Mix® 2002 AES New Products Guide

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Sony-ATV

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~Rick Austin
Technicolor

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dreamhire
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improper channels inc.
jeff balding
music cafe
new line cinema
paragon studios
peter krawiec
powerhouse productions
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PRODUCTS, TECHNOLOGY, INNOVATION...

Compared to the more sedate European shows held in the spring, the fall Audio Engineering Society conventions on this side of the pond r-o-c-k! True, it's hard to find fault with shows that require attendance in locales such as Amsterdam or Paris, but the Euro version is smaller and more broadcast-oriented. The USA conventions—such as this month's 113th AES in Los Angeles—are hipper, and feature a younger audience, better parties, fewer suits on the show floor and, best of all, a whole lotta exhibition going on.

To be sure, the economy ain't what it was three or four years ago, but it has significantly improved from over a year ago. As one possible indicator, the increased number of companies offering new products on this year's AES show floor is a portent of better times ahead. To give you a preview of some of those debuts, this 2002 AES New Products Guide contains more than 300 products that were announced (or started shipping) at AES 2002 or in the months just prior to the show.

Product launches tend to run in cycles. At last year's AES, the thrust seemed to be on high-performance analog recording products and mic preamps. At this year's, consoles have returned to the center stage, with new live boards from Allen & Heath, Audient, Cadac, Digico, Soundcraft and Yamaha. Upgrades that expand the capacity or feature sets of existing recording mixers have been announced by AMS Neve, Euphonix, SSL, Sony and Studer, while consoles catering to the expanding digital broadcast and post markets include new models from AMS Neve, Calrec, Euphonix, Harrison, SSL, Otari and Soundtracs. Subsets of the main console market are also strong: There are new high-end DJ mixers from Crest, Peavey and Rane; and new compact, DC-powered location ENG/EFP units from Kamesan, Sony and Sound Devices.

As in past years, microphones continue to be an area of considerable interest, with this AES expecting more than two dozen new mic debuts in every variety: large- and small-diaphragm, tube and FET, condensers, dynamics and ribbon models.

Whether you're attending this year's AES or stuck home holding down the fort, we hope this guide gives you a peek at some of what AES has to offer. Complete manufacturer contact information is included with the product listings so that you can visit company Websites or call for more detailed information. If you are attending AES, drop by the *Mix* booth (#2027) and say hello. And whether or not you make it to the show, look for expanded coverage of AES highlights at www.mixonline.com and in the November issue of *Mix*.

See you there!

George Petersen
Editorial Director

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THE MOST SUPERB SONIC DESIGN...

AE3000

AE5100

AE2500

FOR THE MOST ELITE VENUES

INTRODUCING THE NEW STANDARD IN LIVE AUDIO

AE2500

THE ULTIMATE KICK DRUM MIC

Revolutionary dual-element design (condenser and dynamic in a single housing) captures the complete sound of the kick drum. The dynamic element delivers the aggressive attack of the beater while the condenser captures the round tonalities of the shell.

AE3000

SUPREME PERFORMANCE AT EXTREME SPLs

Large-diaphragm condenser capsule combines with the open architecture of the headcase to provide an extremely accurate sound on guitar cabinets, toms, snare and overheads.

AE5100

THE DEFINITIVE LIVE SOUND INSTRUMENT MIC

Low-profile, large-diaphragm condenser delivers uncompromising sound quality for overheads, percussion, acoustic guitar, strings and other acoustic instruments.

Recent advances in the quality and sophistication of professional live-sound systems have been nothing short of revolutionary. Tours, clubs, broadcast events, corporate facilities and worship venues sound better than ever, utilizing better system design and better components in the audio chain.

That's why Audio-Technica has been partnering with industry professionals on the front line of this revolution — the top touring companies, award show designers, FOH and monitor engineers, audio consultants and artists — to learn what it takes to make the best-sounding, most reliable and consistent microphones for the live-sound industry.

We listened carefully. Then we applied this knowledge to the creation of a new line of high-performance microphones. Each model is designed to extend the performance of a sound system, not limit it.

Introducing the new standard in live audio: Artist Elite™

audio-technica.

Audio-Technica U.S., Inc. | 1221 Commerce Drive, Stow, OH 44224 | 330.686.2600 | Fax: 330.686.0719 | E-mail: pro@atus.com | www.audio-technica.com

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AC Power Products

Furman Sound Metered Six Series

The Furman Sound Metered Six Series of power conditioners is targeted toward the contractor/installation, sound reinforcement and music instrument (MI) markets. The Metered Six Series includes six models. There are 15-amp enhanced power conditioners: the PL-PLUSD, PL-PLUSDM and PM-8DM; the other three are 20-amp professional power conditioners: PL-PROD, PL-PRODM and PM-PRODM. All fit in standard 19-inch racks, and the front panels are made of black anodized aluminum. The unit's rustproof chromate-steel chassis provides positive ground connection.

Furman Sound Reference Series

The Reference Series of power regulators and conditioners is designed to control home audio electrical problems and deliver noise-free AC power. The Series includes the IT-Reference Discrete Symmetrical AC Power Source, the RA-1210 and 1220 Stable Power AC Line Voltage Regulator, and the RI-1210 and 1220 Isolated Symmetrical AC Power Conditioner. The IT-Reference Discrete Symmetrical AC Power Source is compatible with all analog and digital audio/video components, typically providing a 24 dB or greater reduction of AC line-induced noise.
1997 South McDowell Blvd.
Petaluma, CA 94954
707/763-1010; fax 707/763-1310
www.furmansound.com

SurgeX ICE 20H

This inrush current eliminator is cascadable and features a fixed-time sequencer and a NEMA enclosure. It is 20-amp-capable.

SurgeX ICE 20C

The ICE 20C inrush current eliminator is cascadable, offers a fixed-time sequencer, 20-amp load-capable handling, a rear-rackmountable design and an optional single-rackspace kit that holds two units.
6131-B Kellers Church Rd.
Pipersville, PA 18947
215/766-1240; fax 215/766-9202
www.surgex.com

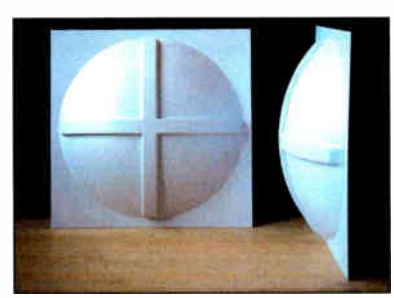
Acoustical Materials

Acoustical Solutions SoundSuede Wall Panels

SoundSuede™ Fabric-Wrapped Wall Panels fill your acoustical and aesthetic needs with their strong sound-absorbing performance, durability and elegant appearance. These wall panels are wrapped in our SoundSuede fabric for noise reduction and reverberation control. Available in a wide variety of sizes, shapes and colors, SoundSuede Wall Panels allow you to create an effective sound control treatment that is distinctly appropriate for your environment. These panels come in standard or custom sizes, up to 4x10 feet, in thicknesses ranging up to 4 inches. They have a Class-1 fire rating and can be provided with various edge details and installation options.

Acoustical Solutions Alpha Resilient Isolation Clip

Achieve a high STC rating with new or existing wall, ceiling or floor construction. Use New Alpha Resilient Isolation Clips (ARSIC-1) in combination with our Audioseal Sound Barrier (AB10NR). Together, these two products will greatly improve your standard rating. The ARSIC-1 clip is typically only required on one side of an assembly. Seal all potential air leaks with non-hardening acoustical caulking (Audioseal Sound Sealant) to achieve the best sound transmission ratings.
2852 East Parham Rd.
Richmond, VA 23228
800/782-5742; fax: 804/346-8808
www.acousticalsolutions.com



Steven Klein's Sound Control Room Saturn Diffusor

Polycylindricals have been overshadowed by more complex diffusors, which cost more and produce frequency shift. Often, what is needed is a less costly, less "Q"-type diffusion. The polycylindrical shape of the Saturn diffusor offers a valuable tool to acoustic designers. It's 23.5x23.5x5 inches deep, and can be placed in a ceiling grid or to walls. Price: $49.99, in black or white.
14200 Ventura Blvd., Suite 101
Sherman Oaks, CA 91423
818/788-1238; fax 818/788-1442
www.soundcontrolroom.com

WhisperRoom SE 2000 Series Options

Designed for recording, broadcasting and music practice, WhisperRoom sound-isolation enclosures are available in 19 sizes and two levels of isolation. The newest option for customizing the enclosures, SoundWave Deflection Systems are available for the interior of all SE 2000 Series WhisperRooms. By attaching a series of SDS deflector panels to two perpendicular interior wall surfaces, parallel walls are converted to non-parallel to control reflections and prevent resonant frequencies.
116 S. Sugar Hollow Rd.
Morristown, TN 37813
423/585-5827; fax 423/585-5831
www.whisperroom.com

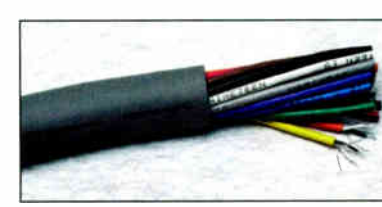
Connectivity

Frontier Design Group Apache

This rackmount, 12-port optical patchbay features an independent precision PLL for each optical input, carefully reclocking all incoming ADAT (or S/PDIF Toslink signals). Easy-access routing controls mean no menus to navigate. With Apache, you can route an input to one or more outputs; store/recall 12 complete routing setups (or any number via MIDI SysEx); and expand the system via multiple Apaches. Retail: $799 ($649 direct from manufacturer).
199 Heater Rd.
Lebanon, NH 03766
603/448-6398; fax 603/448-6398
www.frontierdesign.com

Gefen ex-tend-it USB-500

Gefen's ex-tend-it USB-500 extends USB peripherals up to 1,650 feet from the operating computer, using a fiber-optic transmission system. Price: $949.
6265 Variel Ave.
Woodland Hills, CA 91367
818/884-6294; fax 818/884-3108
www.gefen.com



Gepco SS2624GFC

Gepco International is expanding the 5526GFC Series of 110-ohm AES/EBU digital audio multipairs to include the 24-pair 552624GFC. The 552624GFC features an exacting 110-ohm impedance, low jitter and attenuation, ease of termination, and flexibility. Pair construction consists of two stranded 26-gauge conductors, foam polypropylene insulation, 100% foil shield with drain wire, and color-coded/alphanumerically numbered PVC jacket. The outer jacket is Gepco's extra-flexible GEP-FLEX compound. The 552624GFC is rated UL-type CM.
1770 Birchwood Ave.
Des Plaines, IL 60018
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www.gepco.com

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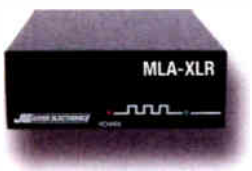
309 Power Ave.
Hudson, NY 12534
800/999-4283; fax 518/828-2008
www.haveinc.com

Hosa FXT-401 FireWire Extender

The FXT-401 FireWire extender ($950) allows data transfer to 165 feet at 100 mps or 66 feet at 200 mps between a pair of IEEE1394-1995, 1394-a2000 compliant interfaces. It uses 6-pin 1394 I/O and SMI jacks with proprietary FEX Series cables ($125 to $250).

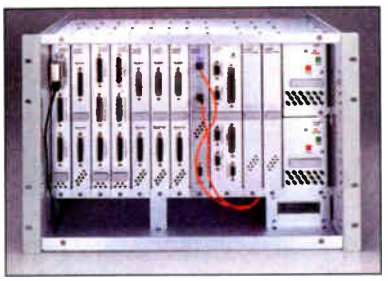
Hosa D-subs

Hosa's new D-sub cables include the DBD Series for analog audio, HD I/O or SMPTE surround in 1.5- to 15-foot lengths ($19 to $55); and the DES Series, wired for standard pin AES/EBU in 5- to 15-foot lengths ($34 to $80).
6920 Hermosa Circle
Buena Park, CA 90620-1151
714/736-9270; fax 714/522-4540
www.hosatech.com



JLCooper MIDI Line Amplifier

Used in a pair (transmit and receiver $199.95/each), the MLA-XLR system extends the range of MIDI cables to over 1,000 feet, using standard, balanced audio XLR cables. No configuration is required, and these interface with other MLA-1 and MLA-10 units in a network application. No wiring necessary. Size: 4.25x4.7x1.6 inches. Weight: 3 lbs.
142 Arena St.
El Segundo, CA 90245
310/322-9990; fax 310/335-0110
www.JLCooper.com



Logitek Audio Engine

The Audio Engine digital audio crosspoint router accepts both analog and digital inputs and can output audio in analog or digital formats. In addition to standard crosspoint routing capability, the Audio Engine can mix and sum signals and perform various processing functions. A single Engine will handle up to 64x64 AES inputs/outputs; up to 32 Engines can be linked for large applications. See us at AES booth #1337.
5622 Edgemoor
Houston, TX 77081
713/664-4470; fax 713/664-4479
www.logitekaudio.com

Zaolla 75W BNC and S/PDIF Cables

Zaolla cables offer superior digital transfer with less jitter at faster rates and longer S/PDIF runs than OFC copper. The 75W Series ZWDC (BNC) and DCR (S/PDIF) are built using solid silver (Ag) conductor, FPE foam, OFC shield, silver-plated braided copper, PTFE tape, and dual layers of high-flex matte jacketing.

Zaolla 110W ZAES AES Cable

Zaolla offers superior digital transfer with less jitter at faster rates, and longer AES runs than OFC copper. The 110W ZAES (AES) uses paired silver conductors, PE dielectrics, PTFE tape, solid silver-braided shield and dual layers of matte jacketing.
Dist. by Hosa Technology Inc.
6920 Hermosa Circle
Buena Park, CA 90620-1151
714/736-9270; fax 714/522-4540
www.hosatech.com

Z-Systems OptiPatch+ Matrix Audio Router

The OptiPatch+™ accommodates 15 sets of either optical 8-channel ADAT Lightpipe or optical 2-channel S/PDIF ports, for a total I/O capacity of 120 asynchronous 24-bit digital channels at multiple sample rates. Users simply connect rear panel inputs and outputs to digital audio sources and destinations, press a single front panel button and the patch is made. Up to 99 I/O crosspoint routing patterns can be stored and recalled by the unit. End-user price: $999.

Z-Systems Detangler Pro Audio Router

The Detangler Pro™ z-256.256r accommodates up to 256 stereo/2-channel inputs, routing in any combination to a total of 256 outputs. Asynchronous sources and destinations can be either 24-bit AES/EBU or S/PDIF format, at sampling rates to 192 kHz and beyond. I/O crosspoint assignments are selectable via a dedicated serial port, using either the firm's dedicated hardware remote or networked Mac and Windows control software. The z-256.256r is modular in increments of 16x16. Pro-user price: $49,000.
4641-F N.W. 6th St.
Gainesville, FL 32609
352/371-0090; fax 352/371-0093
www.z-sys.com

CD/DVD Duplicators/Recorders

Disc Makers Elite 1

Disc Makers introduces the Elite line of CD and DVD replicating systems. The Elite 1 offers full-service disc duplication and printing. It features an industry-leading 125-disc input; an onboard, 1,200 dpi, full-color inkjet printer; and Padus DiscJuggler software. And it can be upgraded to include a second drive. The Elite 1 can duplicate and print at least 12 CD-Rs or two DVD-Rs per hour. The system retails for $3,990 for CD, or $4,790 with DVD-R.

Disc Makers Elite Pro 1

The Elite Pro 1 CD-replicating system is a full-service disc duplication and printing system. It features 125-disc input; an onboard, 1,200 dpi, full-color inkjet printer, and Padus DiscJuggler software. It can be upgraded to include a second drive. The Elite Pro 1 also has a built-in, Intel-based PC for turnkey duplication right out of the box. Available in CD or DVD models, the Elite Pro 1 retails for $4,790 with CD, or $5,790 with DVD-R.
7905 N Route 130
Pennsauken, NJ 08110
800/468-9353; fax 856/661-3450
www.discmakers.com/duplication

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ADVERTISEMENT

BRYSTON POWER WITH PMC DETAIL

PMC DB-1: THE COMPACT REFERENCE

PMC's DB-1 monitor is the world's smallest transmission-line design, with an effective line length of 5 feet. This tiny, heavily damped cabinet offers outstanding dynamics, exceptional sound staging, and a depth of bass that suggests a loudspeaker of dramatically larger proportions. The DB-1 is ideal for all channels in a surround system or inclusion within a surround system consisting of PMC's TB-2 and TLE Active Subwoofer, as the DB-1 has been engineered to provide identical tonal balance and dispersion characteristics, producing a seamless image. The DB-1 combines a 5-inch, cast magnesium frame woofer with a phase-corrected, Ferrofluid-cooled, 1-inch aluminum alloy tweeter. Usable frequency response is 45 Hz to 25 kHz.

PMC's transmission-line technology offers the following advantages over a standard loudspeaker:

- Neutral and dynamic balance
- Lower coloration
- Lower distortion
- Fast, accurate, and extended bass at all levels
- Higher power handling without distortion or compression
- Easy to drive

Great lengths are taken at every stage of construction to ensure that every pair of PMC monitors are matched. The components are electrically tested, measured and recorded so that true partnering can be achieved. This obsession with recording and matching is all-important to create a pin-sharp, stable image.

One needs to look no further than the many world-class facilities and artists that have chosen PMC and Bryston products for their monitoring needs. Whether it be for music, film or post-production, PMC builds a loudspeaker for every application. The monitor systems highlighted in the studio photo are the PMC AML-1 Active near-fields, a two-way design featuring Bryston active electronics with a usable frequency range of 30 Hz to 25 kHz. The large main system is PMC's BB-5 active monitoring system featuring a usable frequency range of 17 Hz to 25 kHz with a maximum SPL of 136 dB.

BRYSTON AMPLIFIERS: POWER AND PURITY

Bryston Ltd. is pleased to expand its line of acclaimed, no-compromise studio power amplifiers with the launch of its new 3B SST, 4B SST and 7B SST Series. These amplifiers are the direct result from the overwhelming response of top studio and audiophile users to our new 14B SST, 6B SST and 9B SST power amplifiers.

New SST Series features include:

- All new output devices
- 20% more output power
- Lower noise and distortion
- Increased power-supply capacitance
- Ultra-low-noise power transformers
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- "Electronic" soft-start power switch
- New rear panel circuit breaker switch
- Quick-connect remote 12-volt trigger
- Sensitivity gain switch on both single-ended (RCA) and balanced (XLR) inputs
- All-new, front panel design

Along with the new fuseless design, the SST line boasts over 100,000 MFD of filter capacitance per channel, a distortion figure of less than 0.007% from 20 Hz to 25 kHz at full output, and a noise floor of greater than 112 dB. These changes and improvements are the most significant and comprehensive in the long and distinguished history of Bryston amplifiers. They improve on virtually every aspect of the award-winning ST design.

Please stop in for a listen at booth #1215 at the 2002 AES Convention in Los Angeles. Visit Bryston and PMC products at www.bryston.ca. ■

BRYSTON

Bryston Ltd.
677 Neal Drive
Peter Borough, Ontario
Canada K9J7Y4
705/742-5325
Fax: 705/742-0882
www.BRYSTON.CA

World Radio History

HHB CDR 830 BurnIT Plus

HHB's BurnIT Plus CD recorder features balanced XLR analog inputs and outputs, with line/mic-input gain switching, balanced AES/EBU-compatible XLR digital input and output, word clock input and parallel remote input. Like the CDR 830, the 830 Plus features digital record gain and balance control, precision 24-bit converters, RCA analog I/O, coaxial and optical S/PDIF digital I/Os, and CD-Text as standard. An onboard sample-rate converter accepts frequencies from 32 to 48 kHz. MSRP: $649.
743 Cochran St., Bldgs E & F
Simi Valley, CA 90365
310/319-1111; fax 310/319-1311
www.hhbusa.com

LaCie DVD Rewritable Drive

LaCie's DVD Rewritable Drive lets users record and share digital content on CD or DVD media. Encased in the new d2 design, LaCie's DVD Rewritable Drive can be positioned horizontally on the desktop, stacked in a separate desk rack or mounted in standard 19-inch racks. This multimedia drive is ideal for archiving digital audio and video, audio/MP3 compilation and personal backup. List price: $469.
22985 NW Evergreen Parkway
Hillsboro, OR 97124
503/844-4500; fax 503/844-4508
www.lacie.com

Primera Technology Bravo

The Bravo CD/DVD duplication/printing system copies and prints 25 discs per job hands-free. It's available with one 40x CD-R drive or a DVD-R/CD-R combination drive that records DVDs at 2x and CDs at 8x. A 2,400 dpi printer creates full-color, photo-quality images directly onto the disc's surface. A robotic picking arm transports discs for complete unattended operation. CD version: $1,995 (MSRP); DVD version with Pioneer DVD-R/CD-R is $2,495.
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 RAID-based Master CD duplication system, available in eight-bay and four-bay configurations for cutting multiple master-quality 1x CDs, as well as high-speed duplication. Features include on- and offline operation, and a built-in hard drive. In Online mode, the system can write CDs directly from the host SADiE DAW system; an Offline mode allows making CD copies without the need for a computer.
475 Craighead St.
Nashville, TN 37204
615/327-1140; fax 615/327-1699
www.sadie.com

Computer Peripherals

Digigram Mac OS X Drivers

The Mac OS X drivers for Digigram's VXpocket v2, VXpocket 440 and VX222 sound cards present new options for Mac audio and audio-for-video applications. The VXpockets can perform serious audio production on laptop computers by offering excellent audio quality, plus compatibility with most audio applications under both Mac OS and Windows. The VX222 is popular with users of Mac-based video applications because of its reliability and professional analog and digital audio interfaces.

Digigram VX442 Sound Card

Part of Digigram's popular VX Series, the VX442 is ideal for high-quality multichannel recording/audio production, with its four/four balanced line I/Os, additional stereo AES/EBU I/O, 96kHz 24-bit converters and low-latency architecture. The VX442 supports a large number of Windows and Mac platforms, featuring a comprehensive set of Windows drivers and Mac OS drivers, making it a versatile solution for multiple environments.
2101 Wilson Blvd., Suite 1004
Arlington, VA 22201
703/875-9100; fax 703/875-9161
www.digigram.com

Edirol UA-20 USB Audio & MIDI Interface

This compact, but powerful USB audio and MIDI interface features 24-bit AD/DA resolution, with two ?-inch line/guitar/mic inputs, stereo RCA outputs, S/PDIF optical out and MIDI In/Out. Retail is $225.

Edirol UA-700 USB Audio Capture Device

High-quality 24-bit/96kHz USB audio interface with built-in COSM™ guitar and microphone modeling, two XLR mic/line inputs with phantom power, phono preamp and MIDI In/Out.
425 Sequoia Drive, #114
Bellingham, WA 98226
360/594-4273; fax 360/594-4271
www.edirol.com

ESI Waveterminal 192M

The ESI (Ego Sys Inc.) Waveterminal 192M is a 24-bit/192kHz PCI card interface with a breakout box hosting two mic/line inputs, two line inputs and eight analog outs. The two mic ins have 12V phantom power. Two headphone outputs are standard, as are S/PDIF coaxial and optical outputs. The unit supports ESI's exclusive DirectWire feature, allowing the user to patch audio digitally between software programs. Also supported is ESI's powerful E-WDM driver for perfect compatibility with Windows XP/2000/ME/98SE, offering low-latency performance with all popular digital audio software applications.

