC" glass terminations and Toslink plastic terminations. Two-piece design is simultaneously bidirectional. Retail: $499.

Hosa Technology PBP-362
Modular, multifunction Lightpipe patching system that puts all of a studio's ADAT Lightpipe (or S/PDIF optical) sources and destinations within fingertip reach. Works just like a half-normal analog audio bay. List price with one module: $325 (six patch points). Extra modules: $250 each. Room for four modules total in the bay.
6920 Hermosa Circle
Buena Park, CA 90620
714/736-9270; fax 714/522-4540
www.hosatech.com

Neutrik BNC 75-ohm Connectors
The Neutrik BNC 75-ohm cable connector series offers a push-pull version that makes assembly quick and simple and requires only a standard center contact crimp die after cable preparation. The rear-twist version comes with a "rear-twist principle" 3/4-turn locking/unlocking using the easily accessible soft-touch boot. And coming soon: a new version of BNC panel mounts available with metal threads for additional strength. The part number is NBB75FI-M.
195 Lehigh Ave.
Lakewood, NJ 08701
732/901-9488; fax 732/901-9608
www.neutrikusa.com

Sommer Cable Multicom 434
Somner Cable designs and manufactures high-quality audio and video cables in Germany. The new Multicom 434 combines four balanced audio lines, three 75-ohm video/digital audio lines and a 110/220-volt power line in one compact and highly flexible cable. The cable is ideal for mobile broadcasting. Also available is our new 68-page color catalog.
407 Stony Point Road
Santa Rosa, CA 95401
707/360-3369; Fax 707/360-3367
www.sommercable.com

Switchcraft 75-ohm BNC Series
Switchcraft's new HP75BNC Series cord-mount BNCs are designed for broadcast or other applications requiring true 75-ohm BNC connectors. Made of high-quality machined brass, with 50MI gold-plated center pins, they meet the most demanding requirements for 75-ohm BNC connectors. The series is available in seven configurations for the most popular cable sizes and types. All can be terminated with standard BNC crimping tools.
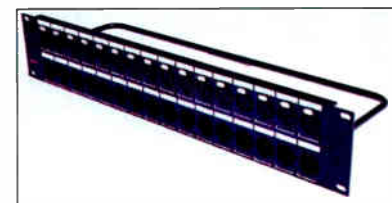
Switchcraft QG Patchbays
Switchcraft's QG Patchbay Series offer the flexibility of a patchbay pre-loaded with XLR connectors with gold-plated pins or contacts. The patchbay is available in either one- or two-rackspace versions, both with a rugged cable tie bar to eliminate stress on solder terminations. The 1U units have the following options: 16 male connectors, 16 female connectors, or eight male and eight female XLR connectors. The 2RU units have 16 male and 16 female XLR connectors. Both are also available without connectors—pre-punched for users to assemble per their own needs.

Switchcraft Right-Angle RCAs

Switchcraft's 3502RA Series of right-angle RCA plugs feature easy-to-solder terminals, a large cable clamp, and a large, rugged handle. The handle has an oversized cable opening to accept larger OD cable. Available finishes include: nickel-plated plug finger/nickel-plated handle, gold-plated plug finger/nickel-plated handle, and gold-plated plug finger/black handle.
5555 North Elston Avenue
Chicago, IL 60630
773/792-2700; Fax 773/792-2129
www.switchcraft.com

CD/DVD Duplicating Recording Systems

Denon Electronics DN-CSS0R

Dual-CD player and CD-R/CD-RW recorder records on data discs. Ignores SCMS. XLR analog inputs. Thirty-two/44.1/48kHz input sample rate converter, 24-bit D/A conversion. Synchronized recording. CD text and titling compatible. Dual-playback and Relay Playback modes. Co-ax and optical digital inputs and outputs. Two-rackspace. Released July 2001.
19 Chapin Road, Building C
Pine Brook, NJ 07058
973/396-0810; Fax 973/396-7459
www.denon.com

Fostex DV-40

Four-track DVD RAM mastering recorder records in BWF and SD2 formats. Ethernet capability. Keyboard and mouse port. Full timecode generator, including HD frame. P2 machine control. Sample rate up to 192 kHz.
15431 Blackburn Ave.
Norwalk, CA 90650
562/961-1172; fax 562/802-1964
www.fostex.com

HHB CDR830 BurnIT

The BurnIT CDR830 CD-R/RW Recorder features high-precision 24-bit converters for the highest-quality recordings. It also features Digital Synchro recording, SCMS-free digital input, CD text editing, digital record gain and balance control, double-speed finalizing, and built-in SRC. Digital I/O is via S/PDIF optical and coaxial connections. RCA phono connections provide unbalanced analog I/O. The precise design of the CD laser assembly means that every CD-R/RW disc recorded on the BurnIT is exceptionally accurate. Price $699.
1410 Centinela Avenue
Los Angeles, CA 90025
310/319-1111; fax 310/319-1311
www.hhbusa.com

MediaFORM Scribe Series

The new Scribe Series is an integrated CD-R, DVD-R duplicator and/or universal print station, which supports a wide variety of media-capable printers. Features include: exclusive SmartDRIVE technology for the protection of intellectual property and enhanced professional audio features; 100 CD spindle capacity; Relay mode for unattended duplication and printing; and business card compatibility. Pricing starts at under $2,500.
400 Eagleview Boulevard
Extron, PA 19341
610/458-9200; Fax 610/458-9554
www.mediaform.com

Microboards Technology Orbit II

CD or DVD copier, stand-alone (no PC required) CD Version records at 16x, DVD Version records 2x DVD and 8x CD. Fifty-disc input, one-button operation, easy use, compact footprint, ideal for any application.
8150 Mallory Ct.
Chanhassen, MN 55317
952/556-1600; fax 952/556-1620
www.microboards.com

Mitsui DVD-R

Mitsui DVD-R discs, 3.95GB and 4.7GB, are highly specialized blank DVD-recordable media for massive data storage and retrieval, suitable for authoring any type of DVD disc (DVD-Video, DVD-ROM, DVD-Audio).

Mitsui Silver CD-R

Mitsui Advanced Media has optimized its current, patented Phthalocyanine dye, which is responsible for our dependable, long-term archivability, and combined it with a new, stronger silver reflective layer, which increases the strength and flexibility of CD-R writing and reading. The new silver CD-R offers the highest reflectivity rate of a CD-R to date, markedly exceeding the Orange Book standard. Mitsui has also introduced a protective coating called Diamond Coat for improved thermal printability and high resistance to physical damage.
10045 Federal Drive
Colorado Springs, CO 80908
888/626-2377; fax 914/253-8623
www.mitsuicdr.com

Primera Technology ComposerPro

The ComposerPro Optical Disc Duplicator/SignaturePro CD Color Printer from Primera Technology Inc. allows you to robotically duplicate and print up to 100 CD-Rs/DVD-Rs hands-free. The 2-drive capacity is available in a 16x CD-R drive or a General Purpose (GP) drive that records both CD-Rs at 8x and DVD-Rs at 2x. Network Software is also available for ComposerPro. Select the new SignaturePro CD Color Printer for 2,400-dpi resolution and 16-second full-color printing.
Two Carlson Parkway North
Plymouth, MN 55447
763/475-6676; fax 763/475-6677
www.primeratechnology.com

SADiE CD-R Tower

The SADiE CD-R tower is a multiple CD burner for the SADiE range of digital audio workstations. Available in either a 4- or 8-recorder version, multiple towers can be connected offering simultaneous recordings of up to 64 discs. Featured within each model is an internal hard drive that can store up to 20 different bit-accurate CD images. The system can also copy directly from a CD or a disc image on the hard drive. Price: 4-recorder tower, $3,750; 8-recorder tower, $5,995.
2218 Metro Center Blvd.
Nashville, TN 37228
615/327-1140; Fax 615/327-1699
www.sadie.com

Superdups SuperSilver CD-R Media

SuperSilver 16x certified recordable discs are high-quality CD-R media that closely resemble a pressed CD, with a "true" silver appearance on both sides of the media. SuperSilver CD-Rs work reliably at fast recording speeds, giving high production yields with low errors. Thermal and ink jet printable surfaces are available.
68H Stiles Rd.
Salem, NH 03079
800/617-3877; fax 603/890-8997
www.superdups.com

Vivastar DVD-Recorder RS-121

The Vivastar Next-Generation DVD Recorder has been designed and built with a Swiss dedication to quality that has brought Vivastar's DVD and CD media to the forefront of the industry. The Vivastar DVD Recorder offers features that meet or exceed any unit on the market today. The write-once drive connects to any PC via a SCSI-2 interface, and writes to 4.7GB DVD-R discs at both 1x and 2x speeds. The DVD-R Media will be available for both authoring and general use (94.7 GB/120 min). The RS-121 is $899.
310 South Street
Plainville, MA 02762
508/ 699-2211
www.vivastar.com

Computer Software & Peripherals

AlterMedia Studio Suite S

Studio Suite 5 is a major upgrade to the leading studio management software. It quickly and easily manages everything studios needs to keep track of: schedules, contacts, communications, projects, rates, inventories, libraries, labels, invoices and more. This version expands its scope, satisfying the needs of all kinds of media production: audio, video, pre-production, production, post-production, animation, graphics, film, TV, radio, DVD, Internet, games, duplication, mastering, rentals, etc. It is user-customizable, relational, networkable across platforms and Internet-accessible. $499.
6300 Powers Ferry Rd., #600-336
Atlanta, GA 30339
800/450-5748; fax 770/303-0967
www.studiosuite.com

BIAS Deck VST 3.0

Record and mix your multitrack audio with Deck from Berkley Integrated Audio Software. Deck features up to 64 tracks of recording and playback, 999 virtual tracks, VST plug-in support, automated level mixing, built-in DSP effects, and support for remote MIDI control of faders and transport controls. Version 3.0 adds a new user interface, stereo effects, a master output fader, and CPU meter. Includes BIAS Peak LE, BIAS Vbox SE, Waves AudioTrack, and Roxio Toast lite 5.01. MSRP: $399.

Hosa Creates Solutions!
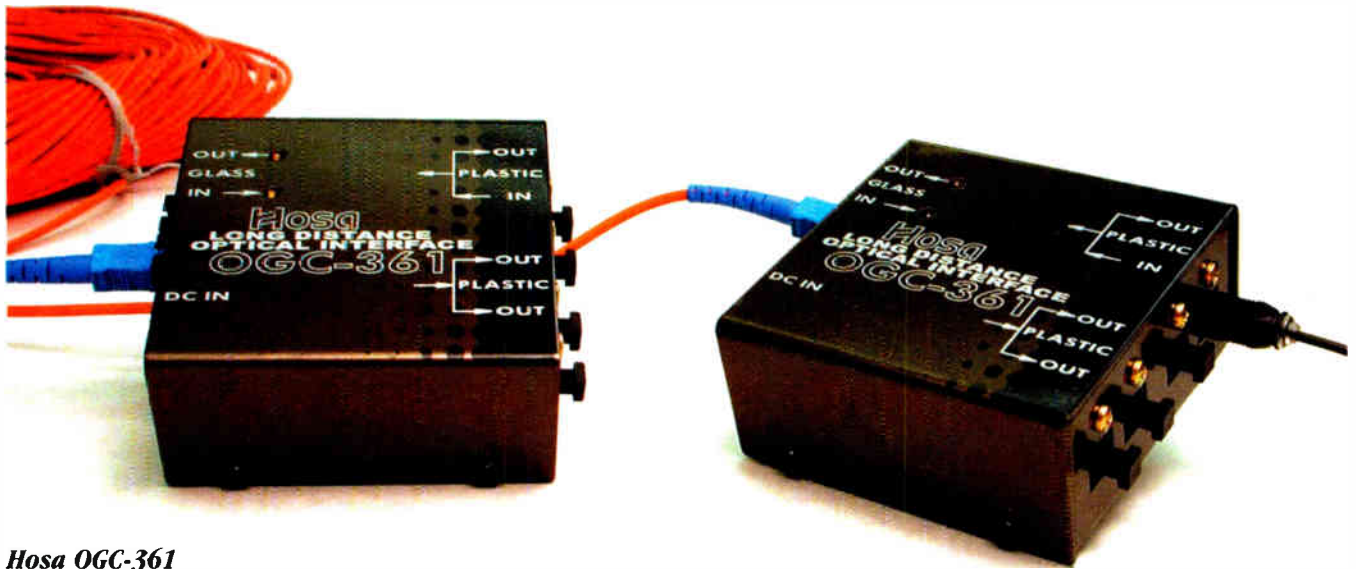
Hosa OGC-361
Long Distance Optical Interface

Hosa has been in the business of creating solutions for audio professionals for seventeen years. By listening and responding to the professional audio community, we have been there consistently with the right connections for both digital and analog audio.

Take the Litepipe format for example; a method of simultaneously transferring eight channels of digital audio over a single fiber optic cable. So popular has this format become that those familiar, little toslink connectors are found on all kinds of mixing consoles, hard disk recorders, computer cards and even outboard gear. And as power users begin to "push the envelope," incorporating into their studio setups more and more Litepipe sources and destinations, new needs have arisen. How does the studio owner easily pull together, organize, simplify and control all of these connections while making them easily reconfigurable? And what about the 30-foot limit for reliable Litepipe transmissions? Can this limitation in the format and the media be overcome?

Well, first check out Hosa's new **PBP-362** modular, multi-function fiber-optic patch bay that puts all of your Litepipe or S/PDIF optical sources and destinations within fingertip reach for easy patching, repatching, signal insertion, splitting and more. It works for Litepipe feeds in exactly the same way that a half-normal patch bay does for analog audio, so there's nothing new to learn. A fully-loaded PBP-362 is a 24-point half-normal bay that can tame any power user's wildest Litepipe scenario. At eight audio channels per patch, that represents 96 channels IN to the back of the bay, and 96 channels OUT from the back of the bay and the front, with the option of substituting 96 more channels IN to the front of the bay!

To save money you can start more humbly with just one 6-point module, knowing that this bay can grow along with your studio. We also offer a simple optional Litepipe splitter module for this bay (MSP-364) with one Litepipe input and two Litepipe outputs all on the front panel. Other modules with even more functions are in the works, too.

And have you seen our ingenious new **OGC-361** Long-Distance Litepipe system? Forget that 30-foot limit and start thinking 500 feet! We accomplish this feat by using a two-piece system to up-convert your source Litepipe signal to a level appropriate for transmission through glass-fiber cables using SC connectors, and then at the destination (as much as 500 feet away!) down-converting back to original Litepipe levels. The system offers extra splits of the signal both at the source and at the destination for broadcast feeds, separate processing or for any other purpose.

These great new designs are shipping now, and you can learn more about them on our website, **www.hosatech.com**. Do you have an idea for a new product that would help audio professionals? Please email us at: **solutions@hosatech.com**.

Litepipe is a trademark of Alesis.

Hosa PBP-362
Modular Patch System

BIAS Peak VST 2.6

Peak VST ($499) from Berkley Integrated Audio Software is the most full-featured, powerful, yet easy-to-use, stereo, digital audio editing program available for Macintosh. Peak features playlist direct, Red Book (DAO) CD burning, sampler support and multiple file formats, including MP3, Shockwave and RealAudio 5.0. Peak also supports ASIO hardware, VST, AudioSuite and Premiere plug-ins, and includes BIAS Vbox SE 1.0, Waves AudioTrack and Roxio Toast lite 5.01. Also available in a $699 TDM plug-in supporting version.
1370 Industrial Avenue, Suite A
Petaluma, CA 94952
707/782-1866; fax 707/782-1874
www.bias-inc.com

Cakewalk SONAR

The SONAR digital multitrack recording system is a new generation of professional audio technology from Cakewalk, the leading developer of music and sound software for Windows. SONAR is the musician's choice for recording, editing, mixing, and delivering music and sound projects for CDs, film and video scores, the Internet, or any multimedia project. SONAR lets you explore your creative depths, providing the tools you need to take your music in new directions.

Cakewalk SONAR XL

SONAR XL provides all of the capabilities of SONAR plus additional DXi soft synths, audio loop libraries and a SoundFont library. SONAR XL includes Alien Connections' ReValver SE, FX Applied Acoustics Systems' Tassman 2.0 DXi (full version), Numerical Sound Percussion Wall Loops, Expanded PowerFX Sampler, Smart Loops Sampler, Sonic Implants SoundFont Library, and SquareWAV Studios Essential Rock Loops.
51 Melcher St.
Boston, MA 02210
617/423-9004; fax 617/423-9007
www.cakewalk.com

California Technology Turnkey Systems

Rackmount turnkey, ultra low-latency digital audio workstations configured with MS Windows and Pentium 4 up to 1.8 GHz, 256MB to 2GB RAM, separate boot drive, and ultra-fast 80-320GB drive for editing/recording, redundancy and fast backup options. Turnkey systems starting at $5,900. Internet training and Internet remote support. Turnkeys available for Cakewalk, Cubase, Nuendo, Emagic Logic, Sound Forge, Vegas, Pyramix, Samplitude, Sequoia.
1837 Fulton Ave
Sacaramento, CA 95825
888/773-9665
www.c-techsys.com

CM Labs Dashboard

The Dashboard complements our popular MotorMix or stands alone as an editing worksurface. Transport, Autolocator, and jog/shuttle wheel complement the unique Navigator, Marker and Clipboard sections. The LCD handles track labels and plug-ins. Eight endless pots provide pan/send/plug-in control and act as the monitoring command center when used with our CM Labs SixtyFour studio router. Large 8-digit timecode display. Fully supports Digidesign Pro Tools and 001/LE systems. List: $999.

CM Labs MotorMate

MotorMate is the newest entry in CM Labs' line of digital worksurfaces. MotorMate sports eight 100mm touch-sensing motorized faders and eight endless pots for pan/send/plug-in control. The LCD handles track labels and plug-ins. The Mate's Transport, Autolocator, and Jog/Shuttle wheel complement the Navigator, Marker and Clipboard sections. Large 8-digit timecode display and studio/control room monitor/phones section. Fully supports Digidesign Pro Tools and 001/LE systems. List: $1,699.
13221 191st Ave. S.E.
Monroe, WA 98272
360/794-1196; fax 360/794-1196
www.cmlabs.net

Cycling '74 Max4/MSP2

Max4/MSP2 is the first major update of Cycling '74's object-oriented programming environment for audio/media applications in four years. Max4/MSP2 features an improved editing interface and over 100 new signal processing and user interface objects. New features include sample-accurate scheduling, improved MIDI timing, and improved tools for polyphony management, spectral processing, interactive waveform display and audio-rate sequencing. Max4/MSP2 also supports inter-application audio using Propellerheads' ReWire and Digidesign's DirectConnect and enhanced audio file support. List: $495.
1186 Folsom St.
San Francisco, CA 94103
415/621-5743; fax 415/621-6563
www.cycling74.com

Digidesign Pro Tools Custom Keyboard

Tired of trying to memorize those keyboard commands for Pro Tools? Well, with the new Pro Tools Custom Keyboard this hassle will soon be a thing of the past. A stylish, clearly labeled, color-coded USB keyboard built specifically for Pro Tools, the Pro Tools Custom Keyboard will speed up your sessions by helping you to master all of the keyboard commands and rely less on using your mouse to control Pro Tools. $250.
3401-A Hillview Avenue
Palo Alto, CA 94304
650/842-7900
www.digidesign.com

Edirol DA-2496 8x8 Multitrack Interface

This one-rackspace device with PCI card allows for A/D conversion through an 8 input by 8 output switching interface. Record multiple instruments and performers—each on its own track. Delivers professional-quality digital audio for mixing and editing, audio resolution up to 24-bit/96kHz. Connections: L/R XLR plus 1/4" inputs on front panel; optical/coaxial S/PDIF I/O; MIDI and wordclock I/Os; and five 1/4" I/Os on rear panel. It's compatible with ASIO 2.0 (WIN/Mac), MME (WIN) and Sound Manager (Mac). SRP: $799.
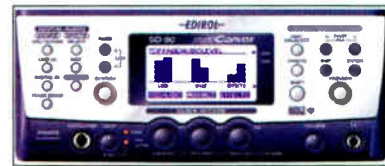
Edirol SD-90 USB Digital Studio

This audio interface and pro-quality MIDI tone module can capture analog/digital audio to your computer and provides 1,000 instrument sounds and 36 drum sets, with up to 64-note polyphony. Specs: 24-bit/48kHz DACs; MIDI I/Os; optical/co-ax S/PDIF I/O; 1/4" guitar/mic inputs; two stereo RCA outs with RSS 3-D sound modeling; GM2/GS compatible rich sound source selections; onboard DSP effects; and USB connection to computer. SD-90 is compatible with ASIO 2.0 (WIN/Mac), MME (WIN) and Sound Manager (Mac). SRP: $1,195.
425 Sequoia Dr., Suite 114
Bellingham, WA 98226
360/594-4273; Fax 360/594-4271
www.edirol.com

Ego-Sys Enhanced Windows Driver Model

Based on the Microsoft WDM (Windows Driver Model), Ego-Sys has developed the E-WDM (Enhanced-WDM), a one-driver model for MME, DirectSound, ASIO and GSIF in multi-streaming/client mode under Windows 2000/ME/98SE environments. Features include: lower latency performance, Steinberg ASIO and Nemesys GSIF compatibility, and multiple applications (different drivers) can be assigned to the same (or different) output port(s).
429 East Grand Ave.
El Segundo, CA 90245
310/322-6248; Fax 310/322-4700
www.egosys.net
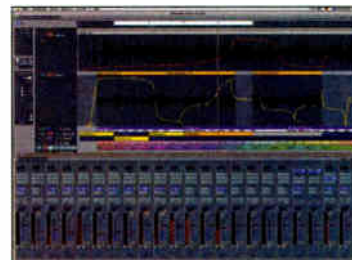
Emagic Logic Audio Version S

Computer software for music composition and audio production. New features include a new automation system, more than 50 plug-ins, individual output support of audio instruments, new scrubbing functionality, high-end dithering, high-quality audio file support for all Logic Series, Score editor enhancements, new file format support, and new hardware control integration. Price: TBA

World Radio History

World Radio History

Emagic Logic Control

Logic Control is the Expandable hardware remote-control system for Logic Audio 5, jointly developed by Emagic and Mackie Designs. Eight Penny & Giles 100mm, touch-sensitive, motorized faders, weighted jog/shuttle/scrub wheel, 16 user definable function keys, multifunction rotary V-pots for pan, sends, EQ, plug-in parameters and dynamics, multi-displays for maximum legibility, dedicated Record, Solo and Mute buttons on each channel, dedicated transport controls, cursor keys, keys for automation and function modes. Price: TBA.
13348 Grass Valley Ave.
Grass Valley, CA 95945
530/477-1051; fax 530/477-1052
www.emagic.de

Event EZbus

The EZbus computer audio recording interface, software control surface and stand-alone digital mixer features 24-bit/96kHz mic/instrument/line inputs, USB I/O, ADAT optical I/O, S/PDIF I/O, dual MIDI ports, wordclock, and transport controls and a jog/shuttle wheel for operating sequencers and DAWs. All channels offer multiband EQ and dynamics processing plus four sends; four returns can function as additional inputs. Comes with presets for software control of DAWs, virtual instruments and plug-ins. $849 MSRP.
Box 4189
Santa Barbara, CA 93140-4189
805/566-7777; Fax 805/566-7771
www.event1.com

Glyph Technologies M Project

M Project is a new FireWire hard drive storage solution for MOTU hard disk recording systems. M Project adds up to 75 GB of audio storage to a MOTU rig in seconds, backed by Glyph's legendary service and support. M Project is the only MOTU-approved FireWire storage solution for the 828 FireWire interface and all MOTU PCI-324-based systems, including the 2408mkII, 1296, 1224 or 24i. M Project easily shares the FireWire bus with the 828, and even comes with a built-in FireWire hub for connecting multiple 828s, along with M Project, to your computer. M Project is the ideal alternative to SCSI drives because it frees up a PCI slot.
735 W. Clinton St.
Ithaca, NY 14850
607/275-0345; Fax 607/275-9464
www.glyphtech.com

Innovative Quality Software SAWStudio

The SAWStudio technology from IQS emulates large-scale mixing, recording and editing equipment in a virtual software-based environment. It is capable of replacing typical production control rooms costing hundreds of thousands of dollars. Fully automated 72-stereo-track virtual console and multitrack recorder/editor with a true real-time engine. Handles DirectX, VST and SAWStudio Native processing protocols. Price: $2,500; Lite Version: $1,200.
3088 Emerson Ave.
Las Vegas, NV 89121
702/435-9077, fax 702/435-9106
www.sawstudio.com

Joemeek MQ1

The new Joemeek MQ1 is a drive-size device that installs into a PC or Mac drive slot. It offers a mic preamp, compressor, DI, instrument input, XLR mic cable, output gain and EQ. It includes a breakout PCI card that installs easily, and all software you need to get you recording quickly. List: $249.99.
Dist. by PMI Audio
23773 Madison Street
Torrance, CA 90505
877/563-6335; Fax 310/373-4714
www.joemeek.com

Lynx Studio Technology LynxTWO

LynxTWO PCI card is a 24-bit/192kHz multichannel audio reference interface that is compatible with Windows and Mac-based audio and video workstations. Three analog I/O configurations are available: 4 in/4 out ($1,095); 2 in/6 out ($995); and 6 in/2 out ($1,095). Each supports AES-3 and S/PDIF. LynxTWO also provides support for ADAT and TDIF, locks to composite video and wordclocks, and includes an LTC reader/generator. LynxTWO is distributed in the USA by HHB (www.hhbusa.com).
1048 Irvine Avenue, #468
Newport Beach, CA 92660
949/515-8265; fax 949/645-8470
www.lynxstudio.com

Meyer Sound MAPP Online

MAPP (Multipurpose Acoustical Prediction Program) Online is an advanced tool for high-resolution acoustical modeling of loudspeaker array performance. Running on a server at Meyer Sound headquarters and accessible from any Java-enabled Web browser, MAPP Online allows sound designers to specify a multiple loudspeaker array system and see an accurate prediction of its directional characteristics, including frequency response, at any point around the system. MAPP Online offers a very high level of precision, using 1/24th-octave/1° complex loudspeaker data.
2832 San Pablo Avenue
Berkeley, CA 94702
510/486-1166; Fax 510/486-8356
www.meyersound.com

Midiman USB Audiosport Duo

The Duo is a powerful tool for recording mic and line-level signals over USB in the highest quality possible. Features include: two mic inputs and two balanced 1/4" TRS inputs; a stereo pair of our critically acclaimed mic preamps with -20dB pads and 48V phantom power; gain stages of 40 dB and 30 dB; zero-latency direct monitoring; and multitrack recording and mixing without PCI card installation. Price: $349.95.