ESI EX-8000

This 8-in/8-out 24-bit/192kHz interface is housed in a two-rack-space unit that connects to a PCI card via a FireWire (IEEE1394) connection. The PCI card has four ports and can support four racks, letting users utilize 32 inputs and outputs simultaneously. Features include eight studio-quality, discrete XLR mic preamps (line/mic switchable) with 48VDC phantom power. The EX-8000 supports ESI's powerful E-WDM driver for perfect compatibility with Windows XP/2000/ME/98SE, offering low-latency performance with all popular digital audio applications.
3003 North First St., Suite 303
San Jose, CA 95134
408/519-5774; fax 408/519-5786
www.esi-pro.com

Gefen Inc. ex-tend-it ADC Switcher

Switch between two computers (DVI, USB and audio signals) using a single ADC flat panel display with Gefen's ADC Switcher. Specs: video connectors: Type DVI-I; audio-input connector: mini stereo; USB input connectors: Type "B"; audio output connector: mini stereo; USB output connectors: Type "A"; Dimensions: 1.75x8x4 inches (HxWxD). Price: $499.
6265 Variel Ave.
Woodland Hills, CA 91367
818/884-6294; fax 818/884-3108
www.gefen.com

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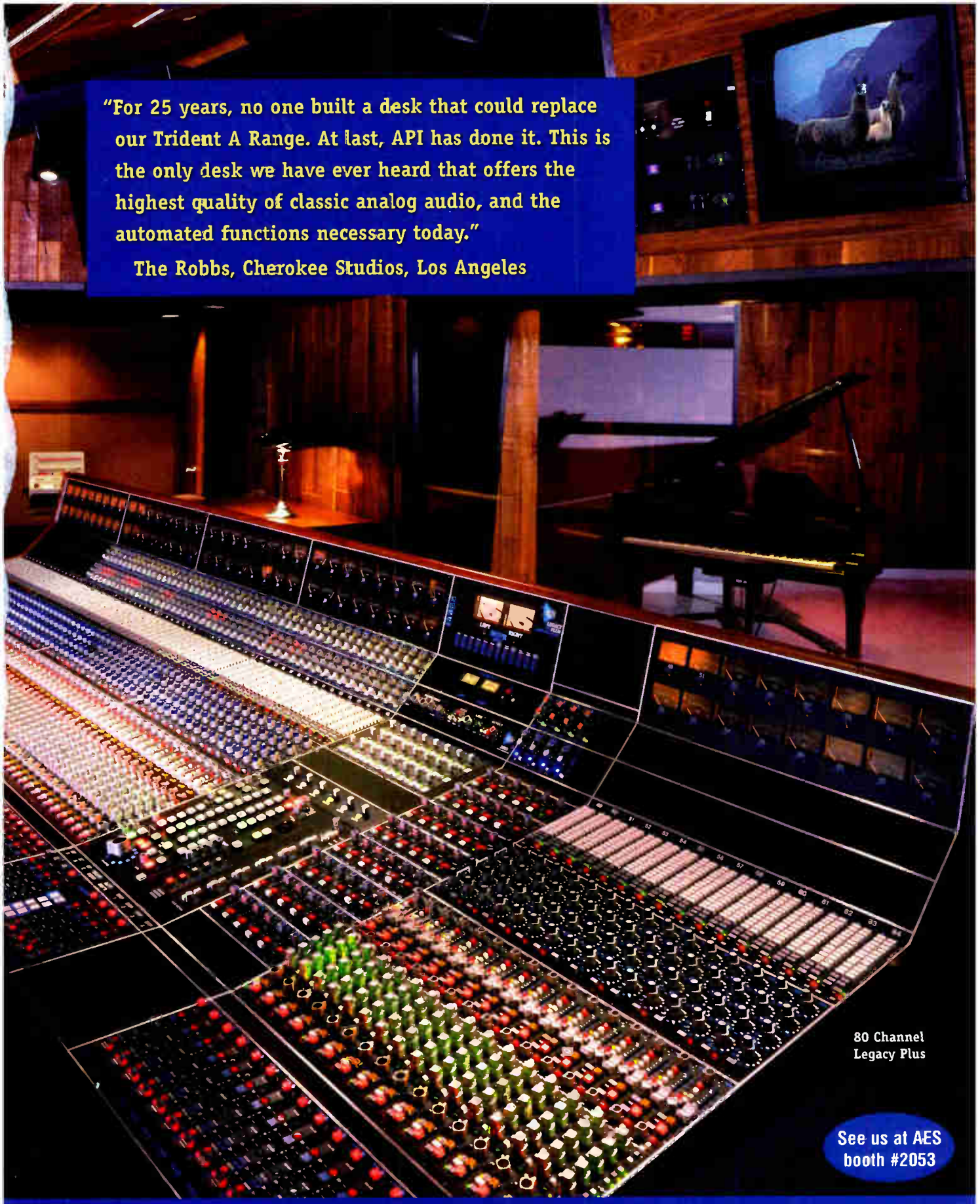

For bookings of the Legacy Plus at Cherokee Studios
323_653_3412 or www.cherokeestudios.com

For info on ordering an API console for your studio
301_776_7879 or www.apiaudio.com

api

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there's no other choice.

API is an ATI Group company

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LaCie Hard Drive (d2)

The LaCie Hard Drive offers expanded storage with increased capacity, greater speed and revolutionary portability. Encased in the new d2 design, this drive lets you choose between desktop and rackmount use and delivers faster transfer rates to accommodate a variety of pro applications. The LaCie Hard Drive in the d2 design provides an attractive, functional, high-performance storage solution for graphic design, photo and digital video content. Price (120GB 7,200 rpm): $299.
22985 NW Evergreen Parkway
Hillsboro, OR 97124
503/844-4500; fax 503/844-4508
www.lacie.com

Lynx Studio Technology LS-ADAT

The LS-ADAT is an ADAT interface module for the LynxTWO and Lynx L22 professional PCI cards. Two Lightpipe inputs and outputs provide 16 channels at 48 kHz, eight channels at 96 kHz, and four channels at 192 kHz, using S/MUX. An ADAT sync-in port provides synchronization for sample-accurate transfers to computer-based DAWs. Price: under $300.

Lynx Studio Technology LS-AES

The LS-AES is a multichannel AES/EBU or S/PDIF interface module for the LynxTWO and Lynx L22 professional PCI cards. Four AES inputs and outputs provide eight channels at sample rates up to 96 kHz, and four channels at sample rates up to 192 kHz. Connections are transformer-coupled with pro-quality sample-rate conversion provided on all inputs. Two LS-AES modules can be used with each LynxTWO or L22 for increased channel capacity. Price: under $500.
1048 Irvine Ave., #468
Newport Beach, CA 92660
949/515-8265; fax 949/645-8470
www.lynxstudio.com

Roland UA-20 USB Audio/MIDI Interface

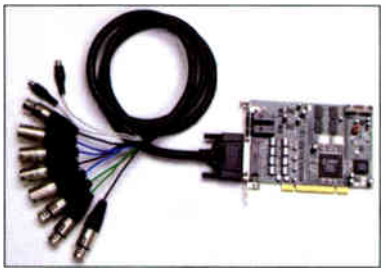
The UA-20 USB Audio/MIDI Interface brings portable 24-bit sound quality to your Mac or PC applications. Powered by USB, the UA-20 is a great choice for laptops, too. Connect your guitar, mic and line-level input and record with low-latency monitoring using the Direct Monitoring function. You also get fast and stable MIDI throughput, and compatibility with ASIO or WDM-compatible music software. There's even an S/PDIF digital output. Retail: $215.

Roland UA-700 Modeling USB Audio/MIDI Interface

The $595 UA-700 combines a high-resolution USB audio/MIDI interface with a built-in effects processor, making it a recording powerhouse. This flexible interface features mic, line and guitar inputs with 24-bit converters and low-latency monitoring, plus Edirol's lightning-fast MIDI transmission. Best of all, users can tap into Roland's acclaimed COSM™ guitar and mic modeling, plus a variety of studio-quality effects.
5100 S. Eastern Ave.
Los Angeles, CA 90040
323/890-3700; fax 323/890-3701
www.RolandUS.com

Rolls GCi404 Audio Computer Interface

The GCi404 combines an XLR mic input, a ?-inch instrument input and a group of stereo line inputs. The line inputs include RCA, ¼-inch and an RIAA-equalized RCA phono input. Each Input section has a level control. The unit mounts in a standard CD-ROM drive bay and has audio outputs designed to connect to the audio input of a sound card. U.S. retail is $120.
5968 South 350 West
Salt Lake City, UT 84107
801/263-9053; fax 801/263-9068
www.rolls.com



SEK'D Prodif 88

This PCI-interface sound card handles the transmission of multi-channel AES/EBU with up to 24-bit/96kHz resolution. Four AES/EBU connections are available using a breakout cable, and multiple cards can be cascaded within one PC. The Prodif 88 is ideal for mastering, DVD, surround and multichannel productions, as well as the direct connection to AD/DA converters and mixing consoles equipped with AES/EBU interfaces. Retail: $899.
Dist. by plus24
N. La Brea Ave.
W. Hollywood, CA 90038
323/845-1171; fax 323/845-1170
www.plus24.net

Studio Network Solutions Fibrewire

SNS introduces Fibrewire, an affordably priced, compact Fibre Channel drive enclosure that's the perfect solution for audio, video and digital-imaging applications. Fibrewire offers the same incredible performance of A/V SAN and A/V SAN PRO in a single-drive desktop enclosure, which is fully compatible with—and upgradeable to—A/V SAN and A/V SAN PRO. System includes enclosure with Fibre Channel hard drive, PCI adapter, cable and software. Call 877/537-2094 to order.

SNS Gig A/V SAN & A/V SAN PRO

Studio Network Solutions introduces 2Gig A/V SAN™ and A/V SAN PRO™, two bulletproof solutions for professional HD recording. Engineers and producers such as Bob Rock, Tony Maserati, Walter Afanasieff, and many others have already discovered the superior workstation stability that our Fibre Channel hard drive systems deliver. Abbey Road, New Line Cinema and Sony are among the top facilities in the world relying on our solutions.
1986 Innerbelt Business Center Dr.
St. Louis, MO 63114
877/537-2094; fax 314/733-0537
www.studionetworksolutions.com

Computer Software

Berkley Integrated Audio Software (BIAS) Deck 3.5

Record and mix in 5.1 surround sound on Mac OS X with BIAS Deck VST 3.5. (Also compatible with Mac OS 8.6/9.x.) 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 3.5 adds Mac OS X support, 5.1 surround mixing, OMF import and more than 25 additional VST effects. Includes BIAS Peak LE, BIAS Vbox SE, BIAS Freq EQ and Roxio Toast Lite. MSRP: $399.

Berkley Integrated Audio Software (BIAS) Peak 3.1

Peak 3 is now Mac OS X-native and is the most full-featured, powerful, yet easy-to-use digital audio editing program for Macintosh. Peak features playlist direct, Red Book CD burning, contextual menus, new "Duplicate" command and sampler support; there is also support for multiple file formats, including MP3, AAC and enhanced .WAV files. Peak supports ASIO hardware under Mac OS 8.6/9.x and CoreAudio hardware under Mac OS X. BIAS Vbox SE, the powerful VST effects control matrix, is now integrated into Peak. Includes Roxio Toast Lite and more than 25 VST effects. MSRP: $499.
1370 Industrial Ave., Suite A
Petaluma, CA 94952
707/782-1866; fax 707/782-1874
www.bias-inc.com

Cakewalk SONAR 2.1

SONAR 2.1 is the industry standard for audio and MIDI production on the PC. SONAR is used daily by thousands of musicians, composers, DJ/remix artists, engineers and producers. SONAR 2.1 includes support for OMFI (Open Media Format Interchange) file exporting for film and video projects.
51 Melcher St., 8th Floor
Boston, MA 02210
617/423-9004; fax 617/423-9007
www.cakewalk.com

Cycling '74 radiaL

More than just another loop sequencer for tinkering with tempo, pitch and sample cut-up, radiaL is a modular live performance environment that gives you unprecedented flexibility and customization, coupled with an innovative core interface. Its open architecture lets you add new modules and extensions, write your own, and create alternative "outfits" so you can choose or create new user interfaces. Suggested retail price: $199. Mac only.
379A Clementina St.
San Francisco, CA 94103
415/974-1818; fax 415/974-1812
www.cycling74.com

Digital Audio Miracles Damsel

Damsel is a Macintosh-based translation utility for converting files from RADAR Hard Disk Recorders to Sound Designer II, Broadcast .WAV or .AIFF files. Damsel converts this information in a fraction of the time required for conventional transfers. The output file is a perfect bit-for-bit copy of the original RADAR file; no jitter or artifacts are produced. Price: $749.

Digital Audio Miracles Inc. QDB

QDB is a backup utility designed for audio users. QDB backs up to optical media in a non-proprietary format that allows for the restoration of the backup on any machine; QDB is not required to restore. QDB intelligently divides large backups into chunks that fit on the storage media. Gone are the days of dividing folders into 650MB pieces. Price: $79.
1705 Woodridge Court
Mt. Juliet, TN 37122
615/497-2582; fax 425/799-0213
www.digitalaudiomiracles.com

World Radio History

ADVERTISEMENT

MOGAMI GOLD SERIES PACKAGED CABLE

Among audio professionals, Mogami has earned a reputation as the finest cable in the world. Renowned for unmatched accuracy, extremely low noise, remarkable flexibility, ease of installation, and superior quality and consistency, Mogami cable is praised by engineers for its amazing clarity and silent background; and installers swear by it—*not* at it. Most people are surprised to learn that virtually every major recording facility is wired with Mogami. Just about any music you are likely to listen to has passed through Mogami somewhere in the recording chain. This is why we call Mogami "The Cable of the Pros."

The Mogami philosophy is to offer the most accurate signal transfer possible. Here, accurate means leaving the original signal unchanged while preventing noise. This seems a simple goal, but in fact, many cable companies attempt to alter the signal for what they perceive to be the "best sound," which is actually creating the most flattering distortions. This approach, however flattering, will forever alter what has flowed through it. This distortion may make some particular piece of equipment sound "better" at a certain frequency, but it will sound worse at other frequencies. Once a recording is made with such a cable, the essence of the original signal is lost forever. We don't design cables to sound a certain way; we design cables to be transparent.

There is no single magic bullet for cable design. Superior design is an appropriate mix of conductor material, dielectric, conductor geometry, fillers, jacket stiffness, etc. Only technical expertise combined with years of experience can result in the kind of performance that transcends the ordinary. Mogami uses only pure OFC (oxygen-free copper) for the best signal transmission. XLPE (cross-linked polyethylene) insulation is employed for high-dielectric strength and best dimensional stability. All audio cables are surrounded by our unique lapped spiral-copper shield, offering 100% coverage, even when flexed. It is the finest shield available for noise reduction at all audio frequencies. When replacing inexpensive studio cables, most users experience a significant drop in noise floor and RF interference.

Until now, Mogami has only been available through professional channels and known primarily by top recording facilities. Recently, Marshall Electronics, Mogami's exclusive North American distributor, has introduced the "Mogami Gold Series" packaged line, the first in a series of cables aimed at the broad consumer market, as well as the professional market. Applications include recording, audio/visual, installed home sound and onstage audio. Interfaces for all popular digital consoles and workstations are available off-the-shelf in the Gold Series line.

The Gold Series offers microphone, guitar and studio accessory cables for the working musician or home studio recordist. The benefits of Mogami professional cable are passed on in terms of lower noise, higher dynamics and—most importantly—far superior audio quality to any cable currently on the market. The Gold Series is also competitively priced with most of the available consumer cables, but provides superior performance and long-term reliability. The Gold Series is made in America and carries a lifetime warranty.

For more information, go to www.mogamicable.com, or contact Marshall at 800/800-6608. ■

MOGAMI

Mogami Cable
1910 E. Maple Ave.
El Segundo, CA 90245
800/800-6608
fax 310/333-0688

www.mogamicable.com
sales@mogamicable.com

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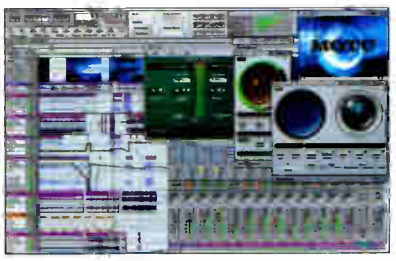
Emagic PTHD|Ext

Thanks to the new Pro Tools | HD Extension (PTHD|Ext) for Logic Platinum Macintosh, together with the current Digidesign Pro Tools | HD sampling rates up to 192 kHz can be reached. In addition, more tracks than ever before are supported, and you can make full use of the increased I/O capacity of the PTHD system. Logic Platinum users also benefit from the new TDM II architecture by most efficient use of the TDM time slots. The use of the PTHD|Ext requires an installed copy of Logic Platinum 5.1.3 (or higher) for Macintosh. Price: $499.

13348 Grass Valley Ave.
Grass Valley, CA 95945
530/477-1053; fax 530/477-1052
www.emagic.de



MOTU Digital Performer 3.1

Awarded the *Electronic Musician* magazine Editors' Choice Award for three years in a row (2000, 2001 and 2002), Digital Performer is an audio workstation and MIDI sequencer software package for Macintosh. 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 3.1 adds many new features, including unlimited Undo History and flexible track grouping. List price: $795.

1280 Massachusetts Ave.
Cambridge, MA 02138
617/576-2760; fax 617/576-3609
www.motu.com

mSoft MusicCue

To solve the growing problem of manageability issues for production music library users, mSoft offers the MusicCue production music server system. MusicCue is a LAN server that comes pre-digitized with all of the production music library databases and audio that a facility is licensed to use, and features a unique 3-level "drill down" search, project management and automatic cue-sheet creation.

6355 Topanga Canyon Blvd., #507
Woodland Hills, CA 91367
818/716-7081; fax 818/716-0547
www.msoftinc.com

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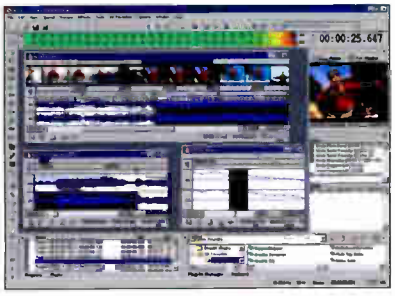
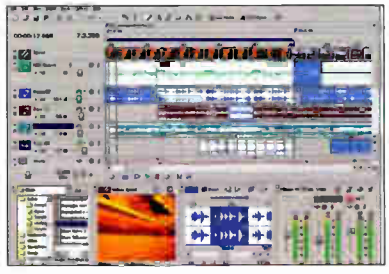


Sonic Foundry Sound Forge 6.0

This award-winning digital audio editor has a powerful set of audio processes, tools and effects for recording and manipulating audio. New features in Version 6.0 include real-time nondestructive editing, multitask background rendering, Modeless Audio Plug-In Chainer, 32-bit/64-bit float/192kHz support, enhanced time zoom (24:1 ratio), Windows Media and QuickTime import, and much more. MSRP: $499.95 (or $349.97 direct from Sonic Foundry).

Looking for used gear?

Read the classifieds in *Mix* magazine.



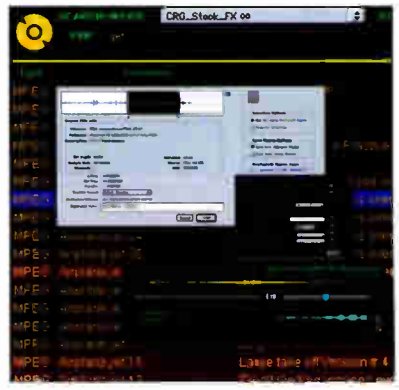
Sonic Foundry Acid Pro 4.0

Acid Pro 4.0 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, produce 5.1 surround mixes, develop music beds, score videos and create music for Websites and Flash animations. New in Acid 4.0 are plug-in effects automation, VSTi support, alternate time signatures, 5.1 surround mixing, MIDI piano-roll editing, MIDI event list editing and step recording, ASIO driver support and much more. MSRP: $499.95 (or $349.97 direct from Sonic Foundry).

1617 Sherman Ave.
Madison, WI 53704
800/57-76642; fax 608/250-1745
www.sonicfoundry.com

Soundminer SERVER X 1.1

New to 1.1 is the Task Manager, an automated administrator that can be set to troll for new sounds, check the integrity of both the files and the database, and otherwise maintain your database. The Task Manager always poles for activity and goes into maintenance mode only when terminals go offline. Remote access has been improved with startling access times from anywhere in the world, and our 448-bit encryption system ensures complete protection.



Soundminer 2.4

A host of new features are being added to this already powerful audio file-management system including new film spotting features allowing sound supervisors to build and organize transfer lists complete with all of their EDLs intact for every sound file, loop playback, the ability to merge database files from other systems, a new and improved thesaurus, the ability to share transfer lists and EDLs, "freelance" mode for sound editors that move, and much more.

157 Princess St., 3rd Floor
Toronto, Ontario, Canada
1-866-FINDSFX
www.soundminer.com

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Email: info@Cube-Tec.com

:CUBE-TEC
www.Cube-Tec.com

North America
PH: (905) 827.9740
FX: (905) 469.1129
Email: info@Cube-Tec.com

World Radio History

Control, Sync & Automation

Coleman Audio M3PH DAW Monitor

The M3PH adds full control room monitoring ability to your DAW system, with four balanced stereo inputs and two balanced alternate-speaker outputs. Stepped attenuator for control room level tracks to 0.05 dB. Talkback mic and level control switch activated. Stereo cue level control. Engineer headphone selectable for main signal or cue mix. Price: $1,150.

Coleman Audio TB4 DAW Talkback Monitor Module

The TB4 adds a full control room monitoring section with talkback functions to your DAW system, with four stereo inputs and two alternate stereo outputs. Stepped attenuator for control room level tracks to 0 .05 dB. Mic and level-control switch activated. Stereo cue level control. Engineer headphone selectable for main signal or cue mix.
81 Pilgrim Lane
Westbury, NY 11590
516/334-7109
www.colemanaudio.com

C-Mexx Software MAP

A stand-alone unit with a Mac or PC editor, MAP is an Intelligent MIDI network node, mapping unit and LAN-based MIDI interface. MAP is a 4-in/4-out PC/Mac MIDI interface with a 10Mbit RJ45 LAN connection to distribute MIDI over long distances via Ethernet. Any standard Ethernet switches, W-LAN systems, hubs, access points, etc., can be used. MAP is a MIDI router—any connected unit can have its dedicated MIDI stream right out of the MAP network. MAP can convert or filter any given MIDI command into any other (including Sysex) in real time. Via Ethernet, MAP is easily connected/disconnected. It's great for notebooks and fully scalable/expandable for any number of MIDI I/Os.
Dist. by X-Vision Audio
241 Federal Plaza West, Suite 406
Youngstown, OH 44503
330/747-3862; fax 330/747-3865
www.xvisionaudio.com

Crown IQ System with TCP/IQ

Crown debuts the next generation of its IQ System for computer control and monitoring of professional audio equipment. Instead of utilizing a proprietary two-wire bus, communication now travels via 10/100 Ethernet between components employing Crown's new TCP/IQ protocol. This provides a significant increase in speed and the ability to add more components to an IQ system. Furthermore, TCP/IQ has been integrated with the CobraNet network to offer a single connection for digital audio and control.
1718 W. Mishawaka Rd.
Elkhart, IN 46517
574/294-8200; fax 574/294-8329
www.crownaudio.com

JLCooper USB Media Command Station Interface Card

The MCS-3000 Series USB Interface Card ($299.95) allows connection to computers via USB. The USB interface and software adapt the MCS-3000 controllers to work efficiently with virtually any application. Software keysets are included for popular audio, video and animation programs. JLC's smart USB driver knows which application is running in the foreground and switches keysets automatically, for seamless control of key commands, mouse clicks and macros. This innovative application is the first to provide all of this combined with programmable MIDI fader control over a single simple USB connection. Win 98/2000/NT/ME/XP and MAC OS 9, OS X-compatible.
142 Arena St.
El Segundo, CA 90245
310/322-9990; fax 310/335-0110
www.jlcooper.com

Logitek Audio Engine

Logitek's new, redesigned Audio Engine is a full digital audio router that can perform crosspoint routing, mixing and summing of signals. The unit accepts analog or digital inputs and can output signals in either format. The product is configurable from 8-in/8-out to 64-in/64-out; multiple Audio Engines can be linked for larger applications. Control is accomplished via physical or software router controllers. Prices start around $6,000.
5622 Edgemoor
Houston, TX 77081
713/664-4470; fax 713/664-4479
www.logitekaudio.com

Martinsound MultiMAX EXR

Martinsound's new MultiMAX EXR Surround Monitor Controller/Remote Control package retains all of the functionality of the industry-standard MultiMAX EX at a new, competitive price point, by locating all system operation on the remote control itself. The MultiMAX EXR allows engineers to replace a console's monitor section or add proper surround monitoring to a DAW, facilitating surround sound production on existing equipment with confidence that mixes will survive downmixing.
1151 West Valley Blvd.
Alhambra, CA 91803
800/582-3555; fax 616/284-3092
www.martinsound.com

ROPD INC. SP-02

ROPD Inc.—a studio design firm headed by multi-Platinum/Gold engineer Richard Oliver—offers a speaker-switching box that outperforms all others. Pure gold in nitrogen, it's the only speaker switcher compatible with large-diameter cables, such as Monster and other ultrahigh-quality systems. It switches multiple amplifier outputs, as well as amplifier and powered speaker inputs. Pricing begins at $1,499.95. E-mail sales@ropd.net for quote on configuration.
417 West 46th Street, FL.3
New York, NY 10036
212/757-1425; fax 212/757-1425
www.ropd.net

Tascam DS-M7.1 Surround Monitor Controller

The DS-M7.1 is a surround monitor controller adding multi-speaker monitoring control to digital consoles with only eight output buses. By duplicating the output buses, the DS-M7.1 can route a signal to both stem recorders and multiple amp/speaker combinations. The DS-M7.1 operates at 44.1/48/88.2/96kHz sampling rates, features pull-up/down operation, eight channels of TDIF, AES/EBU and ADAT I/O, and supports surround formats from LCRS up to 7.1.
7733 Telegraph Rd.
Montebello, CA 90640
323/726-0303; fax 323/727-7635
www.tascam.com

Digital Converters

Aphex Systems 212

The Aphex 212 is the first truly high-quality, cost-effective method of inserting analog processing into the DAW process without sacrificing audio quality. Combining Aphex's long tradition of high-quality signal processing and performance with the latest technology in AD/DA conversion, the 212 2-channel converter offers comprehensive features, jitter-canceling D/A and a full range of output options, outperforming units costing several times more. Price: $995.
11068 Randall St.
Sun Valley, CA 91352
818/767-2929; fax 818/767-2641
www.aphex.com

Benchmark Media DAC1

This 2-channel, 24-bit/96kHz D/A converter features total jitter immunity and a 117dBa S/N ratio (@ 48 kHz). The DAC1 has an auto-detecting input sample range of 28 to 96 kHz, and Benchmark's UltraLock technology provides totally jitter-free conversion at any sample rate and with any degree of input jitter. Digital inputs are AES, S/PDIF and Toslink; analog outs are balanced XLR and unbalanced RCA. Output levels can be controlled from the front panel or preset via selectable trim pots.
5925 Court Street Rd.
Syracuse, NY 13206
315/437-6300; fax 315/437-8119
www.benchmarkmedia.com

World Radio History

NEW PRODUCTS FOR AES 2002

RME ADI-648 MADI/ADAT CONVERTER

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64 CHANNELS OF 24 BIT AUDIO AT UP TO 48 KHZ SAMPLE RATE
32 CHANNELS OF 24 BIT AUDIO AT UP TO 96 KHZ SAMPLE RATE
8 CHANNEL 16 X16 MATRIX ROUTER
TRANSMISSION LENGTHS CAN BE MORE THAN 100 METERS
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- RECALL PRESETS, PLAYLISTS AND CONTROL VSTI OR VST PLUG-INS PARAMETERS FROM THE MIR.

13 STOMP'N FX PLUG-INS. LIVE BASE MIC STAND CLIP & LIVE PAD FOOT PEDALS ARE ALSO AVAILABLE

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THE OWL SYSTEM IS A UNIQUE STUDIO MONITOR DESIGN FROM EMES USING THE PATENTED EMBRACING SOUND EXPERIENCE SYSTEM ™. THE ESE (EMBRACING SOUND EXPERIENCE) SYSTEM ™ ALLOWS THE REPRODUCTION OF A SOUND IMAGE FROM A SINGLE ENCLOSURE. THIS ELIMINATES ARTIFACTS SUCH AS ACOUSTIC CROSSTALK, EXTENSIVE COMB FILTERING, ETC., INTRODUCED BY ANY LEFT/RIGHT MONO-SPEAKER CONFIGURATION.

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XVISION AUDIO

AES BOOTH #2237

World Radio History

Digidesign 192 Digital I/O

A $2,495 digital-only version of Digidesign's 192 I/O, the 192 Digital I/O delivers a wide range of digital I/O options to choose from, including up to 16 channels of AES/EBU, TDIF and ADAT I/O, along with S/PDIF I/O, making this interface perfect for streaming digital signals into Pro Tools | HD using your favorite external converters.

Digidesign MIDI I/O

MIDI I/O is the custom-tailored, USB-powered MIDI interface solution for Pro Tools systems. MIDI I/O has 10 MIDI input and output ports and a programmable Hardware Thru mode, allowing you to patch any input to any combination of outputs simultaneously without the need to access your computer. MIDI I/O also includes support for the upcoming Digidesign Time-Stamping feature for unprecedented timing accuracy. Price: $595.
2001 Junipero Serra Blvd.
Daly City, CA 94014
650/731-6300
www.digidesign.com

Dolby DPS64 Multichannel Audio Decoder

Dolby's next-generation reference decoder for applications from post-production to DVD authoring and DTV broadcast, the DP564 decodes and monitors Dolby Digital, Dolby Surround and PCM soundtracks. And it offers Dolby Digital Surround EXTM and Dolby Surround Pro Logic II decoding. It includes two AES inputs, an optical input, a linear timecode (LTC) output, an Ethernet port, a large front panel display for easy setup and metering, and a master volume control.
100 Potrero Ave.
San Francisco, CA 94103
415/558-0200; fax 415/863-1373
www.dolby.com

Lucid Audio Freedom Converter

The Freedom is a portable, 2-channel AD/DA converter capable of 48k bidirectional recording via USB, and 96k bidirectional recording via traditional digital audio protocols. The unit features a pair of high-quality mic preamps with phantom power and input clip limiting. Intended for the location sound, ENG and live concert recording markets, Freedom can be operated from readily available 12VDC Gel Packs.
14926 35th Ave. West
Lynnwood, WA 98037
425/787-3222; fax 425/787-3211
www.lucidaudio.com

MOTU 896 FireWire Audio Interface

The MOTU 896 is a two-rackspace, 24-bit/96kHz FireWire audio interface for Mac and Windows with 18 channels of I/O, expandable to 72 channels. Includes eight channels of analog on Neutrik XLR/TRS Combo connectors, built-in mic preamps, ADAT optical digital I/O, AES/EBU, latency-free input monitoring and a complete set of drivers for compatibility with all major audio software on both computer platforms. Price: $1,295.
1280 Massachusetts Ave.
Cambridge, MA 02138
617/576-2760; fax 617/576-3609
www.motu.com

Prism Sound Pro Tools | HD Interface

A Pro Tools | HD interface is now available for Prism Sound's popular ADA-8 multichannel converter. The new card connects directly to the Pro Tools | HD Core processor in the host computer. Thus equipped, the ADA-8 is a plug-in replacement for the standard rackmount HD I/O box. Also available this fall for the ADA-8 is a DSD interface card suitable for connection to Sony's SACD mastering system. Combined with the HD interface, this allows DSD production and mastering on a Pro Tools | HD system.
21 Pine St.
Rockaway, NJ 07866
973/983-9577; fax 973/983-9588
www.prismmpi.com

RME Intelligent Audio Solutions ADI-648

The ADI-648 is a bidirectional device connecting the ADAT Lightpipe I/O with high-end I/O MADI products. MADI offers 64 channels of 24-bit audio at up to 48kHz sample rate, and 32 channels at up to 96 kHz, with cable lengths more than 100 meters. MADI channels are transferred to/from eight ADAT optical inputs and eight outputs via Toslink. The ADI-648 also represents an ideal MADI front end for one or more interfaces of the Hammerfall Series. Furthermore, the ADI-648 contains an easy-configurable 8-channel 16x16 Matrix Router.
Dist. by X-Vision Audio
241 Federal Plaza West, Suite 406
Youngstown, OH 44503
330/747-3862; fax 330/747-3865
www.rme-audio.com

Loudspeakers

ADAM Audio Mastering Piece MP-1

The ADAM MP-1 ($20,000/pair) is a state-of-the-art, no-compromise powered monitor designed for the most demanding mastering engineers and applications. Deep bass (down to 23 Hz) is supplied by a side-firing 12-inch Hexacone woofer powered by a 400W amp. Ceramic cones provide exceptionally tight low mids from 80 to 600 Hz, where the A.R.T folded-ribbon midrange and tweeters take over, delivering unprecedented sonic precision and a breathtaking 3-D image.

ADAM Audio S2.SA

The S2.5A ($3,300/pair) is a two-way studio monitor incorporating ADAM's proprietary A.R.T. folded-ribbon tweeter, providing an amazingly lifelike, detailed image. It features an 8-inch Hexacone woofer consisting of a honeycomb core coated with Kevlar on both sides, allowing for extremely deep and tight bass response. The monitors are powered by two 150W amplifiers, and are ideally suited for small to medium control rooms and film post-production or broadcast studios.

ADAM Audio S4V

The S4V ($6,500/pair) is a three-way studio monitor with a vertical orientation that provides optimal time alignment and extremely precise imaging. It uses ADAM's proprietary A.R.T. folded-ribbon tweeter and midrange drivers, resulting in incredible sonic detail. Low end is supplied by an 11-inch Hexacone woofer for tight, accurate bass response down to 28 Hz. Power is supplied by three 150W amps. They are ideally suited for mid-field stereo and surround mixing and mastering applications.
Lobeckstrasse 36
Berlin, Germany 10969
(+4) 9 308/630-0973
www.adam-audio.de

Apogee Sound AFI-4 Powered Loudspeaker

Apogee's Fixed Instal ation Speakers (AFI Series) feature high power output, versatile rigging and the characteristic low-distortion response that makes Apogee products unique. This 12-inch/1-inch processor-optional loudspeaker is available in single-amped or bi-amped versions. The AFI-4 can be ordered with a 60°x45° or 90°x45° high-frequency horn. In either version, the horn may be easily rotated 90°, for installation either vertically or horizontally without compromising optimum coverage. List: $1,069.

Apogee Sound AFI-118 Subwoofer

Apogee's new high-powered, low-distortion subwoofer utilizes a proprietary 18-inch cone driver. Boasting a 35Hz, -3dB point, the AFI-118 effectively extends the bass response of the new processor-optional Apogee AFI-4 and AFI-8 powered loudspeakers, for dramatic low-frequency impact. The AFI-118 is highly effective when used with Apogee's CA-4000 power amplifier. MSRP: $1,099.
2180 S. McDowell Blvd.
Petaluma, CA 94954
707/778-8887; fax 707/778-6923
www.apogee-sound.com

ATC T16 Special-Edition Monitor

The T16 Special-Edition Monitor offers unique voicing for the American rock 'n' roll market. Set up for higher output levels and more bass output, the T16 provides users with signature ATC clarity in the near-field meter bridge application. Unit includes 6.5-inch, active two-way, with internal 200W and 50W amplifiers. Price: $3,000/pair.
Dist. by Transamerica Audio Group
4760 W. Dewey Dr., Suite 129
Las Vegas, NV 89118
702/365-5155; fax 702/365-5145
www.transaudiogroup.com

Atlas 2000 Series Speakers

The Atlas 2012, 2015 and 20215 (subwoofer) two-way systems feature 90°x90° constant directivity horn coupled to a 1-inch compression driver, Power Sentry horn-protection circuitry, and a variable horn-attenuation circuit that lets the user tailor high frequencies for smooth response. Each full-range enclosure has a 10° trapezoidal cabinet constructed of QQQ-inch OSB with dado interlocking joints. The enclosures are covered in heavy-duty black carpet with interlocking protective corners and finished with a sleek, pressure tension-mounted, full-face curved, 19-gauge steel grille.
1601 Jack McKay Blvd.
Ennis, TX 75119
800/876-3333
www.atlassound.com

World Radio History

Get turned on

DigiMAX 96k

Now with 96k, the DigiMAX is the newest member of the award-winning family of Presonus mic preamps. Combine eight channels of pristine mic preamplification with 24 simultaneous digital and analog outputs, and the DigiMAX seamlessly integrates into any digital recording system. The DigiMAX is the perfect front-end for DAW's as well as adding mic preamps to digital mixers and sound cards.

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- 48V Phantom Power on Every Channel
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- S/PDIF or AES/EBU Outputs
- 1/4" TRS Balanced Analog Outputs
- BNC Word Clock I/O for Sync

ProTools® HD Users:

The DM008 cable interfaces the DigiMAX 96k directly with the Digidesign® 192 I/O into the DB25 AES input while also providing eight channels of AES outputs on a DB25 connector.

DigiMAX LT

The DigiMAX LT is essential to the modern digital recording studio. Eight channels of pristine mic preamplification, inserts on every channel, and an internal power supply set this unit apart from anything else on the market. Each channel features our award-winning, high performance, dual-servo microphone preamplifiers with 48V phantom power, and -20dB pad. Each channel also features Neutrik™connectors that accept line level or microphone input. Digital synchronization is achieved through word clock in and out via BNC connectors.

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- BNC I/O for Sync

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sales@presonus.com | http://www.presonus.com

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audio electronics

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Bag End TA6000-S

The Bag End TA6000-S Time-Aligned loudspeaker system is a low-profile version of the company's immensely successful TA6000. Our engineers devised a way to accommodate 6.5-inch drivers in the low-profile enclosure that measures only 6 inches high. Optimized for horizontal mounting to fit into confined spaces, the TA6000-S has the same components as the TA6000: two 6.5-inch LF cones with 1-inch voice coils, and an HF radial horn with a 1.8-inch titanium diaphragm. Response is 95 to 20k Hz. Retail: $735.

Bag End INFRAsub18/12 PRO

The INFRAsub18 PRO and INFRAsub12 PRO models offer new features for pro studio surround monitoring, such as six balanced XLR inputs and five highpass filtered, balanced XLR outs. In addition, an ELF (Extended Low Frequency) calibrated slave output is provided for additional subs. A remote concealment indicator allows concealment to be monitored remotely from the bridge of the mixing console. Both models have internal 400W amps and Bag End's exclusive ELF dual integrator for a flat response to either 8 Hz (INFRAsub18) or 20 Hz (INFRAsub12).
22272 North Pepper Rd., Unit D
Barrington, IL 60010
847/382-4550; fax 847/382-4551
www.bagend.com

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Behringer Eurolive Series B1020/B1500X/B1800X

The B1500X/B1800X subwoofers and the B1020 full-range system complement the successful Eurolive Series. The B1500X has a custom 300W RMS 15-inch woofer that harmonizes perfectly with the full-range B1020. The B1800X has a heavy-duty, 400W, 18-inch woofer. Both new subs feature an integrated passive crossover. Rounding out the Eurolive full-range line, the B1020 has a 10-inch woofer and 1-inch titanium HF driver with specially developed constant directivity horn technology for optimal wide-angle dispersion.
190 West Dayton St., Suite 201
Edmonds, WA 98020
425/672-0816; fax 425/673-7647
www.behringer.com

Blue Sky ProDesk

Introducing ProDesk (MSRP: $1,195), the first full-range monitoring system specifically designed for desktop applications. Like the acclaimed Sky System One, ProDesk is an integrated three-way system based around the newly developed SAT 5, a bi-amplified (60Wx2) two-way monitor with a proprietary 5.25-inch woofer and 0.75-inch ring-radiator tweeter, and the SUB 8 (custom 8-inch woofer mated to a 100W amp). The optional $99 Functional Volume Control completes this system.
Dist. By Group One Ltd.
200 Sea Lane
Farmingdale, NY 11735
631/249-1399; fax 631/753-1020
www.abluesky.com

Bose FreeSpace 3 Series II

The FreeSpace 3 Series II system has been newly engineered to offer versatile mounting options and new price points, providing sound pros flexibility in designing and installing Bose business music systems. For the first time, Bose has introduced its Acoustimass bass module technology in a ceiling or wall flush-mount speaker. A new compact, flush-mount satellite speaker is also available. These elements can be combined to bring Bose performance to spaces with nearly any configuration.

Bose FreeSpace Model 16

The FreeSpace Model 16 loudspeaker delivers smooth, accurate reproduction of speech and music. Attractive pricing makes this speaker an appealing solution for background or foreground applications in a variety of business environments. A lightweight design and flexible-mounting accessories enable easy flush, surface or pendant mounting in tile, hard or open ceilings. Designed to be flush-mounted in a standard 8-inch hole, the Model 16 is an optimum choice for systems that require retrofitting or updating.
The Mountain, Corporate Center
Framingham, MA 01701
800/999-BOSE
www.bose.com

World Radio History

Earthworks Cherry Sigma 6.2

This is a solid cherry version of our TEC Award-nominated Sigma 6.2 monitor. It's flat from 40 to 40k Hz within ±2 dB, with a time-accurate output across this range. It sounds like the music—not like a loudspeaker. The Sigma 6.2 is accurate in a way and to a degree that's beyond anything available. Price: $5,000 per matched pair.

Box 517
Wilton, NH 03086
603/654-6427; fax 603/654-6107
www.earthworksaudio.com

Eastern Acoustic Works JFX Series

The JFX Series is a line of radical two-way systems designed from the ground up to maximize performance and utility at a cost-effective price. Intended for both portable and permanent install applications, the JFX Series features asymmetrical trapezoidal enclosures that allow them to work as main channel systems or as stage monitors. All transducers, crossovers and enclosures are newly designed and feature the latest advancements in manufacturing technology and loudspeaker engineering.

One Main St.
Whitinsville, MA 01588
508/234-6158; fax 508/234-8251
www.eaw.com

Electro-Voice XLC

The Electro-Voice XLC linear array series of loudspeakers provide superior performance in a compact, lightweight package. The XLC system is designed for use in groups of four or more cabinets. The XLC 127 is a three-way design with a 120°x7° coverage pattern that can be either tri-amped or bi-amped in two-way mode. The XLC 124 downfill provides 120°x40° coverage, and the XLC 118 is a single 18-inch subwoofer.

Distributed by Telex Communications
12000 Portland Ave. South
Burnsville, MN 55337
952/884-4051; fax 952/884-0043
www.telex.com

EMES Studio Monitor Systems Mini-OWL

Based on the Swedish Embracing Sound Experience patent, EMES launches its second ESE-System monitor package. The Mini-OWL is a magnetically shielded, compact (13x11.5x8 inches) active monitor. All amp stages (2-channel/two-way) deliver 80W continuous power each—total 320W. A linear frequency response from 60 to 20,000 Hz (±1.5 dB) is guaranteed, due to EMES pre-selection of all driver components! Recommended listening distance: 3.5 to 10 feet. MSRP: $1,550.

Dist. by X-Vision Audio
241 Federal Plaza West, Suite 406
Youngstown, OH 44503
330/747-3862; fax 330/747-3865
www.xvisionaudio.com

Event Tuned Reference S

This two-way, bi-amplified, Direct Field Monitor System offers a 5.25-inch mineral-filled polypropylene cone woofer with 1-inch high-temperature voice coil and 1-inch Ferrofluid-cooled natural silk-dome neodymium tweeter. Other features: magnetically shielding; >108dB SPL output; 53-19k Hz frequency response; 2.6kHz active fourth-order asymmetrical crossover; variable input sensitivity; and balanced (TRS and XLR) and unbalanced RCA inputs. Protection: RF interference, output current limiting, over-temperature, turn-on/off transient and subsonic fi ter. Price: $599/pair.

Event Tuned Reference 8

This two-way, bi-amplified, Direct Field Monitor System features an 8-inch mineral-filled polypropylene cone woofer with 1.5-inch, high-temperature voice coil; 1-inch Ferrofluid-cooled, natural soft-dome tweeter; magnetic shielding; >108dB SPL output; 35-20k Hz response; 2.6kHz active fourth-order asymmetrical crossover; variable input sensitivity; and balanced (TRS and XLR) and unbalanced RCA inputs. Protection: RF interference, output-current limiting, over-temperature, turn-on/off transient and subsonic filter. Price: $599/pair.

Box 4189
Santa Barbara, CA 93140-4189
805/566-7777; fax 805-566-7771
www.event1.com

World Radio History

F.A.R. Tsunami-10

The Fundamental Acoustic Research Tsunami-10 combines a clever design and a great sound. The triple-layer front baffle places a resilient material between two 22mm MDF slabs to eliminate unwanted vibrations. Sophisticated internal bracing locks the entire enclosure into a single, nonmoving block, and a huge rear port reduces air compression and lowers distortion. A 10-inch woofer, 1-inch soft-dome tweeter with symmetric waveguide, 220 watts of onboard bi-amplification and an optional remote control complete the package.
Rue Bois de Sclessin, 6
B-4102 Liège, Belgium
(+3) 24/259-7412
www.far-audio.com

FBT MaxX 6a

This two-way, 900W RMS powered speaker has a polypropylene cabinet with a 15-inch neodymium magnet/aluminum die-cast frame woofer and a 2.5-inch HF driver on a 90°x60° horn with FBT's ADAP component protection circuitry and M-10 flypoints. The bi-amped system has a 700W RMS Digital PWM power amp on the LF and a 200W RMS Class-G amp driving the highs. Specs: 40 to 20k Hz response and 128dB max SPL. Control panel features 3-band EQ, preamp gain control, volume control, balanced XLR/¼-inch inputs/outputs/link thru, ground lift switch and LED LF/HF overload indicators. Weight: 64 lbs.

FBT LF 62a

This two-way powered speaker combines a 15-inch woofer and 1-inch driver on a 90°x60° horn with a 13-ply poplar plywood cabinet covered in HD carpet. The bi-amped system has a 300W RMS Class-A/B LF amp, 50W RMS Class-A/B HF amp, FBT's ADAP component protection circuitry, balanced XLR/¼-inch inputs/outputs/pass thru, ground lift switch, volume control, LF/HF LED overload indicators, asymmetrical profile for stage monitor or mains use, 1⅜-inch speaker stand socket and fly points. Specs: 40-20k Hz response, 125dB max SPL. Weight: 50 lbs.
Box 8144
Berlin, CT 06037-8144
800/333-9383; fax 860/829-1026
www.fbt.it

Genelec LSE Series Subwoofers

Genelec's new LSE Series consists of four new subwoofer models designed to create very dynamic, extremely efficient and highly configurable full-range systems for critical monitoring applications. The radical LSE cabinet technology virtually eliminates nonlinearities from port turbulence associated with traditional vented designs. The LSE range includes the 8-inch 7050A 2-channel system for use with a pair of 1029A/2029A/B monitors, and the 10-inch 7060A, 12-inch 7070A and dual 12-inch 7071A multichannel units, featuring an integrated 6.1 bass manager.
7 Tech Circle
Natick, MA 01760
508/652-0900; fax 508/652-0909
www.genelec.com

JBL VerTec VT4887 & VT4881

One of three new VerTec products designed to be compatible with the VT4889, the VT4887 is a dual 8-inch system weighing only 68 lbs., including rigging. It measures 31x11x16.5 inches. An optional companion VT4881 compact 15-inch subwoofer has a 19-160Hz response and can be ground-stacked or suspended. Like other new VerTec system products, the VT4887 and VT4881 are pre-engineered to receive JBL's upcoming Drive Pack technology as a future optional upgrade for onboard amplification. Pricing: TBA.

JBL VerTec VT4888

The VT4888 dual-12-inch midsize modular line array element measures 39x14x20 inches, weighs only 98 lbs., and has applications in theater, performing arts centers, churches, conferences, corporate business meetings and media support. Frequency response ranges from 48 to 18k Hz. The VT4888 is pre-engineered to receive JBL's upcoming Drive Pack technology as a future optional upgrade for onboard amplification. Pricing: TBA.
8400 Balboa Blvd.
Northridge, CA 91329
818/894-8850
www.jblpro.com

KRK Systems M118

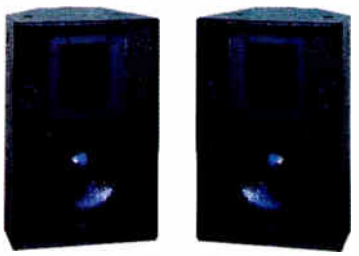
The M118 active three-way studio monitor can easily handle the workload of most other dual 15-inch cabinets and still not lose the bottom end. Perfect for post-production, CD mastering and more, the monitor is mounted in wall or freestanding. Power amplifiers are not included. Drivers: Woofer: 18-inch, high-strength, paper-impregnated cone; Midrange: 7-inch Kevlar cone; Carbon-ring diaphragm tweeter (loaded by a symmetrical horn). Frequency response: 19 to 20k Hz, ± 2dB. Amp requirements: LF 1,000 watts @ 8 Ohms; MF 450 watts @ 8 Ohms; HF 250 watts @ 8 Ohms.

KRK Systems Expose E12DSP

The E12DSP is a complete and refined active three-way system, featuring low distortion, incredible imaging and increased power handling. From its digital crossover to the Kevlar cones and titanium dome, the KRK signature sound is truly apparent. Drivers: Woofer: 12-inch, high-strength paper-impregnated cone; Mid: 5-inch Kevlar cone; Tweeter: 1-inch titanium-inverted dome. Response: 29-22k Hz, ± 2dB. Amplification: HF 120 watts @ 8 Ohms; MF 200 watts @ 8 Ohms; LF 400 watts @ 8 Ohms.
Dist. by Stanton Group
3000 S.W. 42nd St.
Hollywood, FL 33312
954/689-8833; fax 954/689-8460
www.krksys.com

KS Systems S.1 System

KS Systems now offers a 5.1 monitoring system with analog and digital inputs, rackmount external amplification and an optional advanced remote/system controller. The system is available either as a complete 5.1 unit or as a stereo/expand-to-surround-later package, featuring a single 12-inch subwoofer and five two-way (6.5-inch woofer/1-inch dome tweeter) ADM 4 satellites with die-cast enclosures and internal video shielding.
Dist. by CAP Audio
Weaver Park, 1060 Cephas Drive
Clearwater, FL 33765
727/447-9656
www.cap-audio.com



Martin Audio Ltd. Blackline F8

The Blackline F8 is a two-way passive system, designed to provide exceptional sound reinforcement and stage monitoring from a compact enclosure. It features a powerful 250mm (8-inch) low-frequency driver and a 25mm (1-inch) HF compression driver mounted on a 90°x50° horn. The horn is user-rotatable to allow the F8's multi-angled enclosure to be used in vertical or horizontal orientations. List: $799.
Box 44019
Kitchener, Ontario, Canada N2N 3G7
519/747-5853; fax 519/747-3576
www.martin-audio.com

Meyer M1D
Ultra-Compact Curvilinear Array

The M1D is ideal for implementing compact curvilinear arrays (up to 12 high) in smaller venues. Each self-powered, three-way M1D cabinet has two 5-inch cone drivers, three vertically aligned metal dome tweeters, dual MOSFET amplifier modules (250 W/channel), integrated control electronics, IntelligentAC power supply, QuickFly rigging system and RMS monitoring module. Operating frequency range: 60-18k Hz; maximum peak SPL: 125 dB @ 1 m. List: $2,950.

Meyer M1D-Sub Ultra-Compact Sub

Designed as the companion subwoofer for systems configured with M1D Compact Curvilinear Array loudspeakers, the self-powered M1D-Sub has two 10-inch, long-excursion cone drivers, each powered by a dedicated 350W amplifier. With an operating frequency range of 35 to 150 Hz, and a maximum peak SPL of 130 dB @ 1 m, the M1D-Sub offers surprisingly prodigious LF capability in a very compact cabinet. List: $3,200.
2832 San Pablo Ave.
Berkeley, CA 94702
510/486-1166; fax 510/486-8356
www.meyersound.com

World Radio History

ADK MICROPHONES

"I have had the opportunity to use a variety of ADK Microphones in a wide range of applications. The sound is huge and wide open when tracking vocals. The clarity and detail is incredible! The accurate and transparent sound reproduction, especially on the acoustic grand piano, is nothing short of amazing! You really owe it to yourself to give ADK Microphones a serious listen."