Midiman USB Audiosport Quattro

The Quattro has more professional connectivity than any other USB audio interface with 4-in/4-out, MIDI I/O, and compatibility with the Omni I/O, which adds aux ins, mic pre's, and more. Can be used with your laptop, iMac, or any USB-compatible computer. Features include: 24-bit/96kHz; zero-latency direct monitoring; 1/4" balanced TRS connectors; selectable input and output levels supporting guitar/keyboard/line inputs; and onboard USB MIDI interface. List price: $349.95.
45 E. Saint Joseph Street
Arcadia, CA 91006
800/969-6434; fax 626/445-7564
www.midiman.net

MOTU Digital Performer 3.01

Awarded Electronic Musician's Editors' Choice Award for two years in a row (2000 and 2001), Digital Performer is an audio workstation and MIDI sequencer software package for Macs. Users can record, edit, arrange, mix, process and master MIDI and audio tracks simultaneously to produce musical recordings, soundtracks for film and television, and other audio production tasks. Version 3.0 adds many new features, including complete open-ended surround production for all current and future surround sound formats. Version 3.01 will ship by AES and will be free to all DP3 users, downloadable from www.motu.com.
1280 Massachusetts Ave.
Cambridge, MA 02138
617/576-2760; fax 617/576-3609
www.motu.com

Native Instruments Reaktor 3

Reaktor is a modular sound design studio with excellent audio quality. It provides a production environment for unique instruments and sound ideas. Its library contains everything from small components up to complete synthesizers, samplers, effects, sequencers and drum machines. It is a powerful tool in the studio and for live performances. In addition to mighty new modules, the remarkably efficient audio engine runs faster on any machine. The redesigned interface enables you to drag-and-drop samples and structures. Reaktor 3 price: $499.
28 Schlesische Strasse Berlin 10997
+49 3061 10 35-0; fax +49 3061 10 35-55
www.native-instruments.com

Radikal Technologies SAC-2K and SAC-8X

A touch-sensitive, motorized control surface for audio/video software on both Macintosh and Windows platforms. Digital Performer, Pro Tools, VST, Nuendo, Logic, Sound Diver, Pulsar, Samplitude and soon Paris, Wave Frame, Native Instruments, Cakewalk and Final Cut Pro(2). Nine motorized touch faders, 12 LED encoders, three LCDs, jog, transport, timecode readout and numeric. Over 60 built-in virtual instrument templates. SAC-8X expansion with eight touch faders, eight touch encoders and two additional LCDs. MIDI/USB.
1119 North Wilson Avenue
Teaneck, NJ 07666
201/836-5116; Fax 201/836-0661
www.radikaltechnologies.com

Renkus-Heinz EASE 4.0

Renkus-Heinz will debut EAZE Version 4.0 at AES. Enhancements include: phase data for loudspeakers or systems, the new Caesar module, a complex acoustical mapping module, EASEvision architectural rendering module, and new Texture and Light Source Editors. EASE 4.0 also features EASEMapping Viewer, a new function that allows loading of EASE mapping files, both 3-D bit maps and 2-D files, and saves the calculation as an EASEMAP file.
19201 Cook Street
Foothill Ranch, CA 92610
949/588-9997; Fax 949/588-9514
www.renkus-heinz.com
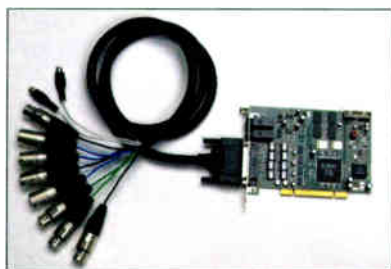
SEK'D Prodif 88

The ProdifF 88 is an 8-channel AES/EBU PCI card for Windows PCs. It features four transformer-balanced AES/EBU stereo in and outputs, wordclock in and outputs, as well as a balanced analog output for monitoring. The card comes bundled with Samplitude project, Storm SEK'D Studio and DSound Stomp'n FX Vol.1 plug-ins. ASIO and MME drivers for Windows 95/98/ME, NT and 2000 are included.

SEK'D Sequoia 6.0

The new version of SEK'D's flagship multitrack and mastering software, Sequoia features a new modular mixer concept, an unlimited object editor for real-time effects per audio object and a completely user-configurable GUI.
407 Stony Point Road
Santa Rosa, CA 95401
707/360-3369; Fax 707/360-3367
www.sekd.com

Sonic Foundry Sound Forge 5.0

Sound Forge is Sonic Foundry's award-winning 2-track digital audio editor. Sound Forge includes a powerful set of audio processes, tools and effects for manipulating audio. This one-of-a-kind application is perfect for audio editing, audio recording, effects processing and media encoding. New in Sound Forge 5.0 is 24-bit/192kHz file support, CD burning/ripping, 18 DirectX audio plug-ins, Acoustic Mirror effects modeler, Wave Hammer compressor/volume maximizer, enhanced audio plug-in chainer and more. List: $499.95.

Sonic Foundry Acid Pro 3.0

Acid Pro 3.0 is an award-winning loop-based music creation tool that allows you to produce original, royalty-free music. Use Acid to create songs, remix tracks, develop music beds, score videos, and develop music for Websites and Flash animations. New in Acid Pro 3.0 is MIDI record and playback, Beatmapper remixing tool, video scoring track, Chopper editing tool, 12 new DirectX audio plug-ins, CD ripping, a powerful new effects model and more. List: $499.95.
1617 Sherman Ave.
Madison, WI 53704
800/577-6642; fax 608/250-1745
www.sonicfoundry.com

Soundscape Mixpander 9

The Mixpander 9 ($2,500) 24-bit/96kHz-capable DSP expansion PCI card puts the power of nine Motorola 563xx DSPs in your Windows-based PC. Its 2.6 GIPS processing capability offers 640 audio connections between the DSPs, plus 32 channels of additional audio streaming from the PCI bus of the PC. No buses are required for routing between in-line effects or other DSP elements in each channel strip (eg., EQs, sends, faders, meters, etc.), for a staggering number of possible connections. All current Soundscape mixer plug-ins are supported.
435 McGrath Street #308
Ventura, CA 93003
805/658-7375; Fax 805/658-6395
www.soundscape-digital.com

Steinberg Nuendo 1.5 Macintosh

Nuendo is a complete professional audio production system for music, post-production, sound design and surround mixing. Key features include 32-bit floating processing, 96kHz (and up) support, open TL, OMF, 9-pin sync, ASIO 2.0 and video track scrubbing. Superior sound quality, built-in surround sound mixing, and the most flexible compatibility and hardware support make Nuendo the best choice for high-end audio production.
9200 Eton Ave.
Chatsworth, CA 91311
818/678-5100; fax 818/678-5199
www.steinberg.net; www.nuendo.com
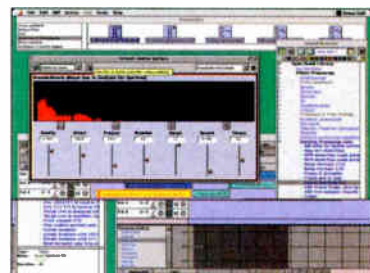
Symbolic Sound Kyma 5.15

Winner of *Electronic Musician* magazine's Editors' Choice Award for 1998 and 2001, the Kyma Sound Design Workstation provides modules for granular synthesis, sample granulation, cross-synthesis, true spectral morphing, highly intelligible vocoding, live spectral analysis/resynthesis, analog-style synthesis/sequencing and more. Sound designers for music, games, film and advertising use the Kyma software to design unique real-time synthesis and effects algorithms that they can fine-tune or perform using the Capybara·320 DSP hardware, without using host computer resources for sound generation.
Box 2549
Champaign, IL 61825-2549
217/355-6273; fax 217/355-6562
www.SymbolicSound.com
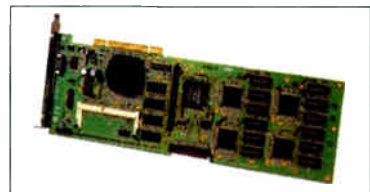
TC Works PowerCore

TC PowerCore is a PCI card that acts as a DSP Turbo, finally enabling native users to run extremely intensive high-end effects that previously taxed the host computer to the utmost. TC PowerCore delivers professional signal processing performance seamlessly integrated into any VST-compatible sequencer or audio application. Retail price: $1,299.
52B Flughafenstrasse
Hamburg, Germany 22335
+45 8742 7000; Fax +45 8742 7010
www.tcelectronic.com

Tonos Entertainment Tonos TC8

The Tonos TC8 is an 8-track digital recorder and mixer allowing musicians to record up to eight separate tracks and insert additional effects such as reverb, compression, distortion and equalization. Musicians can use it to create original projects alone, or easily connect with other musicians to embark and collaborate on projects together. Try a 30-day free trial; $29.95 thereafter for one year of access.
8675 Hayden Place
Culver City, CA 90232
310/841-4200; fax 310/841-4201
www.tonos.com

Visiosonic PCDJ Red

PCDJ Red is professional DJ software. Synchronized auto mixing for matched fade-ins and -outs between two tracks. On-the-fly looping and cueing capabilities let you keep the beat going while you remix in real time. You can create encrypted MP3 files from any audio source, including ripping functions. The auto BPM extractor is as accurate as 1/1,000 of a beat. You can record your mixes in real time, compile wait lists of your songs, and leave the floor while the software is in Auto-Play or Shuffle mode. List: $249.
21939 US 19 North
Clearwater, FL 33765
727/799-3828; fax 727/799-2747
www.pcdj.com

Wave Digital MicroWave

Incredibly small, super-portable computer featuring Intel Pentium III 1GHz CPU, Intel 815 chipset, four USB Ports, two FireWire ports, 256MB SDRAM, 30GB HD and a CD-RW drive. All in a 6.15x5.75x2.2" package (size does matter!), roughly the size of a portable CD player. Retail: $2,099.
1170 Greenwood Lake Turnipike
Ringwood, NJ 07456
973/728-2425; Fax 973/728-2931
www.wavedigital.com

Digital Converters

Apogee Electronics AD-16

Apogee's AD-16 is a 16-channel, 24-bit, 44.1 to 96kHz A/D converter featuring balanced analog inputs and Lightpipe digital outputs offering ADAT and S-MUX formats. Optional daughter card for AES or TDIF outputs. Wordclock inputs and outputs also provided. The AD-16 front panel includes lock and sample-rate indicators plus "signal present" and "over" LEDs on each channel. Apogee's Soft Limit for maximizing recorded level, and UV22HR for maintaining 24-bit detail at 20 and 16 bits, also included.

Apogee Electronics DA-16 "IntelliDAC"

"IntelliDAC" is a 16-channel, 24-bit, 32-106k Hz D/A converter with AES/EBU, ADAT/S-MUX and TDIF inputs, and balanced simulated Class-A analog outs. The DA-16 features a unique 2-stage external clocking system that effectively de-jitters both incoming clock and data for ultimate audio quality, and offers the ability to lock to almost any input signal or wordclock. The DA-16 identifies and indicates the source sample rate automatically, and also indicates signal presence.
3145 Donald Douglas Loop South
Santa Monica, CA 90405
310/915-1000; Fax 310/391-6262
www.apogeedigital.com

dB Technologies M*AD-824 A/D

The new M*AD-824 A/D converter, priced to accommodate smaller facilities or multichannel applications. The new module is part of the dB44-96 PSU/Rackmount System, a multichannel conversion system providing 44.1, 48, 88.2 or 96kHz sampling frequencies, plus varispeed operation. The dB44-96 is suited for basic 2-channel mastering, workstation 8-track (or higher) installations and surround sound applications. In addition, the dB44-96 is field-expandable as more channels are desired.
Dist. by Audio Intervisual Design
1155 N. La Brea Ave.
West Hollywood, CA 90038
323/845-1155; Fax 323/845-1170
www.aidinc.com

Euphonix AES31 TransferStation

The AES31 TransferStation for R1 digital multitrack recorders enables 24-bit/96kHz digitized audio files to be converted easily to the industry-standard AES31 file format and stored on conventional servers. The AES31 TransferStation uses industry-standard Broadcast Wave (BWAV) files, compatible with practically any audio software. This stand-alone, PC-based system connects to any server topology using conventional Ethernet and fiber-channel ports.
220 Portage Ave.
Palo Alto, CA 94306
650/855-0400; Fax 650/855-0410
www.euphonix.com

Friend-Chip MQA Modules

Friend-Chip manufactures modular digital patchbays. Module formats include AES/EBU, TDIF, ADAT and S/PDIF. The new MQA modules allow the user to convert back and forth between ADAT and AES/EBU, TDIF and S/PDIF, or between TDIF and AES/EBU, ADAT and S/PDIF. In the process, ADAT and TDIF streams can also be detangled and merged from different ADAT streams.
407 Stony Point Road
Santa Rosa, CA 95401
707/360-3369; Fax 707/360-3367
www.friend-chip.de
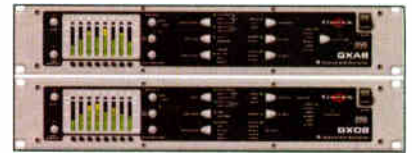
Genex GXA8 and GXD8 Converters

The GXA8 and GXD8 are the first commercially available devices to support 8-channel, 24-bit/192kHz and DSD conversion. The GXA8 ADC translates eight channels of balanced analog audio into 24-bit digital audio, at rates up to 192 kHz. Outputs are available in a variety of digital formats: AES (single- and dual-wire), SDIF-2, ADAT and TDIF. The GXA8 can also be used as a clock master, or can lock to external wordclock, with a precision Phase-Locked Loop to attenuate jitter. GXA8 A/D: $3,649; GXD8 D/A: $3,049.
1410 Centinela Avenue
Los Angeles, CA 90025
310/319-1111; Fax 310/319-1311
www.hhb.co.uk

Harrison Remote Box

Harrison's Remote Box is a 3RU rackmount unit, providing high-performance signal conversion at the most cost-effective price available. Each unit provides up to 112 channels of audio signal format conversion and will accommodate any two Harrison signal conversion cards. Units are modular in design, and scalable for any size setup. Available converters: AES in, AES out, A/D, D/A. AES inputs have sample rate conversion ("SRC"). SRC is available as a stand-alone option for AES outputs. Call for quote.
1024 Firestone Parkway
Nashville, TN 37211
615/641-7200; Fax 615/641-7224
www.harrisonconsoles.com

Metric Halo Mobile I/O 2882

Mobile I/O is the best value around, providing eight channels of 24-bit/96kHz analog I/O with high-quality mic pre's and phantom power, eight channels of ADAT Optical I/O, stereo digital I/O (S/PDIF or AES/EBU), wordclock and FireWire. Mobile I/O's matrix/routing mixer for near-zero latency foldback, and ASIO drivers make Mobile I/O compatible with your favorite software. Mobile I/O sets the standard in computer-based recording, allowing you to record and process audio anywhere your computer goes.
M/S 601
Castle Point, NY 12511
845/831-8600; Fax 603/250-2451
www.mhlabs.com

World Radio History

Brittle is for **nuts,** not **audio**

Does your audio sound brittle and hard? Now Empirical Labs has TWO great toys to make tracks jump with excitement, and help take that "plastic" edge off of your digital multitracks and masters.

Since its debut in 1995, the Distressor has become a workhorse, both in the studio and on the road. With it's easy to use classic knee compression and exclusive harmonic generation capabilities, it has found its way onto thousands of major records, from artists as diverse as Pavorotti to Nine Inch Nails.

Now Empirical Labs Introduces the Fatso (Full Analog Tape Simulator & Optimizer – get it?) With a soft clip harmonic generator, a high frequency saturator to soften the treble, a transformer for tape head emulation ... plus some basic kick-butt compression... the Fatso is an arsenal of tools designed to bring back the sweet high end and low frequency warmth you loved on your classic old punchy analog tape recordings.

So save the brittle hard stuff for your sweet tooth, and count on Empirical Labs to sweeten your day – and your music – with its "Swiss Army knife", session-saver processors: the Distressor and the new Fatso.

Distressor Model EL-8 and EL-8X

NOMINEE

Classic Knee Sound • Programmable Analog Distortion/Warmth • Eight Unique Curves including 10:1 Opto Ratio & the famous "Nuke" mode • new British Mode & Stereo Image Link

Fatso Jr Model EL-7

Full Analog Tape Simulator and Optimizer

Harmonic Generator & Soft Clipper • Transformer & Tape Head Emulation High Frequency Saturation (warmth!) • Classic Knee Compression • 5.1 Surround Linking

SEE US AT AES BOOTH #1357

To find out who's Distressed and who's Fat, check out www.empiricallabs.com or call to arrange a demo.

Empirical Labs inc.
Turning the World on its Ear

WAVE DISTRIBUTION

1170 Greenwood Lake Turnpike, Ringwood, NJ 07456 tel (973) 728-2425 • fax (973) 728-2931 • email eli@wavedistribution.com

Otari FS-96 Format/Sample Rate Converter

The Otari FS-96 converts signal formats and sample rates of digital audio signals. A total of five professional digital audio formats (ADAT, AES/EBU, SDIF-2, TDIF-1 and optional MADI) are supported, and 24 channels of digital audio signals can be converted simultaneously to all of the signal formats available on the FS-96. Sample rates from 32 to 96 kHz are supported, and signal routing is available within the unit. Price: $4,995. Optional MADI card: $1,295.
8236 Remmet Avenue
Canoga Park, CA 91304
800/877-0577; Fax 818/594-7208
www.otari.com

Swissonic AD8 mLan FireWire

The Swissonic AD8 is an 8-channel A/D converter with mic preamps for each channel. The digital outputs are modular. The user can choose between a dual-ADAT interface (SMUX), an AES/EBU or the new mLan FireWire interface.
407 Stony Point Road
Santa Rosa, CA 95401
707/360-3369; Fax 707/360-3367
www.swissonic.com

Disk-Based Recording/Editing Systems

Akai DPS24 Digital Personal Studio

The DPS24 is a 24-track Digital Personal Studio supporting sampling rates up to 96 kHz. Combined with a 44-channel, 20-bus digital mixer featuring touch-sensitive motorized faders with full onboard automation, the DPS24 provides professional features like dedicated inserts, ADC inputs for external mic pre's, 12 XLR-1/4" combo inputs, dedicated dynamics processing on every channel and an intuitive interface. Records up to 20 tracks simultaneously. Retail: $5,499, including 30GB internal drive.
4710 Mercantile Drive
Fort Worth, TX 76137
817/831-9203; Fax 817/222-1490
www.akaipro.com

Alesis ADAT HD 24

The HD 24 offers: 24-bit recording; 24 tracks @ 44.1, 48 kHz; 12 tracks @ 88.2, 96 kHz via ADAT Optical I/O, or optional Alesis 96kHz A/D board. Twenty-four channels of 24-bit analog I/O included. Twenty-four channels of ADAT Optical I/O included. Records on low-cost IDE hard drives using ADAT FST recording format for ultimate data stability. Two hot-swap front panel drive bays. Cut, copy, paste, insert editing. Ethernet port for export/import of tracks to PC in .WAV or .AIFF format. LRC remote. Full-function remote control TBA. U.S. MSRP: $2,499.
1633 26th Street
Santa Monica, CA 90404
800/5ALESIS; Fax 310/255-3511
www.alesis.com

BOSS SP-505 Groove Sampling Workstation

The BOSS SP-505 Groove Sampling Workstation is the ultimate tool for working with samples, loops and laying down beats. This compact box gives you eight voices of CD-quality sampling, sophisticated sample editing tools including Chop, Pitch and BPM Sync, plus a 4-part sequencer for creating grooves using samples or onboard tones. And with 26 killer DSP effects—plus an easy graphic interface with real-time control knobs—the SP-505 has everything groove musicians need to build cutting-edge tracks.

BOSS BR-532 Digital Studio

With the BR-532 Digital Studio, BOSS gives guitarists and songwriters the freedom to record their music anytime, anyplace. Using SmartMedia, the portable BR-532 can record up to four primary tracks—each with eight Virtual Tracks—which can be mixed down along with a separate stereo drum track and onboard effects, and then transferred digitally to a computer or CD burner. And with its ultra-affordable price, there's never been a more convenient way to capture your music while it's fresh.
5100 S. Eastern Avenue
Los Angeles, CA 90040
323/890-3700; Fax 323/890-3701
www.bossus.com

Cube Technologies AudioCube 5

The AudioCube 5 from Cube-Tec is a multichannel, 24-bit/96kHz (dual-wire, 192kHz) integrated audio workstation. Configurable with eight, 16 or 24 AES/EBU I/O channels, the AudioCube offers the most comprehensive selection of professional audio production tools ever assembled in a single platform. The integration of DVD-Audio authoring, mastering, restoration, audio analysis, quality controlled automated archival and audio editing, in a self-contained workstation provides unparalleled efficiency, throughput and quality control. List Price: $27,000
Dist. by Sascom
34 Nelson St.
Oakville, Ontario, Canada L6L 3H6
905/469-8080; fax 905/469-1129
www.cube-tec.com

Digidesign Pro Tools|24 MIX³

Experience the most powerful Pro Tools system ever: Pro Tools|24 MIX³. Combining a MIX Core card with two MIX Farm cards, Pro Tools|24 MIX³ (pronounced "MIX-cubed") packs an incredible amount of DSP horsepower and support for 48 channels of I/O into a price that can't be beat. Pro Tools|24 MIX³ is perfect for taking advantage of the newest surround mixing features in the latest Pro Tools software. Price: $11,995.
3401-A Hillview Avenue
Palo Alto, CA 94304
650/842-7900
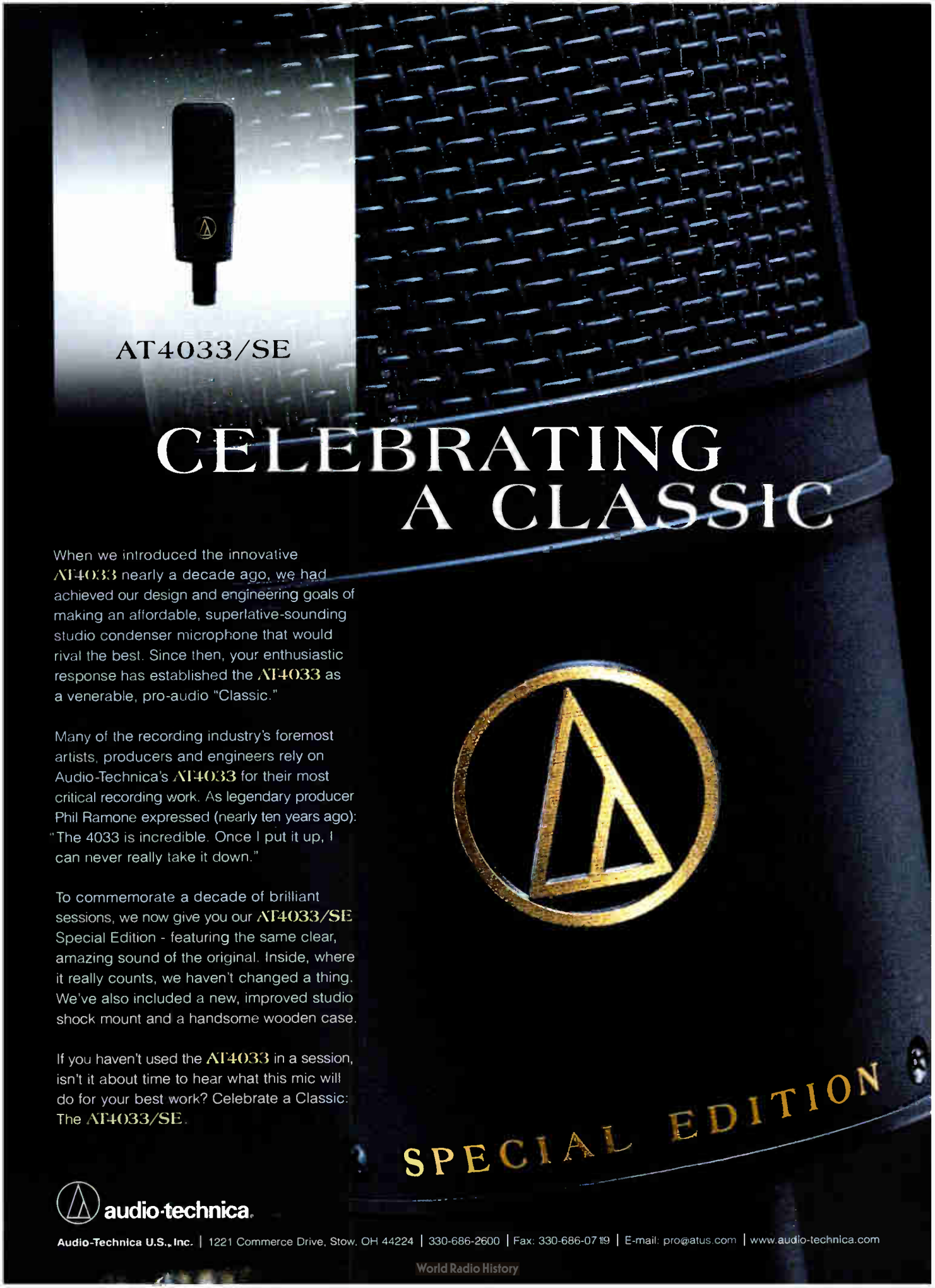www.digidesign.com

DSP Media Inc. Vmotion

Random-access, hard disk video recorder/player for audio post-production. Ergonomically designed for fast, efficient engineering, Vmotion replaces conventional video tape recorders. Can interface with mixing consoles or sequencer/DAWs via 9-pin machine control acting as master or slave. High-resolution touch screen control comprised of actual video picture with Touchpoint Locate Tiles for instant video playback positioning. Frame-by-frame display allows picture jogging by touching and moving the appropriate frame. Powerful, feature-filled ADR package. Priced under $10,000.
11330 Ventura Boulevard
Studio City, CA 91604
818/487-5656; Fax 818/487-5660
www.dspmedia.com

HHB Portadisc Reporter's Kit

The HHB Portadisc Reporter's Kit includes an HHB Portadisc MDP500 pro MiniDisc recorder, a Sennheiser MD46 reporter's mic and a full range of accessories in a tough Pelican case. The Portadisc uses a precision MD drive for maximum durability, has a frequency response of 10-20k Hz and a dynamic range greater than 96 dB, and is the only MD portable to feature a USB interface.
1410 Centinela Avenue
Los Angeles, CA 90025
310/319-1111; Fax 310/319-1311
www.hhb.co.uk

iZ Technology RADAR 24 Version 3.1

RADAR 24 is a 24-track, 24-bit hard disk recorder, an ultra-reliable, sonically superb replacement for analog, DASH, 8-track MDM and 8-track dubbing machines. Intuitive interface, sample rates of up to 192 kHz, broadcast wave export and Ethernet connectivity add new value to a product that is becoming the new standard for hard disk recording in professional facilities around the world. Complete systems with analog I/O, DVD-RAM backup and professional controller from $8,995.
214-8988 Fraserton Court
Burnaby, B.C., Canada
800/776-1356; Fax 604/430-5828
www.recordingtheworld.com

AT4033/SE

CELEBRATING A CLASSIC

When we introduced the innovative AT4033 nearly a decade ago, we had achieved our design and engineering goals of making an affordable, superlative-sounding studio condenser microphone that would rival the best. Since then, your enthusiastic response has established the AT4033 as a venerable, pro-audio "Classic."