Dale Sticha - Recording & Live Sound Engineer/ Piano Tech for Sir Elton John

ADK MICROPHONES

Ridgefield WA USA
TEL (360) 566-9400 FAX (360) 566-1282
www.adkmic.com info@adkmic.com

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Quested Monitoring Systems F5 and F19

The $695 F5 is a compact, self-powered, active near-field with a 5-inch bass driver and ?-inch soft-dome tweeter powered by 80W RMS amps. Features: infinite baffle design with front-mount volume, HF and bass boost/cut controls. The F19 sub-bass speaker has a 10-inch bass driver and 180W RMS Class-D amps. The F19 for stereo applications ($1,495) and F19.1 feature bass management, variable lowpass filter settings, phase adjustment, separate LFE gain, and sub output/direct input to allow for multiple cabinets. Caters to surround applications.
Dist. by Q.USA Inc.
5816 Highway K
Waunakee, WI 53597
608/850-3600; fax 608/850-3602
www.quested.com

Radian Audio Engineering Radian MicroFill

Radian's MicroFill is an ultra-compact, defined-coverage, multi-purpose loudspeaker system. This newest Radian Micro product shares sonic and industrial design characteristics with the successful MicroWedge Monitor Systems. MicroFill incorporates defined high-frequency pattern control, a 2-inch compression driver and 12-inch high-power woofer, plus built-in bi-amp or passive operation, and it is the ideal solution for sight line-friendly monitor sidefills, rearfill or corporate truss systems. Options: versatile rigging hardware, including pole cup.
600 N. Batavia St.
Orange, CA 92868
714/288-8900; fax 714/288-1133
www.radianaudio.com

Samson Resolv Reference Monitors

The Resolv 65a (active) and 65 (passive) monitors feature a 6.5-inch woofer and 1-inch titanium-diaphragm Ferrofluid-cooled—in a ported tuned cabinet. The 65a models include internal biamping (72W LF; 25W HF) and a unique contour control that changes from flat response to the aggressive midrange of certain classic near-fields. Optional is the Resolv 120a active subwoofer, with a 120-watt amp, 10-inch woofer, 40-180Hz response, active crossover, phase switch and mute jack for switching the sub in/out of the mix.
Samson Technologies Corp.
Box 9031
Syosset, NY 11791
516/364-2244; fax 516/364-3888
www.samsontech.com

Sonixell Pipeline PL1224

The Pipeline PL1224 comprises 288 flat-panel transducers in a compact 3x70-inch tubular design. This line array produces tightly controlled vertical dispersion, resulting in improved intelligibility while dramatically reducing near-field feedback. The PL1224 delivers full fidelity output over large distances with minimal reduction in gain. The PL1224s are singular in performance capabilities.
Dist. by International Sales Inc.
1265 Rosecrans St.
San Diego, CA 92106
619/224-9429; fax 619/224-9439
www.fps-inc.co.jp

Tannoy Ellipse 8

The first of a new generation of monitors featuring Tannoy Wideband technology, the Ellipse 8 has a frequency response extending above 50 kHz. Based on a fully time-aligned, three-way active system using an 8-inch Dual Concentric drive unit, plus SuperTweeter drive with a 90° horizontal dispersion. The uniquely shaped cabinet is constructed of laminated birch with a massive MDF baffle and rear panel forming an enclosure that is non-resonant acoustically and mechanically. 14.7x 8.1x13.75 inches. USA list: $3,595/pair.
335 Gage Ave., Suite 1
Kitchener, Ontario, Canada N2M 5E1
519/745-1158; fax 519/745-2364
www.tgina.com

Truth Audio TA-2A

New Truth Audio powered monitor following the successful TA-1 and TA-3 Series, features dual 6.5-inch drivers and a soft-dome high-frequency driver. Also available in a passive model.
129 Sugar Cove Rd.
Santa Rosa Beach, FL 32459
973/728-2425; fax 973/728-2931
www.truthaudio.com

Visioneering Design Tesseract

The LMH Series high-power, three-way, tri-amplified loudspeaker systems—designed and TMH-qualified by Tomlinson Holman—are intended for use in pro screening rooms, dubbing theaters, film and digital cinema theaters, and high-end home theaters. Manufactured by Visioneering Design, the Holman custom-designed crossover divides the main screen channels into low, mid and high-frequency outputs for feeding the tri-amped LCR speaker cabinets. TMH-integrated bass management is featured in the crossover design. Price: $18,000 for three channels, including crossover.
9666 Owensmouth Ave., Unit Q
Chatsworth, CA 91311
818/882-7271; fax 818/882-8325
ron@rlag.com

Westlake Lc24.75

This two-way, bass-reflex loudspeaker for center channel and low-profile stereo and multichannel applications has a compact, dual-ported enclosure with twin 4-inch woofers and a ?-inch soft-dome tweeter. Frequency response: 65-20k Hz, ±3 dB with a sensitivity of 89 dB/1m for 2.83V input. The Lc24.75 features extensive electro-mechanical and acoustical dampening, point-to-point wiring and magnetically shielded drivers. Available individually or in pairs. Price: $999/each.
2696 Lavery Court, Unit #18
Newbury Park, CA 91320
805/499-3686; fax 805/498-2571
www.westlakeaudio.com

Wharfedale Diamond 8.1/8.2

Wharfedale's Diamond Series models feature Kevlar woofer cones, neodymium magnets, bi-wire terminals, and all USA models are wired internally with Monster Cable®. The $199.98/pair Diamond 8.1 is a 296x198x191mm, two-way design with a 130mm woofer and 25mm silk-dome tweeter; response is 55 to 20k Hz. The larger (364x213x258mm) Diamond 8.2 ($299.98/pair) has a 165mm woofer, 25mm silk dome tweeter and 45 to 20k Hz response.
Dist. by IAG America
508/850-3950
www.iagamerica.com

Microphone Preamplifiers

A Designs Audio MP-1

A Designs introduces a true tube-in/tube-out mono version of the classic MP-2 stereo mic pre. The MP-1 has the same features and quality that made the MP-2 the buzz of the pro audio industry. Specs are the same, except the MP-1 is a mono version. Features include a world-class Jensen input transformer coupled with a custom-wound output transformer. Additional features include a balanced XLR connector with ¼-inch input and a true VU meter, along with phantom and phase switches. MSRP: $1,099.
Dist. by X-Vision Audio
241 Federal Plaza West, Suite 406
Youngstown, OH 44503
330/747-3862; fax 330/747-3865
www.xvisionaudio.com

ART TPS Tube Preamp System

The TPS (Tube Preamp System) features ART's proprietary V3™ (Variable Valve Voicing) 12AX7A gain stage, twin high-performance discrete preamplifiers with local feedback and analog outputs. The new enhanced mic preamp design can accept +20dB peaks while maintaining over 120dB dynamic range and incredibly low distortion. V3 delivers multiple tube voicings specifically tailored to voice, guitar, bass, synths and acoustic instruments. OPL™ Output Protection Limiter is available to normalize levels before digital clipping occurs.

World Radio History

ART DPS DIO Preamp System

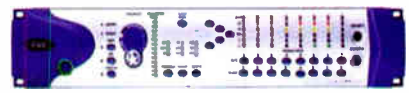
The DPS (DI/O Preamp System) features ART's proprietary V3™ (Variable Valve Voicing) 12AX7A gain stage, twin high-performance discrete preamps with local feedback, and both analog and digital outputs. The new enhanced mic preamp design can accept +20dB peaks while maintaining over 120dB dynamic range and incredibly low distortion. V3 delivers multiple tube voicings specifically tailored to voice, guitar, bass, synths and acoustic instruments. OPL™ Output Protection Limiter is available to normalize levels before digital clipping occurs.
215 Tremont St.
Rochester, NY 14608
585/436-2720; fax 585/436-3942
www.artproaudio.com

Curtis Technology Opre2

The Opre2 preamplifier combines solid, reliable electronics spec'd to audiophile standards. Each channel has a custom Lundahl input transformer chosen for emphasis on "softening of the highs," while retaining transparency and accurate imagery. Opre2's two channels of super-quiet preamplification feature gold-plated, 24-position rotary gain switches, multicolor 10-segment LED VUs, -20dB pad, 48VDC phantom power, phase reverse and a dual regulated supply utilizing a toroidal transformer that minimizes crosstalk. Retail: $1,495.
129 S. Phelps Ave., #526
Rockford, IL 61108
815/399-8453; fax 815/399-2559
www.curtis-technology.com

Dan Alexander Dual Class-A Preamp

The new dual-channel, Class-A mic preamp package from Dan Alexander Audio is a direct copy of the mic pre in a Neve 1073/1084-style module. Compared to the 1073, frequency response is down 0.75 dB at 40,000 kHz—virtually identical. Visit our Website for more details.
965 Hilldale Ave.
Berkeley, CA 94708
510/527-1411; fax 510/528-8721
www.danalexanderaudio.com



Digidesign PRE

PRE features eight discrete, matched-transistor, hybrid preamp circuits, accepting nearly any input signal—mic, line and direct instrument (DI) level inputs on all eight channels, providing a pristine analog path to the Pro Tools | HD environment. Comprehensive remote-controllable operation via the Pro Tools software interface or Digidesign control surfaces lets users place PRE anywhere in the studio and take advantage of its rich feature set. Price: $2,495.
2001 Junipero Serra Blvd.
Daly City, CA 94014
650/731-6300
www.digidesign.com

Earthworks 1021

This single-channel, zero-distortion technology preamp equals wire with gain! Flat and wideband: 2-100k Hz, ±0.1 dB. No distortion: under 1 ppm at 10V RMS out. No noise: EIN is -140 dBV @ 40 dB of gain. No whistles and bells, but no rattle and hum either. Controls include phantom on/off, polarity reverse and standby. Overload LED lights before clipping. Stepped/variable gain control feeds two separate outputs. Price: $1,200.
Box 517
Wilton, NH 03086
603/654-6427; fax 603/654-6107
www.earthworksaudio.com

Focusrite Platinum OctoPre

The Platinum OctoPre has eight classic Focusrite mic pre's and eight independent comp/limiters. The perfect partner for Pro Tools, OctoPre makes high-quality, multichannel recording easy, offering an instant location recording solution (as part of an ultracompact 8-channel system with a laptop), or as additional pre's for any analog/digital console or DAW. List: OctoPre, $1,169; optional 24-bit/96kHz digital optional A/Ds: $250 for ADAT, $350 for ADAT, AES/EBU and S/PDIF.
Dist. by Digidesign
2001 Junipero Serra Blvd., Suite 200
Daly City, CA 94014
650/731-6300; fax 650/731-6399
www.digidesign.com

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TEL: 718-931-8000 FAX: 718-863-1138

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Grace Design Lunatec V3

Grace Design's new Lunatec V3 portable mic preamplifier retains the performance and rich feature set of the previous Lunatec V2 preamplifier and adds a high-definition 24-bit, 192kHz A/D converter section, which also provides high-quality dithering to 20- or 16-bit media. Designed for concert taping, location recording and studio-based applications, the V3 offers a new level of performance not available with other portable mic preamps.

2434 30th St.
Boulder, CO 80301
303/443-7454; fax 303/444-4634
www.gracedesign.com

Joemeek VC6Qcs

The new Joemeek VC6Qcs is a single-rackspace tracking channel. It offers the new Current Sense auto impedance-matching mic preamp, a full Joemeek compressor and a full channel of the Joemeek Meequalizer. Loaded with all of the features you could expect and as many LEDs to match, the VC6Qcs is a must-have, offering warmth and tone to heat up your digital tracks. Retail: $499.99.

Dist. by PMI Audio Group
23775 Madison St.
Torrance, CA 90505
310/373-9129; fax 310/373-4714
www.pmiaudio.com

Lavry Engineering MSPA 1000

The patent-pending model MSPA 1000 (Microphone Side Pre Amplifier) from Lavry Engineering (formerly dB Technologies) overcomes the decades-old limitations of traditional amplifiers. Unlike rackmount gear, it's practical to place the tiny (2x2.5x4.5-inch) but sturdy aluminum, die-cast MSPA 1000 near the microphone. The improvements are clear—driving the balanced lines with low-source impedance and high-level signals. With 12 gain settings and switchable 48V phantom power, the unit provides state-of-the-art performance for all applications.

824 Post Ave.
Seattle, WA 98104
206/381-5891; fax 206/381-5835
www.dbtechno.com

M-Audio TAMPA

The TAMPA is a pro mic/instrument preamp unlike any other. It incorporates a new technology called "Temporal Harmonic Alignment," giving clear and warm tube tone using solid-state technology. It comes with direct digital output and world-class, dual-optical servo compression built-in.

45 E Saint Joseph St.
Arcadia, CA 91007
626/445-2842; fax 626/445-7564
www.m-audio.com

Summit 2BA-221 Mic/Line Module

This combination mic preamp/direct box features variable (100-10k ohm) mic input impedance; a variable highpass filter; hi-Z and mic inputs available simultaneously with gain controls for each; separate solid-state and 12AX7A/ECC83 tube outputs; TRS insert jack; polarity switch; 20dB pad; internal high-voltage power supply; and XLR and ¼-inch I/O. Retail: $695.

390 Westridge Dr.
Watsonville, CA 95076
831/728-1302; fax 831/728-1073
www.summitaudio.com

TRUE Systems P2analog

The TRUE Systems P2analog is a 2-channel microphone preamp design based on the acclaimed Precision 8. Designed to offer ultimate sonic performance, the P2analog provides flexibility and special tools, helping users get the best sound in critical recording or SR situations. Features include M-S decoder, premium DIs, dual gain ranges and multifrequency highpass filter. P2analog also offers a stereo phase-correlation display to assist in optimizing mic placement for stereo recording.

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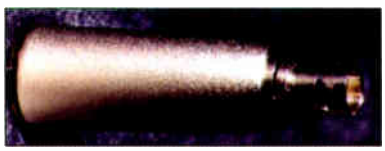
TRUE Systems P2digital

TRUE Systems' P2digital 2-channel 24/96 digital mic preamp system is based on the acclaimed Precision 8 and offers ultimate sonic performance for critical recording and sound reinforcement. Features include: M-S decoder; premium DIs; dual gain ranges; highpass filters; stereo phase-correlation display for optimizing stereo mic placement; 24/20/16-bit digital outputs with sample rates to 96k; AES/EBU, S/PDIF and ADAT optical outs with multichannel digital routing; analog outs; and insert points.
8175 E. Slate Ridge Dr.
Tucson, AZ 85715
520/721-2735; fax 520/722-4057
www.true-systems.com

Vintech Audio X81 Class-A

The Vintech "X81 Class-A" is an all-discrete, transformer-balanced, Class-A mic preamp with 4-band EQ. It's based on a combination of two classic Neve modules: The mic preamp and EQ amps are based on the Class-A circuitry found in Neve's legendary 1073, while its EQ is based on the more comprehensive one found in the Neve 1081 module. Many users love the 1081 for its EQ section, but some feel that its Class-A/B amps lacked a certain "magic" associated with the 1073.
4905 Reagan Ave.
Seffner, FL 33584
813/571-7899; fax 813/643-8114
www.vintech-audio.com

Microphone Products



ACO Pacific ICP1248

Now, industrial accelerometers and microphone preamps like the ACOtron 4212 can be added to your recording repertoire. The ICP1248 converts 18-48VDC phantom power (12 VDC at reduced performance) to 4mA Constant Current Line Drive (ICP™[PCB]) power, so you can use accelerometers, the 7052SYS and MK224 mic systems and other ACOtron, CCLD, IEPE, PCB ICPTM and B&K Deltatron equipment to measure and record from your phantom-powered equipment. Retail: $150.

ACO Pacific 7052SM

Combining the high-stability 7052S Type 1.5 Titanium-Diaphragm measurement microphone, 4212 ACOtron ICP PCB preamp, WS1 windscreen and ICP1248 phantom-to-ICP converter provides a stage/studio/measurement system featuring 4Hz to above 20kHz response, 14dBA noise floor, and over 140dB SPL (<1%THD) system capable of driving long lines at 14 Vpp. The true measurement mic construction assures a high degree of both long-term and temperature stability.
2604 Read Ave.
Belmont, CA 94002
650/595-8588; fax 650/591-2891
www.acopacific.com

ADK Model ST

The Model "ST" is a Class-A FET design featuring three polar patterns, pad and bass roll-off. Designed for both live and studio applications, this mic has a smooth response curve that's flattering on both male and female vocals. Applications include "point-source" pickup of multiple voices/instruments (bluegrass to barbershop quartet), as well as high-SPL applications such as a drums and amplifiers. Price TBA.

ADK Multipattern Tube Mic

Debuting at AES is an all-new 12AX7 vacuum tube-driven, multipattern vocal microphone that features a transverse-mounted, hemi-head design. Details and pricing TBA.
Ridgefield, WA
360/566-9400
www.adkmic.com

AEA R78

AEA's R78 ribbon microphone continues the classic RCA 44's tradition of sensual sound. The R78 is a dedicated figure-8 ribbon mic optimized for vocals, voice-overs, character voice and on-air work, with the comfortable intimate clarity and extended bottom of the figure-8 44 in a smaller physical package with an extended top end. The physical package is based on the familiar 77 Series. Options: switchable highpass filter, black/chrome radio finish and Rycote "furry" wind filter.
1029 N. Allen Ave.
Pasadena, CA 91104
626/798-9128; fax 626/798-2378
www.wesdooley.com

Applied Microphone Technology ACC3 & ACC1

This multicondenser microphone system for accordion uses the latest components in micro-electronics, for an ultralow-mass, making placement easier than other systems. Housing most of the electronics outside of the accordion makes installation less complicated. With fewer holes to drill, it's easier and more dependable over many years of use. Its small size and low mass give users the ability to mount the mics permanently or temporarily.
Box 33
Livingston, NJ 07039-0033
973/665-2727; fax 973/994-5139
www.appliedmic.com

Audio-Technica AE2500 Dual-Element Mic

A-T's Artist Elite dual-element AE2500 is the ultimate kick drum mic. The revolutionary AE2500 has two elements (cardioid and dynamic) positioned in a perfect phase relationship and enclosed in a single housing. The dynamic element delivers the aggressive attack of the beater, while the condenser captures the round tonalities of the shell. The AE2500 features an 80Hz highpass filter and -10dB pad, and it includes the new AT8471 isolation clamp. List: $699.

Audio-Technica AE3000

A-T's Artist Elite™ AE3000 is a cardioid condenser for high-SPL instrument miking. This large-diaphragm, side-address mic features an 80Hz highpass filter and a -10dB pad, and it requires 11-52VDC phantom power. The AE3000 has a 20-20,000Hz frequency response, 137dB dynamic range, 11 dB of self-noise and158dB SPL handling. It includes the new AT8471 isolation clamp. List: $379.
1221 Commerce Dr.
Stow, OH 44224
330/686-2600; fax 330/686-0719
www.audio-technica.com

Audix D6 Kick Drum Mic

The latest D Series pro instrument mic, the cardioid D6, provides huge, clean, undistorted kick drum reproduction from nearly any position, without needing to find the drum's "sweet spot." The D6 uses the same mounting clip as other D Series mics, and also fits Audix's popular D-vice and D-flex units for convenient on-drum mounting with shock isolation. Response is 3015k Hz. MSRP: $349.
Box 4010
Wilsonville, OR 97070
503/682-6933; fax 503/682-7114
www.audixusa.com

World Radio History

HIGH-END TOYS FOR AUDIO PROCESSING AND EFFECTS

Carillon

More Songs, More Dance, Less Song and Dance...Carillon Audio Systems is the only computer solution designed from the ground up for music and audio production, pre-configured for the worlds most popular DAW packages.

CHANDLER LIMITED

Specializing in remaking the classic modules from the 60's and 70's, Chandler Limited has got your sound. From rare Beatles-era console modules to the classic 1073-inspired EQ and pre-amp, all our units are hand made and ruggedly built to the original specifications using parts sourced from the original suppliers in England and Europe.

CLM DYNAMICS

Classic British Tonality and Workmanship come together in these hand-crafted Scottish signal processors. From the adaptive dynamic EQ circuitry plus resonant filters of the Expounder Dynamic EQ, to the analogue warmth and multiple-output versatility of the new 8 channel DB8000 series mic pre, CLM will give you the unique edge you've been looking for.

Empirical Labs INC.

The now-classic EL-8 Distressor is in a class by itself, and the FATSO Full Analog Tape Simulator/Optimizer carves out it's own niche as Empirical Labs continues to astound and amaze engineers and producers the world over. Spank your audio into submission with these killer sound tools.

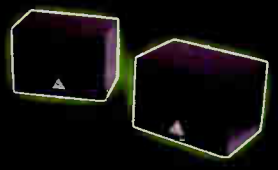
Framptone

The year 2000 marked the introduction of a range of products from Framptone, a new company formed by Peter Frampton, offering high end hand made accessories for guitarists. The products (produced by guitarists for guitarists) are quietly making their way into the stores and building a solid base of loyal users, ranging from Peter Frampton himself to Dave Grohl of the Foo Fighters and Richie Sambora of Bon Jovi. More recent convertees are Art Alexakis from Everclear, and the band Everlast.

REEL DRUMS

14 and 16-track super sample sessions for Pro Tools, Cubase, Logic, and Digital Performer. Pre-arranged in song format - just open them up, and you're good to go!! Loops, crashes, fills, beats, grooves, songs - we've got'em all, professionally recorded by the Record Plant Remote on a super-sweet analog API console at a 100-year old barn using the best mics in the business. Drummer Joe Franco completes the package with some amazing playing and incredible timing. Finally, drums that don't suck!!

Truth AUDIO



Every so often a new speaker comes along that takes the industry by storm. It's no coincidence then that Truth Audio hails from the Gulf Coast of Florida, home to some serious storms of it's own. Prepare to be blown away by these modestly-priced yet massively impressive studio monitors. Hear the Truth or face the consequences!

WAVE DISTRIBUTION

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Phone: 973-728-2425 / Fax: 973-728-2931

World Radio History
ad by tweakmedia.com

Beyerdynamic MCE494

Beyerdynamic has introduced a novel miniature microphone—the MCE 494, designed to be used by journalists and conference delegates, and in other dialog-acquisition applications using semi-pro recording media, PDAs or laptop computers. The mic is designed to improve the response characteristics significantly over the microphones fitted internally in such devices, transforming the audio quality and making it suitable for broadcast.

Beyerdynamic MC930

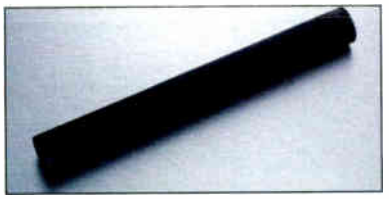
This high-quality, small-diaphragm condenser features a wide 40-20,000Hz response and 71dB signal-to-noise ratio. The switchable, 6dB/octave, 250Hz low-cut filter reduces popping noise when close-miking. With the WS101 windscreen and -15dB switchable pre-attenuation, the MC 930 can also be used for handheld vocals. Its cardioid pattern offers high gain-before-feedback and eliminates noise from the rear, making it suitable for studio, live or contracting use.
56 Central Ave.
Farmingdale, NY 11735
631/293-3200; fax 631/293-3288
www.beyerdynamic.com

Brauner Phantom C

The first non-tube (FET) large-diaphragm mic from legendary German mic builder Dirk Brauner, the Phantom C is a phantom-powered cardioid condenser. The Phantom offers 8dBa self-noise, 28mV/Pa sensitivity and 142dB max SPL at 0.5% THD. Intended for lead vocals and voice-over applications, the mic's sound has been tailored for "big" up-close recording, with trademark Brauner transparency at a distance. MSRP: $1,380.
Dist. by Transamerica Audio Group
4760 W. Dewey Dr., Suite 129
Las Vegas, NV 89118
702/365-5155; fax 702/365-5145
www.dirk-brauner.com

CAD Global Audio M37

CAD's Global Audio line of cardioid condenser mics includes the M37 single-pattern, side-address mic featuring a 1-inch, gold-sputtered single diaphragm, 143dB SPL handling (with pad), transformerless balanced output circuits, a 20dB noncapacitive pad and stainless-steel internal pop filter. MSRP: $159.
341 Harbor St.
Conneaut, OH 44030
800/762-9266
www.cadmics.com



DPA 4015 Wide Cardioid

When an omni is too ambient and a cardioid is too narrow, the DPA 4015 is the perfect fill-in. The 4015's polar pattern is a wide cardioid, attenuating less to the sides and back than a traditional first-order cardioid. Linear on-axis frequency response: 40-20k Hz, ±2 dB at 60 cm, with a soft high-frequency lift (max. 3 dB) from 10 to 15 kHz. The mic is phantom-powered (P48) and transformerless, and it handles 158dB peak SPLs. List: $1,850.

DPA 4041-ST

Low self-noise and high sensitivity make the 4041 ideal for detailed work, such as vocals, strings and other acoustic instruments with large dynamics. Self-noise is typically 8 dBA (max 9 dBA), and THD is less than 0.5% at 120dB SPL peak. The phantom-powered 4041 is available in three different versions; a modular design enables the capsule to be unscrewed from the preamplifier, offering options of 48- or 130-volt powered solid-state preamps and a 130V tube technology preamp. List: $3,270.
335 Gage Ave., Suite 1
Kitchener, Ontario, Canada N2M 5E1
510/745-1158; fax 519/745-2364
www.dpamicrophones.com

Electro-Voice RE510

This supercardioid handheld condenser features a Warm Grip handle, smooth bandwidth, low distortion and wide dynamic range. A LF boost switch beneath the ball screen offers configuration as a classic-sounding live vocal mic or high-performance studio mic. In roll-off configuration, low end compensates for proximity effect, and upper-mid frequencies offer clear and natural response. In Studio mode, the low-end response is lifted, creating a versatile instrument mic.
Dist. by Telex Communications
12000 Portland Ave. South
Burnsville, MN 55337
952/736-3901; fax 952/736-4582
www.telex.com

Groove Tubes Model 1B/1B-FET

The Groove Tubes Model 1B is an excellent mic, delivering better performance and sound than prestigious mics costing much more. This enhanced reissue of our legendary Model 1A side-address, true condenser features a hand-assembled 1.10-inch diameter capsule with an amazingly thin 3-micron evaporated-gold diaphragm. Groove Tubes' rigorous quality control also ensures that your mic is within ±1 dB of our "golden mic" spec. Available in tube or FET versions.
Dist. by M-Audio
45 E Saint Joseph St.
Arcadia, CA 91007
626/445-2842; fax 626/445-7564
www.m-audio.com

MXL 603Spr

The 603Spr Recording Package contains two 603S mics, which are matched and include shockmounts and a rugged flight case. The 603S condenser mics are best used as drum overheads and in guitar-miking applications. The 603S has a 20mm gold-deposited diaphragm with a 20-25k Hz frequency response. The polar pattern is sub-cardioid. The 603S is internally wired with world-renowned Mogami cable. The package has a MAP price of $249.
1910E Maple Ave.
El Segundo, CA 90245
800/800-6608; fax 310/333-0688
www.mxlmics.com

Oktava ML52 Ribbon Mic

Oktava's expertise, gained throughout the years as they were Russia's sole manufacturer of ribbon mics, was used to produce this unique mic. The classic sound of the double-ribbon filament, expansive frequency response and nonexistent noise floor, used with a good preamp is ideal for digital recording and many other applications. Eminently suited to string and brass instruments, the ML52 gives a sparkling but never harsh overall sound and a particularly pleasing smooth sound on vocals.

Oktava MKL2500

The 6C315-P tube in the MKL2500, with the gold-sputtered 33mm capsule, gives enough third-harmonic distortion to brighten and add warmth to any sound source. Oktava mics are well-known for great prices, and the MKL2500 is no exception. All engineers can now benefit from the tube sound without paying huge prices. The MKL2500 is a fine all-around mic, suiting digital recording perfectly, adding character to digital recordings and maintaining a very low noise floor.
Dist. by A&F McKay Audio
Unit 6, Colhook Industrial Park,
Petworth, Sussex, UK GU28 9LP
(+44) 142/870-8400
www.oktava.net

World Radio History

Pauly Superscreen Pop Filters

German-made Pauly Superscreen Pop Filters are only available in the U.S. via www.transaudiodirect.com. Manufactured by Tonmeister Hilmar Pauly, using proprietary materials, these Superscreens outperform any other currently available, with increased high end and unparalleled wind rejection—a must-have for confidently capturing up-close, intimate vocal takes. Measuring 4⅝ inches in diameter and ¾-inch deep, they have a unique non-scratch, adjustable clamp for easy mounting directly to the microphone body. MSRP: $130-$140.
Dist. by Transaudio Direct
4760 W. Dewey Dr., Suite 129
Las Vegas, NV 89118
702/365-5155; fax 702/365-5145
www.transaudiodirect.com

Schoeps U.S. Edition Mic Sets

Redding Audio, in cooperation with Schalltechnik Schoeps GmbH, is pleased to introduce a new series of U.S. Edition Microphone Sets. Available only in the U.S. through authorized Schoeps dealers, the sets comprise our most popular amp/capsule combinations with accessories in a custom wooden case—at additional cost savings to customers. The initial offering includes four single microphone sets. These sets include a CMC6 amplifier with capsule, an SG20 stand clamp and B5 foam popscreen.
Dist. by Redding Audio
97 South Main St., #10
Newtown, CT 06470
203/270-1808; fax 203/270-2934
www.reddingaudio.com

SE Electronics (TBK) Z-5600 Tube Mic

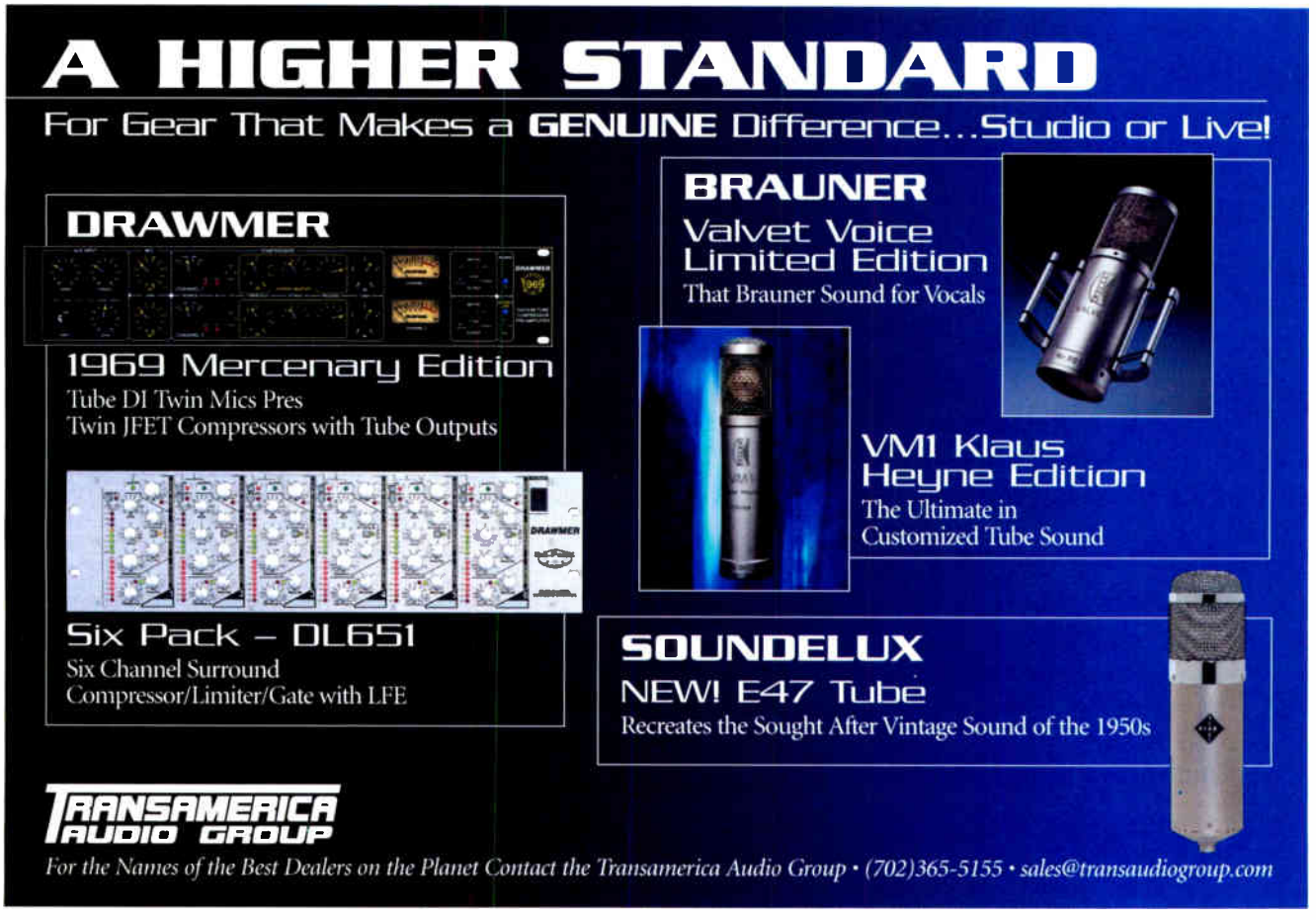
This studio tube condenser has a 24-carat gold-sputtered diaphragm that's increased from a standard 1 inch to a super-large 1.07 inches. This results in a fatter bottom-end response and a higher sensitivity. The Z-5600 uses a replaceable 12AT7 tube circuit with very low self-noise. Features include a 9-position polar pattern selector on its custom power supply, allowing users to switch gradually between the omni, cardioid and figure-8 patterns, providing superior control in any recording environment. Includes p/s, shockmount and aluminum briefcase. Retail: $649.
21 621 Stevens Creek Blvd.
Cupertino, CA 95014
408/873-8606; fax 408/873-7670
www.seelectronics.com

Shure SM86

Combining the ruggedness of Shure's legendary SM line with the studio-quality audio of a Shure condenser, the SM86 handheld vocal microphone has a cardioid polar pattern and a wide frequency response of 50-18k Hz. The mic additionally delivers high gain-before-feedback and a tailored frequency response for clear reproduction of vocals. Accessories with each unit include a microphone clip and vinyl storage pouch. MSRP is $300.

Shure KSM109/SL

The three new KSM condenser instrument mics feature transformerless preamplifier circuitry and an extended frequency response for a smooth and focused reproduction. The mechanically switching dual-pattern KSM141, cardioid KSM137 and cardioid KSM109 will be introduced at AES 2002. MSRP ranges from $305 to $770.
222 Hartrey Ave.
Evanston, IL 60202
847/866-2200; fax 847/866-2279
www.shure.com



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Your Most Important Audio Components ...Your Ears

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Contact Sound Partners™ at the House Ear Institute (HEI)
www.hei.org
(213) 483-4431
soundpartners@hei.org

Sony ECM-88 Lavalier

Sony Electronics introduces a comprehensive range of new mic products at this year's AES. Sony's new ECM-88 lavalier electret condenser microphone integrates unique technology in its miniature microphone capsule by incorporating a dual-diaphragm structure. The ECM-88 offers extremely low handling noise and unparalleled high sound quality.
1 Sony Dr.
Park Ridge, NJ 07656
800/686-7669
www.sony.com/proaudio

Soundelux EFET 47

The EFET 47 is designed for the same application niche as a classic FET47 and 87FET combined. Soundelux achieved this dual-purpose application by building two mics into one: a top-quality German capsule mated to two completely different-sounding sets of internal mic electronics via a convenient switch for amazing performance at an amazing price. Includes low-cut switch and attenuation pad. MSRP: $2,100.
Dist. by Transamerica Audio
4760 W. Dewey Dr., Suite 129
Las Vegas, NV 89118
702/365-5155; fax 702/365-5145
www.transaudiogroup.com

SoundField 422B

SoundField lowers the price of B-format output microphones and offers the ability to use 5.1 with the introduction of the 422B microphone. The 422B can be mated with the two-rackspace SoundField SP 451 decoder for 5.1 output. The SPS422B can operate in an infinite number of continuously variable polar pattern and stereo width combinations. The 422B is priced at $5,000.
Dist. by Transamerica Audio Group
4760 W. Dewey Dr., Suite 129
Las Vegas, NV 89118
702/365-5155; fax 702/365-5145

Telefunken USA Ela M 2S0/2S1

Telefunken is back with reissues of the classic Ela M 250/251 studio tube microphones. Debuting at AES, these mics are hand-built in the USA to original German specs, with the same methods used to make the originals 40 years ago. Telefunken USA also offers replacement parts for all Ela M and U47/48 mics, cables, power supplies, CK-12 capsules and restoration of vintage mics.
860/882-5919
www.telefunkenusa.com

Mixing Consoles

Allen & Heath PA Series

In response to customer requests for pro-quality mixers for smaller shows, Allen & Heath shows the first two consoles in its PA Series, the PA12-CP and PA20-CP (12 and 20-channel) powered mixers. Both consoles include a Constant Power amplifier, providing 500 watts per side into either 4 or 8 ohms without loss of power.

Allen & Heath iDR Series

Allen & Heath announces the iDR Series of audio mixers and processors for installed and live sound systems. The iDR Series features the iDR-8 audio mix processor, an 8-in/8-output digital mixer and processor in a 2U rack or desk-mount chassis. Allen & Heath will also show iDR-in and iDR-out expander options, plus a range of remote-control devices for building tailored iDR systems.
Dist. by Allen & Heath USA
Agoura Business Center East
5304 Derry Ave., #C
Agoura Hills, CA 91301
800/431-2609
www.allen-heath.com

AMS Neve Logic MMC

The Dolby-approved Logic MMC will be demonstrated with a variety of product enhancements at AES. The console's 96kHz operation, XSP DSP engine and MIOS-96 I/O suite make the console a must-have for facilities requiring DFC feature power in a smaller footprint. The console s well-suited for post-production, film, DVD and music facilities alike.

AMS Neve 88R

Neve's successful 88R console is enhanced with new features and options: The cue mix output capacity is doubled; aux buses can be split at the cente· of the console for independent left-/right-hand side outputs; a mappable, automated dual-joystick option simplifies complex stereo and 5.1 pan movements; stereo panning is automatable; phantom center panning on the LCR bus is offered; external signals can be introduced directly on the mix buses; the remote mic amp control software is enhanced; and more. Also, the 88R's Remote Mic Preamps (shown above), which are already in use with 88R consoles worldwide, are now offered as stand-alone modules.
100 Sixth Ave., Fifth Floor
New York, NY 10013
212/965-1400; fax 212/965-3739
www.ams-neve.com

Audient Aztec Live Console

This console is completely modular, with a new tubular, lightweight frame and 32/40/48-input channels. Features include 12 VCA sub groups, VCA solo, 12x8 matrix, eight audio sub-group buses, eight mono/two stereo aux buses and LCR outputs. A stereo ambience input on the master section facilitates in-ear monitoring, while scene automation and peak LED meters on groups, matrix and auxiliary ou:puts simplify/optimize gain structure. Competitively priced from $39,700 to $54,900 (MSRP).
Dist. by The ATI Group
8301 Patuxent Range Rd., Suite A1
Jessup, MD 20794
301/776-7879; fax 301/776-5025
www.audient.com

World Radio History

Cadac S-Type Live Console

Cadac's new entry-level mixing console, the S-Type, combines Cadac quality in a small, cost-effective package, setting a new standard for a compact, high-performance mixer at an affordable cost. USA price is approximately $22,000. Typical specification: 25-way frame, with 16 mono inputs; eight group/matrix/mono aux outputs and DC master faders; and an osc/comm module. With Cadac's unique frame design, any module slots into any position in the frame.

One New Street
Luton, Bedfordshire, UK LU1 5DX
(+44) 1 58/240-4202
www.cadac-sound.com

Calrec Sigma 100

The Calrec Audio Sigma 100 is the company's second all-digital television production console, based on the proven architecture used in the Alpha 100. All channels include 4-band EQ, separate filters, compressor/limiter/expander, surround and stereo panning, and mix-minus outputs. Other features include four surround main outputs, 12 auxes, 24 MT and eight groups, with 5.1 and stereo monitoring.

Nutclough Mill
Hebden Bridge, West Yorkshire, UK HX7 8EZ
(+44) 0 142/2842-159
www.calrec.com

Crest Performance CP-6210/CP-6220

The Crest Performance CP-6210 and CP-6220 are high-performance pro music program mixers. Designed in the style of classic DJ mixers, these offer improved performance specs, including a low phase shift (minimum signal smear) design. The CP-6210 offers basic 6-channel stereo mixing and signal monitoring; the CP-6220 adds EQ control and assignment, as well as crossfade capabilities to each input channel. Pricing: TBA.

16-00 Pollitt Dr.
Fair Lawn, NJ 07410
201/909-8700; fax 201/909-8744
www.crestaudio.com

DiGiCo UK Limited D5 Live

DiGiCo announces the launch of the ultimate large-format digital mixing console touring package, the D5 Live. The fully flight-cased system can be configured as a 56- or 96-input console, both incorporating an industry-praised, user-friendly surface with the added benefits of optical-to-stage, digital TFT touchscreens and full-function processing on every channel. Visit our AES demo room to experience the future of live digital performance.

The School House
4 Dorking Rd.
Epsom, Surrey, UK KT18 7LX
(+44) 0 137/2845-600
www.digiconsoles.com

Euphonix Max Air

Euphonix will demo Max Air, a new digital audio mixing console specifically designed for on-air and live-to-tape broadcast production. The console is extremely competitively priced for its rich digital feature set and advanced technology. The Max Air console is based on the proven technology and software of the Euphonix System 5 console; it shares the same DSP core and I/O as System 5 and includes much of the same processing and control software.

Euphonix System 5 V. 2.6 software

Euphonix will demonstrate Version 2.6 software for System 5. More than 100 System 5 consoles have been sold worldwide. This high-performance, 24-bit/96kHz digital audio mixing system comprises a control surface, digital-processing core, digital and analog interfaces and eMix system-management software. The control surface follows traditional conventions and layout, so learning/use of the console is much easier. Effects returns include the same number of buses, aux sends, EQ, filters and dynamics—all processed at 40-bit.

220 Portage Ave.
Palo Alto, CA 94306
650/855-0400; fax 650/855-0410
www.euphonix.com

Fairlight DREAM Console

This pro digital audio production system configured as a large-format mixing console offers Fairlight's QDC Technology engine. Features: 48 tracks of 24-bit, 96kHz recording with Binnacle editing; up to 192 inputs to the mix; 12 aux buses up to 7.1 each; eight sub-buses up to 7.1 each; multiformat main bus to 7.1; up to 48 multitrack buses; real-time 6-band EQ and 2-stage dynamics on all channels; dynamics on all buses; enhanced surround panning; up to 84 faders; total dynamic automation with moving touch-sensitive rotary encoders and faders; and a modular, customizable control surface. From $107,485.

844 N Seward St.
Hollywood, CA 90038
323/465-0070; fax 323/465-0080
www.fairlight.net

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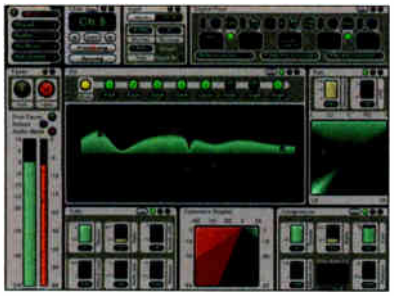

Harrison by GLW ST2

The ST2 offers a new touch-sensitive control surface, new PCI-based IKIS automation and Harrison's proven 768-channel digital.engine. The TD Series is a powerful digital film/video mixing system offered in a traditional console format to facilitate ease of use. Features: progressive, ergonomic control surface; touch-sensitive shaft encoders; backlit displays; multi-operator options; multisurface options; I/O format options; customization for specific applications via the powerful IKIS platform; up to 168 summing buses for extensive routing/mix capabilities; dynamic channel profiling; enhanced EQ/panning; signal ID; and up to 384x16 monitor matrices.

Harrison by GLW MPC3D

The MPC3-D has a new control surface, new PCI-based IKIS automation and Harrison's proven 768-channel digital.engine. The MPC3-D is a radically different, powerful digital mixing system presented as a traditional film console to facilitate ease of use. Features: multi-operator options; multisurface options; I/O format options; customization for specific applications via the powerful IKIS platform; up to 168 summing buses for unprecedented routing and mix capabilities; dynamic channel profiling; enhanced EQ/panning; signal ID; and up to 384x16 monitor matrices.
1024 Firestone Parkway
Nashville, TN 37086
615/641 7200; fax 615/641-7224
www.harrisonconsoles.com

JLCooper Mini

JLCooper announces the Mini, the world's smallest compact controller for DAWs, including Pro Tools, Nuendo, Cubase SX, Xtrack, Soundscape, Digital Performer and others. This subminiature control console has 32 physical faders, each with dedicated buttons for Mute, Solo, Track Arming and more. It also offers transport controls, function keys, a weighted jog/shuttle wheel and rotary knobs (for controlling pan, EQ and plug ins), and a footswitch connector for start/stop and punch. The Mini packs all this into a 9x7.5-inch package for $499.95. MIDI, USB and other versions will be offered.
142 Arena St.
El Segundo, CA 90245
310/322-9990; fax 310/335-0110
www.jlcooper.com

Kamesan KS-342 Compact Mixer

This feature-packed 4-channel mixer for film/video location recording includes 12/48VDC phantom power, LCF, internal oscillator, VU or peak meter option, PFL, MS facility, compressor, ganging, sub-mixing and digital out. An all-weather carry case is available, and options include the KS-6001 submixer plug-in module, which provides an additional four input channels and the KS-6002 EQ/Compressor module. MSRP: $3,850.

Kamesan KS-T2000 Compact Mixer

The KS-T2000 3-channel mixer is a lightweight location mixer offering 12/48VDC phantom power, LCF, multilevel stereo output, oscillator and switchable headphone monitoring with EE input. The mixer operates for six hours on four AA cells. An optional soft case provides storage and all-weather access to controls and connectors. MSRP: $1,700.
Dist. by HHB
743 Cochran St., Bldgs. E & F
Simi Valley, CA 90365
310/319-1111; fax 310/319-1311
www.kamesan.co.uk

Mackie Designs Mackie Control

With an automated touch-sensitive control surface, Mackie Control is a 9-fader (eight channels and master) MIDI controller that provides in-depth mixing, editing, automation and navigational control for any supported digital audio workstation. The Mackie Control adheres to a compact, desktop-style design, is supported by a plethora of DAW manufacturers, and offers a full range of pro features and controls.
16220 Woodinville-Redmond Rd.
Woodinville, WA 98072
425/487-4333; fax 425/487-4337
www.mackie.com

Mixed Logic M24

The M24 remote-control/mixing surface features 24 motorized faders and 53 encoders. Software Version 1.4 adds in-depth support for Cakewalk SONAR and Digidesign Pro Tools. Software released by Fall AES will add additional programs to the growing number of supported hosts. MSRP: $3,499.
6507 E. Vancey Dr.
Brook Park, OH 44142
440/826-1676; fax 440/826-1399
www.mixedlogic.com

Otari DB-10 Broadcast Console

The DB-10 digital broadcast console can be configured with up to 10 input channels, including A/B input switching. Features include snapshot automation, internal project management, 3-band equalization, comp/limiters on each channel (with up to 20 presets), programmable input delay, overload indication and two mono N-1 buses for telephone hybrids. The DB-10 is equipped with 24-bit analog and digital I/Os, and supports all sample rates from 32 to 96 kHz, including sample-rate conversion. Price: $8,500.
8236 Remmet Ave.
Canoga Park, CA 91304
800/877-4577; fax 818/594-7208
www.otari.com

Peavey Club Mix

Peavey's $699.99 Club Mix is a 4-channel, 8-input DJ mixer. The innovative Cue section allows monitoring of effects or samples in the headphones from any of the inputs before sending them to the house. The A/B Compare switch allows a visual comparison of signals assigned to each side of the crossfader. A "Phat" EQ control reduces mid-frequencies and boosts bass and highs. The mixer's paint and knobs react to blacklight.
411 A St
Meridian, MS 39305
601/468-1410; fax 601/486-1214
www.peavey.com

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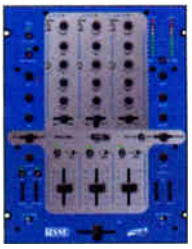


Rane Empath

The Empath mixer is the first 3-channel, 10-inch format mixer to offer big board features and studio-quality sound. The mixer is feature-packed, yet easy and intuitive to use. Grandmaster Flash is responsible for many of the important features, control locations and even the name. Empath implies understanding, awareness and sensitivity to DJ's needs. The Empath mixer is designed for professional DJs and applications such as clubs, broadcast, competition, remix and live sound. Retail: $1,199.
10802 47th Ave. W.
Mukilteo, WA 98275
425/355-6000; fax 425/347-7757
www.rane.com

SSL XL9000 K Series Scoring System

Solid State Logic announces new developments to its flagship XL9000 K Series SuperAnalogue console, increasing its integration with the company's TEC Award-winning 956 Film Scoring System. These combine the benefits of the XL's advanced sonic performance with the application-focused features of the 956 scoring system. Other benefits include enhancements to the performance and display of the K Series' regional fader trim function and new total recall and faders display features.

Solid State Logic Avant Plus SP (Shortform Post)

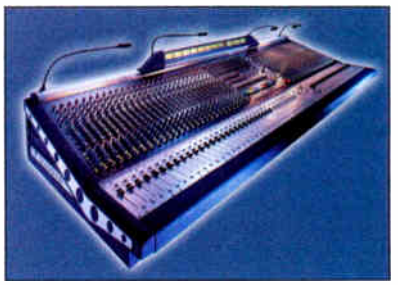
This compact-configuration Avant console package—designed specifically for short-form post applications—has new control surface features, allowing up to 192 mix inputs to be controlled from a 16-fader console. External workstations can be controlled and edited without leaving the surround listening sweet spot. Combined with Avant's integrated nonlinear automation and comprehensive surround monitoring, the SP package can produce commercials with ease, yet still cope with drama-scale productions when the opportunity arises.
Spring Hill Rd.
Begbroke, Oxford, UK OX5 1RU
(+44) 0-186/584-2300
www.solid-state-logic.com

Sony DMX-P01 Portable Mixer

Designed for high-performance ENG/EFP on-location applications, Sony's DMX-P01 is a 4-input portable digital mixer with 24-bit, 48/96kHz AD/DA conversion. An LCD allows easy set-up of the onboard digital limiter/compressor and EQ.