Many of the recording industry's foremost artists, producers and engineers rely on Audio-Technica's AT4033 for their most critical recording work. As legendary producer Phil Ramone expressed (nearly ten years ago): "The 4033 is incredible. Once I put it up, I can never really take it down."

To commemorate a decade of brilliant sessions, we now give you our AT4033/SE Special Edition - featuring the same clear, amazing sound of the original. Inside, where it really counts, we haven't changed a thing. We've also included a new, improved studio shock mount and a handsome wooden case.
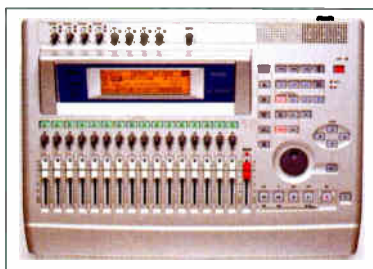
If you haven't used the AT4033 in a session, isn't it about time to hear what this mic will do for your best work? Celebrate a Classic: The AT4033/SE.

SPECIAL EDITION

audio-technica.

Audio-Technica U.S., Inc. | 1221 Commerce Drive, Stow, OH 44224 | 330-686-2600 | Fax: 330-686-07119 | E-mail: pro@atus.com | www.audio-technica.com

Korg D-Series Upgrades

New operating systems for Korg's D1600 and D12 Personal Recording Studios feature support for up to 8x writing to CD-R and CD-RW media (for creating audio CDs or data backups). Other enhancements include: simultaneous export of multiple .WAV files; the ability to format fixed and removable media such as FAT16; an improved track display screen; better meter level resolution; and faster .WAV file previewing. Users can download the upgrades free at www.korg.com.
316 South Service Rd.
Melville, NY 11747
516/333-9100; Fax 516/333-9108
www.korg.com

Merging Technologies
Pyramix Virtual Studio 4.0

Pyramix Virtual Studio 4.0 features the high-performance, Tri-media-based PCI Mykerinos board offering a choice of 16 I/O on ADAT daughter card, up to 64 I/O on MADI daughter card, or the new 24 I/O AES/EBU, TDIF and SDIF cards. The software supports multiboard HDTDM systems with up to eight Mykerinos boards plugged into one PC, providing up to 512 I/Os and virtually unlimited DSP processing power. Surround DVD pre-mastering including Dolby AC-3 encoding and/or 24-bit, 192kHz Linear PCM. Extended File/EDL compatibility adds Akai, Open TL, AES-31 and OMF Import/Export to CMX support.
3340 Dundee Road, Suite 2C-3
Northbrook, IL 60062
847/272-0500; Fax 847/272-0597
www.merging.com

Nagra NAGRA-V

Principal application is for ENG and dual-system film and video audio where "over the shoulder" operation is required. Over two hours of 2-channel 24-bit audio is stored onto "ORB" removable hard drive media. Pre-record buffer. SD II and BWF file format for direct access by DAWs. Two mic preamps, two line inputs; accepts up to four mics with individual channel assign; analog and AES digital outputs; and SMPTE/EBU timecode generator/synchronizer. Available: 2002. MSRP: $8,000.
240 Great Circle Road, Suite 326
Nashville, TN 37228
615/726-5191; Fax 615/726-5189
www.nagrausa.com

SADiE SACD Mastering Editor

The SADiE SACD Mastering Editor is an integrated stereo SACD editing, mastering and authoring system, and is designed to record and edit DSD material for creating an SACD master. Available as a turnkey system only, the new editor is based on a radically new hardware platform. The new DSD editor supports the recording and full editing capability of stereo DSD material, down conversion to 16-bit PCM and full authoring capabilities to the Scarlet Book standard. Price: $28,000.

SADiE DVD-A Direct

DVD-A Direct is a Windows-based system providing complete authoring tools for DVD-Audio. A SADiE system featuring DVD-A Direct provides tools for the whole production process, from editing and mixing in 5.1 surround, optional MLP encoding and authoring the disc to DVD-R or DLT tape. Supporting all audio formats in the DVD-Audio spec, DVD-A Direct creates fully compliant DVD-A reference discs, directly playable on most DVD-Audio players for instant quality control checking. Price: $5,995.

SADiE ARTEMiS

Designed for editing applications requiring large amounts of digital signal processing, such as DVD production, CD mastering, film/TV post-production and music editing, each ARTEMIS system can handle 192kHz/24-bit and offers 3x the DSP power of 24-96. All internal audio processing utilizes 32-bit floating-point accuracy, ensuring the highest possible sound quality throughout the system. Priced from $14,995.

SADiE 24-96

Designed for pro audio editing applications including film and TV post-production, CD/DDP mastering, music editing, radio production, telecine transfer, speech editing, education and multimedia, SADiE 24-96 is supplied only as a turnkey solution. It's expandable to meet the needs of any sized project, interfaces directly into any studio installation, and is instantly ready for use, providing speed, reliability and flexibility. Priced from $12,995.
2218 Metro Center Blvd.
Nashville, TN 37228
615/327-1140; Fax 615/327-1699
www.sadie.com

Sonifex Net-Log

Net-Log is a new way to record/play audio that overcomes the inherent unreliability of PCs for long-term recording by providing a dedicated hardware recording platform using a simple network connection for audio playback. Net-Log can record four mono or two stereo audio streams for playback over TCP/IP. Audio is enclosed in MPEG Layer-2 format and written to a large internal IDE hard disk drive. All configurations and operational features are controlled from the PC using Net-Log-Win software. Price: Net-Log-01, 4-channel audio logger: $4,375; Net-Log-Win01, Win 98/NT Windows single license: $525; Net-Log-Win05, Win 98/NT Windows 5-user license: $1,725.
Dist. by Independent Audio
43 Deerfield Road
Portland, ME 04101
207/773-2424; Fax 207/773-2422
www.independentaudio.com

Tascam SX-1 Audio Production Station

The Tascam SX-1 is a pro-caliber music and audio production studio in an integrated package. Designed for serious project studios, commercial recording facilities and sound-for-picture post-production, the SX-1 combines hard disk recording, digital mixing, MIDI sequencing, plug-in effects, advanced DAW-style editing and mastering capabilities. The SX-1 features: 24-bit ADCs and DACs; high sampling rates including 96/88.2 kHz; plug-in effects architecture; and a variety of interfaces for easy studio integration with additional gear. Price: $8,999.
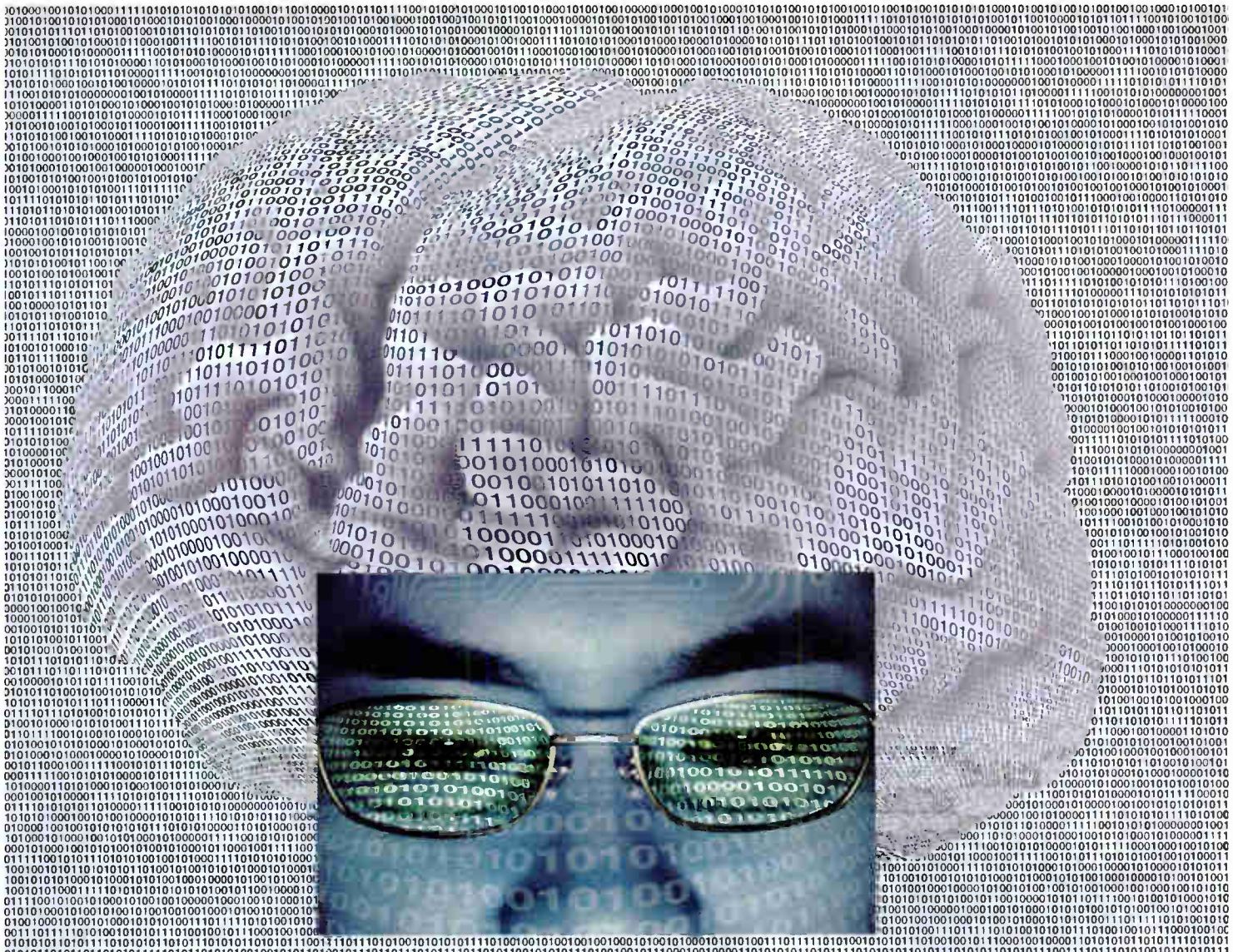
Tascam MX-2424 OS Version 3.0

The Tascam MX-2424 is now capable of DAW-style waveform editing with the release of MX-OS 3.0 and the MX-View application for Mac and Windows platforms. Among the powerful editing features of MX-View are: support for simultaneous multiple MX-2424 recorders; sample level editing; edit groups; comprehensive editing commands; four independent clipboards; Ethernet file transfer; onscreen meters for all connected MX-2424 recorders; volume automation; and improved file management. Free to all registered MX-2424 users.
7733 Telegraph Road
Montebello, CA 90640
323/726-0303; Fax 323/727-7635
www.tascam.com

WaveFrame FrameWorks/DX Version 4

The FrameWorks/DX high-definition digital audio workstation features up to 64 channels of 24-bit, 48kHz audio with complete recording, editing, mixing, surround panning and a flexible plug-in architecture. The system can be configured with ADAT (16-channel), AES/EBU (24-channel) or MADI (64-channel) digital I/O. The system includes CD mastering and timecode sync with options for multichannel recording at 96 kHz, 192 kHz and a DSD option. Prices start at $5,500 for unbundled systems.

WaveFrame WaveFrame/7

The WaveFrame/7 digital audio workstation features 32 channels of 24-bit, 48kHz audio with complete editing, spotting, logging, ADR/Foley recording, mixing, surround panning and a flexible plug-in architecture. The system can be configured with ADAT (16-channel), AES/EBU (24-channel) or MADI (32-channel) digital I/O. File-format compatibility options include project and media import and export between WaveFrame 6, WaveFrame/7, OpenTL (Tascam), OMF (Avid and Digidesign) and the AES31 interchange standard. Prices start at $8,500 for unbundled systems.
5818 Vallejo Street
Emeryville, CA 94608
510/594-9455; Fax 801/760-2750
www.waveframe.com

Yamaha AW2816

The AW2816 Professional Audio Workstation records up to 16 tracks of true 24-bit digital audio and includes full 32-bit DSP capabilities, 28 fully automated audio inputs, nine motorized faders, an inclusive 16-track recording system, motorized faders and automation/snapshot capability. Full MIDI implementation allows the unit to function as the front end and control for computer-based recording systems. Other features include an easy-routing screen, SCSI interface, Flash ROM operating system and integrated CD-RW drive.
6600 Orangethorpe Avenue
Buena Park, CA 90620
714/522-9011; Fax 714/522-9522
www.yamaha.com

Loudspeaker Technology

A.D.A.M. Audio S4A

Extremely high-end powered studio monitor featuring ribbon HF and midrange drivers, 3x 100-watt amps and 28-35k Hz frequency response.
Dist. by McCave Intl.
924 Colina Court
Lafayette, CA 94549
800/218-6305; Fax 925/283-6064
www.mccave.com

Atlas Sound Monitors Models 2028 & 20210

Atlas sound offers a line of two-way stage monitors with high-power handling. Both models—the 2028 ($360) using two 8" woofers, and the $460 20210 with two 10" woofers—combine their dual woofers with a high-output HF compression driver to provide an extremely compact system with bass output rivaling much larger cabinets, yet in an unobtrusive, low-profile package.
1601 Jack McKay Boulevard
Ennis, TX 75119
800/876-7337
www.atlassound.com

Blue Sky Intl. Sky System One

Sky System One is a 2.1 system consisting of two Blue Sky SAT 6.5 bi-amplified Satellite speakers and a complementary powered SUB 12 subwoofer. Employing Blue Sky's proprietary computer-optimized crossover and bass-management networks, the Sky System One delivers seamless full-range audio from the subwoofer to the main monitors with smooth on- and off-axis frequency response. In addition, the Sky System One is THX pm3 approved for use in THX pm3 Certified Studios. MSRP: $1395.
Dist. by Group One Ltd.
200 Sea Lane
Farmingdale, NY 11735
631/249-1399; Fax 631/753-1020
www.abluesky.com

Bose Panaray 802 Series III

The updated Bose 802 Series III is a 240-watt (continuous), full-range loudspeaker designed for permanent installations and portable use in indoor and outdoor commercial applications. This weather-resistant speaker offers full-frequency reproduction over a wide dispersion area, rugged portable enclosure with metal grille and a protective cover with carrying handle. Dimensions: 13x20.5x12.5" (HxWxD); weight: 31 lbs; response: 55-16k Hz ±3 dB.

Bose Panaray 402 Series II

The newly updated Bose 402 Series II is a compact, full-range loudspeaker engineered for high-quality sound reinforcement use in indoor and outdoor commercial applications. This 120-watt (continuous) speaker, designed for permanent and portable installations, has a patented Articulated Array baffle and other proprietary technologies that control the dispersion pattern for uniform coverage. Also available in white. Size: 23.25x8.1x7.25" (HxWxD); weight: 15 lbs; response: 90-16k Hz ±3 dB
100 Mountain Road
Framingham, MA 01701
Phone: 508/879-7330; Fax 508/872-6640
www.bose.com

Community CPL

Community's CPL loudspeaker family expands the new CPL26 and CPL28. Featuring IntelliSense driver protection, the duo is stylishly built to meet the aesthetic and performance demands of fixed installations, ranging from restaurants and nightclubs to auditoriums and houses of worship. Versatile and cost-effective, the compact, powerful enclosures perform with highly controlled directivity and sensitivity rated at 95 dB at 1 watt/1 meter.

Community WET Series

New additions to Community's WET Series, the WET218 and WET228, are designed to provide voice and full-range music reproduction in applications demanding the utmost in weather-resistance performance. Well-suited for theme parks, swimming pools, stadiums and cruise ships, both models—like all other WET products—are engineered to withstand soaking conditions through the use of all-Fiberglas enclosures, stainless-steel hardware and driver diaphragms made from materials impervious to the elements.
333 East 5th Street
Chester, PA 19013
610/876-3400; Fax 610/874-0190
www.loudspeakers.net

D.A.S. Compact 1

The Compact 1 is a three-way, bi-amplified, self-powered system for full-range performance. Features state-of-the-art 1,000-watt Class-D switching amp with two 500W ICEpower modules from Bang & Olufsen PowerHouse. One 500W channel for the LF section and another 500W channel for the mid-high section. Includes D.A.S. 15" woofer with 4" voice coil: midrange is via a horn-loaded 6" cone and highs by a 1" driver.
1 Enterprise Drive
Old Lyme, CT 06371
860/434-9190; Fax 860/434-1759
www.dasaudio.com

MIX

September 12, 2001

Dear Mix Readers,

Like all of you, we at *Mix* were shocked and horrified by the unspeakable carnage that occurred yesterday in New York City and Washington, D.C. We were equally inspired by the bravery and heroism shown by emergency workers and ordinary citizens alike, who rose to the occasion to give aid under extraordinary circumstances. We feel and share the pain—not only for the victims, but also their families and friends, and hope that they will find peace and solace in the days and months ahead.

The goal of terrorism is to disrupt and change behavior. As a result of this week's events, we may need to raise our levels of vigilance, but we cannot and should not let wanton acts of aggression alter our lives. We feel the Audio Engineering Society made the right decision today when they postponed next week's 111th AES Convention, which will now take place at New York's Javits Convention Center from Friday, November 30, to Monday, December 3, 2001.

Unfortunately, the New York AES-themed issue of *Mix* that you now hold was printed the weekend before the terrorist attacks and we were unable to change the content before it shipped. This also includes the October issue's second volume, our annual AES New Products Guide—with more than 350 new technology debuts. In the spirit of the show, we invite you to check out what's new and visit manufacturer Web sites for a pre-show preview.

Compared to the events of this week, rescheduling some hotel rooms and juggling travel plans to attend a late-November AES show is a minor inconvenience. Professional audio may be a small and insulated industry, but we are part of the world at large, and our hearts and thoughts are with the victims and their loved ones.

Sincerely,

George Petersen
Editorial Director

John Pledger
Publisher

World Radio History

dbx IEM—In-Ear Monitor Processor

The IEM In-Ear Monitor Processor is the world's first all-inclusive processor designed specifically for in-ear monitor applications. It features two stages of limiting and Lexicon reverb algorithms.

dbx 442 DriveRack

The 442 is a continuation of dbx's highly successful DriveRack family. The 442 offers four inputs and four outputs of effects processing, including: 31-band graphic EQ, compressor/limiter, delay and parametric EQ on each channel.
8760 S. Sandy Parkway
Sandy, Utah 84070
801/568-7660; Fax 801/568-7662
www.dbxpro.com

Dynaudio Acoustics AIR Series

The AIR Series is a brand-new range of intelligent monitor systems. Utilizing DSP, networking intelligence and PWM amplifiers, the AIR Series defines a new level for performance and operation convenience in the speaker world. Central remote control, preset storage and recall, extreme alignment flexibility and ultimate precision are among the numerous advantages offered by the AIR Series.
Sindalsvej 34
8240 Risskov, Denmark
+45 8742 7000; Fax +45 8742 7010
www.tcelectronic.com

EAW DCS8

The high-performance DCS8 adds yet another reason to use the popular Avalon Series. Designed with the same footprint as the Flagship DC1 system, the DCS8 features mounting points that line up perfectly with those of the DC1 system, allowing it to be stacked or flown above and below a DC1 and steered electronically down to the dance floor. This is particularly appealing for clubs where real estate is at a premium but require a high-quality sound system.

EAW Steerable Line Array

EAW has developed a Steerable Line Array using the latest DSP technology. This concept provides the ability for precise, broadband control of both the vertical dispersion angle and coverage direction, independent of its physical mounting position. The slim profile makes it an attractive solution for providing high intelligibility in applications such as meeting rooms, auditoriums, houses of worship and transportation centers, like railroad stations and airports.
1 Main Street
Whitinsville, MA 01588
508/234-6158; Fax 508/234-8251
www.eaw.com

Electro-Voice SxA100

The SxA100 is a bi-amped, two-way, 12" box featuring a high-quality mic pre, limiter and dynamic filtering, and two mic/line inputs. The unit features a 55-20k Hz frequency response and 150-watts/75-watt continuous LF/HF power handling. The SxA100 is a fully contained, easy-to-use solution for lecturers, teachers, duo and solo acoustic acts, small jazz groups, seminars and business presentations. MSRP: $799.
12000 Portland Ave. South
Burnsville, MN 55337
952/884-4051; Fax 952/884-0043
www.electro-voice.com

Event 20/20/12 System Subwoofer

The 20/20/12 System Subwoofer is a small profile system sporting a custom 12" long-throw woofer and a 250W linear power amp. The unit features a full bass management system, comprising six discrete, active, balanced inputs with pass-throughs, a tunable mains/sub crossover and variable phase control. The LFE input feeds the 20/20/12 amp via a dedicated crossover; the five mains inputs are summed into an additional bass channel to extend the mains' low frequency response. Retail: $899.
Box 4189
Santa Barbara, CA 93140-4189
805/566-7777; Fax 805/566-7771
www.event1.com

FBT MAXx 9SA

This bass reflex design/polypropylene cabinet, 900-watt RMS powered subwoofer weighs only 55 lbs. Features include: frequency response, 40-125 Hz; max SPL of 129 dB; 15" B&C neodymium magnet woofer with die-cast frame; and FBT ADAP protection circuitry for amp and speaker. Its control panel features a built-in stereo crossover; Neutrik Combo XLR/1/4" inputs; L/R channel filtered outputs, L/R link-thru outputs; volume control; and ground lift switch. Dimensions: 19.5x25.5x19" (WxHxD).

FBT MaXx 6a

This 900-watt RMS, two-way, bi-amplified system in a polypropylene cabinet weighs only 64 lbs., with internal 700W PWM amp for the woofer; 200W Class-G amp for the HF driver in an asymmetrical profile for use as a stage monitor or FOH box. Specs: response, 40-20k Hz; SPL, 128 dB; 15" B&C woofer; 90x60° HF horn; and four M-10 flying points. The control panel features: Neutrik Combo XLR/1/4" input; adjustable preamp gain control; 3-band EQ, ±15 dB @ 80/2.5k/12k Hz; volume control; and mic/line and ground lift switches. Dimensions: 19x30x18" (WxHxD). Price: $1,399.
1940 Wilbur Cross Highway
Berlin, CT 06037
800/333-9383; Fax 860/829-1026
www.fbt.it

Fostex America RM-1

Machine room 1U rackmount stereo monitor. Two stereo inputs switchable L/R channel matrix. Fully balanced. Frequency range 100-20k. Industrial design and construction. Signal presence LED.
15431 Blackburn Avenue
Norwalk, CA 90650
562/921-1112; Fax 562/802-1964
www.fostex.com

Griffin Mastering Loudspeaker

With Francis Manzella Design, Griffin Audio Design presents the Griffin Mastering Loudspeaker. Its precise, full-bandwidth reproduction reveals details in recordings that other loudspeakers cannot. This level of detail and precision is not affected by volume, and the Griffin can produce a continuous full bandwidth SPL of 116 dB at the listening position, with a measured response of 20 Hz to beyond 20 kHz ±2 dB. Stereo system including two full-range loudspeakers and stereo active controller unit: $25,490 (U.S.).
9 N. Shenorock Drive
Yorktown Heights, NY 10598
914/248-7680; Fax 914/248-7780
info@fmdesign.com
www.fmdesign.com/griffin.htm

Harbor Beach Audio Speakers

Harbor Beach Audio has full-range and subwoofer cabinets in a polyurethane or raw oak finish. With or without fly-ware for long- and short-throw applications. An audiophile design with professional applications. Mains from $300.00 to $1,050 each. Subs from $550 to $650.
8498 Sand Beach Road
PO Box 244
Harbor Beach, MI 48441
989/479-0631; Fax 989/479-0572

HK Audio L.U.C.A.S. 1000

The L.U.C.A.S. 1000 active system is a compact, portable system that combines one 600-watt central 15" subwoofer that includes all of the electronics, and two powered 200-watt satellites with 8" speakers and CD HF horns. HK Audio's unique OFR technology enhances the system frequency response for a richer, smoother sound. As volume needs change during a performance, special active filters manage the frequency adjustment.

Dist. by Akai Musical Instruments
4710 Mercantile Drive
Fort Worth, TX 76137
817/831-9203; Fax 817/222-1490
www.HKAudio.com

JBL Professional MPro

JBL's MPro loudspeakers include nine speaker systems in two distinct lines. The carpet-covered MPro 200 Series includes the MP212 (12", two-way), MP215 (15", two-way), MP225 (dual 15", two-way) and MP225S (dual 15" subwoofer). The five MPro 400 Series speakers are the MP410 (10", two-way), MP412 (12", two-way), MP415 (15", two-way), MP418S (18" subwoofer) and MP418SP (18" subwoofer powered by internal Crown amp). The MPro 400 Series feature Duraflex coatings and higher powered components.

JBL Professional PD Series

PD (Precision Directivity) Systems are intended for large-scale reinforcement in arenas and stadiums. JBL's Custom Shop developed this technology that allows low frequencies to be "steered" at specific areas of an arena for even bass coverage throughout. The MF/HF range loudspeakers are a new coaxial design, with specific coverage angles for precisely aiming sound at individual sections of the audience area for high intelligibility and maximum fidelity.

8500 Balboa Boulevard
Northridge, CA 91329
818/894-8850
www.jblpro.com

Klein + Hummel O 500 C

The O 500 C three-way, active main monitor has a built-in digital controller based on revolutionary FIR filter technology. The FIR filters can be set to adjust frequency and phase to equalize problematic acoustic modes to improve the studio acoustics at the listening position. The 12" LF, 3" dome midrange and 1" dome tweeter are driven by onboard 500/280/360-watt (peak) amps offering max SPLs of more than 123 dB.

12 Zeppelinstrasse
Ostfildern, Germany 73760
+49 711 458 930; Fax +49 711 4589 335
www.klein-hummel.de

Klipsch IC-5T and IC-6T

These commercial in-ceiling speakers pack proven materials and technology into install-friendly, UL-certified, back can designs, with 30-watt (IC-5T) or 60-watt (IC-6T) 70-/100-volt multi-tap transformers. Features include swiveling Tractrix Horns with aluminum dome compression drivers, injection molded (IMG) woofer cones, Santoprene surrounds, cast polymer woofer frames and screw-down terminals. The multi-tap setting and 8-ohm bypass switch are conveniently located on the front baffle, and both come with a tile bridge.

3502 Woodview Trace, Suite 200
Indianapolis, IN 46268-1195
317/860-8708; Fax 317/860-9170
www.klipsch.com

KRK V4 Mini Monitor

The 9x6x7" (HxWxD), 11-pound V4 has separate amplifiers for both woofer and tweeter, which offers extremely clean and virtually distortion-free audio. Features include a 1" fabric dome tweeter, 4" woven Kevlar woofer, 45 watts of onboard bi-amplification; 65-20k Hz response ($\pm$2 dB); peak SPLs: 104 dB (101 dB music); and video shielding is standard. See us at AES demo room 3D01 and booth 1172 at AES 2001.