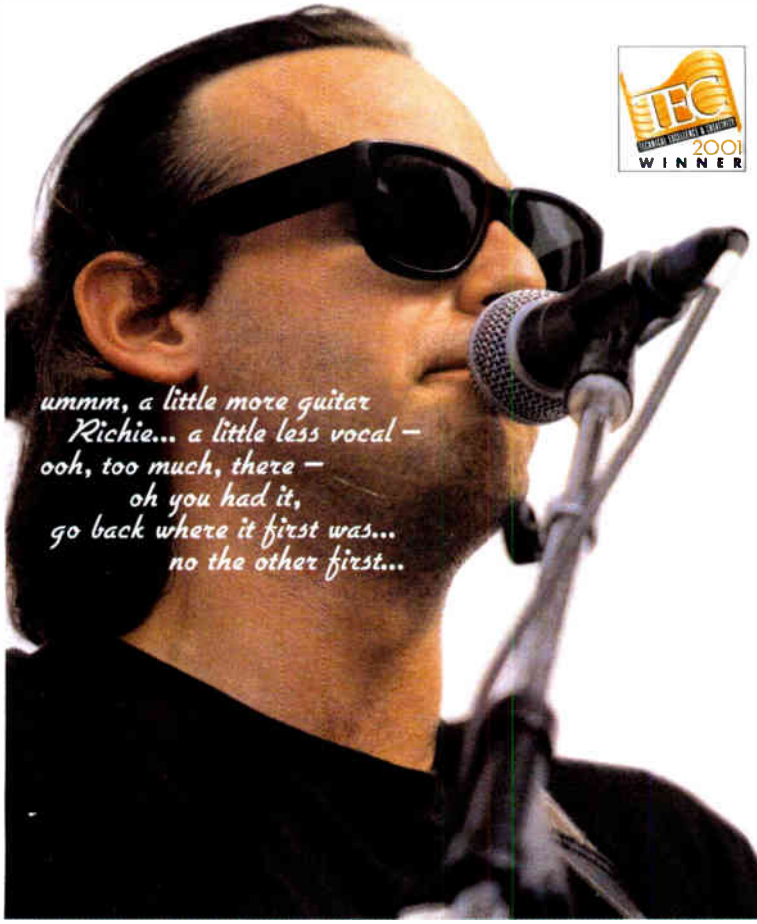
Sony SIU-100 and DMBK-S101

Sony's new mixing products include the SIU-100, a MADI-based I/O system that has a 160x160 audio matrix with front panel or Ethernet control, 100 recallable snapshots and available redundant power supply. The DMBK-S101 is an 8-channel, remote-controlled mic preamp. The SIU-RM101 is a dedicated remote-control unit for the DMBK-S101 that can control up to 56 microphones from 300 meters away.
1 Sony Dr.
Park Ridge, NJ 07656
800/686-7669
www.sony.com/proaudio



Soundcraft MH4 S6-Channel

Soundcraft has topped off its MH4 family of multipurpose live performance mixing consoles with a new 56-mono/4-stereo-channel frame size. The design topology of the MH4 allows it to serve as either a dedicated FOH or monitor desk, or as a combination of both. The console features 20 auxiliary buses, new mic amp and EQ designs, eight VCA and eight mute groups with snapshot automation, true LCR panning and outputs, and integral 20x8 matrix. MSRP: $42,995.
1449 Donelson Pike
Nashville, TN 37217
615/360-0471; fax 615/360-0273
www.soundcraft.com



TEC 2001 WINNER

HEY, IF YOU WANT THE PERFECT MIX, WHY NOT DO IT YOURSELF?

NOW, MUSICIANS CAN CREATE THEIR OWN PERSONAL, ON-THE-FLY, MIX RIGHT ON STAGE OR IN THE STUDIO.

Why is it always so hard to get a simple thing like your monitor or headphone levels correct. Sometimes it takes longer to tell the sound board guy what you want than it does to tune your guitar. Well, Furman just made what should be a simple task—well—simple!

The Furman Remote Mixer, and its accompanying distribution system, allow you to have your very own personal mixer sitting next to you on a mike stand. It gives you (and fifteen others) up to 8 mono and 4 stereo signals for on-the-fly control. No more hand signals to the engineer. And it doesn't even need its own power—so no hook-up hassles.

So why get aggravated listening to a lousy mix that's anything but a pure delight. Get Furman. And purify your mix.

The HRM-16
The remote mixer that sits right next to you on a mike stand.

The HDS-16
Connects up to 8 remote mixers.

FURMAN
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World Radio History

Sound Devices 442N

The 442N is a new variation of the popular 442 field mixer with a Norbic scale PPM meter. The 442N includes all of the recent improvements to the 442, including: three-color GaN LED output meters, four levels of meter brightness, peak/hold metering option, Hirose 4-pin DC jack, and mic/line switchable TA3 master and direct outputs. The 442N and 442 retail for $3,195.

300 Wengel Dr.
Reedsburg, WI 53959
608/524-0625; fax 608/524-0655
www.sounddevices.com

Soundtracs DS-3B

The Soundtracs DS-3B is a 32-bit, floating-point digital console, with each of the 64 or 96 channels having 4-band parametric EQ, two filters and dynamics sections. The innovative worksurface, available with either 24 or 32 faders, incorporates touch-screen technology in conjunction with 25 or 33 motorized faders. Operating at 96 kHz or 48 kHz with 24-bit conversion, it provides 32 output buses, each with limiters for stereo, LCRS and 5.1 formatting. Complete with subtractive mix-minus GPO, GPI and full redundant PSUs, helping to make this the most powerful digital broadcast console in its class.

Dist. by DiGiCo UK
The School House, 4 Dorking Rd.
Epsom, Surrey, UK KT18 7LX
(+44) 01 372/845-600
www.digiconsoles.com

SPL MMC-1 Multichannel Mastering Console

The Sound Performance Lab MMC-1 operates in the center of a mastering environment, handling tasks such as speaker management, source connectivity, audio metering, track assignment, master and monitor level setting, and automated insert routing of external processors. Thanks to SPL's Supra op-amps (120V operating voltage, S/N 116 dB, dynamic range 150 dB), the MMC-1 will not "bottleneck" using high-resolution PCM or DSD technologies.

Sohlweg 55
Niederkruechten, Germany 41372
(+4) 921/639-8340
www.spl-usa.com

STK Pro Audio VM11TD

This 9-channel, 3x300-watt tri-mode powered mixer offers onboard digital effects. Each channel features a 3-band EQ and two aux sends. Master section features one stereo aux return and triple 7-band graphic EQs. Power amps can be configured for stereo FOH plus monitor, or bridged mono FOH plus monitor. There is also a built-in crossover with subwoofer output. MSRP: $999.95.

STK Pro Audio VX1443R

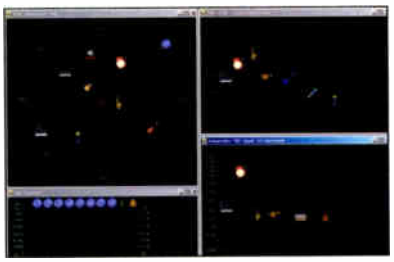
The VX1443R is a rackmountable, 14-input (10 XLR), 4-bus mixer. Channels have 4-band fixed EQ and four aux sends. Channels are routable to subgroups; subgroups are routable to L/R. Also featured are two stereo aux returns, AFL/PFL, onboard 7-band graphic EQ and a subwoofer output. MSRP: $829.95.

Dist. by Redwood Music Corp.
Box 901705
Sandy, UT 84090
801/947-5750; fax 801/947-5752
www.redwoodmusic.com

Studer Vista Remote Bay

The Vista Remote Bay expands the power of Studer's acclaimed new Vista 7 digital console by providing the same functionality of one of the Vista 7's standard 10-channel bays. The Remote Bay expands the number of available faders, and its operation and navigation through the DSP is identical to the console channels. The unit can also operate up to 400 meters away, as an independent controller with its own choice of channels to be controlled, for applications such as submixing in a TV studio or an OB van, or as an onstage/in-audience remote to the main console in live applications, location broadcasts, etc.

30 Althardstrasse
Regensdorf, Switzerland 8105
(+4) 101/870-7511
www.studer.ch



Voyager Sound GraphiMix PRO

Voyager Sound's GraphiMix is a versatile audio mix surface technology that gives real-time visual and aural control of mix productions. It is truly a universal mixing interface. GraphiMix employs a user-definable onscreen mix surface with image or text icons to represent individual sound elements. Supports multiple stereo and surround sound mixes simultaneously. GraphiMix software improves artistic control while significantly reducing production time. Ideal for post-production, surround, sound reinforcement and lighting applications.

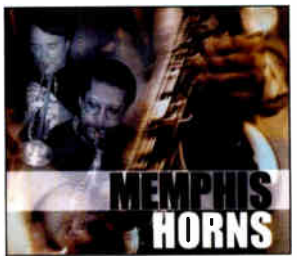
95 Newton St.
Weston, MA 02493
781/893-2574; fax 781/893-2574
www.voyagersound.com

Yamaha PM5000

At AES 2002, Yamaha Commercial Audio Systems Division will introduce the PM5000 analog sound reinforcement console, which features 52 inputs, 35 mix buses, 12 VCAs, a 16x37 matrix, 1,000-scene recall, and Yamaha's redesigned mic preamps and EQs.

6600 Orangethorpe Ave.
Buena Park, CA 90622
714/522-9011
www.yamaha.com/proaudio

Music Products



ILIO Entertainments Memphis Horns

This CD-ROM sample library features trumpet and trombone, as well as baritone and tenor sax sounds from the world-famous Memphis Horns duo of Wayne Jackson and Andrew Love. This multidisc, phrase-based collection delivers phrases in their original form or divided into flexible short phrases. Memphis Horns includes phrases ranging in tempo from 70 to 140 bpm. The CD-ROM library is $299 for the multidisc collection; a two-disc CD-audio set is $149.

Box 6211
Malibu, CA 90265
818/707-7222; fax 818/707-8552
www.ilio.com

Mesa Rectifier Recording Preamp

Featuring pure analog "Recto Direct" recording circuitry (no digital modeling), six 12AX7 tubes and six modes (Clean, Fat, Brit, Raw and Vintage/Modern High Gain), this unit provides a direct guitar output that sounds like hours spent in the finest studios. Besides the versatile tone-shaping (gain, bass, mid, treble, presence and master) controls on each channel, the unit's flexible recording functions include: live/record output levels, solo level, parallel FX loop with stereo returns and mix control, and independent stereo main and recording outputs.

1317 Ross St.
Petaluma, CA 94954
707/778-6565; fax 707/765-1503
www.mesaboogie.com

Reel Drums

Performance-oriented drum loops arranged in song format, the Reel Drums package has 27 sessions of 24-bit drum tracks, multitracked for complete ambience control at a great drum room (Bear Tracks, Suffern, N.Y.). Joe Franco (credits include Mariah Carey and Celine Dion to Twisted Sister) plays a selection of grooves—ballads, pop, alternative to slamming double bass. Available for Pro Tools and Nuendo, tracks were engineered by Kooster McAllister on the legendary Record Plant Remote.

1170 Greenwood Lake Turnpike
Ringwood, NJ 07456
973/728-2425; fax 973/728-2931
www.reeldrums.com

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Roland MC-09 PhraseLab

The MC-09 PhraseLab™ is a new creative tool for producing loops. Combining an analog-modeling synth, step sequencer, 4-part audio looper and effects processor, this instrument helps musicians develop loops with multiple variations. The MC-09 is a must for musicians, DJs and synth enthusiasts who work with audio phrases and want powerful analog-modeled synthesis at an affordable price. Price: $445.
5100 S. Eastern Ave.
Los Angeles, CA 90040
323/890-3700; fax 323/890-3701
www.RolandUS.com

Sound Ideas "Just Birds & Animals II"

Just Birds & Animals II—the second pair of effects CDs in Sound Ideas audio ark—features animals, birds and natural ambiences from around the world. The collection includes apes, hippos and hyenas, buffalo, horses, moose and wolves, domestic pets and farm animals, many different birds, badgers, wolverines, snakes, dragons, Tasmanian devils, lions, tigers and bears—oh, my! At $250 and with more than 340 sound effects, *Just Birds & Animals II* adds great wildlife to your productions!

Sound Ideas "Impact Effects 2"

Impact Effects 2 from Sound Ideas—another smash hit! Take out your frustrations with 700 more small, medium and large crashes, scrapes, hits, drops, falls, disasters, demolitions and heavy thuds. This single CD contains a wide variety of objects and surfaces, many different impact styles and tons of debris. At just $129, *Impact Effects 2* is guaranteed to give you your next big break!
105 West Beaver Creek Rd., Suite 4
Richmond Hill, Ontario, Canada L4B 1C6
905/886-5000; fax 905/886-6800
www.sound-ideas.com

Spectrasonics Stylus Vinyl Groove Module

Spectrasonics' Stylus Vinyl Groove Module is a software instrument plug-in featuring a 3-gigabyte library of diverse groove elements, loops and samples, and can be used as a native plug-in instrument in hosts like Logic, Digital Performer, Cubase VST, Nuendo and Pro Tools. All 1,000 loops on Stylus are presented as Groove Control-activated versions, providing independent control over the groove's pitch, tempo, feel and pattern without the need for DSP. Stylus lists for $299. MAS, RTAS and VST Mac/PC included.

Spectrasonics Trilogy Total Bass Module

Trilogy, from Spectrasonics, is a software instrument plug-in that integrates a custom 3-gigabyte library of more than 1,000 electric, acoustic and synth bass sounds, in a dual-layered format for flexible patch creation and manipulation. A total bass module, Trilogy can be used as a native plug-in instrument with hosts like Logic, Digital Performer, Cubase VST, Nuendo and Pro Tools. Trilogy lists for $399. MAS, RTAS and VST Mac/PC included.
Box 7336
Burbank, CA 91510
818/955-8481; fax 818/955-8613
www.spectrasonics.net

World Radio History

MICS, PREAMPS, PROCESSORS

PMI AUDIO GROUP TEAMS UP WITH STEPHEN PAUL, STUDIO PROJECTS & TOFT AUDIO DESIGNS

PMI Audio Group is proud to announce the development and distribution of several flagship microphones and professional audio processing tools for AES 2002. Among the range of products are stunning new studio microphones from legendary designer Stephen Paul, a range of powerful—yet affordable—studio processors from Toft Audio Designs and new Studio Projects products that further the company's reputation for award-winning performance at affordable prices.

First and foremost from PMI is a recently announced partnership with famed microphone designer Stephen Paul. Long known for his modifications of current and vintage pro condenser microphones—as well as technical refinements in capsule and amplifier design—Stephen Paul has partnered with PMI to effectively enter a microphone market he helped create.

"With PMI Audio Group and Alan Hyatt, I have found the type of partner that I have sought for many years," said Paul. "For the new line of flagship Stephen Paul condenser microphones, we have agreed that compromise is not an option. Perfection is a must. I believe that our new line of microphones will turn the industry upside-down, offering unsurpassed boutique mic quality at unheard-of prices."

PMI is also proud to announce a partnership with Toft Audio Designs. While the company name may be new, the man behind Toft Audio Designs is none other than Trident Audio founder and renowned engineer Malcom Toft. The latest releases from Toft Audio Designs include the ATC-2 Dual MicPre/EQ/Compressor, AFC-2 Dual MicPre/4-Band Sweep EQ, TFC-2 Dual FET Stereo Compressor/Limiter and ATC-1 Mono MicPre/EQ/Compressor. All feature very high-quality components and impeccable construction throughout. From classic FET compression to precise VU metering, extremely musical EQ, and thick, rugged anodized aluminum front panels, these rackmount processors bring top-end performance to more accessible price points, perfect for a wide range of project studio and live sound applications.

Finally, Studio Projects is making project studio owners' lives that much easier with a collection of affordable new microphones and the amazing VTB-1 Mic Preamp. Studio Projects mics include: the C1 and B1 cardioid large-diaphragm condensers; the C3 and B3 multipattern mics; the T3 multipattern tube mic; the new C4 matched-pair, small-diaphragm mics; and the new top-of-the-line LSD-2 large-diaphragm stereo mic. Each of these models is designed to compete with mics costing hundreds or thousands more—at a fraction of the cost owners would pay for a world-class microphone.

The perfect complement to Studio Projects microphones, the VTB-1 is the ultimate in low-cost mic preamp technology. Incorporating high-end touches, such as true Class-A/B switching and a totally discrete circuit design, the VTB-1 also boasts a "Tube Blend" feature. Based on the classic 12AX7 vacuum tube, this function allows users to blend in as little or as much overdrive as they like—perfect for recording guitar or bass. While offering the most flexibility of any mic pre in its class, the VTB-1 follows the Studio Projects tradition of high quality at irresistible prices.

There's more to come: The SP-828 8-channel microphone preamp/mixer offers all the features you'd expect from Studio Projects. The SP-828 will debut at NAMM 2003. ■

PMI AUDIO GROUP

PMI Audio Group
23775 Madison St.
Torrance, CA 90505
310/373-9129
www.pmiaudio.com

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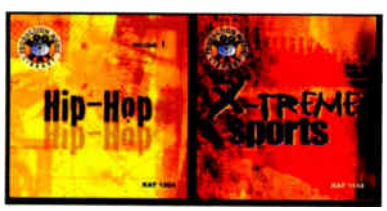
TAL Audio Armadillo Blues Preamp

This studio-quality, low-noise guitar preamp with a footswitchable overdrive circuit is designed for live and studio recording. The 100% analog design instrument preamp interfaces with both pro and semi-pro recording equipment, instrument amplifiers and was specifically developed for direct-injection recording. The product was developed to provide a high-end, economical solution to instrument interfacing with professional audio consoles and musical instrument amps. List: $159.
23324 NW 102 Ave.
Alachua, FL 32615
386/462-5060
www.talaudio.com

TRF Production Music "Power Distortion"

An excellent production elements CD has 492 powerful broadcast-quality production elements produced by Weirdoactivity. The CD includes cool-sounding beeps, lasers, flashers, power tones, whooshes, sweeps and many other special effects. A demo is available upon request.



TRF Production Music "Kool Kat"

TRF adds 30 new CDs to the Kool Kat production music library, now containing 50 outstanding contemporary, retro and traditional CDs. New releases include styles ranging from old-school funk, country, ragtime, ethnic and jazz to cutting-edge electronica, hip hop, rock, world beat, Latin and extreme music. Kool Kat discs contain full-length and jingle-length versions.
747 Chestnut Ridge Rd.
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www.trfmusic.com

Vienna Symphonic Library

The first releases from the most comprehensive orchestral sample library ever can now, for the first time, be heard and tested in a sound-proof cube at the AES convention in L.A. The DVD-ROM collections already feature more than 100,000 single-note and phrase samples of strings, brass, woodwinds and percussion, played by top musicians from Vienna's renowned orchestras and recorded in a specially designed soundstage. Further editions on hard drive will follow.
89 Draschestrasse
A-1230 Wien Austria
(+4) 316/176-3130
www.vsl.co.at

Power Amplifiers

Carver Professional CV Series

The CV Series products are designed exclusively for the system integrator and sound contractor, including two mono amps at 150 watts and 250 watts, and three dual-channel amps from 150 watts/channel to 400 watts/channel. All CV products are designed as constant-voltage amplifiers and capable of output into 4-ohm load, 8-ohm loads, 25V, 35V, 50V, 70V and 100V. Optional modules include DSP, paging and a 4-channel mixer.

Carver Professional ZR Series

The new ZR Series amps are available in 1,600, 1,000 and 500-watt models. Standard features include linear power supply, ultrahigh-efficiency Digital Power Processing amplifier section, super-quiet variable-speed fan cooling, highpass filters, clip limiter, independent ground lifts, adjustable input sensitivity, XLR polarity, level control bypass and remote power on/sequencing. Optional plug-in modules include DSP, single or dual-zone paging, 4-channel mixer/preamp.
9300 North Decatur
Portland, OR 97203
888/376-7475; fax 503/978-3302
www.carverpro.com

Crest Pro200 Series

The new Pro200 Series amps offer the same sonic integrity as their Professional Series predecessors, with increased power and less weight in a smaller package at a more affordable price. The three new models (each 2RU, and all weighing 25 lbs.) are the Pro8200 (1,450 watts/channel into 4 ohms), Pro7200 (1,000 watts /channel) and Pro5200 (525 watts/channel). Introductory list prices are: $2,630, $1,970 and $1,490, respectively.
16-00 Politt Dr.
Fair Lawn, NJ 07410
866/812-7378; fax 201/475-4677
www.crestaudio.com

Crown TCP/IQ Modules

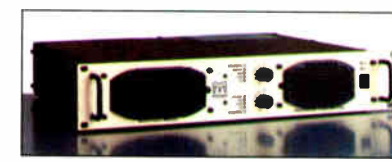
At AES, Crown debuts three new amp modules incorporating the company's new TCP/IQ network communication protocol: the IQ-PIP-Lite, IQ-PIP-USP3 and IQ-PIP-USP3/CN. The functionality of these modules ranges from offering basic amp control and monitoring to providing extensive digital signal processing and CobraNet compatibility. Common to all three products is Crown's widely accepted, real-time speaker load monitoring capability. Each module is compatible with Crown's MA, CT and new CTs Series amps.
1718 W. Mishawaka Rd.
Elkhart, IN 46517
574/294-8200; fax 574/294-8329
www.crownaudio.com

Hot House Four Hundred High Resolution

Designed to be the ultimate amp for high-quality near-field monitoring (like our PRM165s), the two-rackspace, convection-cooled model Four Hundred is the smallest of the new generation of Hot House amps, utilizing a radical new output topology. Each individual output device is completely self-contained and self-protecting, requiring very little support circuitry in the signal path: no caps, no protection circuits, no phase shift. A massive toroidal transformer provides high headroom for realistic musical transients. Specs: 0.005% THD, 105 dB S/N, 125 watts/channel @ 8 ohms, 200 watts/channel @ 4 ohms, $1,699.

Hot House Six Hundred/One Thousand High Resolution

Using the same innovative, new output technology as the model Four Hundred, both three-rackspace convection-cooled models are designed for near- or mid-field applications. The $2,499 Six Hundred is a universal amp comfortable into any impedance load, while the $2,999 One Thousand is built specifically to drive high-power/high-impedance monitors. A galvanically isolated, split-dual toroidal power supply provides high transient headroom and 3-D imaging. Specs: 0.005% THD, 105 S/N (both). Model Six Hundred power: 175 watts/channel @ 8 ohms, 275 watts/cannel @ 4 ohms, 350 watts/channel @ 2 ohms. Model One Thousand power: 325 watts/channel @ 8 ohms, 500 watts/channel @ 4 ohms.
275 Martin Ave.
Highland, NY 12528
845/691-6077; fax 845/691-6822
www.hothousepro.com



Martin Audio MA 4.2s

The MA 4.2s amp has been designed to combine reliability and high power output with sonic excellence. Utilizing an advanced switch-mode power supply, the MA 4.2s is characterized by very high power (2,100 watts @ 4 ohms/stereo) to weight (22 lbs.) ratio, in a 2U package. List Price:$3,899.
Box 44019
Kitchener, Ontario Canada N2N 3G7
519/747-5853; fax 519/747-3576
www.martin-audio.com

MediaMatrix Octopower 850

New from Peavey's MediaMatrix division, the Octopower 850 is a multichannel power amp featuring nine bridgeable 50-watt channels, with rear panel connections and forced-air cooling. Also included is a powerful Fault Contact feature that uses high-current Form "C" contacts for switching loudspeaker-level audio to build basic redundancy into the system, or interfacing to external alarm and supervisory systems. The Octopower 850 is a natural companion for any MediaMatrix system.
Dist. by Peavey Electronics
411 A St.
Meridian, MS 39305
601/468-1410; fax 601/486-1214
www.peavey.com

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QSC PowerLight 6.0 II

Fed by QSC's PowerWave switching power-supply technology, the PowerLight 6.0 II power amp features superior audio performance and outstanding thermal capacity. The PL6.0 II boasts selectable dip limiters for lowering distortion and to protect speakers, plus a Standby mode that enables remote AC control. The DataPort on the amp's rear panel facilitates integration into the QSControl network audio system, as well as the inclusion of DSP products, such as the DSP-4. MSRP $5,175.

QSC DSP-4

Featuring reference-grade audio performance coupled with XLR connectivity, the DSP-4 is a compact module offering two channels of independent DSP (Digital Signal Processing) that attaches to the back of most QSC 2-channel amplifiers. An economical solution for adding DSP capability to sound reinforcement systems, the unit features a fully programmable signal chain and includes crossover filters, signal delay, parametric filters, compression and limiting—accessed via an onboard RS-232 serial port using a standard PC. MSRP: $685.
1665 MacArthur Blvd.
Costa Mesa, CA 92626
800/854-4079
www.qscaudio.com

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Recording Devices/Editing Systems

Akai DPS24 V. 1.20

Akai's 24-bit/96kHz DPS24 eliminates the need for complex multiproduct interfacing by combining a pro 24-track digital recorder and full-featured digital mixer with 100mm, motorized, touch-sensitive faders. The new V. 1.20 software includes Mastering tools (multiband compressor/expander, disc-at-once CD burning, dithered bit reduction), automated scene recall and Mixer Reset functions, making the DPS24 ideal for use in project studios, DVD creation, radio broadcast production and pro recording applications. MSRP: $5,499.
4710 Mercantile Dr.
Fort Worth, TX 76137
817/831-9203; fax 817/222-1490
www.akaipro.com

Cube-Tec AudioCube 5-D530

This multichannel, 24-bit/96kHz (dual-wire 192kHz) integrated audio workstation is configurable with eight, 16, or 24 AES/EBU I/O channels, and offers the most comprehensive selection of pro audio production tools ever assembled in a single platform. The integration of DVD-Audio authoring, CD and DSD/SACD mastering, restoration, quality-controlled automated archival and audio editing, in a self-contained workstation provides unparalleled efficiency, throughput and quality control.
34 Nelson St.
Oakville, Ontario, Canada L6L 3H6
905/469-8080; fax 905/469-1129
www.cube-tec.com

Denon DN-780R

Dual auto-reverse cassette deck with two mic inputs and Dolby B/C/HX compatibility allows for cascade recording and playback with up to 15 units. Balanced XLR option board with mono switch for +4 or -10 dB output. RS-232 control port with AMX and Crestron control codes.