Dist. by Stanton Magnetics
3000 S.W. 42nd St.
Hollywood, FL 33312
954/689-8833; Fax 954/689-8460
www.krksys.com

L-Acoustics dV-SUB Subwoofer

Suitable for touring or fixed installation, this high-output, compact subwoofer is compatible with all L-Acoustics products and has a dual-vented bandpass, three 15" design. Other features include dedicated presets for digital signal processors, optimized for 40-150Hz bandwidth and dV-DOSC-compatible integrated rigging.

L-Acoustics MTD108a

The MTD108a passive coaxial speaker is a small-format system for distributed systems and floor monitoring, front fill and under-balcony installation. Intended for short and medium throw for touring or fixed installations, it features 85° conical directivity and a passive two-way (8" and 1" compression driver) coaxial transducer assembly offering studio quality from an SR cabinet.

Les Taillis Bourdrie
Route des Molières, RD 40
Gometz-La-Ville, France 91400
+33 6012-7474; Fax +33 6012-5518
www.l-acoustics.com

M&K Pro LFE-5
Bass Management Controller

Designed for monitoring 5.1 surround, the LFE-5 offers a 6-channel volume control with wired remote capability; global and individual channel mute switches; a +10/0dB LFE input gain switch for monitoring/mixing Dolby Digital or DTS; 80Hz highpass filtering; and a stereo/mono surround switch that feeds the right surround channel input to both surrounds for easy SVA/Dolby monitoring. The LFE-5 allows a subwoofer to be integrated into any monitoring system, from 2-channel up through full 5.1 monitoring. Retail: $1,000.

M&K Pro Powered Tripole Surrounds

The MPS-2525P and 1625P are the first tri-amplified, self-powered Tripole Surround speakers (150 watts LF, 100 W to the tweeters and 100 W to the side drivers). Our proprietary Tripole design puts two speakers in one cabinet. With the flick of a remote relay switch, mixers can compare the sound produced by the Tripole mode to the sound of a direct radiating speaker or to the sound of a dipole, evaluating how mixes will sound when played on direct radiating, dipole or an array of surround speakers. The MPS-2525P retails at $2,999; the MPS-1625P is $2,499.

9351 Deering Ave.
Chatsworth, CA, 91311
818/701-7010; Fax 818/701-0234
www.mkprofessional.com

Mackie Designs SA1521

The SA1521 15" two-way, horn-loaded, active SR speaker optimizes performance via electronic EQ and time correction. Features: wide 75x65° dispersion; ultra-low distortion; HF horn; built-in bi-amping (400 W RMS LF/MF, 100 W RMS HF); 130dB peak SPL (1k/1 m); RCF 1.75" titanium compression driver; RCF 15" woofer; active electronic protection on each transducer; power and thermal protection LEDs; 24dB/oct. Linkwitz-Riley electronic 1.3kHz crossover; response: 45-20k Hz (-10 dB). List: $1,199.

Mackie Designs SA1232

The SA1232 15" three-way active SR speaker optimizes performance via electronic EQ and time correction. Features: 90x40° wide dispersion wavefront HF/MF horn system; built-in tri-amping (1,100 W RMS LF, 100 W RMS MF and 100 W RMS HF); 133dB peak SPL (1k/1 m); two RCF 12" woofers; RCF 6" horn-loaded mid; RCF 1.75" titanium compression driver; active electronic protection on each transducer; power and thermal protection LEDs; 24dB/oct. Linkwitz-Riley electronic 500Hz and 3kHz crossovers; response: 40-22k Hz (-10 dB). List: $1,699.

16220 Wood-Red Rd.
Woodinville, WA 98072
425/487-4333; Fax 425/487-4337
www.mackie.com

MacPherson Monolith Version 2

The slim-profile Monolith Version 2 loudspeaker offers flatter response, better phase coherence, improved clarity and increased detail. Changes include: a new MF driver (of which two are in each speaker) featuring a composite cone and integrated phase plug; new crossover network to optimize MF performance; custom damping insert added to the HF compression driver; and redesigned HF crossover to shape and control compression driver response. Upgrade kits are available for the original design Monoliths. List: $4,895.

5500 W. Touhy Avenue
Skokie, IL 60077
847/674-3535; Fax 847/674-3548
www.macpherson-inc.com

McCauley Sound MONARCT MLA5

The MONARCT MLA5 is an axially symmetrical, three-way, full-range line array system, offering excellent performance, a breakthrough rigging system, and a high level of efficiency and ease of operation. Designed to create seamless front-to-back coverage with high-quality sound reproduction in any size performance space, the technology derives its name from its primary attribute: the ability to create a singular, undisrupted arc of vertically continuous, full-bandwidth energy, regardless of the chosen array curvature.
16607 Meridian Avenue East
Puyallup, WA 98375
253/848-0363; Fax 253/841-3050
www.mccauley.com

Meyer UPM-2P

The UPM-2P is a compact, self-powered, bi-amped, three-way system capable of high SPLs with low distortion. Like the UPM-1P, it has dual 5" cone transducers and a 1" titanium dome high-frequency driver. Where the UPM-1P has a broader 100x100° pattern, the UPM-2P exhibits a tighter 45x45° pattern, making it ideal for applications that require greater off-axis attenuation to control feedback, or to limit interference effects from nearby reflective surfaces.

Meyer DF-4

The DF-4 is a dedicated, self-powered downfill system offering balanced coverage immediately in front of larger flown arrays. It includes a 15" LF driver and a 4" diaphragm HF compression driver coupled to a symmetrical 50° horn, for controlled dispersion that complements coverage of the main array. Its angular cabinet design and flexible rigging hardware allow it to attach quickly and easily to compatible Meyer Sound Concert Series loudspeaker systems.

Meyer M3D

This self-powered line array system provides precise directional control and consistent frequency response in mid- to long-throw applications. Meyer's BroadbandQ technology pairs a high-frequency REM (Ribbon Emulation Manifold) system with constant-Q horn and a proprietary system of front- and rear-facing low-frequency drivers to provide even coverage with both horizontal and vertical directional control, from 35-18k Hz. A companion M3D-Sub extends response and adds low-frequency power down to 30 Hz.
2832 San Pablo Avenue
Berkeley, CA 94702
510/486-1166; Fax 510/486-8356
www.meyersound.com

NHT Pro DSP-Optimized Monitor

At AES, NHT Pro will unveil a DSP-optimized version of its acclaimed A20 studio monitors, developed in conjunction with Australia's Clarity EQ. Stop by booth #1424 for more details.
527 Story Road
Benecia, CA 94510
707/748-5940
www.nhtpro.com

Radian MicroWedge Stage Monitors

The RMW-1122 two-way stage monitor utilizes a co-ax 12" woofer/2" compression driver power rated at 500 watts RMS. Housed in a unique, low-profile enclosure for clear audience sightlines (up to 50% smaller than comparable stage monitors), the MicroWedge's wide frequency response (70-20k Hz) and 123dB continuous output is ideal for applications requiring a high-performance monitor system. The MicroWedge is passive or bi-amp-ready, made of 3/4" 13-ply Baltic birch and coated with Radian's water/scratch-resistant black Duradian finish. List is $1,995; a 15" version (RMW-1152) is also available.

Radian 950 PB

The 950 PB 2" exit throat neodymium compression driver has a wide frequency response (500-20k Hz) and 75-watt RMS power handling capacity, making it ideal in applications requiring clear, transparent highs at extreme SPLs. Features include a 4" voice coil and 8- or 16-ohm impedance rating, very low magnetic stray field energy and light weight (10.4 lbs./4.7 kg). List: $915.

Radian 365 6.5" Coaxial

The Radian 365 coaxial transducer uses a 0.5" dome tweeter with a 6.5" woofer, and is designed for demanding foreground/background sound systems. With a sensitivity of 91 dB (1w/1m), power handling of 60 watts RMS, the 365 provides high-level music/paging. Frequency response is 60-20k Hz. The dispersion is 90° conical, provides excellent coverage and intelligibility. This coaxial is used for ceiling enclosures designed for 8" transducers utilizing the supplied baffle plate. The package includes: baffle plate, transformer mount, grille, and 25/70-volt, 30-watt transformer. Preliminary price: $116.
600 N. Batavia Street
Orange, CA 92868
714/288-8900; Fax 714/288-1133
www.radianaudio.com

SLS HT600 5.1 Surround Speaker System

The SLS HT600 5.1 Surround Sound System with the new SLS PRD500 Ribbon Driver Superior Line Source Technology provides high transient response, extended dynamic range and sonic accuracy unequaled by other systems. Identical full-range two-way speakers are used for all channel configurations (5.1 & up), matched with the SLS Powered Subwoofer.

SLS HT8R-I

The SLS HT8R-I full-range loudspeaker features the new SLS PRD500 Ribbon Driver Superior Line Source Technology with a proprietary 8" polycone woofer in a two-way configuration designed for cabinetry or wall pocket installations. Custom installer features include front porting, bi-wire jacks, painted finish and hardware fittings for allen or Omni wall mounts.

SLS HT3R

The SLS HT3R represents the ultimate large-format home theater loudspeaker system with the new SLS PRD1000 Ribbon Driver Superior Line Source Technology. The three-way, full-range speaker requires an active DSP processor for SLS-specified time alignment and operation parameters, and can produce a maximum SPL of 137 dB, while still maintaining the characteristic SLS Ribbon Driver audiophile class reproduction. SLS Pro subwoofers are also available.
3119 South Scenic
Springfield, MO 65807
417/883-4549; Fax 417/883-2726
www.slsloudspeakers.com

Soundbridge Acoustic Labs 3112 APT

The 3112 APT speaker from Soundbridge Acoustic Labs is a multipurpose, dual-angle wedge monitor. With the standard pole mount, it can be used as stand-alone, small P.A., sidefill or wedge monitor. It is also available as the 3115APT for larger systems.
3501 Interstate 35 East
Waxahachie, TX 75165
800/628-9084; Fax 972/935-0539
www.soundbridge.com

Stage Accompany Friend Series

The Friend Series of small speaker systems consists of four models, the F 1, F 5, F 7 and F 9. Applications include full-range speech and music reinforcement, but also as fill or under-balcony systems. All feature double Speakon connectors, steel grille, flush-mounted speakers to prevent baffle-reflection, and are available in every color. SA's Protexture coating and rigid trapezoidal birch cabinet make the Friends suitable for mobile applications. Virtually any mounting option is possible.
8917 Shore Court
Bay Ridge, NY 11209
800/955-7474
www.StageAccompany.com

Studer BRS Processor

Studer's BRS Processor allows the reproduction of surround (and stereo) audio signals—including the control room's acoustics—over a pair of standard headphones. Loaded with the measured data of the desired room by Studer representatives, BRS allows the user to carry the preferred room(s) to any other location, being assured that the mix still will sound exactly the same like it would have done in the original room.
30 Althardstrasse
Regensdorf, Switzerland CH-8105
+41 1870 7511; fax +41 1870 7134
www.studer.ch

Tannoy iQ

Using Tannoy's point-source PowerDual technology, with 60x40° dispersion, the iQ10 is perfect for music or speech installs where intelligibility is paramount. The iQ10 is available as a stand-alone "Skeleton" system with its own flying loop or it can be mounted into an optional cabinet. The Skeletal system is flyable indoors or out due to its weatherproof exterior. The optional iQ18B bass system and TDX2 controller (crossover, EQ, delays, gains, etc.) round out the package.

Tannoy T8

Designed as a primary SR speaker or used as a mini stage monitor, the T8's conical coverage pattern and point-source, high-power 8" Dual Concentric driver offers wide, even coverage in portrait or landscape orientation. Its wedge-shaped cabinet is ideal for low-profile ceiling installs, such as under-balcony. Features: multi-ply hardwood cabinet, integral stand mount, M10 insert flying points, bracket mount M8 inserts and optional TX1 controller.
335 Gage Ave., Suite 1
Kitchener, ON, Canada N2M 5E1
877/426-4844
www.tannoy.com

TOA DACsys 2000

TOA adds the new DP-0206 to its DACsys 2000 Series of digital signal processors. Recognized for excellent sound quality and reliability, TOA continues to improve and refine the application of DSP for sound systems with the new DP-0206's CLEAR Conversion A/D technology (patent pending). The new DP-0206 is ideally suited for permanent sound system installations. List: $3,198.
601 Gateway Blvd., #300
South San Francisco, CA 94080
650/588-2538; Fax 650/588-3349
www.toaelectronics.com

Truth Audio TA-1A Powered Close-fields

Each cabinet has two 5" mineral-filled polycone woofers with 14.6-ounce magnets and a 3" tuned chamber, cloth-dome tweeter offering a 48-20k Hz response. These cabinets have a unique rear bass port producing more low end than most sub systems. Powered by a 530-watt internal amp, yet weighs just 30 pounds. Retail: $999.50/each; and a complementary 12'/330-watt active subwoofer for 5.1 applications is $999. Distributed worldwide by Wave Distribution::
www.wavedistribution.com.

Truth Audio TA-2A Active Mid-fields

Each cabinet consists of two 8" mineral-filled polycone woofers with a 24.6-ounce magnet and a 3" tuned chamber, cloth-dome tweeter offering a frequency response of 25-20k Hz. These cabinets have a unique rear bass port producing more low end than most sub systems. Powered by a 530-watt internal amplifier with more headroom than you can shake a stick at, yet weighing just 60 pounds. U.S. suggested retail: $1,499.50 each; $2,999 per pair.

Truth Audio TA-2P Passive Mid-fields

Each cabinet consists of two 8" mineral-filled polycone woofers with a 24.6-ounce magnet and a 3" tuned chamber cloth-dome tweeter offering a 25-20k Hz response. These cabinets have a unique rear bass port producing more low end than most sub systems. U.S. retail: $749.50 each; $1,499 per pair.
129 Sugar Cove Road
Santa Rosa Beach, FL 32459
850/267-1255; Fax 850/267-1255
www.truthaudio.com

Westlake Audio Lc4.7S

The Lc4.75 is a "mini" monitor offering high-end performance from an extremely compact enclosure. The two-way system employs a 4" woofer and 3/4" soft dome tweeter in a single port enclosure. Frequency response is rated at 65-20k Hz, sensitivity is 85 dB @ 1M/2.83V, and the impedance is 7 ohms nominal, 4 ohms minimum. The speakers come in a high-grade black utility paint finish with removable black grilles and retails for $899/pair.
2696 Lavery Court, Unit #18
Newbury Park, CA 91320
805/499-3686; fax 805/498-2571
www.westlakeaudio.com

Yamaha MSP3 Powered Monitor

The MSP3 is a two-way powered speaker system designed to provide high-quality monitoring for a home studio, computer-based recording systems, personal computers and music keyboards. Features include a 4" woofer housed in a bass reflex design cabinet, a 3/4" dome tweeter and 20 watts of output power. Each cabinet has balanced XLR connectors, 1/4" phone jacks and RCA connectors, plus trim switches and full magnetic shielding.
6600 Orangethorpe Avenue
Buena Park, CA 90620
714/522-9011; Fax 714/522-9522
www.yamaha.com

Yorkville Elite EF500P

The EF500P is the powered equivalent of the popular Elite EF508. Strong plywood cabinet construction, a 2" horn driver, high-power 15" woofer, TX technology-based signal processing and speaker component protection make the EF500P the best-sounding two-way 1x15" Elite box yet. Nine hundred watts of total power split between the two component amplifiers makes it one of the loudest as well. Flying hardware and a flush speaker standmount make it an ideal choice for almost any P.A. application. U.S. list is $1,399.

Yorkville NXS20P

The NX520P is a 500-watt version of the already-popular NX20. Capitalizing on the lightweight molded design cabinet and equipped with a proprietary neodymium woofer, this powerhouse weighs under 35 lbs., even when fully loaded with the unique processing crossover, protection circuits and two amplifiers that drive the bi-amped system. The NX520P can be used as FOH P.A. or as a powered, bi-amped wedge monitor. It comes equipped with flyware and has an incorporated standmount adapter. U.S. list is $829.
550 Granite Court
Pickering, Ontario, Canada L1W-3Y8
905/837-8481; Fax 905/839-5776
www.yorkville.com

Yorkville and the Bluebird – It's All About the Music

Meet Amy Kurland, owner of the legendary Bluebird Café.

Located deep in the heart of Nashville's music scene, the Bluebird Café has become one of the world's most influential live music venues - a springboard for many aspiring songwriters and performers on their way to successful musical careers.

When it was time to upgrade the club's sound system, Amy's decision to use exclusively Yorkville gear was an easy one. After all, for years the Bluebird had been happily using Yorkville's élite speakers and Audiopro amplifiers.

Amy knew from experience that Yorkville PA would deliver on key factors:

- **Excellent sound** - for more than a decade Yorkville has been part of the Bluebird's legendary performances.

- **Versatility** - the Bluebird accommodates numerous styles from acoustic to R&B.

- **Solid reliability** - equipment built to take it night in and night out with a worry-free warranty just in case.

- **Ease of operation** - to focus on the music instead of the equipment.

- **Value** - hey, even a famous club watches the bottom line

The Bluebird showcases the industry's most successful songwriters. Amy Kurland says, "It's all about the music and great sound is a critical part of it. Our Yorkville system helps them bring out their best". How? Visit the Bluebird Café and hear for yourself.

The Bluebird Café's Yorkville system: élite speakers, PowerMax mixer, Audiopro amps, Backline includes Traynor, BassMaster, Acoustic Master & Yorkville Keyboard amps

The Bluebird is the room where the most successful songwriters in the business gather together and perform the now famous 'In the Round' sessions and try new material for audience and peers, to meet, to collaborate with and to inspire each other. For more info on Amy Kurland and the Bluebird Café, go to www.yorkville.com and follow the 'real people' link, or go to www.bluebirdcafe.com

United States
Yorkville Sound Inc.
4625 Witmer Industrial Estate,
Niagara Falls, NY 14305
Phone: 716.297.2920 Fax: 716.297.3689

Canada
Yorkville Sound
550 Granite Court, Pickering, Ontario L1W 3Y8
Phone: 905.837.8481 Fax: 905.839.5776

Yorkville

Real Gear.
Real People.

w w w . y o r k v i l l e . c o m

Microphone Preamplifiers

ART DMPA

The new, enhanced discrete front end of the ART DMPA maintains every nuance, revealing incredible dynamic range. Our unique tube circuitry using two 12AX7A tubes render unsurpassed detail and clarity with the broadest range of mics. AES/EBU, S/PDIF, Toslink and ADAT interfaces allow connection to the broadest range equipment. The Digital MPA provides 24-bit, or it can adapt to 16-bit applications with the push of a button. The A/D is front panel adjustable from 44.1 to 96 kHz or syncs to ADAT or external wordclock (32-100k Hz). MSRP: $799.

ART DIO Preamp System (DPS)

The DPS gives you two channels of award-winning ART Tube Microphone preamplification. The DPS features V3—Variable Valve Voicing. No other tube microphone preamplifier is configured with this powerful functionality. This enables the user to quickly and easily configure the preamp to record drums, vocals, guitars, synths...all with a twist of a knob. The DPS adds ART's acclaimed 24/96 A/D conversion for the warm, clean digital A/D output (ADAT, Toslink & S/PDIF.) MSRP: $329.

ART Tube Preamp System

The TPS gives you two channels of award-winning ART Tube Microphone preamplification. The TPS features V3—Variable Valve Voicing. No other tube microphone preamplifier is configured with this powerful functionality. This enables the user to quickly and easily configure the preamp to record drums, vocals, guitars, synths...all with a twist of a knob.
215 Tremont Street
Rochester, NY 14608
716/436-2720; Fax 716/436-3942
www.artproaudio.com

CLM Dynamics DB8000S

This no-compromise system features eight studio preamps, high-Z inputs for instruments or line-level signals, onboard Mid/Side decoding and composite digital outs for direct-to-ADAT or direct-to-disk recording. High-quality protection circuits w/variable threshold protect recorders from overload distortion. Any or all SoftStop protectors are linkable in pairs to prevent image shifting in stereo or surround recordings. U.S. distribution by Wave Distribution: www.wavedistribution.com. Retail: $1,995.
Unit 14A, Panmure Indust. Estate
Carnoustie Angus, UK DD7 7NP
+44 1241 851400
sales@clmdynamics.com
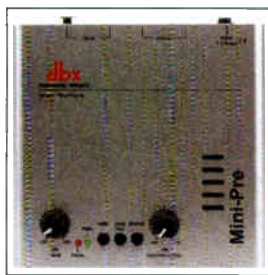
dbx Professional Mini-Pre Tube Mic Preamp

The Mini-Pre is an affordable desktop mic preamp that has taken design elements from the legendary dbx Silver Series product line.
8760 S. Sandy Parkway
Sandy, Utah 84070
801/568-7660; Fax 801/568-7662
www.dbxpro.com

Demeter Amplification HX Series

The Demeter HX Series consists of the HXM-1 stereo microphone preamplifier and the HXC-1 single-channel compressor. These single-rackspace units feature a tube input stage and a solid-stage output stage. An extention of the original H Series concept, they have been improved with new output transistors, extended bass response, and eye-catching design and graphics for the new millenium.
15730 Stagg Street
Van Nuys, CA 91406
818/994-7658; Fax 818/994-0647
www.demeteramps.com

Groove Tubes VIPRE

The VIPRE (Variable Impedance Microphone Preamplifier) is a balanced Class-A design with eight Groove Tubes in a fully differential signal path that dramatically lowers noise and distortion, while expanding bandwidth (7 Hz to over 100 kHz). VIPRE's variable impedance transformer input stage loads mics at 300, 600, 1,200 or 2,400 ohms, multiplying the performance potential of every mic, with additional transformerless balanced bridged, line and instrument inputs. A Variable Rise Time control selects from five amplification styles, for a total of 25 unique tone-shaping combinations from any single mic. MSRP: $3,000.
1543 Truman Street
San Fernando, CA 91340
818/361-4500; Fax 818/365-9884
www.groovetubes.com

Joemeek VCTwinQ CS

The new Joemeek TwinQ is a dual mono, linkable stereo tracking channel using the new "CurrentSense" mic preamp, a self-optimizing device that results in a rich and full sound from all sonic sources, from condenser to ribbon mics, to passive guitars. The TwinQ allows dual mono or stereo compression modes with no possibility of stereo image shift. To finish the sound, the 3-band discrete Meequalizer is added. A 24/96k S/PDIF card is optional. Retail: $999.99.
Dist. by PMI Audio
23773 Madison Street
Torrance, CA 90505
877/563-6335; Fax 310/373-4714
www.joemeek.com

Klotz Digital Microphone Preamp Module

Klotz Digital announces its completely remoteable, high-quality mic preamp module for the VADIS platform. Featuring 24-bit A/D conversion, this new product extends Klotz Digital's range of available modules. The module also features balanced insert points, 48V phantom power, and ultra low-noise (101 dB or better) for mic preamp including A/D conversion.
5875 Peachtree Industrial Boulevard, Bldg. 340
Norcross, GA 30092
678/966-9900; Fax 678/966-9903
www.klotzdigital.com

Microtech Gefell
Measurement Microphone Preamp

The MV 220 P 48 microphone preamplifier with 48V phantom power facilitates the use of electret measurement microphone cartridges (e.g., MK 250) in the studio measurement technology through XLR connectors. Field of application: commentary DAT recorder with phantom powering as storage medium in the measurement technology, measurement of loudspeakers, setup of acoustical devices in concert halls or outside. Sensitivity when used with measurement mic capsule MK 250: 50 mV/Pa. Frequency range: 3.5-20k Hz. SPL: 15 to 139 dBA.
Muehlberg 18
07926 Gefell, Germany
+49 36649 882-0; Fax +49 36649 882-11
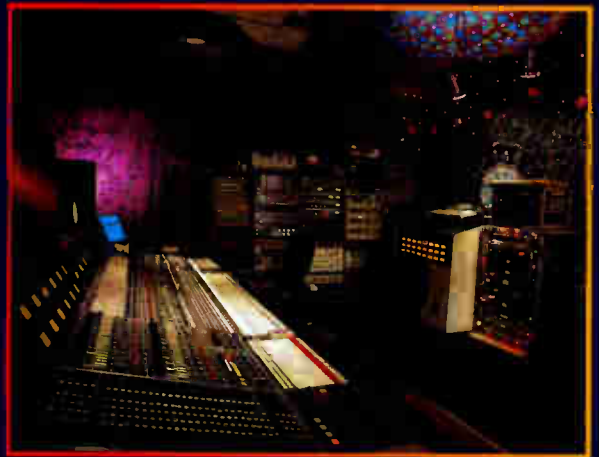www.microtechgefell.de; www.microtechgefell.com

Schoeps VMS SU

The VMS 5U is a portable stereo microphone preamp with phantom power, switchable M/S matrix and headphone monitor output. Construction and performance of the VMS 5U are of the highest quality.
Dist. by Redding Audio
97 S. Main Street, Unit #10
Newtown, CT 06470
203/270-1808; Fax 203/270-2934
www.schoeps.de

True Systems P2 Digital Preamp

Two-channel digital preamp for recording and sound reinforcement. Features: M-S decoder, direct inputs, dual gain range, highpass filters, a stereo phase correlation display for optimizing stereo microphone placement; 24, 20 or 16-bit digital outputs with sample rates to 96k; AES/EBU and ADAT optical outputs; and multichannel digital output routing.
Dist. by Sennheiser
1 Enterprise Drive
Old Lyme, CT 06371
860/434-9190; Fax 860/434-1759
www.sennheiserusa.com

Trident Audio Ltd S20 Mic Pre

Dual mic pre with selectable inputs for two mics or lines. Low-cut sweep and gain from 0 to +66 dB. Self-contained power supply. Sonics from "The Father of British EQ." List: $1,299.
The Old Forge Hook Green
Meopham, Kent, England DA13 0JE
+44 1474-815300; fax +44 1474-815400
www.tridentaudio.co.uk

Universal Audio M610

The M610 is a single-channel version of our acclaimed 2-610 mic pre. It features balanced XLR mic and line inputs and front panel 1/4" hi-Z input. All inputs are selectable from the front panel, including 48-volt phantom power and simplified Hi/Lo EQ controls. The M610 incorporates the same high-quality standards found within all UA Classic products. Drop by our AES booth to hear the M610 in a variety of settings.
2125 Delaware Ave., Suite A
Santa Cruz, CA 95060
831/466-3737; Fax 831/466-3775
www.uaudio.com

Valvotronics OCP

The OCP is a tube mic preamp PCB that can be fitted into existing modular audio consoles, with minimal changes to the console required. Just one channel or an entire console may be modified. List: $375; quantity discounts available.
139 Pine St.
Bridgewater, NJ 08807
908/704-9562; Fax 908/704-9564
www.valvotronics.com

Microphone Products

ACO Pacific

Manufacturer and supplier of Type 1 and Type 1.5 measurement microphones and ACOustic Interface Systems, Simple Intensity sound intensity probes and kits. At AES, ACO will feature 7052SYS, MIK224SYS ACOtron CCLD ICP (pcb)-compatible mic systems, WS1-80T Hydrophobic Windscreens and PS9020 CCLD ACOtron power supply.
2604 Read Ave.
Belmont, CA 94002
650/595-8588; Fax 650/591-2891
www.acopacific.com

ADK Microphones A-S1 SC

ADK's new small-diaphragm condenser mic, the A-51SC is an instrument mic with a smooth sonic character reminiscent of the early European small-capsule designs of the 1960s. A later version, shipping in October, will include a 100Hz roll-off and a 10dB pad, which will make this mic ideal for hi-hat, overheads and even kick drum.

ADK Microphones A-S1 SL

ADK's A-51 SL is a true condenser, fixed cardioid Class-A FET mic that's both transformerless and transparent. The "SL" features a 3-micron capsule for both enhanced clarity and detail, and is intended for critical audiophile users seeking the classic Austrian tonality. The SL is next in line to the newly upgraded 3-micron "TL"—transformerless .multipattern—and is part of ADK's top-of-the-line T Series. See ADK at AES booth #863.
10816 N.W. 69th Ave.
Ridgefield, WA 98642
360/566-9400; Fax 360/566-1282
www.adkmic.com

AEA R44 CNE

AEA's new international edition combines the classic American sound of the original RCA 44 with later improvements by RCA Ltd. in England that reduced the weight and hum sensitivity. The sound of the 44 remains an essential part of American studio life. Cherished for its smoothness, forgiving nature and tonal balance, collector popularity has endangered its availability. Wes Dooley's AEA has reissued the most important ribbon mic of all time.

AEA R-440 Stage Prop Mic

A low-cost RCA 44-style prop mic for situations where the museum-quality of AEA's R44S is not needed. Finish is umber and dull finish silver. The captive mic cable is wired to an internal XLR female insert so live prop use with your own microphone is practical. An internal shockmount is provided for smaller side-address microphones. Full-scale size, 13.25" tall. $495.
1029 N. Allen Ave.
Pasadena, CA 91104
626/798-9128; Fax 626/798-2378
www.wesdooley.com

AKG D-409

The newest addition to the MicroMics family, the dynamic hypercardioid D-409 clip-on mic has a powerful sound and is perfect for wind instruments, drums and percussion, with a smooth, uncolored frequency response. Its neutral sound with a slight proximity effect and presence rise between 3 and 7 kHz will make your instrument cut through the loudest mix on-stage. The D-409L version can be used with AKG wireless bodypacks. Frequency range: 100-17k Hz; sensitivity at 1 kHz: 1 mV/Pa; max. SPL for 1% THD: 124 dB; size: 6.3x1.4" (including clamp).

AKG C430 Overhead Microphone

Part of the expanded MicroMic III family, the cardioid C430 Overhead Microphone is dedicated for overhead miking in a professional environment. The frequency response of the C430 ensures a uniquely crisp sound. This extremely compact mic allows for a low profile on the drum kit without compromising audio quality. Frequency range: 20-20k Hz; sensitivity at 1 kHz: 7 mV/Pa; max. SPL for 1% THD: 126 dB; size: 3.1x0.7".

AKG C900 Emotion Condenser Mic

The newest Emotion Series model, the C900 condenser mic will allow the singer's voice to cut through the loudest mix, on any stage. The C900 features a frequency-independent cardioid polar pattern that has not only been optimized for exceptionally high gain before feedback, but also for use with in-ear monitors. The included PB 1000 Presence Boost Adapter provides a 3 to 4dB peak between 5 kHz and 13 kHz for better intelligibility and a crisp, clear sound. Frequency range: 20-20k Hz; sensitivity at 1 kHz: 6 mV/Pa; max. SPL for 1% THD: 139 d8; size: 7.1x2".
1449 Donelson Pike
Nashville, TN 37217
615/360-0291; Fax 615/360-0275
www.akgusa.com

Astor MKL-100

The MKL-100 is a condenser tube mic with a 33mm, large-diaphragm cardioid capsule. The amplifier uses a transformer output and a miniature triode 6S31Br (with high resistance to vibration) that provides a low self-noise of the microphone and absence of microphonic effects. Warm valve sound, good for recording vocals, acoustic instruments and piano. Supplied with a 110/220-volt PSU and a mic holder. Retail: $850 retail.

Astor MKL-101

Astor's MKL-101 "Bottle" is a high-quality, tube condenser mic with a retro style, made of vintage and modern components combined: a large black valve Telefunken EF12, a 1950s Siemens WSW output transformer, and a massive 1960s cardioid capsule with a large 1.3" diaphragm. Features a warm, big sound coloring typical of tube mics and a low microphone self-noise spec. The 110V/220V PSU is also made in a retro-style design. Price: $1,150.
23 Leningradsky pr-t, Room 3, 3rd Floor,
Moscow, Russia, 125040
(7-095) 250-4200; Fax (7-095) 250-4200
aeg210268@mtu-net.ru

Audio-Technica 30 Series

Designed for home and project studios, Audio-Technica's 30 Series offers the advantages of high-quality studio mics at an affordable price. The series feature a flat, extended frequency response, high-SPL handling, exceptional dynamic range and low self-noise. Three models comprise the new 30 Series: the AT3035 large-diaphragm side-address cardioid condenser mic, and the AT3031 cardioid and AT3032 omnidirectional small-diaphragm condenser mics. AT3035: $349; AT3031: $259; AT3032: $259.

Audio-Technica AT4033/SE

The AT4033/SE is a special-edition mic celebrating the 10th anniversary of a classic, the AT4033. Recommended for professional recording and critical applications in broadcast and live sound, this cardioid studio mic has a gold-plated, aged diaphragm capacitor element and symmetrical, transformerless electronics. Audio-Technica has kept everything you love about the AT4033—sleek body, precision internal components and a clean, natural sound—and added a new shockmount, dust cover and a custom wooden case. $529.
1221 Commerce Dr.
Stow, OH 44224
330/686-2600; Fax 330/686-0719
www.audio-technica.com

Audix SCX25 Condenser Mic

The SCX25, a stunning brass condenser mic with 25mm gold-sputtered diaphragm, features a revolutionary new suspension-mounting system that effectively isolates the capsule from the housing and the electronics. With an extremely low-noise preamp design, the SCX25 provides a nice wide cardioid pattern with an open-air sound quality found in classic mics that are much larger and many times more expensive. MSRP: $799.
9400 SW Barber Street
Wilsonville, OR 97070
503/682-6933; Fax 503/682-7114
www.audixusa.com

B.L.U.E. Microphones Baby Bottle

B.L.U.E. Microphones, known for award-winning craftsmanship, introduces the Baby Bottle, a cardioid condenser mic featuring a hand-crafted, B.L.U.E. large-diaphragm capsule. All electronics are Class-A discrete, transformerless output with no integrated circuits (aka "ICs") in the signal path. Ideal for recording vocals, percussion and any acoustic instruments. Packaged with a microphone clip, cherry wood box and velvet bag. The Baby Bottle is B.L.U.E.'s most affordable microphone to date.
766 Lakefield Rd., Suite D
Westlake Village, CA 91361
805/370-1599; Fax 805/370-1549
www.bluemic.com

CAD M9 Cardioid Tube Mic

The M9 is a cardioid tube, true condenser mic that features servo-valve technology. The M9 is a natural bridge between the valve technology developed for the VX2 mic and the servo op amp technology developed for the M Series mics. The M9 has extremely wide frequency response and a wide dynamic range with a slightly rising top end. With a 75Hz high-pass filter and a 20dB pad, the M9 comes complete with power supply, 30-foot power supply cable, swivel mount and shockmount, in an aluminum case.
341 Harbor Street
Conneaut, OH 44030
440/593-1111; Fax 440/593-5395
www.cadmics.com

Countryman Isomax E6 EarSet Microphone

Perfect onstage or in church, Isomax EarSets are the answer when you need the highest possible sound quality without the bulk and appearance of conventional headsets. Light and springy, Isomax EarSets clip around your ear, not around your head. They never interfere with hairstyles, headphones or hats. Isomax EarSets are available in four colors: light beige, tan, cocoa and black. List: $469 without connector.
417 Stanford Avenue
Redwood City, CA 94063
650/364-9988; Fax 650/364-2794
www.countryman.com

DPA Type 4066 Adjustable Miniature Microphone Headband

DPA Microphones debuts the Type 4066, a new headband mic for live performance and broadcast applications where it is desirable to have professional sound and a low microphone profile. The headband construction is unique in design, because it gives the user the choice between left and/or right mounting and color change. The noise floor is 26 dB(A) and can handle sound pressure levels up to 144 dB SPL before clipping occurs.

DPA 3532-S/T Stereo Mic Kits

DPA's 3532-S and 3532-T stereo microphone kits are based on the popular 4041 mic, with either solid-state (S) or tube (T) preamps. Designed for vocal, strings and wind instrument recording, the large (1") diameter mics offer a transparent audio, low 7dBA (max) noise floor and 144dB peak SPL handling capacity. Each pair includes a briefcase, omni capsules, 2-channel HMA4000 high-voltage mic amp, 30' cables, windscreens and one stereo boom with holders.
Dist. by TGI North America
335 Gage Ave., Suite 1
Kitchener, ON Canada N2M 5E1
519/745-1158
dpmicrophones.com

Electro-Voice Cobalt Co9 Vocal Mic

Regardless of the live performance application, sound technicians and engineers will feel confident with the Co9. A slight bass roll-off and accentuated midrange make this a superb, world-class sound transducer. Key product features include a dynamic neodymium element, cardioid polar pattern for superior feedback rejection, and acoustic isolation with a frequency response of 50-18k Hz. Other features include -50.0dBV sensitivity, XLR connector and die-cast zinc housing. MSRP: $169.
12000 Portland Ave. South
Burnsville, MN 55337
952/884-4051; Fax 952/884-0043
www.electro-voice.com

Microtech Gefell M 960

The M 960 studio condenser microphone with omnidirectional pattern combines well-proven large-diaphragm capsule technology with the latest in semiconductor circuit topology. It is specifically designed to meet the needs of professional users who demand the highest performance. Applications include recordings outside the diffuse field distance during choral or orchestral performances, e.g., in concert halls, churches and theaters. This microphone has a clean, distortion-free sound over an extremely wide dynamic range.
Muehlberg 18
07926 Gefell, Germany
+49 36649 882-0; Fax +49 36649 882-11
www.microtechgefell.de; www.microtechgefell.com

MXL Microphones AV-1000

The AV-1000 audio/video control center is an integrated monitoring system for use in teleconferencing, courtrooms and presentations where large video monitors are not practical. Has a 5" LCD color screen and built-in 14" gooseneck mic. Has two programmable smart keys and programmable mic controls. Price: $995.

MXL Microphones MXL-V69

MXL-V69 valve microphone, selected 5718 vacuum-tube condenser microphone, large-diaphragm, cardioid pick-up pattern, includes power supply, cable and shockmount. Retail: $399.
1910 E Maple Ave.
El Segundo, CA 90245
310/333-0606; Fax 310/333-0688
www.mxlmics.com

Neumann Solution-D

The Neumann Solution-D digital microphone system represents the first platform based around the AES 42-2001 digital microphone interface. Two-way communication between console or computer and microphone is now possible. The D 01 microphone in this system utilizes a new, proprietary A/D conversion process, based on a patented method developed exclusively by Neumann. The system offers true dynamic range of 130 dB and self-noise of 7 dB-A.
1 Enterprise Drive
Old Lyme, CT 06371
860/434-5220; Fax 860/434-3148
www.neumannusa.com

Pearl MSH20 MS-Stereo Shotgun

The MSH20 is specifically made for recording of TV, video and film production in MS-Stereo. A short, shotgun and figure-8 condenser capsule system delivers the middle and side signals, which are combined with an internal matrix to produce left and right output. This mic requires phantom power, and there is no need for additional units. The MSH20 was designed to perform superbly in adverse environments such as moisture, dust, radical changes of temperature, etc. Price: $1,675, with aluminum case.
Dist. by Independent Audio
43 Deerfield Road
Portland, ME 04101
207/773-2424; Fax 207/773-2422
www.independentaudio.com

RØDE Microphones NT1000

Large (1") capsule condenser mic featuring ultra low noise transformerless FET circuitry and gold-plated Mylar diaphragm. Cardioid polar pattern, full frequency response and an equivalent noise level of <6 dB make the NT1000 a superior performer on vocal and instrumental applications. List: $599.

RØDE Microphones NTK

Vacuum-tube condenser mic featuring a 1" capsule with gold-plated Mylar diaphragm and Class-A valve circuitry. Hand-graded twin triode tubes ensure the lowest equivalent noise level (<12 dB), and the cardioid polar pattern, full-frequency response and >158dB SPL make the NTK a clear choice for both vocal and instrumental performance. List: $999.
5 Averill Street
Rhodes, NSW 2138, Australia
+61 2-8765-9333; Fax (+61) 2-8765-9444
www.rodemicrophones.com

Royer Active Ribbon Mics

Royer Labs debuts the world's first active, phantom-powered ribbon mics, which feature all-discrete, ultra low-noise FET head amps, making them as sensitive as condenser mics, eliminating the need for ultra high-gain preamps. The electronics impose the optimal load on the ribbon element, so the mics perform consistently, regardless of the input characteristics of the following preamp. Additionally, the ribbon element cannot be damaged by phantom power or by miswired cables, and can be used on extremely long cable runs with minimal signal loss. The new models are based on Royer's current R-121 and SF Series ribbon mics.
821 N. Ford Street
Burbank, CA 91505
818/760-8472
www.royerlabs.com

Sanken Unidirectional Boundary Mic

Designed for field and studio recording, the CUB-01's unique design overcomes the limitations of previous boundary microphones, producing an extremely rich and full-bodied sound. Just over an inch in diameter, the CUB-01 is easy to conceal from the camera. Its unique square-shaped cardioid capsule clearly captures narration and dialog while minimizing unnecessary background noise. See us at Booth #257.
Dist. by Audio Intervisual Design
1155 N. La Brea Ave.
West Hollywood, CA 90038
323/845-1155; Fax 323/845-1170
www.aidinc.com

Schoeps AF 1

The AF 1 is a convenient elastic suspension that accepts any mic or accessory (such as a gooseneck) with a 20mm diameter. When using the Schoeps CCM and Colette Series microphones and accessories, the AF 1 offers countless possibilities for podium and table top installations.
Dist. by Redding Audio
97 S. Main Street, Unit #10
Newtown, CT 06470
203/270-1808; Fax 203/270-2934
www.schoeps.de

Shure KSM27 Studio Mic

A cardioid, large-diaphragm, side-address studio condenser mic with external locking shockmount. This externally biased design with low self-noise and a wide dynamic range provides an extended frequency response for all-purpose vocal and instrument recording applications. Features: Class-A, transformerless preamp circuitry for improved linearity across the full frequency range; 1", ultra-thin diaphragm for superb transient response; extended frequency response (20-20k Hz) for accurate sound reproduction of voice and instruments; and high-input SPL capability. Price: $575.
222 Hartrey Avenue
Evanston, IL 60202
847/866-2200; Fax 847/866-2279
www.shure.com

Stedman Proscreen PS101

The Stedman Proscreen PS101 pop filter has been upgraded! To accommodate a wider range of microphone stands, booms and hardware, the clamping knob shaft for the PS101 pop filter with gooseneck has been lengthened. The Proscreen dimensions and all other features remain the same. See the detailed review of the Stedman Proscreen by editor George Petersen in the August 2001 issue of *Mix* magazine.
4167 Stedman Drive
Richland, MI 49083
888/629-5960; Fax 615/629-4149
www.stedmancorp.com

Studio Projects C3

The new Studio Projects C3 is a dual, large, 1" gold-sputtered diaphragm condenser microphone with three selectable patterns. It uses a 6mm capsule to obtain a full, rich, low-end response, yet offers very high-SPL levels without breaking up. Three patterns: omni, cardioid and figure-8 are standard. In addition, a highpass filter and 10dB pad are included, as is a road case and shockmount. Retail: $599.99.
Dist. by PMI Audio
23773 Madison Street
Torrance, CA 90505
877/563-6335; Fax 310/373-4714
www.studioprojectsusa.com

Mixing Consoles

AMS Neve DFC Upgrades

New features for the DFC (Digital Film Console) include Mix Conform: The Encore automation package allows picture changes to be entered manually or imported from an EDL. Channel Parameters Library: Parameters from a channel strip may be stored in a clipboard and subsequently recalled to any channel strip or range of channel strips. Machine Manager: A new drag-and-drop GUI for patching machines to channel inputs or multitrack recorders. User-Selectable Meter Display: The alphanumeric section of the meter bridge may be selected to display channel input patching or process page information.

AMS Neve Modular I/O System

AMS Neve's modular I/O system for its broadcast, film, post-production and music consoles is a fanless, 3U rack that converts a variety of analog and digital formats to the console interconnect standard MADI (fiber or co-ax). The rack can be controlled remotely from the console or from the front panel, and is fitted with up to six hot-pluggable I/O modules: 4xMLA (four mic/line and ADC channels); 16xADC (16 line-level inputs); 16xDAC (16 line-level outputs); and 8xAES (eight dual AES inputs with switchable SRC and eight dual AES outputs). 100 Sixth Ave., 5th Floor
New York, NY 10013
212/965-1400; Fax 212/965-3739
www.ams-neve.com

Argosy Console 90 V Series

The Argosy 90 V Series is an amazingly versatile console system that combines function, comfort and style. Advantages such as faster delivery, easier installation and more flexibility to expand make the 90 V Series system a logical choice. Mix and match different combinations of rack modules and computer monitor inserts to integrate a variety of controllers and other computer equipment, creating the optimal configuration for your application.
5687 Precision Court
Osage Beach, MO 65065
573/348-3333; Fax 573/348-2769
www.argosyconsole.com
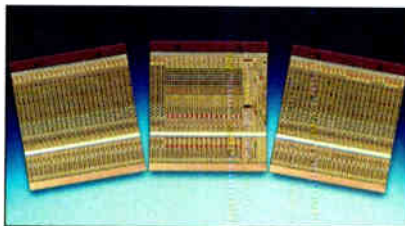
Cadac Electronics R-Type Touring Console

Cadac's R-Type Lightweight Touring Console is contained within a cost-efficient and easily re-configurable package, providing comprehensive facilities for both FOH and monitor mixing. It gives rental companies a highly flexible, re-configurable console using Cadac's unique "plug-anywhere" modules for fast installation. Designed for a 2-man lift, the R-Type console features a new resilient, lightweight monocoque design and a slimmer module width—combining touring ruggedness with the legendary Cadac audio quality and reliability, at an extremely competitive price.
One New Street
Luton, Bedfordshire, England LU1 5DX
+44 1582 404202; Fax +44 1582 412799
www.cadac-sound.com

Calrec V. 1.9 Software for the Alpha 100

Version 1.9 software for the Alpha 100 digital mixing console provides 5.1 surround sound on all four main outputs, comprehensive monitoring and metering facilities for all elements in the surround mix, user-definable channel isolate facilities on snapshot memory recalls, multiple outputs, VCA grouping and enhanced dynamics. With fully redundant spares and comprehensive hot swapping, the Alpha provides 48 multitrack/matrix outputs, 20 auxiliary buses, eight audio groups and four main outputs.
Nutclough Mill
Hebden Bridge, West Yorkshire, UK HX7 8EZ
+44 1422 842159; Fax +44 1422 845244
www.calrec.com

Crest XRM

A unique high-density rackmount monitor mixer (10-rackspace) capable of generating 12 mono outputs or up to six stereo output mixes. Input configuration is 12 mono mic/line input channels and four stereo (switchable to mono) mic/line input channels. All mic inputs include a built-in passive splitter system with ground lift switches. XRM is intended for use where space is at a premium, or when artists wish to carry their own compact "In-The-Ear"-type mixing system.

Crest XR-24

XR-24 features eight mono mic/line input channels and eight stereo input mic/line channels. All other features remain the same as the XR-20 including inserts on all mono input channels, six aux outputs, four subgroups, and left, right and mono outputs. XR-20 and XR-24 also feature 4-band input EQ with dual mid-sweep bands and four mono and one stereo aux sends, with each pair switchable between pre and post 100mm fader signal sourcing.

Crest X-Matrix Power Supply

When used with the X-Matrix modules, this PS allows near-unlimited manual matrixes to be added to any console, or to add a larger quantity of matrix modules to the X-VCA companion consoles. In addition to providing power supply functions, these units also have talkback and headphone facilities for use when X-Matrix is being used as a stand-alone device.
100 Eisenhower Dr.
Paramus, NJ 07652
201/909-8700; Fax 201/909-8744
www.crestaudio.com

Dan Dugan Model D-2
Automatic Mixing Controller

The Model D-2 Automatic Mixing Controller is the first evolution of the famous Dugan live mic processing into the digital domain. The 8-channel processor patches into a console's insert points. A separate ergonomic control panel connects with a single cable. Dan Dugan's patented algorithms eliminate missed cues on live mics without gating. The system maintains a natural ambience, doesn't chop off the beginnings of words and doesn't cut off talkers who go off-mic.
290 Napoleon St., Studio E
San Francisco, CA 94124
415/821-9776; Fax 415/826-7699
www.dandugan.com

RØDE MICS SET THE STANDARD

THE EXCITING NEW NT1000 AND NTK FROM RØDE

Since RODE's first production efforts with the NT2 (in the early 1990's), the Sydney based company has spread its wings and gained immense market support for its ever increasing range of studio condenser microphones. The NT2 is recognised as an industry standard, and the single pattern (cardioid) NT1 is probably the biggest selling large diaphragm studio microphone in the world today.

The 'flagship' Classic II continues to gain favour in high-end situations where only the best will do, and the recently introduced NT3 with its battery OR Phantom powering has taken the smaller diaphragm condenser market by storm, and rightly so; any comparison with similar products will immediately demonstrate why.

Now, in 2001, standards have again been re-set. The exciting NEW NT1000 and NTK have set microphone manufacturers back on their heels, surely wondering what they can possibly do next!

The attributes of the NT1000 (FET) and the NTK (Tube) can probably be summed up most succinctly in one of many reviews; (the following by Bruce Richardson the Senior Editor of ProRec.com) but it must be said, that there are many more reviewers who are equally and justifiably impressed.

"...these microphones are a great example of what's right and good in our industry. They are the polar opposite of the slew of what I'd call "exploitation mics". Everywhere you look, there are great-looking, mediocre sounding large diaphragm condensers. It's like a disease. Everybody wants to sell you a look, exploiting the profile of classy mics, but substituting dirt-cheap parts because they don't think you're smart enough to notice.

Not so with these. Not even close. Every aspect of the NT1000 and NTK is pure class. Instead of just trying to exploit the classics, RODE has built a better mousetrap, designing a structure so elegant and so smart that the money saved can be reallocated towards stuffing these great cases with some of the best sounding electronics you've ever heard.

This is what it's all about. This is what we wish every manufacturer would do - be artists and scientists first, and trust that musicians will recognize quality when they see it. Kudos to RODE for bringing back a little class to a marketplace that's gotten downright depressing.

I don't see how anyone could miss it. This is everything that's right with microphone design, and then some. I cannot say enough good things about these mics, and I'm damn hard to please. They are top-notch, they have a voice all their own, and quality far above the asking price. They break ground. Don't buy a new large diaphragm condenser without listening to the NT1000 and NTK. But be prepared. Once you've heard them you'll have a hard time letting go of either one".

Exactly right Bruce!

For more information contact:
Røde Microphones.
USA Ph: 310 328 7456
Intl Ph: 61 2 8765 9333
info@rodemicrophones.com
www.rodemicrophones.com

NT1000
Specifications:

Capsule:	Externally polarised 1" pressure-gradient condenser
Active Electronics:	Unity-gain closed-loop impedance converter; JFET input with bipolar buffering
Polar Pattern:	Cardioid
Frequency Response:	20Hz - 20kHz (+/-6dB see graph)
Output Impedance:	100 ohms (50 ohms per leg)
Sensitivity:	-36dB re 1V/Pa (16mV @ 94dB SPL) +/-1dB
Equivalent Noise:	6dB SPL (A-weighted per IEC268-15) +/-1dB
Maximum Output:	+13dBu (@ 1kHz, 1% THD into 1k(load)
Dynamic Range:	> 134dB (A-weighted, per IEC268-15)
Maximum SPL:	> 140dB SPL (@ 1kHz, 1% THD into 1k(load)
Signal/Noise Ratio:	> 88dB (A-weighted, per IEC268-15)
Power Requirements:	6mA @ P48 (35V - 53V)
Packed Weight:	882 gm (Mic only 682 gm)

NTK
Specifications:

Capsule:	Externally polarised 1" pressure-gradient condenser
Active Electronics:	Unity-gain closed-loop impedance converter; vacuum-tube input with bipolar buffering
Pickup Pattern:	Cardioid
Frequency Response:	20Hz - 20kHz (+/-6dB)
Output Impedance:	200 ohms (100 ohms per leg)
Sensitivity:	-38dB re 1V/Pa (12mV @ 94dB SPL) +/-1dB
Equivalent Noise:	12dB SPL (A-weighted per IEC268-15) +/-2dB
Maximum Output:	> +29dBu (@ 1kHz, 5% THD into 1k(load)
Dynamic Range:	> 147dB (A-weighted, per IEC268-15)
Maximum SPL:	> 158dB SPL (@ 1kHz, 5% THD into 1k(load)
Signal/Noise Ratio:	> 82dB (A-weighted, per IEC268-15)
External power supply:	100-120V / 200-240V AC (user selectable) 50Hz / 60Hz, 25VA max
Packed Weight:	4.53 kg (Mic only 760 gm)

Advertisement

Denon Electronics DN-X400

This digital analog mixer features: eight channels with two digital outputs; pre-fader level control (PFL); digital track marker for creating custom music tracks in conjunction with a CD/MD/DAT recorder; level or crossfader start; 3-band EQ for input channels and mic; two phono inputs; send return effect loops; and a four-rackspace chassis.
19 Chapin Road, Building C
Pine Brook, NJ 07058
973/396-0810; Fax 973/396-7459
www.denon.com

Digidesign Edit Pack

Edit Pack, a new option for ProControl, includes two touch-sensitive, motorized surround panning joysticks, a comprehensive MachineControl section with eight track-arming switches and complete edit mode control, 20 dedicated edit function switches and eight high-resolution meters. Edit Pack also features a custom computer keyboard and trackball—allowing users to edit, mix and navigate on the computer completely from within ProControl. $7,495.