Denon DN-T645

Single CD player with cassette deck combo utilizing Denon's latest CD mechanism with MP3 playback, with two mic inputs and RS-232 control for AMX or Crestron control. The cassette mechanism is Dolby B/C/HX-compatible with quick auto reverse. Balanced XLR jacks with switchable mono out, +4 or -10.
19 Chapin Rd., Bldg. C
Pine Brook, NJ 07058
973/396-0810; fax 973/396-7459
www.denon.com

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Digidesign Digi 002

Digi 002, Digidesign's first FireWire-based DAW, combines control surface technology and the latest Pro Tools LE software with a potent array of analog, digital and MIDI I/O. Interfacing with your computer via a single FireWire cable for the exchange of 18 channels of audio I/O, control surface and MIDI data (16 channels in/32 out), the Digi 002 represents a new level of affordable production. The unit has eight motorized faders, rotary encoders and scribble strips, and can also serve as a stand-alone digital mixer. Digi 002 will ship with over $3,000 in Digidesign and third-party plug-ins. Retail: $2,495.
2001 Junipero Serra Blvd.
Daly City, CA 94014
650/731-6300
www.digidesign.com

Fairlight DREAM Station

Pro digital audio production system in a compact "desktop" configuration, featuring Fairlight's QDC Technology engine and offering 48 tracks of 24-bit, 96kHz recording with Binnacle editing, 56 channels of mixing, multiformat mixing and monitoring to 7.1, real-time 6-band EQ and 2-stage dynamics on all channels, dynamics on all buses, enhanced surround panning, and total dynamic automation with moving touch-sensitive rotary encoders and faders. Options include sidecar fader expansion bays, plug-in-management system, MediaLink networking, Serversound and connectivity packages. From $37,650.
844 N Seward St.
Hollywood, CA 90038
323/465-0070; fax 323/465-0080
www.fairlight.net

HHB Portadrive

Portadrive combines 24-bit/96kHz 8-channel recording with flexible onboard mixing facilities in a compact, portable package for pro location recording. Features include a 20GB removable HD, 6x2 digital mixer, high-gain/low-noise mic pre's, balanced line inputs, 8-channel AES I/O, 2-channel AES and S/PDIF outputs, 10-second prerecord buffer, timecode and sample clock sync, video sync, SCSI and RS422. Records BWF and SDII. AES31, FAT32 and Pro Tools V4/5 compliant. MSRP approximately $10,000.
743 Cochran St., Bldgs E & F
Simi Valley, CA 90365
310/319-1111; fax 310/319-1311
www.hhbusa.com

iZ Technology CC-24

CC-24 is a single-rackspace remote control and TFT display that can access and control up to eight RADAR units. $3,995 USD.
214 8988 Fragerton Court
Burnaby, B.C., Canada V5S 5H6
800/776-1356; fax 604/430-5818
www.recordingtheworld.com

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mixeditorial@primedia business.com

World Radio History

Korg D1200 Digital Recording Studio

This 12-track hard disk recorder offers 16/24-bit uncompressed recording, up to 11 simultaneous effects, 40GB hard disk, USB-based file sharing with computers and an optional CD-RW drive for producing a final CD master. An intuitive front panel guides the user through the complete song-making process. Guitar amp, cab, stomp-box and mic models are provided with three knobs for real-time control. Four inputs include two phantom-powered XLR connectors plus a dedicated guitar input.
316 South Service Rd.
Melville, NY 11747
516/333-9100; fax 516/333-9108
www.korg.com

Network Pro Digital Music Systems DigiSAM

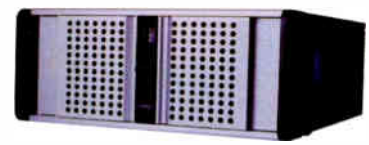
digiSAM is a digital touchscreen recording, editing and playback device. The system comprises a rackmount—or freestanding—control unit and a flat-panel touchscreen. It can load thousands of audio segments from any standard source, (TRS-balanced in and out, S/PDIF and high-speed CD reader), visually touchscreen edit them, and play each with the touch of a finger. It also features auto threshold record, time delay auto play, sample-accurate editing with zero latency, playlist management and more. Standard 8,000 minutes storage of stereo 44.1kHz, 96k-ready, optional mirrored drives available, and multihead configs for recording and playing simultaneously in a production environment. Retail: $3,495.
7656 Alderwood Ave.
Corona, CA 92880
909/272 3465; fax 909/272-3467
www.networkpromktg.com/digisam.htm

SADiE DSD Editing/Authoring System

Initially available as a stereo unit and fully upgradable to multichannel, the SADiE System is capable of producing a full Cutting Master (CM), as well as both Scarlet Book and Red Book formats. Features include DST encoding/decoding and full PCM compatibility. Up to eight channels of DSD material can be handled simultaneously. The unit is supplied as a complete turnkey system, including AIT drive and Adaptec SCSI bus with the existing powerful and familiar SADiE interface.
475 Craighead St.
Nashville, TN 37204
615/327-1140; fax 615/327-1699
www.sadie.com

Sonic Solutions LLC Sonic Studio HD V. 1.8

The Sonic Studio HD Mac-based DAW for advanced audio editing and true multiformat mastering (CD, DVD-Audio, audio for DVD-Video and SACD) supports up to 16 streams and eight I/Os of 24-bit/96kHz audio, or up to eight streams and four I/O of 24-bit, 192kHz audio, segment-based EQ and gain processing, integrated surround mixing, HD multichannel sample-rate conversion and more. All internal processing is at 48-bit resolution. Options include Sonic's DVD authoring tools, the HDSP Plug-in Processor and proprietary NoNoise restoration software. Version 1.8 is the first release of Sonic Studio HD from Sonic Solutions LLC, and features enhanced stability and numerous user requested features.
12827 Industrial Park Blvd.
Plymouth, MN 55441
763/577-1535; fax 763/577-5950
www.sonicstudio.com



Sound Chaser Studio Pro Elite

An extremely powerful native-processing DAW designed for professional environments, Studio Pro Elite's Dual AMD 1900+ processors and 1 GB of RAM is capable of recording, editing and mixing projects with up to 64 stereo tracks. Developed for Steinberg's Nuendo Production Software, the SPE features up to 24 channels of 24/96 I/O (or 48 channels of 24/48), and writes to a four-disk RAID array. Included is a DVD-RW drive, removable HDD, networking capabilities and FireWire.
1125 16th St., Suite 211
Arcata, CA 95521
800/549-4371; fax 707/826-2994
www.soundchaser.com

Tascam SX-1

The SX-1 Digital Production Environment combines automated digital mixing, hard disk recording, MIDI sequencing, extremely powerful editing, DSP effects and CD-burning capabilities in a single production unit. The SX-1 features a flexible 40-input, 32x8x8 digital mixer; 16-track hard disk recorder; highly integrated and intuitive waveform; MIDI and automation data editing; surround mixing capabilities; a 128-track MIDI sequencer; DSP plug-in technology; extensive analog, digital, MIDI and computer interfacing; and built-in timecode/sync support.
7733 Telegraph Rd.
Montebello, CA 90640
323/726-0303; fax 323/727-7635
www.tascam.com

Signal Processing, Hardware

Anthony DeMaria Labs ADL 670 Compressor

Over the years, many have tried to reproduce the sound of the classic Fairchild 670 compressor, but none has taken it to the level of Anthony DeMaria Labs' new ADL 670 Compressor. The unit is hand-built and matched part-for-part with the original—the same switches, tubes and specs—to perfectly reproduce the sound of the original.
95 Dubois Rd.
New Paltz, NY 12561
845/256-0023; fax 845/255-3202
www.anthonydemarialabs.com

Apex Intelli-Q Real-Time System Optimizer

The Apex Intelli-Q is a digital problem-solver for live sound engineers. Optimizer comprises two identical channels—each featuring graphic, parametric and shelving EQ, hign- and lowpass filters, dual-band compressor, output limiter and variable delay—that may be linked for stereo use. The software supports remote control of up to 16 units from hardwired or radio remote PC, with storage and instant recall of scenes and setups.
52 Bosdel
Genk, Belgium 3600
(+3) 208/930-6313
www.apex-audio.be

Ashly DPX-100

The DPX-100 combines proven circuitry from the popular MQX Series EQs and CLX Series comp/limiters, featuring a 15-band graphic EQ and full-function comp/limiter, all in a single rackspace. The EQ section and comp/limiter of the DPX-100 can be used independently or chained in series. The dynamics section uses peak-detection circuitry and has individual controls for gain, threshold, ratio, attack, release and output level.

Ashly DPX-200

The DPX-200 combines proven circuitry from our popular PQX Series EQs and CLX Series compressor/limiters, featuring a 4-band parametric EQ and full-function compressor/limiter, all in a single-rackspace. The EQ section and compressor/limiter of the DPX-200 may be used independently or chained together in series. The EQ section has separate mic and line inputs, and four bands of filtering; there are also two full-bandwidth parametric EQs as well as a low-shelf and high-shelf filter.
847 Holt Rd.
Webster, NY 14580
585/872-0010; fax 585/872-0739
www.ashly.com

World Radio History

SE ELECTRONICS: SONICALLY SUPERIOR

These days, new studio microphones are popping up all over, and with so many choices in so many price ranges, it has become increasingly difficult to make a sound decision. With dozens of choices that are priced so low, one has to wonder about quality, reliability, consistency and service.

SO, WHAT DOES IT ALL MEAN?

Every great recording always comes down to a great performance by a great talent, captured with a high-quality signal chain and a great microphone.

Serious users need to choose a microphone with a pedigree, a story behind the manufacturing, not an accountant. SE microphones are designed by a musical talent with a Master's degree in music and composition. A one-time conductor of one of the world's most famous symphony orchestras. In short, a great musician with great ears in search of creating sonically superior recordings.

THE Z SERIES

SE Electronics' new Z Series of studio condensers includes four models featuring ultra-large (1.07-inch diameter), 24K gold-sputtered diaphragms for higher sensitivity and a fatter bottom-end response. Z Series microphones range from Class-A FET models with pads and pattern options built in, to the classic vacuum tube design of the Z 5600, with nine polar pattern selections available on its custom power supply. This allows users to gradually switch between the omnidirectional, cardioid and figure-8 patterns for superb control in any recording environment.

THE SE SERIES

Also highly recommended is the new SE 5500 tube condenser mic, which offers vintage tube microphone performance at a fraction of what you would expect to pay. In a recent product review, the author finished his article by proclaiming that if you don't have an SE 5500 of your own, go out and get one now before they become hard to find.

Fortunately, right now, the SE Electronics Z Series and SE Series are not hard to find at all...just call your local dealer. ■

S E Electronics

Sales and Marketing by
Network Pro Marketing
Los Angeles
909/272-3465
info@networkpromktg.com
www.networkpromktg.com/se_electronics.htm
SE Electronics
Distributed by:
TBK Corp.
Cupertino, Calif.
408/873-8606
www.tbkmics.com

World Radio History

CEDAR DNS2000 Dialog Noise Suppressor

The new CEDAR DNS2000 Dialog Noise Suppressor is an automated implementation of its noise-suppression technology, designed specifically for Pro Tools users. Connected to a Pro Tools host system using just a simple USB cable, the DNS2000 processor unit provides the DSP, as well as the 24-bit AES/EBU and S/PDIF I/O for the system. With near-zero latency, 40-bit processing, and a fast, intuitive user interface, it eliminates traffic noise, aircraft, air conditioning, wind, rain, tape hiss and general background noise from recordings and live transmissions. It will even suppress excessive reverb. List: $6,525.
43 Deerfield Rd.
Portland, ME 04101
207/828-0024; fax 207/773-2422
www.cedaraudio.com

Crane Song Ibis

"Ibis," the new discrete, Class-A stereo equalizer, has four frequency bands and an adjustable low-cut filter. Also included is a Color function that can be applied to the overall audio path or to an individual frequency range. Each band has a 12dB boost/cut range, adjustable bandwidth from 0.5 octave to 3.5 octaves, and switch-selectable frequencies on musical centers covering full-step intervals. A mastering version is available.
2117 East 5th St.
Superior, WI 54880
715/398-3627; fax 715/398-3279
www.cranesong.com

dbx Professional DriveRack 260

DriveRack 260 is the latest addition to the highly successful DriveRack equalization and loudspeaker-management system. The 260 offers two inputs and six outputs with dual 31-band graphic equalizers on the input with feedback elimination, subharmonic synthesizer, time-alignment delay, various crossovers, compressor/limiters and the included DriveWare™ PC GUI interface. The DriveRack 260 is the only product you need between your power amp and mixers.

dbx Professional 2-Series

The dbx 2-Series graphic EQs are available in three different models: Model 131, a single-rackspace, single-channel unit with 31 bands; the 215, a single-rackspace, dual-channel, 15-band; and the 231, a dual-channel 31-band in a two-rackspace chassis. The 2-Series has been designed for the discriminating, yet budget-conscious users.
8760 South Sandy Parkway
Sandy, UT 84070
801/566-8800; fax 801/568-7570
www.dbxpro.com

Studios, send your session news to Robert Hanson: rhanson@primedia business.com

Demeter Tube Direct Gold Anniversary Edition

Since 1981, the Original Tube Direct by James Demeter has been the standard by which all other direct boxes have been judged. Now, to celebrate its more than 20 years in production, we are offering a limited-edition Tube Direct, hand-signed and numbered by James Demeter. Still featuring the classic design with Jensen transformers, used by George Massenburg, Al Schmitt, Lyle Lovett, The Who, CSNY and many others, it comes in a new gold box. James Demeter will be signing units to be picked up at the Demeter booth at AES.
15730 Stagg St.
Van Nuys, CA 91406
818/994-7658; fax 818/994-0647
www.demeteramps.com

Drawmer Tube Station 1

The TS1 combines a Class-A Drawmer preamp with stereo soft-knee Drawmer tube compressor and a 24-bit/96k digital converter for a warm analog path with wide dynamic range and higher digital resolution. Performs as an excellent stereo tube compressor for fattening mixes or as dedicated voice or instrument channel preamp/compressor. Used as a channel strip, the HF contour control and variable highpass filter (25-250 Hz) bring new definition, presence, and clarity to vocals or acoustic guitar. Retail: $749; the digital output option is $249.
Dist. by Transamerica Audio
4760 W. Dewey Dr., #129
Las Vegas, NV 89118
702/365-5155; fax 702/365-5145
www.drawmerusa.com

Eventide Orville Option Boards

These two option boards allow Eventide's flagship Orville processor to have a full digital input/output section, with eight channels of AES/EBU running at up to 96 kHz with 24 bits, including sample-rate conversion. The second option board brings an ADAT optical connection allowing eight channels of 24-bit digital audio (or four channels at 96 kHz, using the S/MUX standard), and an Ethernet connection to facilitate high-speed communication with a host computer for downloading VSIG algorithms, etc. Prices TBD.

Eventide Retro Algorithm Cards

These expansion cards for Orville/DSP7500/DSP7000 exactly re-create the classic Eventide DSP4000 Series effects processors. Running on the current flagship series Harmonizer effects processors, the retro cards allow customers access to classic old-school Eventide sounds. Series includes DSP4000, DSP4500, GTR4000, GTR-II and DSP4000B.
One Alsan Way
Little Ferry, NJ 07643
201/641-1200; fax 201/641-1640
www.eventide.com

Groove Tubes The DITTO Box

DITTO (Direct Input Tube Transformer Output) is the ultimate DI box and instrument preamp for stage or studio, with isolated balanced low-impedance output for all types of instruments. Provides either unity gain (as a DI), or use the variable output level control for up to 24 dB of all Class-A tube preamp gain! Perfect for directly recording vintage keyboards, electric bass, and acoustic or electric guitars to DAWs. Uses a custom-designed GT output transformer and two specially selected dual-triode Groove Tubes.
1543 Truman St.
San Fernando, CA 91340
818/361-4500; fax 818/365-9884
www.groovetubes.com

Joemeek MC2

The MC2 is a 1U, half-rack, photo-optical stereo compressor. This little baby packs the punch of its bigger brothers and offers balanced I/Os on ¼-inch TRS, external power supply and a solid metal housing. The MC2 incorporates an automatic ratio control but offers independent control of compression/threshold, attack and release. In addition, the unit includes inserts for more flexibility. List: $249.99.
Dist. by PMI Audio Group
23775 Madison St.
Torrance, CA 90505
310/373-9129; fax 310/373-4714
www.pmiaudio.com

Klark Teknik DN9340 Helix Equalizer

The new DN9340 Helix Equalizer from Klark Teknik is a five-mode dual 31-band graphic EQ, a dynamic EQ and a dual 12-band parametric. The two-rackspace Helix includes full-function delay line in both time (milliseconds, microseconds) and distance (feet, inches or meters). An "auto-gain ranging" feature automatically and instantly compensates for gain changes caused by cutting or boosting frequencies, so your EQ curve has no effect on the gain structure of your sound system.
Dist. by Telex Communications
12000 Portland Ave. South
Burnsville, MN 55337
952/736-3901; fax 952/736-4582
www.telex.com

Leigh Audio Design Inc. 6+4 DVD-Audio Interface

This high-quality DVD-Audio interface converts the six consumer analog outputs of your DVD player to +4 balanced. Super-low distortion, low noise and crosstalk.
Box 308, 41 Schermerhorn St.
Brooklyn, NY 11201
917/584-9767
www.leighaudiodesign.com

World Radio History

Lexicon LOGIC7 Version 3.0

Automation and LOGIC7 UpMix Algorithm options are now available for the 960L Multi-Channel Digital Effects System. The Automation option allows program changes, pan moves, parameter adjustments and mutes to be written and played back, synchronized to incoming timecode. An extension of Lexicon's proprietary LOGIC7 technology, the LOGIC7 UpMix Algorithm option creates surround (5-channel) output from stereo (2-channel) input sources. These options are available with Software Version 3.0 and above.

Lexicon 960LS

The 960LS is a stereo version of Lexicon's flagship 960L Multi-Channel Digital Effects System. It comes standard with a LARC2, one DSP card and eight channels of balanced analog I/O. Hardware options include a second DSP card that more than doubles its available processing power, and an AES/EBU Digital I/O card with eight channels. Software options include automation, stereo delays, and additional 96kHz reverbs and multichannel capability. With multichannel capabilities enabled, other options such as surround configurations, surround delays, more 96kHz reverbs and LOGIC7 UpMix are also available.

Lexicon MPX550

The MPX550 is a true-stereo, dual-channel processor with 24-bit internal processing, 24-bit AD/DA and S/PDIF I/O, and Lexicon's exclusive Lexichip. Its 255 carefully crafted presets feature legendary Lexicon reverbs, world-class effects and dynamics. Four Edit knobs, an Adjust control and parameter adjustment graphics make it simple to dial in the desired sound. Other features include a large, graphic front panel display, a built-in digital compressor, Tap Tempo and MIDI Learn Mode.
3 Oak Park
Bedford, MA 01730
781/280-0400; fax 781/280-0490
www.lexicon.com

Manifold Labs Plugzilla

A revolutionary rackmount effects processor that runs any VST plug-in. Starting with Steinberg's standard, and adding a quick, intuitive user interface, stellar audio performance, advanced copy protection, and wrapping it in a slick, quiet 2U package, this product will change your idea of VST plug-ins forever.
433 Liberty Ave.
Little Ferry, NJ 07643
www.plugzilla.com

Princeton Digital Reverb 2016

Princeton Digital's first product, the Reverb 2016, re-creates the legendary reverb algorithms of Eventide's SP2016: Stereo Room, Room Reverb and High-Density Plate. Every aspect of the original effects has been duplicated, including every detail of the user parameters. While the algorithms are identical to the originals, the hardware implementation is state-of-the-art, with features that include 24-bit DSP, 24-bit analog audio I/O, digital I/O and MIDI interface.
433 Liberty Ave.
Little Ferry, NJ 07643
www.princetondigital.com

Quantec Yardstick MC 2404

The Yardstick 2404 is a next-generation room simulator and multi-effects processor based on the original Quantec QRS. The 2404 features 8-channel AES/EBU I/O, 96kHz sampling, bandwidth filter and variable density buildup. Effects include eight delay lines with 40 seconds total delay time, EQ, flanger, chorus, gate and compander algorithms. DSP is provided by a floating-point 32-bit processor. Holds 1,000 onboard presets. Control is via RS-232, MIDI I/O or 10Base-T Ethernet.

Read Mix online:
www.mixonline.com

New Version!
ACID PRO 4.0
Professional Audio & MIDI Music Production
Plug-In effects automation
ASIO driver support
5.1 surround mixing
MIDI piano roll editing
MIDI event list editing
MIDI step recording
VST Instrument support
Alternate time signatures
Master, Aux, and FX bus tracks
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For unlimited tracks of audio and MIDI, DirectX plug-in support, 5.1 surround mixing, CD ripping/burning, streaming media creation and support for popular audio formats, no other program outperforms ACID Pro 4.0. It's the ultimate in professional loop-based music production. With the release of version 4.0, this award-winning application is even more powerful, with new features that place it in a class by itself.
ACID is available direct from Sonic Foundry (sonicfoundry.com) or from many software retailers nationwide including:
sonicfoundry media solutions
Sonic Foundry, Inc. • 1617 Sherman Avenue • Madison, WI 53704 • Tel: 800.577.6642 • Fax: 608.250.1745 • sonicfoundry.com

World Radio History

Quantec Yardstick MC 2405

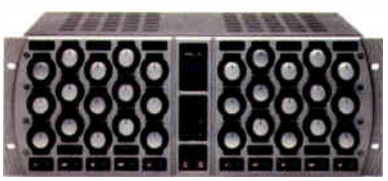
The Yardstick 2405 room simulator and multi-effects processor is the analog I/O version of the 2404. The 2405 features an 8-channel AES/EBU I/O, 2-input/4-output balanced analog I/O, 96kHz sampling, a bandwidth filter and variable density buildup. Effects include eight delay lines with 40 seconds total delay time, EQ, flanger, chorus, gate and compander algorithms. DSP is provided by a floating-point, 32-bit processor. Holds 1,000 onboard presets. Control is via RS-232, MIDI I/O or 10Base-T Ethernet.
Dist. by HHB
743 Cochran St., Bldgs. E & F
Simi Valley, CA 90365
310/319-1111; fax 310/319-1311
www.quantec.com

Radial Engineering JDV Mk3 Direct Box

Following the original JDV, the Mk3 has the same acclaimed Class-A audio circuit, but adds an ultralow-noise power supply with huge 30V internal rail voltage and almost unmeasurable THD, IM and phase distortion. It lets musicians select between two instruments, drive several amps simultaneously and monitor signals with a tuner. Features include: variable Drag control (adjusts impedance/loading to simulate the effect of amp loading, cable resistance and capacitance), high/lowpass filters, polarity reverse, -15dB pad and ground lift.

Radial Engineering Trim-Set

In situations where many guitar amps are driven from a single guitar, minute volume changes on the amps may be needed to attain a desired balance. Designed for use with Radial's JD7 Injector and JDV direct box, TrimSet is a 3-channel level controller for tweaking the levels going to the amp. The passive Trim-Set's three individual channels have an on/off selector, a level control and a "Slope" control to offset losses from longer cable runs.
1638 Kebet Way
Port Coquitlam, B.C., Canada V3C 5W9
604/942-1001; fax 604/942-1010
www.radialeng.com



SPL PQ 2050 Mastering EQ

Sound Performance Lab's fully parametric, 2-channel, 5-band EQ with pure analog equalization circuitries boasts Supra discrete op amps operating at 120 volts, with a S/N ratio at 116 dB and a dynamic range of 150 dB. Other features include digital memory presets and full recall with motorized controls, constant Q and proportional-Q equalization (selectable per band), channel link and master/slave unit link modes (defeatable in each band). An optional remote-control unit controls up to four PQs for surround processing.
Sohlweg 55
Niederkruechten, Germany 41372
(+4) 921/639-8340
www.spl-usa.com

SRS Labs CSE-07/CSD-07

The Circle Surround CSE-07 Encoder enables the encoding of up to 6.1 channels of discrete audio for transmission over low-bandwidth, 2-channel carries, such as broadcast/cable television, streaming media and CD. The Circle Surround CSE-07 Decoder is a "universal" decoder, complete with patented Dialog Clarity and TruBass. It is ideal for the pro monitoring of CS-encoded content, and it will deliver up to 6.1-channel playback from mono, stereo and Lt/Rt-encoded sources.