Digidesign Control|24

Designed by Focusrite specifically for Pro Tools, Control|24 features 24 touch-sensitive motorized faders and offers hands-on access to the extensive recording, routing, mixing and editing parameters of Pro Tools. Control|24 also features a comprehensive monitoring section, 16 built-in Focusrite Class-A mic preamps and much more. Control|24 is a great complement to Pro Tools and is perfect for project studios. $7,995.
3401-A Hillview Avenue
Palo Alto, CA 94304
650/842-7900
www.digidesign.com

Electar XM-1204/XPM-1204 Mixers

Electar, a division of Gibson, debuts its XM and XPM Series mixers. The new Electar XM-1204 is a 12-channel unit with low-noise preamps on channels 1-4 and eight channels of stereo line inputs. Features include two aux sends, two stereo aux returns, 3-band EQs, solos on each channel and comprehensive mix/sub/aux routing. The XPM-1204 is similar, but includes 200 watts (100 Wx2 @ 4 ohms) of onboard power and built-in DSP with 256 multi-effects. Both are sold Internet direct: the XM-1204 is $229.99; the XPM-1204 is $399.99.
PMB #249
1840 41st Ave. #102
Capitola, CA 95010
www.musicyo.com

Euphonix System 5 Upgrade

Upgrades for the System 5 digital console include the new Model 403 Modular Post-Production Panel equipped with PEC/Direct monitor controls; dual motorized joysticks plus space for user customization; and the GPI/O interface, a new graphical user interface (GUI) that allows up to 160 switch closures to be created from objects on the control surface, as well as allowing up to 160 external inputs to implement console functions.
Palo Alto, CA 94306
650/855-0400; Fax 650/855-0410
www.euphonix.com

Harrison TVD

TVD is Harrison's affordable, large-scale digital on-air broadcast console. Standard systems include all analog and digital conversion, large-scale router, remote controlled mic pre's, and are both stereo and 5.1 surround ready. Standard sizes from 64 to 96 channels. Full touch-screen remote control from three locations. General: 40-bit internal architecture, 24-bit conversion, touch-sensitive moving faders, snapshot reset, 24 mix-minus, producer's bus, full EQ, dynamics and filters, extensive GPI/O, eight groups, and stereo and 5.1 panning.
1024 Firestone Parkway
Nashville, TN 37211
615/641-7200; Fax 615/641-7224
www.harrisonconsoles.com

Klotz Digital VADIS D.C. II

Klotz Digital America offers the VADIS D.C. II Production console, designed for production applications in television, broadcast and post-production studios. This modular VADIS surface connects to the VADIS 880 platform, an audio/media platform serving the audio recording, multimedia, sound reinforcement and broadcast industries. The VADIS 880 provides an efficient approach to audio routing, fiber-optic distribution, format conversion, including a range of DSP functions, and area-wide logic control.
5875 Peachtree Industrial Boulevard, Building 340
Norcross, GA 30092
678/966-9900; Fax 678/966-9903
www.klotzdigital.com

Logitek Numix Digital Console

Logitek's new Numix control surface provides increased visibility and functionality for on-air broadcast and stereo mixing applications. Numix is an advanced, modular control surface for Logitek's Audio Engine, a digital mixer/router. The new Numix Selector wedge provides a large LCD with full color graphics; programmable soft keys for executing custom command strings; improved intercom connectivity; and more. Price is dependent on application and number of faders desired.
5622 Edgemoor
Houston, TX 77081
713/664-4470; Fax 713/664-4479
www.logitekaudio.com

Midas Legend

Legend represents a new generation of semi-modular, multi-application, live production mixing consoles that combine all the hallmarks of traditional Midas sound quality thanks to the inclusion of XL-4 preamps and XL-3 EQ, with some truly unique features. Each input channel incorporates two sets of EQ and two faders for level control for complete no-compromise control over both FOH and monitor mixes. Retailing at around the $25,000 mark, this unique solution is not to be missed.
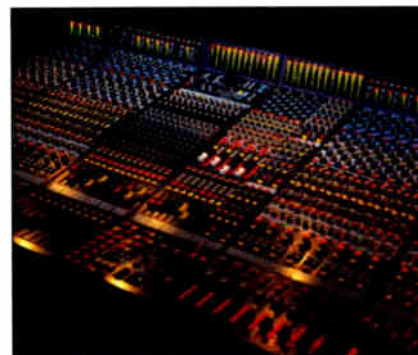
Midas Legend 3000

The world's first truly tri-purpose console for live music production, Legend 3000 can genuinely handle FOH or monitors—and both at once thanks to two sets of EQ and two faders for level control on each channel. The inclusion of XL-4 preamps and XL-3 EQ guarantees the traditional Midas sound, and its semi-modular design brings a price not traditionally associated with a brand of this quality, priced between Venice and the Heritage 1000.
Walter Nash Road
Kidderminster, Worcestershire, UK DY11 7HJ
+44 1562 741515; Fax +44 1562 745371
www.midasconsoles.com
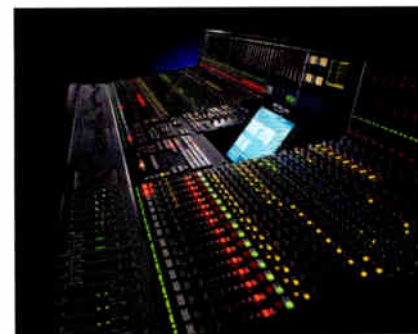
Solid State Logic MT Production Digital Console

The MTP Digital Console features SSL's new HS Control Processor, offering a powerful high-speed operating environment that is fast, flexible and intuitive, comprehensive snapshot reset, flexible subgroup busing, full multiformat surround sound capabilities, and is available in a compact, lightweight package for multitrack television, remote truck and music/entertainment applications. The MTP also features SSL's popular in-line, knob-per-function ergonomic design in a space-saving and lightweight package ideal for smaller environments such as remote trucks.

Solid State Logic Avant Plus Digital Post & Film Console

The HS Control Processor on the Avant Plus features Premix Masters, where multiple six or eight premix channels can be stacked beneath individual premix master faders; Super-Grouper allows multiple sets of rotary, switched and fader-driven controls to be freely grouped across the console; and PanPoint surround panning utilizes a pen and tablet interface. The console can be configured to support multiple operators, supporting feature film productions with specialized music, dialog and effects mixer sections.
Begbroke, Oxford, England OX5 1RU
+44 1865 842300; Fax +44 1865 842118
www.solid-state-logic.com

Sony DMX-R100 Mixer Upgrades

Sony introduces the Version 2.0 upgrade for its DMX-R100 Digital Mixer. The DMX-R100 also has a new MADI interface card option that greatly expands the number of digital inputs and allows mixer cascade operation.

Sony OXF-R3 Oxford Upgrades

Sony introduces the Oxford Version 3.0 software upgrade, which includes extensive improvements in its surround capabilities such as an eight-wide program bus and multi-width Super Send Groups.
1 Sony Drive
Park Ridge, NJ, 07656
201/930-1000; Fax 201/358-4907
www.sony.com/proaudio

Sound Devices 442 Field Mixer

Portable field mixer designed for professionals in film, TV news, documentary, radio, effects recording and music production. Each of its four inputs include: transformer-balanced mic/line/tape level selection, phantom or T powering, input trim, variable highpass filter, pan, input limiter, solo monitoring and direct output. Outputs are transformer-balanced on XLR, Hirose and other connectors. Metering via sunlight viewable LEDs. External DC or 4x AA or powering.
300 Wengel Drive
Reedsburg, WI 53959
608/524-0625; Fax 608/524-0655
www.sounddevices.com

Soundcraft Spirit M Series

Offering a choice of four (M4), eight (M8) or 12 (M12) mono inputs, Soundcraft's Spirit M Series mixers are each equipped with four stereo inputs, stereo returns and aux sends, as well as 100mm faders and an S/PDIF stereo digital output. The mono input mic preamp design comes straight from the manufacturer's award-winning Ghost console, while the 3-band EQ with a sweepable mid truly embodies the classic "British" sound. U.S. retail: $699, $849 and $999.
1449 Donelson Pike
Nashville, TN 37217
615/360-0471; Fax 615/360-0273
www.soundcraft.com

Soundtracs D4 Digital Console

This latest product provides the ideal combination of Soundtracs' unique and much-acclaimed touch screen worksurface topology, interfaced with an incredibly powerful digital engine. The result simultaneously provides for up to 320 full audio channels and 124 output buses, all controlled by one of the fastest and most intuitive automation systems currently available. Housed in a cosmetically and ergonomically enhanced surface, the D4 is available in various frame sizes from the smallest 16 fader up to 96-fader console with optional rack expanders. List price: from $130,000.
Dist. by Fairlight USA
844 N. Seward Street
Hollywood, CA 90038
323/465-0070; Fax 323/465-0080
www.soundtracs.com

STK VX1602N

This 16-input desktop mixer offers eight XLR mic/line channels and four stereo channels. Mic channels feature a warm, natural-sounding 4-band EQ plus 75Hz low-cut filter. Stereo channels have a 3-band EQ. All channels have 60mm faders, three aux sends and two stereo aux returns. Aux returns routable to main and monitor. Control room/headphone matrix with AFL and PFL monitoring. Separate "B-Mix" plus XLR and 1/4" main outputs, plus summed mono output. Retail: $619.95.

STK VX1202N

The VX1202N has eight channels, four mono mic/line inputs, one stereo mic/line, three stereo line for 13 total inputs. Features: 4-band EQ, three aux sends, two stereo aux returns, separate stereo "B-Mix." Sixty-mm log faders on all channels and master outputs and tape in/out. Outputs: L/R main XLR and 1/4", Control Room, B-Mix, Summed Mono. Optional rackmount kit available. Specifications: frequency response 20-60k Hz +0/-1 dB; THD 0.005%; S/N Ratio >90 dB; crosstalk -85 dB. Retail $459.95.
Dist. by Redwood Music
Box 901705
Sandy, UT 84090
801/947-5750; Fax 801/947-5752
www.redwoodmusic.com

Studer D950 M2 AutoTouch Plus

Studer's new AutoTouch Plus automation is part of the new Version 3.0 software of the Studer D950 M2 Digital Mixing System. With greatly enhanced functionality, AutoTouch Plus permits the most complex automation tasks to be carried out within a clear and logical workflow, while remaining straight-forward and simple to operate.
Althardstrasse 30
Regensdorf/Zurich, CH-8105
+41 1870-7511; Fax +41 1870-7134
www.studer.ch

TL Audio M-3 TubeTracker

The M-3 is an 8x2 tube mixer that features discrete tube mic preamps, 4-band EQ, two aux sends and returns, and a flexible master section with tube stages in the mix bus plus an optional stereo digital output. Internal buses are balanced. Sovtek 12AX7WA tubes run from a 200VDC stabilized supply. Multiple M-3s can be linked providing 16 or more channels. Distributed in the USA by HHB: 310/319-1111. www.hhb usa.com. Iceni Court, Icknield Way
Letchworth, Herts, UK SG6 1TN
+44 1462 680888; Fax +44 1462 680999
www.tlaudio co.uk

Music Products

615 Music Library

The 615 Production Music Library offers top-quality production music and outstanding service. Latest releases include Superfonik, (punchy techno-pop rhythms laced with edgy guitars and spacey synth textures); Escape Velocity, Vol. 2 (the much-anticipated second installment of dramatic pieces utilizing powerful, contemporary sounds); and L.A. Pop (young, hip pop sounds with a contemporary L.A. flavor).
1030 16th Avenue South
Nashville, TN 37212
888/615-8729; Fax 615/242-2455
www.615music.com

Aguilar Amplification DB 750

Ideal for studio applications, the DB 750 hybrid bass amp features an all-tube preamp and mono solid-state power section. Specs include: 750 watts @ 4 ohms and 975 watts @ 2 ohms. Features include: four preamp tubes, tube-driven EQ section with Deep and Bright switches, Series/Parallel effects loop, Jensen transformer balanced output, internal automatic 2/4/8-ohm impedance selector and tuner out. Retail: $1,995.
599 Broadway 7th Floor
New York, NY 10012
800/304-1875; Fax 212/431-8201
www.aguilaramp.com

Behringer V-AMP

Behringer's new desktop-style virtual guitar amplifier, V-AMP (MSRP $269), provides a full range of classic guitar tones and cabinet simulations. Highlights include illuminated dials, tons of great onboard effects, and 125 memory locations with several presets created by renowned artists like Ian Crichton and Geoff Whitehorn. The V-AMP has balanced stereo outputs and a headphone jack, and ships with a sturdy metal dual footswitch and carrying bag.
190 West Dayton Avenue, Suite 201
Edmonds, WA 98020
425/673-1807; Fax 425/673-7647
www.behringer.com
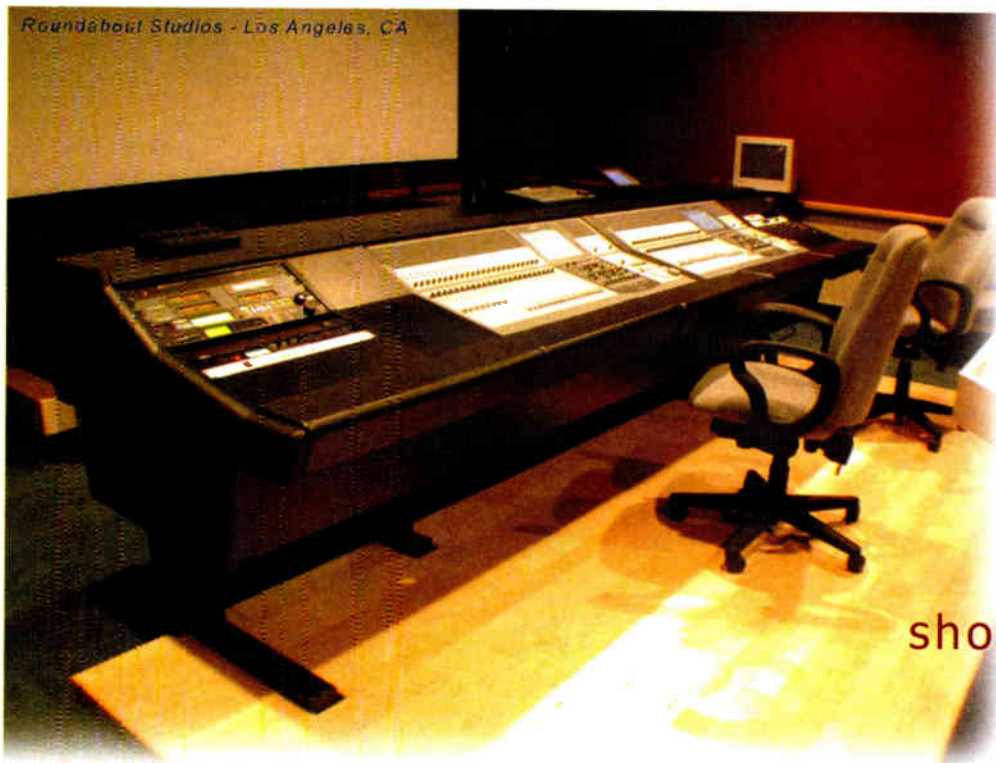
World Radio History

CreamWare Pulsar II v3

The Pulsar II v3 DSP Powered Virtual Studio is an open platform for synthesis, sampling, effects processing, mixing and signal routing. The system combines hundreds of audio software components with powerful DSP and audio I/O hardware, adding massive power to the host computer. Software v3 adds some 100 improvements, from slight enhancements to completely new integral parts of the system, including new mixers, new synthesizers and effects, and an improved user interface. Price: $1,444.
Wilhelm-Ostwald-Strasse 0/K1
Siegburg, Germany 53721
+49 224*-59580; Fax +49 2241-595857
www.creamware.com

Line 6 Vetta

Vetta, a new concept in guitar amplification, breaks down the walls between studio and stage tone. Vetta delivers incredibly toneful, next-generation amp models employing Point-to-Point Interactive Modeling technology and revolutionary power amp design. Features include: Two-Amps-At-Once, Double Tracker, built-in stomp box collection (up to three at a time), studio effects, stereo direct outs and more. Vetta 212 Combo: 2x50 watts $2,399.99. Vetta HD Head: 2x100 watts $2,399.99. FBX Foot Controller: $599.99.
29901 Agoura Road
Agoura Hills, CA 91301
818/575-3600; Fax 818/575-3601
www.line6.com

Native Instruments FM7

With the FM7, NI makes complete FM synthesis available in a software instrument for the first time. The FM7 is a worthy successor to the popular FM synths of yesteryear. It can import and faithfully reproduce any sound program in the standard FM sound formats. But the FM7 goes even further: Its extended synthesis architecture includes a filter operator for analog warmth and a distortion operator for adding grit. A high-class effects section, audio input, digital waveforms and powerful modulation capabilities complete the long list of features. $299.

Native Instruments Absynth

A software-based synth, Absynth delivers an outstanding range of expressive, organic and charismatic sounds for demanding electronic music creation. It combines an intuitive and easy-to-use interface with multiple synthesis techniques, including filtering, FM, AM, ring modulation and waveshaping. Freely model your own waveforms for oscillators, LFOs and the waveshaping functions. Incredible patches are just one click away from sweeping filter banks to pulsing cyclic envelopes, microtonal harmonies and telluric collisions of noise. $299.
28 Schlesische Strasse
Berlin, Germany 10997
+49 3061 1035-0; Fax +49 3061 1035-55
www.native-instruments.com

Nightingale
"Sexy, Smooth & Seductive" Library

The "Sexy, Smooth & Seductive" buyout music library CD features a great selection of styles including jazz, blues, latin, world, rock, R&B and much more. Guaranteed to bring out the sexiness in any scene, place or product. Contains 16 cuts (average length: 2:30) plus 60- and 30-second edits. Features first-class live performances by trumpet, guitar, sax, bass and vocals. Price: $99.00 U.S.
5460 Yonge Street, Suite 1004
Toronto, Ontario, Canada M2N 6K7
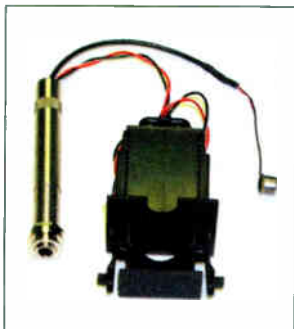416/221-2393; Fax 416/221-2676
www.NightingaleMusic.com

Power Amplifiers

Oceana Sensor M1 Fingerstylist System

This acoustic instrument amplification system features the "Axcel" sensor, with a bandwidth from 1 to 20k Hz and a noise floor of -160 dB. The Axcel is routed through with the "Fingerstylist" Class-A preamp, powered via a single 9V battery held within the "B3" (the better battery box) on the transverse brace next to the soundhole for quick and easy one-hand replacement of the battery. No new holes are required for installation. $200.00 MSRP.

Oceana Sensor B3

The B3 (the better battery box) is a simple, easy-to-use 9-volt battery case and drawer that mounts within all round soundhole acoustic guitars onto the 1st transverse brace, directly adjacent to the soundhole and below the fingerboard. One hand is all that is needed to replace the battery. This elimininates "wrist rings" that result from trying to reach all other internal 9V battery mounts while the strings remain strung.
1632 Corporate Landing Parkway
Virginia Beach, VA 23454
757/426-3678; Fax 757/426-3633
www.oceanasensor.com

Tascam GigaStudio 160

GigaStudio 160 is a hard drive-based sampler that features up to 160 streaming disk-based voices and 64 MIDI channels. The patented technologies employed allow for sample file sizes up to 4.3 gigabytes to be streamed directly from a computer's hard disk, offering tremendous advantages over standard sampler devices that load and store samples in RAM. The GigaStudio 160 with ultra-low latency offers a virtual mixing console, professional effects processing, and audio quality and detail never previously achieved by other sampling devices. MSRP: $699.

Tascam GigaStudio 96

GigaStudio 96 is a hard drive-based sampler that features up to 96 streaming disk-based voices and 32 MIDI channels. The patented technologies employed allow for sample file sizes up to 4.3 gigabytes to be streamed directly from a computer's hard disk, offering tremendous advantages over standard sampler devices that load and store samples in RAM. The GigaStudio 96 with ultra-low latency offers a virtual mixing console, professional effects processing, and audio quality and detail never previously achieved by other sampling devices. Price: $399.
7733 Telegraph Road
Montebello, CA 90640
323/726-0303; Fax 323/727-7635
www.tascam.com

Tech 21 SansAmp TRI-A.C.

The SansAmp TRI-A.C., a 3-channel programmable stomp box with three independent footswitches, combines a warm, 100% analog signal path with the convenience of digital programmability. Just dial the setting you like, double click on a footswitch, and it's saved. Three pre-voiced amp styles per channel include Tweed, California and British, each interacting differently to the dynamics of your individual playing technique. MSRP: $225.

Tech 21 Killer Wail

Designed for guitar or bass, the Killer Wail pedal can faithfully reproduce the saturation and harmonics of vintage wahs, while providing greater flexibility. The High mode moves the filter to the high range of the guitar; the Extended mode tunes the wah to cover the entire guitar range; and the Deep mode moves the filter down to accentuate the lower strings. MSRP: $175.
333 West 52nd Street
New York, NY 10019
212/315-1116; Fax 212/315-0825
www.tech21nyc.com

Yamaha RS7000 Remix Studio

The RS7000 features an intuitive interface and virtually every parameter available for real-time manipulation. Integrated Sampling Sequencer (ISS) seamlessly combines audio and MIDI, and features 16 tracks (MIDI or Stereo Audio), 200,000 notes and up to 8,192 individual audio samples. Other features include 4 MB of sampling memory (expandable to 64 MB), 64-voice tone generator, and 18 assignable knobs and two pads for control over sounds, samples and MIDI sequences.

Yamaha Motif

Available in 61/76/88-key versions with 62-note polyphony, Motif combines state-of-the-art AWM2 tone generation and 85 MB of Wave ROM with the hands-on immediacy of a groove box and a 200,000-note ISS sequencer function with 16 tracks of MIDI or stereo audio phrase playback. Besides having 16-channel onboard digital mixing capability, Motif can operate as a control surface with templates for Cubase VST, Logic Audio, Cakewalk and Pro Tools.
6600 Orangethorpe Avenue
Buena Park, CA 90620
714/522-9011; Fax 714/522-9522
www.yamaha.com; www.motifator.com

Power Amplifiers

AB International Sub 3600

The Sub 3600 has three full-frequency channels, or use internal crossover with four selectable per/ch. Channels 1 & 2: 500 W/channel @ 8 ohms, 800/ch @ 4 ohms or 1,050 W/channel @ 2 ohms. Channel 3 (sub) 900wpc @ 8, 1,500wpc @ 4 and 2,000wpc @ 2. Channels1 & 2 Bridge switch, x-over outputs, dual fans and "Soft Clip" circuitry.

AB International Series 6600

A 6-channel amplifier, with 400 W/ch @ 8 ohms, 600 W/ch @ 4, 750 W/ch @ 2 (all channels dr ven). Features include three independent power supplies, balanced XLR and TRS 1/4" inputs, bridge switches, Lowpass filter on channel 6, fan cooling, selectable input sensitivity and "Soft Clip" circuitry.
1830-6 Vernon Street
Roseville, CA 95678
916/783-7800; Fax 916/784-1050
www.abamps.com

Crest LT 1000/1500/2000

LT Series amplifiers are the first in a family of elevated efficiency amplification from Crest Audio. The LT Series uses a combination of a linear power supply and a Class-D output to deliver Crest power in a compact and cost-effective package. A full complement of features and power-points make this a versatile series, whether powering nightclub systems or nigh school gyms.
100 Eisenhower Dr.
Paramus, NJ 07652
201/909-8700; Fax 201/909-8744
www.crestaudio.com

Crown Audio Power-Tech.1 Series

Ideal for musicians and mobile DJs alike, the Power-Tech 1.1 (305 W @ 4 ohms), 2.1 (460 W) and 3.1 (760 W) deliver high-power handling and beefy low end with minimal distortion (<0.1% at rated output). All three models feature: 2U design, SPI/IOC indicators, ODEP circuitry, DC and fault protection, three-way input sensitivity switches, forced air fan, balanced 1/4" and XLR inputs, binding post outputs, and Crown's three-year, no fault, fully transferable warranty. Retail: $869, $999 and $1,299.

Crown Audio XLS Series

The cost-effective XLS Series is engineered with mobile DJs and musicians in mind. Housed in a rugged, all-steel, 3U chassis, the XLS 202 (200 W @ 4 ohms), 402 (400 W) and 602 (600 W) provide both first-class reliability and sound. Features include: selectable highpass filters, linear optocoupler clip limiters, 2/4/8-ohm capabilities, efficient forced air fan, LEDs for clip/power/fault, balanced XLR inputs, binding post outputs, and Crown's three-year, no fault, fully transferable warranty. Retail: $529, $629 and $829.
1718 W. Mishawaka Road
Elkhart, IN 46517
219/294-8200; Fax 219/294-8329
www.crownaudio.com

FBT SA 2500

Three hundred fifty W/channel @ 8 ohms (continuous RMS); 500 W/channel @ 4 ohms; 1,000W bridged mono @ 8 ohms; two-rackspace; 3-position selectable stereo crossover with third-order Butterworth filters, highpass, lowpass @ 18 dB/octave; Neutrik Combo XLR-1/4" balanced inputs; Speakon & 1/4" TRS outs; stereo, parallel, bridged operation switch; subsonic filter and 120Hz lowpass switch. Frequency response, 20-20k Hz; THD @ full power, <0.02%; and signal-to-noise ratio, <105 dB. Protection features: DC, Soft Start, Short Circuit, Thermal and Delayed Output. Weight: 29 lbs. Price: $1,179.
1940 Wilbur Cross Highway
Berlin, CT 06037
800/333-9383; Fax 860/829-1026
www.fbt.it

Parasound
John Curl Signature Monaural Amp

Designed and voiced exclusively for Parasound by John Curl and the CTC Builders, this reference amplifier delivers 400 watts (@ 8 ohms). Price: $2,500 per channel.
950 Battery Street
San Francisco, CA 94111
415/397-7100; Fax 415/397-0144
www.parasound.com

QSC Audio Products CX-168

The new CX-168 (approximately $1,350 in USA) features eight channels rated at 90 watts per channel @ 8 ohms and 130 watts @ 4 ohms in a compact 2RU chassis, providing an unprecedented level of channel density for fixed installations. For added flexibility, each pair of channels can be bridged to deliver up to 260 watts @ 8 ohms. The CX-168 is equipped with QSC's PowerWave technology and DataPorts for remote management or DSP.
1675 MacArthur Blvd.
Costa Mesa, CA 92626
714/754-6175; Fax 714/754-6174
www.qscaudio.com

Quested APS00

The new AP500 high-performance power amp is designed for use in a variety of applications from studios to the fixed installation market where sonic quality is the highest priority. Each channel of the AP500 provides 500-watts RMS into 4 ohms and 300-watts RMS into 8 ohms, and brings renowned Quested sound quality and reliability to a wider range of users.
5816 Hwy K
Waunakee, WI 53597
608/850-3600; Fax 608/850-3602
www.quested.com

STK VS34 Power Plus Digital Power Amp

Designed for sustained high-power applications. Power output 2x1,250 W @ 4 ohms, 2x1,700 W @ 2 ohms. XLR and 1/4" inputs, Speakon and binding post outputs. Low-cut filter selectable @ 30/50 Hz. Switchable limiter. Multistage digital power supply; 8-stage power amp section. Full protection circuitry. Retail: $1,795.95.
Dist. by Redwood Music
Box 901705
Sandy, UT 84090
801/947-5750; Fax 801/947-5752
www.redwoodmusic.com

Tsunami Technologies HQ-3.4

The HQ-3.4 is a conventional power amp utilizing the finest in Class-H technology. It's rated 1,800 W/side @ 2 ohms and is 80% efficient. Other features include: input sensitivity; 0 dBu (0.775 V) for extra gain and headroom; calibrated detented front panel input level controls; balanced/unbalanced "combo" XLR-1/4" TRS inputs; output binding post; and Speakon-type connectors. Full protection circuitry and variable speed fans with thermal controls. MSRP: $1,195.
459 Geary Street
San Francisco, CA 94102
415/776-9705; Fax 415/776-9214
www.tsunamitechnologies.com

Signal Processing, Hardware

Aguilar Amplification DB 900 Tube DI

The DB 900 tube direct box retails for $529. Specs include: input impedance: 12.8M ohm; balanced output impedance: 150 ohm; unbalanced output impedance: 880 ohm; noise: -100 dB unweighted; bandwidth (balanced into 600 ohm): 10- 40k Hz, +-0.5 dB; bandwidth (unbalanced into 10k ohm): 10-100k Hz +-0.5 dB; balanced level out: -20.5 dB; tube complement: one 12AX7A; output transformer: Jensen DBE; dimensions: 8.5x4.5x2" (LxWxH).
599 Broadway 7th Floor
New York, NY 10012
800/304-1875; Fax 212/431-8201
www.aguilaramp.com

Akai MFC42 Analog Filter Controller

The MFC42 is a 2-channel (1x mono, 1x stereo) analog filter module designed for use with the MPC Series products. With two channels, drum and bass sounds can be processed independently to provide maximum flexibility. The MFC42 features a 2-pole, 4-pole and an outrageous 8-pole filter with real-time control over all parameters. Groove modulation allows sweeps to be synched to any tempo, and full MIDI control is implemented. Retail: $579.
4710 Mercantile Drive
Fort Worth, TX 76137
817/831-9203; Fax 817/222-1490
www.akaipro.com

Alesis PEQ-450 Parametric EQ

The 400 Series PEQ-450 is a dual-stereo, 5-band, fully parametric equalizer with 20-20k Hz EQ control, ±18dB boost/cut controls, continuously variable Q, high and low shelving, high- and lowpass filters, and input/output metering. Separate frequency gain and Q controls for each band, w/highpass and lowpass filters. Unique Alesis Semiconductor digital processing provides dual-stereo 5-band or "chained" 10-band dual-stereo operation, with traditional analog-style user interface for simplicity and ease of use. Internal power supply, switchable balanced +4 dB/unbalanced, -10dB I/O. MSRP: $399.

Alesis Ineko Digital Effects Processor

Over-the-top personality effects and professional quality "staple" effects in one simple-to-use table-top unit. Ideal for home recording, live and DJ applications, with 48 reverbs, delays, filters and "twisted" dramatic effects. Self-explanatory user interface. No menus—three controls adjust effect parameters in real time. Input gain trim and 1/4" stereo inputs/outputs. MSRP: $199.

Alesis CLX440

This full-featured compressor/limiter/expander features separate compression and expansion sections for each stereo channel, "look-ahead" capability, sidechain I/O and "key" functions, continuously variable soft/hard knee and peak/RMS controls. Two sets of front panel meters for input, output, compression/expansion activity. Internal power supply, switchable balanced +4 dB/unbalanced, -10dB I/O. MSRP: $399.
1633 26th Street
Santa Monica, CA 90404
800/5ALESIS; Fax 310/255-3511
www.alesis.com

Antares Vocal Producer
The Antares Vocal Producer is a 1U rack combining the world-renowned Auto-Tune Pitch Correction and TEC Award-winning Microphone Modeler technologies with state-of-the-art vocal processing modules including: analog tube modeling, a variable knee compressor and downward expanding gate, a variable frequency de-esser, flexible parametric EQ, and automatic mono or stereo-double tracking. The AVP is fully programmable, MIDI automatable and includes factory presets for a wide variety of vocal styles. MSRP: $599.
231 Technology Circle
Scotts Valley, CA 95066
831/461-7800; Fax 831/461-7801
www.antarestech.com

Aphex 204 Aural Exciter
The Model 204 is a revitalized version of the acclaimed Aphex Aural Exciter, which features a new Optical Big Bottom function, two independent channels, internal power supply, XLR and 1/4" I/O, and improved overall sound quality. The Aural Exciter process extends the harmonics of an audio path, restoring the signal's natural brightness, clarity and presence; the Big Bottom circuitry provides deeper, more resonant bass with little or no increase in peak output. Retail is $400.
11068 Randall Street
Sun Valley, CA 91352
818/767-2929; Fax 818/767-2641
www.aphex.com

ART HQ Series Equalizers
The HQ Equalizers bring new-found functionality to the ART line with the addition of our proprietary FDC (Feedback Detection Circuitry). The HQ Series feature constant-Q equalizer design, which makes the equalizer very predictable, a quality that is paramount to consistent performance. The individual band shape was chosen for the most musical sound with minimal band interaction, yet without sounding resonant. Individual band's character do not change with the amount of boost, because the bandwidth of the filter remains constant.
215 Tremont Street
Rochester, NY 14608
716/436-2720; Fax 716/436-3942
www.artproaudio.com

dbx 1074 Quad Noise Gate
The 1074 is a dedicated 4-channel noise gate processor that offers classic dbx Professional Products noise-reduction technology. The 1074 offers features such as a noise-reduction switched filter that allows the user to tune the RMS detector on the gate, allowing it to be more sensitive on certain gate settings, as well as a depth control to determine the amount of gain reduction, and a monitor control for the filter or the sidechain.

dbx 274 Quad Noise Gate
The 274 is a dedicated 4-channel noise gate processor that offers classic dbx Professional Products noise-reduction technology. The 274 has been designed for contractor and MI applications.
8760 S. Sandy Parkway
Sandy, Utah 84070
801/568-7660; Fax 801/568-7662
www.dbxpro.com

Digital Domain K-Stereo Processor Model DD-2
The K-Stereo Processor is the world's first ambience extraction processor, patent pending by the designer Bob Katz. Model DD-2 restores lost ambience and makes small mixes sound bigger. All without adding mud or destroying the stereo image.
931 N. SR. 434, Suite 1201-168
Altamonte Springs, FL 32714
407/831-0233; Fax 407/834-1339
www.digido.com

Dolby E Tri-Level Sync Interface
Post-production is migrating toward 24-frame acquisition and storage to maintain high quality across multiple delivery formats. To generate 23.98 or 24 fps Dolby E streams, the new DP579 Dolby E Tri-Level Sync Interface converts standard tri-level video sync into a Dolby Black reference (similar to standard black burst reference) for use with the DP571 and DP572 Dolby E encoder and decoder.
100 Potrero Ave.
San Francisco, CA 94103
415/645-5000; Fax 415/645-4001
www.dolby.com

Drawmer DSS01 Power Gate
The DS501 Power Gate features new "tuneable" Peak Punch processing. A fully variable frequency selector with a range from 75 to 16k Hz allows the user to shape the transients of the gated signal and "tune-in" to the particular area of the audio spectrum where the Peak Punch is to be active. This makes it possible to add transient punch to frequencies lacking in individual drum sounds, adding greater definition to the gated signal.

Drawmer Six-Pack
The Six-Pack is a 3U, 6-channel gate/compressor/limiter that features comprehensive universal-linking technology designed specifically for surround sound applications. The unit can be configured so that any combination of channels can be linked to track each other's levels, preventing image shift. Channel 6 offers the option of a switchable 120Hz lowpass filter so a sub-bass (LFE) channel may be derived from a 5-channel surround mix. LEDs show link status, and comprehensive bar graph metering displays all dynamic functions.
Dist. by Transamerica Audio Group
4760 West Dewey Drive, Suite #129
Las Vegas, Nevada 89118
702/365-5155; Fax 702/365-5145
www.transaudiogroup.com

Focusrite Penta
Focusrite's Penta offers a mono/stereo optical compressor with 16 presets for recalling settings for the most common instruments. Featuring the same Class-A mic preamp as Control|24 and the other Platinum Series processors, Penta provides that amazing Focusrite sound at a price that doesn't break the bank. Retail is $495; an optional 24-bit/96kHz S/PDIF digital output is $250.
Dist. by Digidesign Inc.
3401-A Hillview Avenue
Palo Alto, CA 94304
650/842-7900
www.digidesign.com

HHB FatMan 2
Like its similarly corpulent sibling, the FatMan 1 Stereo Tube Compressor, the new FatMan 2 combined tube preamp and compressor offers affordability, ease of use and flexibility, thanks to 15 high-quality presets, plus full manual override. U.S. list: $469.
1410 Centinela Avenue
Los Angeles, CA 90025
310/319-1111; Fax 310/319-1311
www.hhb.co.uk

Kurzweil KSP8

The KSP8 Multi-bus Effects Processor is an 8-channel, rackmount signal processor designed for the pro musician/engineer/producer requiring high-quality signal processing and demanding unparalleled real-time control. The world's only 8-channel multi-effects processor with twice the processing power of our acclaimed KDFX system, the KSP8 includes all of the high-quality effects algorithms from KDFX and adds surround reverbs and other new effects. The sonic quality is simply stunning.
9501 Lakewood Drive S.W., Suite D
Lakewood, WA 98499
253/589-3200; Fax 253/588-6809
www.kurzweilmusicsystems.com

Lexicon 960L Version 2.5 Software

Multichannel algorithms: Simple Surround Delays, Random Surround Delays, Surround Frame Delay, Octal Frame Delay and Octal Zone Delay. Stereo algorithms: Simple Delays, Dual Delays, Random Delays and Stereo Frame Delay. Stereo 96kHz reverb algorithms: Plate and Chamber. Multichannel 96kHz reverb algorithms: Surround Plate and Surround Chamber. Stereo delay programs: seven new banks utilizing the stereo delay algorithms. Multichannel programs: four new banks utilizing the multichannel delay algorithms. CD-ROM upgrade: $599 MSRP.
3 Oak Park
Bedford, MA 01730
781/280-0300; Fax 781/280-0490
www.lexicon.com

Line 6 Echo Pro, Filter Pro, Mod Pro

Echo Pro, Filter Pro and Mod Pro are the only professional rack products to offer the most incredible models of vintage and classic effects. Innovative tempo controls translate delay times and modulation rates from milliseconds and Hertz to BPM and back again, with the flexibility of 1/16, 1/8, 1/4, 1/2 and whole notes—as well as their triplet and dotted brethren. Features: 99 presets, 24-bit conversion/DSP, 16 effects, XLR and 1/4" connectors, >105 S/N. Retail: $699.
29901 Agoura Road
Agoura Hills, CA 91301
818/575-3600; Fax 818/575-3601
www.line6.com

LT Sound Thompson Vocal Eliminator VE4

The renowned Thompson Vocal Eliminator returns as a state of the digital processor with SHARC 32-bit processor, S/PDIF (optical and co-ax) digital I/O and Internet upgradable software. It now even works on mono recordings and preserves true stereo content. Negligible instrumental losses compared with prior models. List price: $2,395.
7980 LT Parkway
Lithonia, GA 30058
770/482-4836; Fax 770/482-6972
www.LTSound.com

Manley SLAM!

SLAM! stands for "Stereo Limiter And MicPre," and it pretty much describes what it will do to most VU meters! This baby goes loud! (hence the exclamation mark). On top of being an amazing pair of Class-A tube mic preamps, with stereo ELOPs and stereo FET limiters, the SLAM! also has Master's Degrees in DI, A/D and D/A, VU and PPM (but that was too much for an acronym). With both analog and digital 24/192 interfaces, SLAM! is a versatile workhorse for both tracking and mixing direct to tape or into/out of DAWs. A mastering version is planned as well.
13880 Magnolia Ave.
Chino, CA 91710
909/627-4256; Fax 909/628-2482
www.manleylabs.com

Millennia LPE-2

The LPE-2 Archival Playback System offers a huge array of pristine compensation networks for modern (33-1/3) and legacy (78) pressings, as early discs were produced with various nonstandard phono compensation curves. For restoration, the LPE-2 has four bands of Class-A biased, all-discrete signal path equalizing filters for surgical correction. Designed for moving magnet/moving coil cartridges, the LPE-2 has up to 60 dB (90 dB upon request) of gain and decoding for vertically grooved pressings. Retail: $9,500.
4200 Day Spring Ct.
Placerville, CA 95667
530/647-0750; Fax 530/647-9921
www.mil-media.com

Otari ND-20 Network Audio Distribution Unit

Superior analog fidelity, built-in sample rate conversion and the ability to use multiple sample rates make the ND-20 a complete solution for connecting and networking digital and analog audio. Each ND-20 can support up to 32 channels of I/O, including mic inputs, line inputs, line outputs, AES/EBU and TDIF. A total of 63 units can be connected together to provide an audio network capable of 96 channels (48 @ 96 kHz). Prices start at $3,895.
8236 Remmet Avenue
Canoga Park, CA 91304
800/877-0577; Fax 818/594-7208
www.otari.com

Peavey PES-202

The PES-202 is a low-frequency energy and stereo image enhancement system that rattles your planet with bass, while causing the vocals to stand out in a mix and spread the stereo image. The Quake dial watches the source material, analyzes the bass and then generates additional low frequencies an octave below the source material. The Thud dial is tuned an octave above the sub-harmonic range to fill in and fatten out the low end, and there are mono switches on the in and out.
711 A Street
Meridian, MS 39301
601/483-5376; Fax 601/486-1678
aa.peavey.com

Pendulum Audio Quartet

Pendulum Audio will debut the Quartet, a 4-element analog recording channel with an all-tube, Class-A signal path. Features include the mic/DI preamp from our MDP-1, the proprietary optocompressor from our OCL-2, a new 3-band, inductor-based EQ with a parametric mid band, and a new inductor-based opto de-esser with a novel detection method and user-adjustable depth. See us at booth #1453.
Box 339
Gillette, NJ 07933
908/665-9333
www.pendulumaudio.com

PreSonus DEQ624 Stereo Graphic EQ

Two 31-band equalizers with three switchable ranges of operation: ±6 dB, ±12 dB, or +12/-24 dB. Security feature locks out front faceplate using programmable password access. Brick wall limiter with variable threshold. High/lowpass filters. Adaptive Hum Cancellation. XLR balanced, 1/4" unbalanced & barrier strip I/Os. MSRP: $799.95.
7257 Florida Blvd.
Baton Rouge, Louisiana 70816
225/216-7887; Fax 225/926-8347
www.presonus.com

Quested SM326

Designed by BSS co-counder Stan Gould, responsible for the design of the industry-standard FDS360 crossover, the SM326 offers exceptional sonic transparency with three levels of security for access. The topology, filter configuration and gain structure are set on internal cards. System calibration, adjustments and switched settings are protected by a removable security cover, while a 2-wire remote connector allows muting the system from the studio console. An optional EQ module offers fully configurable custom dynamic or band equalization.
5816 Hwy K
Waunakee, WI 53597
608/850-3600; Fax 608/850-3602
www.quested.com

Radial Engineering JDI-Duplex

The Radial Duplex is a 2-channel (stereo) version of the JDI MKI-II for stereo keyboards in both studio or live sound reinforcement. Built in a rugged steel case, the Duplex incorporates two completely separate circuits for true dual-channel operation. Input and thru-put may be merged to mono for 4-in, 2-out operation.
#114 1585 Broadway St.
Port Coquitlam, BC, Canada V3C 2M7
800/939-1001; Fax 604/942-1010
www.radialeng.com

SoundField SP4S1 Surround Processor

The SP451 enables 5.1 surround sound recording from a single SoundField microphone. It is designed to work with the B format outputs of the Mark V or ST250 SoundField microphone systems. The SP451 delivers a high-quality, full-band, discrete left/center/right (L/C/R), surround-left/surround-right (SL/SR) "mic" output plus a subwoofer (<80 Hz) "mic" output. The surround mic array patterns are determined by internally installed MAP cards. A cardioid L/C/R/SL/SR card is supplied as standard.
Dist. by Transamerica Audio Group
4760 W. Dewey Drive, #129
Las Vegas, Nevada 89118
702/365-5155; Fax 702/365-5145
www.transaudiogroup.com

Speck Electronics Model ASC Equalizer

The Model ASC is a professional single-channel, 4-band equalizer in a half-rack format. This compact 4-band parametric equalizer has 12 controls for equalization adjustment that covers the audio spectrum from a low 20 Hz all the way up to 25 kHz. The Model ASC has high headroom that will handle balanced signals up to +28 dBu. The Model ASC offers balanced transformer and active balanced outputs. Price: $645.
341 E. Alvarado Street
Fallbrook, CA 92028
760/723-4281
www.speck.com

SPL PQ 20S0 Equalizer

Basic features: analog dual-channel 5-band parametric equalizer; 124V operating voltage; 150dB dynamic range; first filter design that offers the choice of Constant Q and Proportional Q mode; recall functionality (up to 999 presets); all controls are motorized and digitally controlled; Channel Link mode & Master/Slave Unit mode; and SPL SUPRA components (custom-made discrete operation amplifiers). Options: remote control interface for up to four units; PCM or DSD converter modules.

SPL Track One

The Track One is a complete mono channel strip for the high-quality recording and processing of vocals and instruments. In addition to the preamps, which are suitable for all types of mics, the unit incorporates SPL's highly effective de-esser, a compressor/limiter, a 3-band EQ section, and an output stage with metering for output level and gain reduction. The Track One is ideal for the fast and reliable recording of vocals or acoustic instruments but is also suitable for live performance and A/V post-editing. MSRP: $999.
Dist. by Group One Ltd.
200 Sea Lane
Farmingdale, NY 11735
631/249-1399; Fax 631/753-1020
www.soundperformancelab.com

SRS Labs Pro 220 Spatial Enhancer

This single-rackspace, -10dB unbalanced audio signal processor is designed for use in recording or stereo sound reinforcement to create additional width and depth. Based on the multi-patented Sound Retrieval System (SRS) technology, the Pro 220 restores the original 3-D soundfield to any stereo music without affecting time or shifting phase. It's also useful for converting mono to 3-D stereo, independent control of space (L-R, R-L), or stereo information and control center (L+R) information. MSRP: $299.
2909 Daimler Street
Santa Ana, CA 92705
949/442-1070; Fax 949/852-1099
www.srslabs.com

Summit TD-100 and TLA-50

Summit Audio is now shipping its new $495 TD-100 Instrument Preamp/Tube Direct and $695 TLA-50 Limiting Amplifier. Housed in half-rack chassis, these products offer quality components and full-size performance from compact enclosures. See us at Booth #356.
390 Westridge Drive
Watsonville, CA 95076
831/728-1302; Fax 831/728-1073
www.summitaudio.com

Symetrix SymNet

SymNet is a proprietary interface, modular rackmounted audio mixing, routing and processing system. Includes three hardware units: an 8x8 I/O unit, an analog 8-input unit and an analog 8-output unit. Processing power is a 32-bit SHARC floating point: a 64-channel interface, SymLink, provides direct connection between units. Perfect for small applications or for installations with much larger I/O requirements. SymNet Designer, a Windows-based control application for CAD-style "drag and drop" control over audio processing modules.

Symetrix 322 DSP Processor

The 322 is 2-input, 2-output, 24-bit multifunction DSP processor for engineered sound applications. Symetrix Audio Workplace 322 software provides real-time control from a Windows 98/2000 environment. At $599 (MSRP), the 322 is perfect for systems that are too small to warrant the use of larger multi-I/O platforms.
14926 35th Avenue West
Lynnwood, WA 98037
425/787-3222; Fax 425/787-3211
www.symetrixaudio.com

TC Electronic VSS-4 Stereo Reverb

VSS-4 is the first genuine stereo reverb, and radically departs from being an additive sustain tail added to a 2-channel signal. Based on source-related reflections from multiple angles, the precision of VSS-4 is comparable to real-world mono or stereo sources positioned in an authentic or virtual space. Used for mastering purposes, VSS-4 maintains full bit transparency, and can be operated at sample rates up to 96 kHz. License fee: free for System 6000 users.
34 Sindalsvej
8240 Risskov, Denmark
+45 8742 7000; Fax +45 8742 7010
www.tcelectronic.com

TC-Helicon VoicePrism Plus

The new TC-Helicon VoicePrism Plus Human Voice Modeling/Formant Processor is a full-solution vocal processor for stage and studio—featuring the world's first professional implementation of Voice Modeling technology. Voice Modeling is essentially real-time resynthesis and reshaping of the human voice. It offers a variety of ways in which to process the vocal input, including the ability to add breath, growl, rasp, nead and chest resonance, inflection or vibrato. Retail: $1,345.
34 Sindalsvej
8240 Risskov, Denmark
+45 8742 7000; Fax +45 8742 7010
www.tc-helicon.com

TL Audio VP-1 Valve Processor

The VP-1 combines features from the PA-1 preamp, C-1 compressor and EQ-2 parametric equalizer into a single unit. It features seven tube stages, each run from a stabilized 250VDC supply, with two stages in the preamp, one in the compressor and four in the EQ section. The VP-1 also includes an expander/gate, de-esser and an optical peak limiter. Digital output is optional. The VP-1 is distributed in the USA by HHB: 310/319-1111, www.hhbusa.com.
Iceni Court, Icknield Way
Letchworth, Herts, UK SG6 1TN
+44 1462 680 888; Fax +44 1462 680 999
www.tlaudio.co.uk

Waves MaxxStream LX

MaxxStream LX is a new, reduced function, entry-level version of its industry-leading MaxxStream solutions for radio broadcasting and Internet streaming. The MaxxStream products are the industry's first to integrate audio encode supporting multiple encoders formats and bit rates simultaneously, with audio capture, processing, archiving and transmission into a single, easy-to-use solution. The benefits of MaxxStream LX include broadband sound from narrow-band transmission, multiple encoding resolutions, simple integrated solution and customizable "tuning." MSRP: $1,000.

Waves YS6K

The Y56K brings six of Waves best signal processors to Yamaha's AW4416/2816. The Y56K card fits into an expansion slot on the AW, providing serious DSP horsepower as well as inclusion of ADAT Lightpipe input/output. The Y56K comes with Waves' L1-Ultramaximizer, Renaissance EQ, Renaissance Compressor, TrueVerb, SuperTap Delay and DeEsser. The Y56K supports up to eight effect chains with up to five effects per chain. It integrates easily with the AW snapshot automation. MSRP: $1,000.
306 West Depot Ave, Suite 1000
Knoxville, TX 37917
865/546-6115; Fax 865/546-8445
www.wavesstream.com

Z-Systems z-K6 K-Surround Processor

The z-K6 is a highly innovative processor for producing 5.1 surround output from stereo source material. Functioning entirely in the digital domain, the z-K6 utilizes well-understood psychoacoustic principles to produce extremely natural-sounding surround. Stop by and ask for a demo—you won't believe your ears.

Z-Systems z-Q2 Digital Parametric

The z-Q2 is the long-awaited follow-up to the company's popular z-Q1 equalizer. Upgrades include full support for 24/96, enhanced user interface, M/S encoding and decoding, and POW-r wordlength reduction.
4641-F NW 6th Street
Gainesville, FL 32609
352/371-0990; Fax 352/371-0093
www.z-sys.com

Signal Processing Software

Antares Auto-Tune 3

Auto-Tune is the worldwide standard in pitch correction. Now, with a new look and significant new features, such as "Source Specific" processing algorithms for Soprano, Alto/Tenor, Low Male voice, Instrument and Bass Instruments. Features: optimizes pitch correction of bass range instruments; phase-coherent pitch correction of stereo tracks; high (96kHz) sample rate compatibility; and the ability to set target notes in real-time via MIDI and make scales from MIDI data. Pricing: $599 Mac TDM (upgrade $149); Mac Native (RTAS, MOTU, VST) $399, upgrade $99; Direct X $299, upgrade $99.
231 Technology Circle
Scotts Valley, CA 95066
831/461-7800; Fax 831/461-7801
www.antarestech.com

Digidesign SurroundScope

SurroundScope is a high-end level and phase metering plug-in for Pro Tools, featuring TDM and RTAS functionality. Providing a real-time visual representation of the position your audio occupies in the stereo or multichannel field, as well as detecting the phase coherency among the multiple audio channels, SurroundScope makes it much easier to monitor and visualize your multichannel or stereo mixes. Retail: $295.
3401-A Hillview Avenue
Palo Alto, CA 94304
650/842-7900
www.digidesign.com

Line 6 Echo Farm

In the tradition of its popular Amp Farm Plug-In, Line 6 has applied its modeling technology to create the Echo Farm TDM Plug-In for Pro Tools|24 MIX and MIXplus systems. Now you can have classic tape echo, old-school analog delays and filter-swept modulation effects, along with all the advantages of TDM processing. $495.
Dist. by Digidesign
3401-A Hillview Avenue
Palo Alto, CA 94304
650/842-7900
www.digidesign.com

McDSP Analog Channel

The Analog Channel plug-in emulates analog mixing console channels, analog tape and analog tape machines using the AC1 and AC2 configs. AC1 acts as a "digital preamp," allowing even excessive amounts of gain without digital distortion. AC2 is the ultimate virtual tape machine with selectable playback heads, head bump, bias, playback speed, selectable IEC EQ and even different tape formulations. Retail: $495.
Box 50611
Palo Alto, CA 94303
www.mcdsp.com

Prosoniq Orange Vocoder

An all-digital simulation of a classic analog vocoder as an RTAS Plug-In, the Orange Vocoder includes an 8-voice virtual analog synthesizer and 12-node graphical equalizer—both of which are completely customizable and automatable in Pro Tools. Retail: $245.
Dist. by Digidesign
3401-A Hillview Avenue
Palo Alto, CA 94304
650/842-7900
www.digidesign.com

Waves Renaissance Collection 2

The Renaissance Collection 2 plug-ins combine sophisticated psychoacoustics for sonic superiority with a simple user interface. Renaissance Vox brings vocals and solo instruments to the front of the mix while pushing out unwanted noise. Renaissance Bass refines Waves' MaxxBass technology to allow bass frequency extension through frequency-limited speakers. Renaissance DeEsser offers a unique Adaptive Threshold that provides more natural-sounding results. MSRP $200 for Native; $400 for TDM.
06 West Depot Ave, Suite 1000
Knoxville, TX 37917
865/546-6115; Fax 865/546-8445
www.waves.com

Sync, Control and Automation

Lucid SSG192 Studio Sync Generator

Lucid SSG192 Studio Sync Generator is a one-step solution to alleviate the problems created by an ever-growing number of digital recording studio devices. The SSG192 can drive a studio via an internal clock set to any one of 11 standard frequencies spanning 32 kHz to 192 kHz or via an external wordclock, AES11 or video blackburst. Nine outputs eliminate the need for daisy-chaining and include video sync, wordclock (four outputs), AES11 (two outputs), Digidesign 256X Superclock and Lucid's proprietary 1024X Ultraclock.

Lucid GENx6-96 Studio Sync Generator

Lucid introduces the GENx6-96 studio sync generator, an extremely low-jitter clock source outputting wordclock or Digidesign's superclock format. The GENx6-96 generates clock frequencies of 44.1, 48, 88.2 and 96 kHz. All six BNC clock outputs have corresponding front panel switches to select word or Superclock on a per-output basis. It can reference an incoming word, Superclock or AES sync signal via selectable AES and BNC inputs. It also functions as a simple 1x6 clock distribution amp if required.
14926 35th Avenue West
Lynnwood, WA 98037-2303
425/787-3222; fax 425/787-3211
www.lucidaudio.com
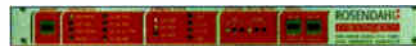
Rosendahl Studiotechnik Nanosyncs

The Nanosyncs is an ultra-accurate universal audio clock reference generator, providing six wordclock, four video, AES/EBU and S/PDIF outputs, along with LTC In/Thru. The wordclock outputs can be configured to 44.1, 48, 88.2 and 96kHz sampling rates or 256x (Superclock). Random amplitude jitter is <350 picoseconds in all operation modes. The DDS process eliminates all periodic jitter. It's distributed in the USA by HHB: 310/319-1111, www.hhbusa.com.
26 Isoldenstrasse
Munich, Germany D-80804
+49 89 3610 4802; fax +49 89 3610 4803
www.nanosyncs.com

Tape Recorders and Media

ATR Service Company
Ampex/Aria ATR-108C

The new Ampex/Aria ATR-108C 16/8/2-track convertible analog recorder is ideal for high-impact drum/bass tracking as well as for surround or stereo mixing, offering 16- or 8-track recording on 2" tape, or stereo on 1" or 1/2" tape. The Michael Spitz ATR transport easily accommodates format and tape width changes. Also new, the Aria discrete Class-A electronics (designed by Dave Hill), is standard on the ATR-108C and retrofittable into most professional analog recorders.
2101 Pennsylvania Ave, #11
York, PA 17404
717/852-7700; Fax 717/852-7755
www.atrservice.com

EMTEC Studio Master 900 Blue

EMTEC Pro Media has repackaged its acclaimed Studio Master 900 maxima analog tape, with blue reels and an improved, sturdier tape collar. Each box of SM 900 also now includes two EMTEC Ceramic Plated CD-R Master discs, with a hardened white ceramic coating for total reliability, as well as a transparent protective layer to deliver optimum protection evenly across the reflective layer for enhanced data preservation.

EMTEC LTO Ultrium Tape

The LTO format, the ultimate back-up/storage media product for digital audio applications, is an open-format core technology supported jointly by HP, IBM and Seagate. EMTEC's LTO Ultrium is available in four sizes, with compressed/uncompressed storage capacities of 20/10 GB, 60/30 GB, 100/50 GB, 200/100 GB and fast transfer rates of between 10 MB/s to 40 MB/s. The LTO Ultrium cartridge also includes a computer memory (CM) chip embedded into the casing.
25050 Avenue Kearny, Suite 203
Valencia, CA 91355
888/295-5551; Fax 661/295-5554
www.emtec-usa.com

HHB DVD-R 4.7GB Blanks

Developed with professional audio and video users in mind, the DVD-R 4.7GB disc is designed for general V. 2.0 DVD recording. The DVD-R 4.7GB disc delivers increased levels of performance, compatibility and long-term archival security. It uses a highly durable, lightfast dye that's specially synthesized for 650nm recording. A wide-power margin and axial deviation of less than half the format's spec ensures full compatibility with a wide range of DVD-Recordable drives up to 2x speed. Price $24.95.
1410 Centinela Avenue
Los Angeles, CA 90025
310/319-1111; Fax 310/319-1311
www.hhbusa.com

JRF MXS0S0BII-Phat

JRF Magnetic Sciences will introduce the latest addition to its family of 1/2" 2-track analog tape recorders and conversions. The MX5050BII-Phat is in response to numerous requests from small to mid-sized digital studios for an affordable means to achieve true analog sound and generate 1/2" 2-track masters. Originating from the legendary little Otari workhorse, the BII-Phat package includes an overhauled machine upgraded to 1/2," new custom Ferrite 1/2" 2-track heads, and electronics modifications and calibration to +6 operating level. Tape speed is a cost effective 15 ips with frequency response from 25-20k Hz and beyond.
249 Kennedy Road
Greendell, NJ 07839
973/579-5773; Fax 973/579-6021
www.jrfmagnetics.com

Vivastar CD-R Media

Initial disc products available in the U.S. from Vivastar include CD-R (650 MB, 74 min. and 700 MB, 80 min., both 2x-16x compatible) and CD-RW (650 MB, 74 min. 1x-4x compatible) varieties. For the high-end user, two CD-R audio products (650 MB, 74 min. and 700 MB, 80 min., both 1x-8x compatible) are offered that are compatible with Philips International's professional-grade audio CD technology. The MSRP for the CD-Rs is $15 for a 50 pack; $6 for a 10 pack.
310 South Street
Plainville, MA 02762
508/699-2211
www.vivastar.com

Test Equipment

Audio Precision ATS-2

The ATS-2 is a 30kHz PC-based audio test and measurement system. The system provides design engineers with Audio Precision quality and performance at an affordable price. Analysis capabilities include both Harmonic and Multitone analysis. A Performance option is available that increases the bandwidth to 120 kHz and includes complete Digital Audio Interface tests, including waveform display and eye pattern tests. Priced from $9,995.

Audio Precision System Two Cascade Plus

The System Two Cascade Plus is a PC-based high-performance audio test and measurement system. Cascade Plus is a performance enhancement to the award-winning System Two Cascade, with greatly increased FFT acquisition memory. A new Serial Interface Adapter with full soft programmable operation is available as an option. Additional improvements include nth octave smoothing on FFTs and MLS. Priced from $21,900.
5750 SW Arctic Drive
Beaverton, OR 97005
503/627-0832; Fax 503/641-8906
www.audioprecision.com

Furman Confidence Monitors

MS Series Confidence Monitors assure that analog audio, digital audio or video signals are present and meet quality standards before being broadcast, recorded or distributed. All feature high-output mag-shielded speakers; wide-range, high-visibility, 14-segment meters with dimmer and VU/PPM switch; selectable +4/+8dBu meter reference; headphone amp; phase indicators; signal present indicators on I/O ports; Speaker Mute switch, volume and balance controls; and universal 100-240VAC power supply. $1,049-$1,999.
997 S. McDowell Blvd.
Petaluma, CA 94954
707/763-1010; Fax 707/763-1310
www.furmansound.com

Neutrik Test Instruments Digilyzer

The Digilyzer DL1 handles virtually all digital audio formats including ADAT and 96 kHz. Simple and intuitive operation to monitor, analyze and troubleshoot any digital signal. Features: consumer/professional, 8 to 24-bit input in AES3, S/PDIF co-ax or Toslink and ADAT formats; sampling frequency 32 to 96 kHz; monitor speaker, event logger and handheld operation with three AA battery powering. Tests include: digital signal analysis (Level-FS, Level-RMS, THD+N, Signal Frequency, Frequency Sweep, PPM, CRC, Overload Detection, Full-Scale Detection, Scope) and carrier analysis (sampling frequency, level).
3520 Griffith St.
St-Laurent, QC, Canada H4T 1A7
800/661-6388; Fax 514/344-5221
www.nt-instruments.com

Peterson Electro-Musical VS-1

The VS-1 Virtual Strobe Tuner is the ultimate battery-operated, handheld instrument tuner with exclusive Virtual Strobe Technology Smooth instantaneous response, accurate to 1/10th cent, pre-programmed standard and non-standard tempered tunings, fast, easy-to-use, 9-octave line out tone generator, large note display, automatic or manual operation. Perfect for the checking, setting up and tuning of all instruments where accuracy is vital. Retail: $329.
11601 South Mayfield Avenue
Alsip, IL 60803
708/388-3311; Fax 708/388-3341
www.petersontuners.com

TEF Soundlab Polar ETC Software

Gold Line's TEF Soundlab Polar ETC Windows software utilizes TDS Energy Time Curve data to determine the direction of origin of reflections. The ETC program quickly displays the direction and supplies the coordinates for a laser pointer. The basic model is SLPET50—supplied with mic stand and mic positioning arm—and is $495. The $795 Polar ETC Kit (model number SLPETkit) is supplied with mic stand, positioning arm, cardioid mic, laser pointer and hard carry case.
Box 500
West Redding, CT 06896
203/938-2588; Fax 203/938-8740
www.gold-line.com

Wireless Products

Future Sonics "Future Sonics Ears"

A new-generation, universal-fit personal monitoring earphone offering outstanding dynamics, natural sound and low frequency response while being priced to be affordable for all performers. Also available packaged with the Sennheiser Evolution Wireless 300 as a complete system. A perfect "stepping stone" to custom earphones. Response: 40-20k Hz; sensitivity: 118 dB; impedance: 32 ohms; isolation: approximately 25 dB; connector: standard 3.5mm (1/8") stereo gold plug; color: neutral flesh tone; list price: $198; and accessories and additional items also available including a custom mold for this product.
Box 187
Pineville, PA 18946-0187
215/598-8828; Fax 215/598-8827
www.futuresonics.com

Mipro MR-S00 Series

Now distributed by beyerdynamic North America, the Mipro MR-500 Series of pro VHF and UHF wireless are frequency agile, PLL synthesized, true diversity systems featuring half-rack receivers with dual-squelch, Pilotone and Noiselock circuits to eliminate interference. A full line of handheld, lavalier, instrument and headworn mics are available.
Dist. by: beyerdynamic
56 Central Avenue
Farmingdale, NY
11735
631/293-3200; Fax 631/293-3288
www.beyerdynamic.com

Sabine SWM-S000

Sabine's SWM-5000 True Diversity 2.4GHz Spread Spectrum technology allows 50 units to operate within a single location, using the globally accepted, 2.4GHz band that's clear of new DTV frequencies. SWM-5000 available in 1- and 2-channel models; includes FBX Feedback Exterminator, compressor/limiter, intelligent de-esser, Mic SuperModeling (digital mic capsule emulation) and Tireless Wireless (extended battery-life circuit, re-chargeable NiMH batteries and charge inputs on all transmitters). Systems are available with handheld, lavalier or headworn microphones.
13301 Highway 441
Alachua, FL 32615
386/418-2000; Fax 386/418-2001
www.Sabine.com

Sennheiser SKP 30

The SKP 30 Miniature Plug-On Transmitter plugs into the output jack of any passive or phantom-powered mic for wireless performance. Features include: PLL technology, Sennheiser's patented HiDyn Plus noise-reduction system, sturdy die-cast construction, robust transmission characteristics, and the flexibility of having 16 pre-programmed, PLL-controlled frequencies that are scientifically chosen from 1,280 user-accessible frequencies within its operating range. Compatibile with Sennheiser's acclaimed 3000 and 5000 Series receivers.

Sennheiser RS4S/6S/8S

RS Series of wireless headphones have a high-fidelity, circumaural headphone with Sennheiser's Open-Aire design, an integrated RF receiver with Center-Lock auto-tuning and a separate transmitter (to drive any number of headphones). This new auto-tuning wireless system debuts an exclusive technology that delivers accurate, drift-free tuning and builds upon the success of its predecessor, the RS 60, adding the SRS processor, which turns the headphones into a viable surround sound delivery system. Price: (RS45/65/85) $139.95, $209.95, $289.95.
1 Enterprise Drive
Old Lyme, CT 06371
860/434-9190; Fax 860/434-1759
www.sennheiserusa.com

Other

APT WorldNet Milano

WorldNet Milano is a full duplex, multichannel audio codec offering both fixed line and ISDN connection. It incorporates both Standard and Enhanced apt-X, ensuring backward-compatibility with previous APT products and comes with optional SMPTE timecode. Audio bandwidths are available from 10-22.5k Hz with corresponding synchronous bit rates from 56kbit/s to 576kbit/s (512kbit/s ISDN). Enhanced apt-X offers 16, 20 and 24-bit sampling operation, and increases both stereo and mono audio channel performance. Price: $6,250 with timecode.
Dist. by Ednet
One Union Street
San Francisco, CA 94111
415/274-8800; Fax 415/274-8801
www.ednet.net

Biomorph Maxo Desk

The Biomorph Maxo desk is an ergonomically designed, height-adjustable editing station that can accommodate up to four monitors and other equipment, has electric height-adjustment and is just about the coolest-looking piece of furniture you will ever see.
11 Broadway, #1010
New York, NY 10004
212/809-4323; Fax 212/809-4324
www.biomorphdesk.com

Black Audio Devices CAS-S

The CAS-5 Audio Switcher allows you to switch between two blocks of eight balanced audio channels, using extremely flexible logic. It can be used for line-level speaker selection and muting, as well as many other functions.
Box 106
Ventura, CA 93002-0106
805/653-5557
www.blackaudio.com

Coleman Audio M3PH DAW Monitor

The M3PH is a control room monitor module in a 1-space rackmount enclosure. It has four stereo inputs, three alternate speaker outputs, a passive-stepped attenuator that tracks to 0.05 dB, a mono sum to check phase, left/right mute switches, and a headphone output and level control. All inputs and outputs are balanced on XLR connectors. Designed to work with any workstation as an alternative to a small mixer for monitoring.
81 Pilgrim Lane
Westbury, NY 11590
516/334-7109; Fax 516/334-1420
www.colemanaudio.com

Denon Electronics DN-V200X

This solid-state audio/video playback device features support of MPEG-2 video playback with DVD quality; MPEG audio playback; 10T/100 Ethernet connection; RS-232C/RS-422A serial port; GPI contact interface; script playback list support; PCM-CIA, CFI, CFII and microdrive compatibility; optional internal HDD; and a one-rackspace chassis.
19 Chapin Road, Building C
Pine Brook, NJ 07058
973/396-0810; Fax 973/396-7459
www.denon.com

Ear Q Technologies Ear Q

The Ear Q Reference Hearing Analyzer is a complete hearing self-test system that includes custom high-attenuation dynamic headphones, Calibrator and Ear Q software. Software is used by NASA on the ISS. System allows you to evaluate your hearing sensitivity from 63-20k Hz and keep track of changes in your perception such as Temporary Threshold Shift. Software stores and displays results, and calculates suggested EQ settings for 80 and 95dB mix levels to compensate for tested hearing characteristics. Price: $199 from www.earq1.com. Every engineer should have one!
Box 6654
San Rafael, CA 94903
415/479-7339; Fax 650/558-6689
www.earq1.com

Earthworks Sigma 6.2

The Sigma 6.2 is a precision soundfield reproduction system. The same principles of accuracy in the time domain and fast, clean impulse performance, which led to Earthworks mics with their reputation for realism, when applied to the playback transducer yields unparalleled realism. We can put the sound and music back into the air with the life still in it. This is a must hear! Frequency response is flat to beyond 40 kHz and correlated accurately with the bass. Price: TBA (around $3k per pair).
Box 517
Wilton, NH 03086
603/654-6427; Fax 603/654-6107
www.earthworksaudio.com

Funk Logic Exotic Hardwood Rack Panels

Fill your empty rackspaces with our beautiful, exotic cocobolo hardwood rack panels. Extremely vibrant color and grain properties. Fine sanded, lacquer finished. One-time run: limited quantities! List prices: 1-space panel, $49.95; 2-space panel, $59.95.
2365 Oak Ridge Way
Vista, CA 92083
760/305-6213
www.funklogic.com

Martinsound MonitorMAX

The latest addition to Martinsound's growing line of MAX multichannel monitoring solutions, the MonitorMAX Stereo Monitor Controller adds multiple stereo source monitor selection and talkback capabilities to multiroom production environments, as a stand-alone or with the MultiMAX EX Multiformat Monitor Controller. Ten stereo sources may be selected to separate cue and monitor outputs. A third stereo output may feed MultiMAX or a pair of external meters. A talkback microphone preamp is included. List: $2,195.

Martinsound PanMAX

The PanMAX Automated Surround Panner allows users to make sophisticated and repeatable dynamic sound motion and parameter changes in any type of audio production. Offering eight outputs as standard and expandable up to 16 input channels, PanMAX is configurable with a single or multiple remote controllers. Each remote provides automated control of divergence, stereo width and surround panning through three faders and a joystick. SMPTE-lock permits frame-accurate replay of the recorded movements. Basic system: $3,600.
1151 West Valley Boulvard
Alhambra, CA 91803-2493
800/582-3555 ext. 121; Fax 626/284-3092
www.martinsound.com

Music Row Technology Studio-Q

Studio-Q provides the ability to deliver four independent stereo mixes to individually amplified headphone stations with unprecedented audio quality. The master power supply/audio distribution unit houses one stereo amplifier and powers up to 12 remote stations. A rotary switch on each station selects between four available mixes. Specs: 40 watts per channel; signal to noise: >95 dB; frequency response: 20-20k Hz (±0.25 dB); minimum load: 4 ohms. Master, six stations, stand adapters and cables: $2,995.
600 West Iris Drive
Nashville, TN 37204
615/385-1613; Fax 615/385-1614
www.shopmrt.com

Nightingale Voice Box Vol. 3

Continuing in the "Voice Box" tradition, this comprehensive CD features over 750 vocal production elements of "Just Kids & Babies." You'll find laughing, crying, screaming as well as great stereo location ambiences such as swimming, skating, tobogganing, parks and schools. There is individual and group singing, nursery rhymes, talking, plus the very popular "Words & Phrases" section with 35 tracks of kids being funny, whiny and simply adorable. A must have! List: $129 U.S.
5460 Yonge St., Suite 1004
Toronto, Ontario, Canada M2N 6K7
416/221-2393; Fax 416/221-2676
www.NightingaleMusic.com

Omnirax OmniDesk Suite

This ergonomic workstation consists of four components working in concert to provide an ideal creative environment for audio/video editing: OmniDesk, KSOM Computer Keyboard/Mouse Shelf, OM13 (L or R) and OM13D (L or R). The OmniDesk's flowing lines place both rackspaces (29 total) and monitors in ergonomic comfort. OM13 houses 13 spaces of additional gear; OM13D has 13 spaces and a compartment for the CPU, all behind a door. Overall dimensions: 35.5x58x130" (HxDxW). Retail: $2,000 to $2,390. (Components may be purchased separately.)

Omnirax F2

Nominated for a TEC Award, the F2 puts your keyboard, mixer and monitors right where you want them! The desk is designed to hold an 88-note workstation controller keyboard, with 56 rackspaces for gear and a sliding computer keyboard shelf—all within easy reach. Two heavy-duty sliding shelves allow mixers and video monitors to pull forward together or independently. F2 is available in Melamine laminates or Melamine with a choice of Formica work surfaces. Dimensions: 42.1x52.8x104.3" (HxDxW). MSRP: $3,200 to $3,800.
Box 1792
Sausalito, CA 94965
415/332-3392; Fax 415/332-2607
www.omnirax.com

Parasound D-1 Disc Player

Reference-quality audio/video disc player. Plays CD, CD-R, CD-RW, DVD, DVD-A, CD-Text, CD-V, MP3. Unit also contains an internal Web server, Silicon Graphics line doubler/quadrupler/scalar and three-video pipeline multiplexer. Eight audio outputs on XLR and two sets of video outputs on BNC, DVI and RGB. Front panel TFT/LCD display. Retail: $5,000 each.
950 Battery Street
San Francisco, CA 94111
415/397-7100; Fax 415/397-0144
www.parasound.com

Per Madsen Design
Dolly 19PC Tower, File 19-25

Dolly 10PC Tower for computer towers and workstations. 30x46x4"; $110. File cabinet 19-25 for hanging file folders. Two drawer: $330 ($365 with optional oak front), 20.75x16x25."
Box 882464
San Francisco, CA 94188
415/822-4883
www.rackittm.com

Rane Corporation DA 26
Distribution Amplifier

The Rane DA 26 distribution amplifier routes a mono program source and a priority page source to as many as six zones. An Automatic Gain Control (AGC) circuit featuring adjustable target level, ratio and attack/decay processes the program source. The priority/page input features automatic signal detection and remote zone assignment. Automatic 0 to -80dB program attenuation allows mic/line mixing, talk-over or priority replaces program operation. A built-in 24dB/octave Linkwitz-Riley crossover allows each output to route full-range highpass or lowpass program material. Additional features include automatic loudness compensation and ports for hard-wired remote level controls. Retail: $549.
10802 47th Avenue W.
Mukilteo, WA 98275
425/355-6000; Fax 425/347-7757
www.rane.com

Ripe Sounds, The Library

"Ripe Sounds, The Library" is a 6-CD set of sound effects created by award-winning sound effects artist Andy Newell. Providing you with a wide variety of sounds not found in any other collection. Including some of the most disgusting stomach growls, burps, etc. List price for the entire set: $360. Individual CDs are $70.
930 Irwin Street, #211
San Rafael, CA 94901
415/259-0909; Fax 415/259-0998
www.ripesound.com
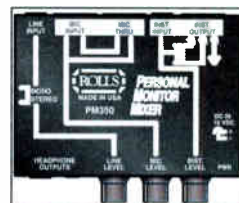
Rolls PM350 Personal Monitor Mixer

The PM350 mixes a stereo or mono line-level monitor signal with a microphone level signal and instrument level signal to a 1/4" or 1/8" headphone output for personal monitor mixing. The mic input has a hardwired pass-through jack. The instrument input, along with being mixed with the mic and line inputs, connects to a balancing transformer and output via an XLR jack. Retail is $99.99.
5968 South 350 West
Salt Lake City, UT 84107
801/263-9053; Fax 801/263-9068
www.rolls.com

Signal Transport MPS-Rack1-SD

Swing-down 19" rackmountable adapter frame: The 19" rackmount frame is used to adapt our Modular Panel System (MPS) panels to a 19" rack unit, which can be opened (swung down) from the front to ease installation and/or service/maintenance. It requires 4RU (7") of height in a standard 19" rack and provides 19 MU (16.625") of MPS panel space. Price: $130.
8 Hammond Drive, Suite 104
Irvine, CA 92618
949/859-9615; Fax 949/859-9616
www.sigt.com

Simon-Kaloi Engineering SLAM-2000

The SLAM-2000 is an 8-channel solid-state CD audio-quality audio record/playback system that includes DMX-512 lighting and animation control, Ethernet and two other serial interfaces, and a complete set of PC-based software tools. The integration of multichannel audio, lighting and character animation make it perfect for museums, themed attractions and interactive exhibits.
2985 East Hillcrest Drive, #204
Thousand Oaks, CA 91362
805/777-1084; Fax 805/777-1186
www.skeng.com

Sonomic Online Library

Sonomic provides instant access to the world's largest online library of professional samples and sound FX. Sonomic currently has over 120,000 sounds, from such world-class sound providers as Zero-G, Q Up Arts, Valentino Sound Effects Library, Clack Sound Studios, Electronisounds and Doug Beck Music, among others. The Sonomic library is consistently updated and available 24/7 from any Internet-connected computer.
821 Broadway, 9th Floor
New York, NY 10003
877-SONOMIC; fax 212/763-6060
www.sonomic.com

Sound Devices, LLC HX-3

Compact stereo headphone amplifier for studio and field production. Includes three isolated headphone outputs with individual volume controls, ±15-volt audio rails for >120dB dynamic range and peak LEDs per output. Includes balanced XLR inputs or unbalanced 1/4" and 1/8" connectors. Loop-out feature enables linking multiple HX-3s. Battery (two AA) or external DC powered.
300 Wengel Drive
Reedsburg, WI 53959
608/524-0625; Fax 608/524-0655
www.sounddevices.com

Sound Ideas Crash & Burn

Here are two CDs that explode with 437 cataclysmic sound effects of both natural and man-made disasters: twisters, earthquakes, explosions & dynamite, fire balls, brush and forest fires, gas & chemical infernos, and incinerating cars. Tires squeal and cars crash, spin, skid, roll-over, tumble downhill & explode. Time bombs beep, tick & detonate. Buildings collapse and elevators crash to the ground.

Sound Ideas Thunder

The Thunder sound effects library will burst in to your productions with a compilation of more than 100 of the best thunder cracks, rolls and rumbles; including three-minute ambience tracks of both real and designed thunderstorms of varying intensity. Two CDs of heavy weather from Sound Ideas.
105 West Beaver Creek Rd.
Richmond Hill, Ontario, Canada L4B 1C6
905/886-5000; Fax 905/886-6800
www.sound-ideas.com

Stagetec Nexus Star

The Nexus Star audio router offers more routing complexity than ever before. It can be fitted with up to 16 I/O cards, each with 256 inputs and 256 outputs. This provides routing of 4,096 inputs to 4,096 outputs with more than 16 million possible crosspoints, all housed in a single six-rackspace unit. Traditional Nexus Base Devices, each fitted with various I/O cards as required by the client, can be connected via fiber-optic cables. With MADI interfaces, one can connect multitrack tape machines and the like directly to the system and from there to any other I/O in the system.
Industriegebiet See
Buttenheim, Germany D-96155
+49 9545 440300; Fax +49 9545 440333
www.stagetec.com

Telos Zephyr Xstream

Zephyr Xstream from Telos introduces MPEG 4 AAC-LD coding, the newest compression algorithm for Layer-3 audio quality with transmission times extremely low. The result of MPEG 4 AAC is superior quality to Layer-3! A transceiver specially designed for use with a single ISDN line or other low-bit rate transmission paths. Two-channel flexibility over a single ISDN circuit—or two synchronous links—can be used to transmit and receive 20kHz stereo audio to and from a single location.
2101 Superior Avenue
Cleveland, OH 44114
216/241-7225; Fax 216/241-4103
www.telos-systems.com

Z-Systems z-128.128r

The z-128.128r Digital Detangler Pro is a 128x128 AES/EBU crosspoint switch. The unit is modular and can be purchased and upgraded in 16x16 input/output blocks. Dedicated remote available. PC and Mac software available. Unit can also be controlled by other popular broadcast automation systems.
4641-F NW 6th Street
Gainesville, FL 32609
352/371-0990; Fax 352/371-0093
www.z-sys.com

ADVERTISER INDEX

World Radio History

Push It

THE NEW CE4000

NOMINEE

ATTENTION: CROWN'S CE 4000 IS THE MOST EFFICIENT PROFESSIONAL AMPLIFIER ON THE PLANET! THE CE 4000 COMBINES INNOVATION WITH LEGENDARY CROWN SOUND.

We asked our world-renowned Crown Audio Engineers to once again think outside of the box. And all they could come up with is the most efficient professional amp in the universe. Thanks to the CE 4000's scientific advancements, one 20-Amp circuit can now deliver 10,000 Watts of power! Combining Crown's patented BCA® technology with a Switch-Mode power supply allows the amplifier to draw just 8.5 Amps at peak while weighing in at only 34 pounds. Worldwide power capability is achieved thanks to on-board Power Factor Correction—a first at this price point. Crown's reputation for reliability, sonic purity, and innovation lives on in the new CE 4000. Contact us today for more info.

crown
THE PROFESSIONAL'S CHOICE
www.crownaudio.com or 800-342-6939

H A Harman International Company

World Radio History