SRS Labs Broadcast Sports Processor

The BSP is a new, single-ended processor that improves the quality and clarity of mono, stereo or surround broadcast signals. It includes two patented SRS technologies, a stereo synthesizer that simulates realistic stereo from mono source material, and a dialog clarity circuit that elevates an announcer's voice above ambient sounds. The BSP enables sound engineers to enhance mixes by increasing ambient sound effects, such as crowd noise, while preserving voice intelligibility.
2909 Daimler St.
Santa Ana, CA 92705
949/442-1070; fax 949/852-1099
www.srstechnologies.com

TC Electronic Reverb 6000

TC Electronic introduces the new Reverb 6000 algorithms for the System 6000. Including ambiences from 16 mono to dual 6.1, Reverb 6000 is an industry first, with new multiformat delay and boundary effects, as well as desirable effects from the past. Reverb 6000, including presets such as DVR-2 Vintage Reverb (EMT-250 emulator), VSS-M4 (multiple mono reverbs), VSS-6.1 (industries first 6.1 reverb), NonLin-2 Reverb, Reflector Multitap Delay and Preset Wizard. Reverb 6000 is a free upgrade for existing System 6000 users.

TC Electronic M300

TC Electronic proudly presents the new M300 Dual Engine Processor, offering quality sound and a straightforward, no-nonsense user interface at an affordable price. The M300 Dual Engine Processor covers virtually any effects application, from P.A. and live to studio and club installs by combining a dedicated true-stereo reverb engine and a multi-purpose effects engine. The true dual-engine design combines 15 stereo reverbs with 15 legendary TC effects. MSRP: $299.
742-A Hampshire Rd.
Westlake Village, CA 91361
805/373-1828; fax 805/379-2648
www.tcelectronic.com

TC Helicon VoiceOne

The VoiceOne Voice Pitch/Modeling Tool is a breakthrough in vocal technologies and the most advanced and powerful tool ever for audio professionals working with vocals. The broad palette of new dedicated voice tools includes Vocal-Trained Pitch Recognition, Hybrid-Shifting algorithms, Flextime elasticity algorithms, Voice Modeling and full DSP mode for low latency/extended performance. The VoiceOne hardware consists of 24-bit AD/DA converters and S/PDIF digital I/O, and it supports both 44.1k and 48k rates. MSRP: $1,299.
Dist. by TC Electronic
742-A Hampshire Rd.
Westlake Village, CA 91361
805/373-1828; fax 805/379-2648
www.tcelectronic.com

TL Audio 5021 Ivory 2 Series

The TL 5021 features hard- and soft-knee modes, four attack and release times, an improved optical gate and an optional digital output. A proprietary transconductance amp design avoids the use of VCAs. Two tube stages per channel, in the form of a Sovtek ECC83/12AX7A twin-triode tube, are run from a stabilized 150VDC supply. One stage is in the preamp and the other is in the gain control element of the compressor. MSRP: $829.

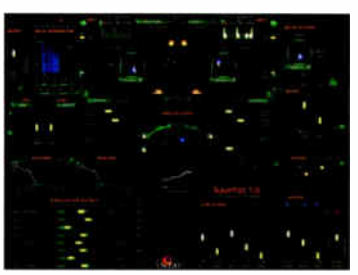
TL Audio 5051 Ivory 2 Series

The 5051 is a front-end processor combining a preamp, compressor, EQ, noise gate and optional digital output. The compressor section includes hard/soft-knee modes, and the 4-band equalizer section features an improved optical gate. The 5051 has six tube stages, using three twin-triode ECC83/12AX7A tubes on a stabilized 150VDC power supply. One stage is located in the preamp, one in the compressor gain control circuit and four in the equalizer section. MSRP: $829.
Dist. by HHB
743 Cochran St., Bldgs. E & F
Simi Valley, CA 90365
310/319-1111; fax 310/319-1311

Signal Processing, Software

Akai Professional VST Plug-Ins

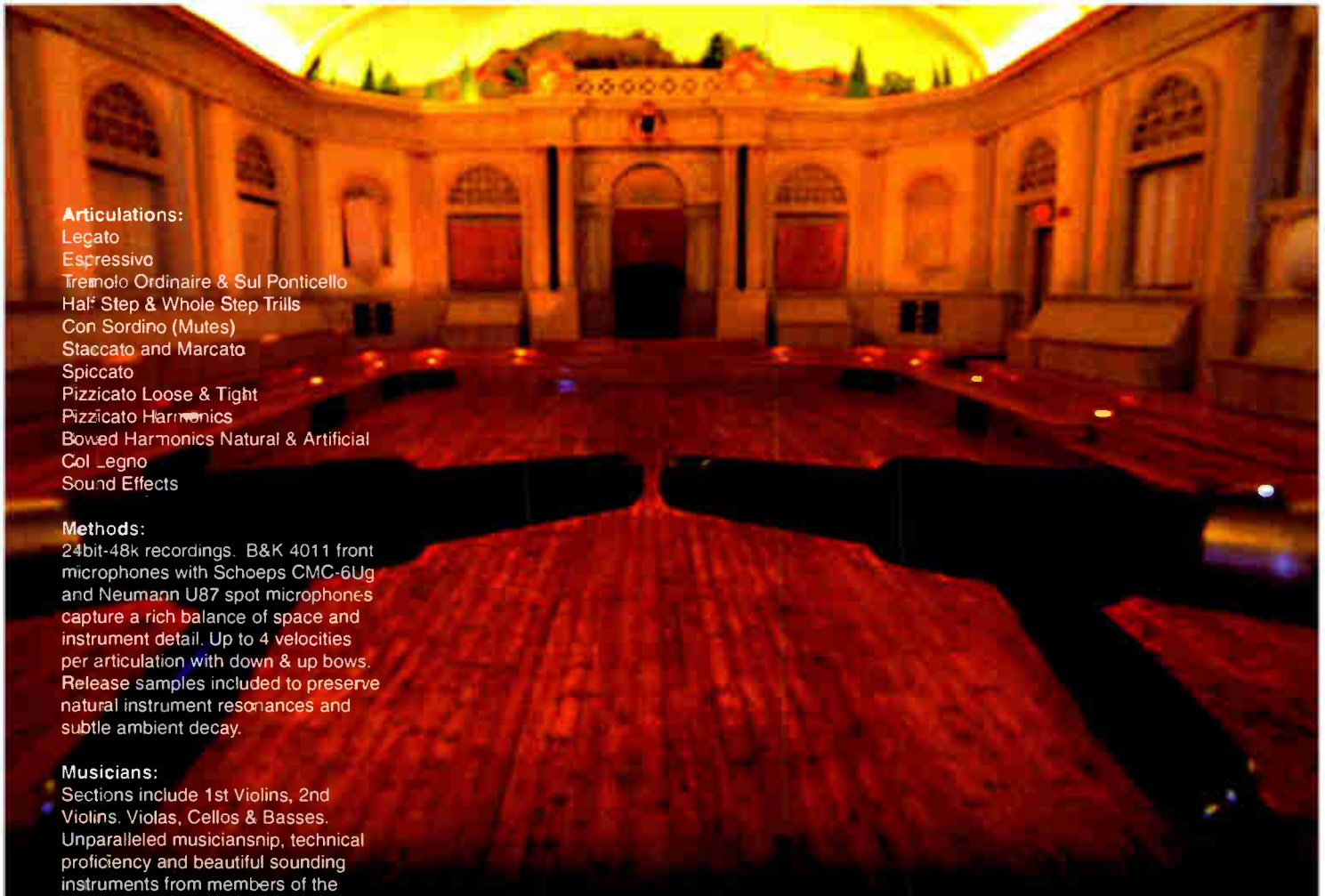
Akai Professional offers DecaBuddy, QuadComp, PitchRight, Rotator and DC Vocoder, new VST plug-ins. This offering of multipart harmony, pitch correction and mastering tools will be a welcome addition to the serious producer's and musician's effects arsenal. Other new VST plug-ins include a rotating cabinet simulator with graphic mic placement and representation of speaker rotation, as well as a 50-band vocoder that can create vocoder effects even without a carrier signal. MSRP: $149/each.
4710 Mercantile Dr.
Fort Worth, TX 76137
817/831-9203; fax 817/222-1490
www.akaipro.com



Antares kantos 1.0

Any audio signal can become striking and/or useful. kantos 1.0 is a software synthesizer with an intuitive, new control paradigm that allows organic, expressive performance, free of the limitations of MIDI and without the requirement of keyboard expertise or complex programming. kantos 1.0 provides a rich environment for experimentation and sonic exploration for the creation of new sounds and stylistic effects. The program's visual UI reinforces its unique melding of the organic and the technological.
231 Technology Circle
Scotts Valley, CA 95066
831/461-7800; fax 831/461-7801
www.antarestech.com

World Radio History



Articulations:
Legato
Espressivo
Tremolo Ordinaire & Sul Ponticello
Half Step & Whole Step Trills
Con Sordino (Mutes)
Staccato and Marcato
Spiccato
Pizzicato Loose & Tight
Pizzicato Harmonics
Bowed Harmonics Natural & Artificial
Col Legno
Sound Effects

Methods:
24bit-48k recordings. B&K 4011 front microphones with Schoeps CMC-6Ug and Neumann U87 spot microphones capture a rich balance of space and instrument detail. Up to 4 velocities per articulation with down & up bows. Release samples included to preserve natural instrument resonances and subtle ambient decay.

Musicians:
Sections include 1st Violins, 2nd Violins. Violas, Cellos & Basses. Unparalleled musiciansnip, technical proficiency and beautiful sounding instruments from members of the Boston Pops and Boston Ballet Orchestras.

Availability:
Full release in Gigasampler format. 20-CD or 3-DVD Box Set. Complete Documentation. Please call or visit website for details and demos.

Recording Notes:
Recorded by 2001 Emmy award winning engineer Antonio Oliart and RIAA award winning engineer John Bono at Sonic Temple Studios, Roslindale, MA. (pictured) Programming done exclusively in-house. Designed for the utmost in expressiveness and playability; a joy to create with.

Sonic Implants
SYMPHONIC String Collection

A comprehensive music production tool
Designed by SONIC IMPLANTS in Boston, Massachusetts
Produced by JENNIFER HRUSKA

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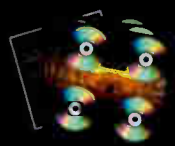

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Cycling '74 Pluggo 3

Pluggo 3 is a Mac-only collection of more than 100 plug-ins and synths for RTAS, MAS or VST sequencing or audio editing applications. Ranging from normal to outrageous plug-ins, Pluggo includes audio routing, tempo-based effect synchronization, and virtual MIDI instruments and controllers. You can send audio between plug-ins and between tracks, and let your plug-ins modulate each other to create organically evolving effects environments. Retail: $199.
379A Clementina St.
San Francisco, CA 94103
415/974-1818; fax 415/974-1812
www.cycling74.com

IK Multimedia AmpliTube

AmpliTube is revolutionary news for guitar players, allowing them to simulate the entire guitar array used to craft any guitar tone, including amplifier, stomp boxes and post effects modeling. Platforms include Pro Tools HTDM, RTAS and VST, Mac OS and Windows. Based on must-have modern and vintage amps and effects, 1,260 different amp configurations can be emulated. Includes 10 stomp, amp and post effects. MSRP: $399.
5911 Hickory Dr.
Fort Pierce, FL 34982
561/466-9763; fax 206/666-6534
www.ikmultimedia.com

Mackie UAD-1 Version 2.2

The Mackie UAD-1 consists of a DSP card and a comprehensive package of ultrahigh-quality plug-ins, including RealVerb Pro, the 1176LN and Teletronix LA-2A Vintage Compressors, the Nigel Guitar Processor, Pultec EQ and the CS-1 Channel Strip—all of which were developed by Universal Audio. The CS-1 includes EQ, compression, delay modulation and reflection engine modules. Nigel includes the Pre-flex amp and speaker cabinet modeler, echo, delay modulation, tremolo, modulation filter, compressor/gate and phaser.
16220 Wood-Red Rd. NE
Woodinville, WA 98072
800/258-6883; fax 425/806-6383
www.mackie.com

McDSP Synthesizer One

The additive, subtractive wavetable, FM and AM-based modular Synthesizer One ($695) can process external audio and combine that with synthesized signals. All oscillator, filter, LFO and envelope signals can be easily routed to multiple modulation targets using a straightforward, logical interface that resembles McDSP's plug-in family line. Also, the company's offering of free Pro Tools | HD updates for McDSP plug-ins now includes 44.1 to 192kHz support. Platforms: Mac, TDM Mix/HD.
Box 50611
Palo Alto, CA 94303
www.mcdsp.com

Serato Pitch

Pitch is a completely new software product. Simply put, Pitch allows you to alter the pitch of audio within a track in real time. But Pitch also uniquely offers users the ability to change pitch polyphonically—either using the handy presets or via MIDI control. Incredibly clean and artifact-free multichannel pitch changing is made possible by the same revolutionary technology that powers the multi-award-winning plug-in Pitch 'n Time. Pitch will initially be released as an RTAS and HTDM plug-in for Pro Tools.
Box 34903
Birkenhead, Auckland, New Zealand 1330
(+6) 49/480-2396
www.serato.com

Steinberg Nuendo Encoders

Steinberg releases surround encoder plug-ins for Nuendo. The Nuendo Dolby Digital Encoder is licensed by Dolby Labs and has all of the features of the original Dolby hardware. It supports encoded bit rates from 56 to 640 kbps, and channel configurations from mono to 5.1-channel surround sound. The DTS-encoding process has also been licensed to Steinberg; encoding is integrated as DTS file format in Nuendo's export dialog, and all necessary routines are automated for ease in encoding. The DTS encoded audio can be saved as a .WAV file to burn a 5.1 mix directly to CD.
9200 Eton Ave.
Chatsworth, CA 91311
818/678-5138
www.steinberg.net

Symetrix SymNet Upgrade

New software upgrade incorporates automatic mic mixers with master and slave modules in 4, 8 and 16-channel configurations, as well as room-combining modules for up to 16 rooms—with and without automatic mic mixing. Version 1.2 increases the versatility of SymNet and adds ARC-PS, a single-rackspace power supply for up to 10 ARCs that distribute power and control data via Cat-5 cable through 10 discrete outputs or in daisy-chain combinations. Upgrade is free.
14926 35th Ave. West
Lynnwood, WA 98037
425/787-3222; fax 425/787-3211
www.symetrixaudio.com

TC Works PowerCore Restoration Suite

High-end restoration tools that work with any VST or MAS application on Mac and PC. The DeClicking is based on a new, patented technology that allows you to remove clicks much larger than with common technologies. The DeClipper will reduce artifacts introduced by too heavy use of mastering dynamics processing. MRSP: $999. Included plug-ins: DeScratcher, DeClicker, DeClipper and DeNoiser.

TC Works Assimilator for PowerCore

Assimilator is an extremely powerful fingerprint EQ for PowerCore. It takes the EQ curve of one audio file and applies it to another. By "sampling" the EQ curves of your reference and your target audio, the Assimilator compares the frequency curves of the two files and interpolates between them to generate the ideal curve for the target audio. A Morph mode allows the smooth transition between two different EQ curves. Retail: $249. Assimilator for PowerCore runs on Mac (also OS X) and PC.
52-B Flughafenstrasse
22335 Hamburg, Germany
(+4) 940/531-0830
www.tcworks.de

Waves 360° TDM/HD Surround Toolkit

Take control of your surround mixing in an intuitive and natural way with compliance to industry standards. Easily achieve high localization or enveloping spacialization. 360° of rotation, width, distance panning, reverberation, flexibly linked dynamics, calibration, mixdown and more. Supports Digidesign MIX and HD systems with 96kHz support for all tools. An all-in-one, cost-effective package designed to take your creativity and productivity to a higher level.

Waves Restoration Bundle TDM

The 2002 TEC Award-nominated Restoration Native tools come to the Digidesign Pro Tools system. Restoration TDM supports the same processors, X-Noise, X-Click, X-Crackle and X-Pop. These tools establish a new quality standard for audio restoration and noise reduction. It's fast and incredibly easy to use, providing real-time visual feedback in audio and audio difference. Ideal for music, post-production and forensic applications. Exclusively for Mac Pro Tools | HD. MSRP: $2,600.

Waves Masters Bundle

Masters features Linear Phase technology, which eliminates the phase distortion associated with all common EQ designs, providing a more transparent sound that better preserves the musical balance. Included are: linear EQ; linear multiband, a 5-band independent gain and dynamics (compression, EQ and limiting); the L2 Ultramaximizer, a limiter with ARC (Automatic Gain Control) and IDR with ninth-order filters for pristine quality. MSRP: TDM/HD, $1,800; Native, $900.
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Knoxville, TN 37917
865/546-6115; fax 865/546-8445
www.waves.com

Test Equipment

Audio Precision PSIA-2722

AP's acclaimed System Two and System Two Cascade PC-based, high-performance audio test/measurement systems have been enhanced with the addition of the new PSIA-2722 Programmable Serial Interface Adapter option. The PSIA facilitates the connection of chip-level devices, such as AD/DA and sample-rate converters, to a System Two Cascade and Cascade Plus system. Devices may have a variety of interface protocols: different logic families and voltage levels, clock rates, word orientations and formats.
5750 SW Arctic Dr.
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800/231-7350; fax 503/641-8906
www.audioprecision.com

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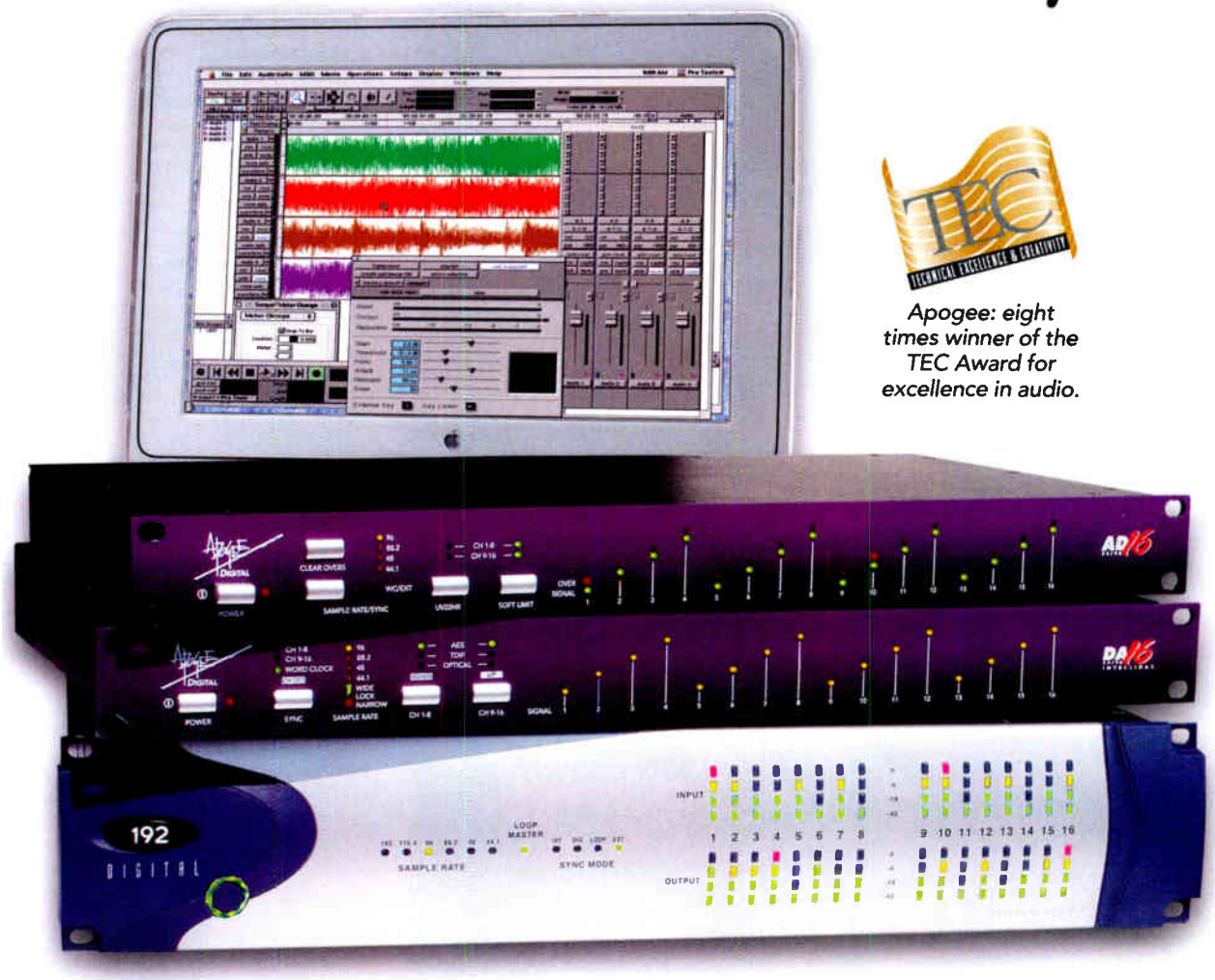

Apogee: eight times winner of the TEC Award for excellence in audio.

Introducing Apogee's AD/DA-16 HD Pack

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• DA-16 24/96, 16-channel D/A converter
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FOR YEARS, audio professionals have relied on the superior quality of Apogee digital audio conversion systems to deliver the performance they need from their Pro Tools systems.

Now, you can buy a Pro Tools HD system without the converters – and use Apogee conversion instead!

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The result is a Pro Tools HD system, complete with Apogee's robust analog design, plus the stability and precision of Apogee's intelligent digital clocking technology.

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To address the ongoing problem of loudness inconsistencies between channels and programs, Dolby Labs offers the LM100 Loudness Meter. This new analysis tool provides a broadcast-friendly solution for measuring the loudness of content, enabling broadcasters to eradicate the subjective loudness differences in their television audio. The LM100 is capable of accepting PCM, Dolby Digital, Dolby E, analog and combined RF cable television signals.
100 Potrero Ave.
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The perfect tool for troubleshooting and setting up measurements, NTI's Digilyzer is a highly functional tool for digital audio field testing. It includes audio signal analysis, ancillary data interpretation, carrier signal analysis, as well as the analysis of video-related audio problems. It's equipped with an internal speaker for dual-domain monitoring. These powerful features make the Digilyzer ideal for all types of digital troubleshooting, checking, maintenance and repairs.

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Prism dScope 2:16/16:2 Switcher

Now available for the Prism Sound dScope Series III audio test system, a new automated unit provides either 2:16 or 16:2 switching with the option to connect a high-current load for power amp testing. Controlled by the dScope Series III software, the switcher can be automated using VBScript so that testing of multichannel products—such as DVD players or mixing consoles—can be fully automated. With the smallest form factor of any high-performance test system, the dScope Series III with automated switching provides a fully comprehensive automated test solution for as little as a quarter of the cost of leading alternatives.
21 Pine St.
Rockaway, NJ 07866
973/983-9577; fax 973/983-9588
www.prismmpi.com

Rane Corporation RA 30 RTA

The Rane RA 30 combines a Real-Time Analyzer, SPL meter and stereo VU meter in a single rackspace. It also offers a 5x30 LED array for superb accuracy, whether the user is viewing the selectable RTA, the 30 segment SPL or VU meters. The front panel unbalanced Cal Mic input is calibrated for the included Mic 2 microphone. Retail: $549.
10802 47th Ave. West
Mukilteo, WA 98275
425/355-6000; fax 425/347-7757
www.rane.com

Studio Technologies Model 90 Switcher

The Model 90 Switcher is designed to provide multiple-microphone support for measurement systems, such as SIA Software's SmaartLive. Up to eight mics can be connected and routed to the two outputs. A USB interface allows PC control of source selection, facilitating manual and automated operation. Using the Model 90, audio pros can easily realize the advantages of obtaining multiple measurement points. The compact, lightweight unit is a strong addition to permanent or portable measurement systems. SRP: $695.
5520 W. Touhy Ave.
Skokie, IL 60077
847/676-9177; fax 847/982-0747
www.studio-tech.com

TerraSonde Digital Audio Toolbox

By combining more than 25 digital audio test, analysis and utility functions in one portable device, TerraSonde provides—for the first time—the means to do serious digital audio troubleshooting and analysis (including jitter and lock tests) in a handheld device. The DSP-powered Digital Audio Toolbox DATB-1 has two digital inputs, digital and analog outputs, word clock in/out and a serial port. It supports AES3/EBU, S/PDIF, Toslink and ADAT, at 24 bits and 96 kHz.
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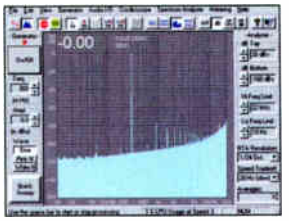


True Audio TrueRTA Version 2.0

TrueRTA is a real-time analyzer for evaluating audio systems and music using a PC with basic sound capability. TrueRTA runs under Windows and includes a low-distortion signal generator, digital voltmeter, dB meter, crest meter, oscilloscope, and high-resolution, real-time audio spectrum analyzer. Version 2.0 is a free upgrade for all registered users. The basic Level 1 version is free at www.trueaudio.com. Pricing for the high-resolution (1/24-octave) Level 4 version is $99.95.
387 Duncan Lane
Andersonville, TN 37705
865/494-3388
www.trueaudio.com

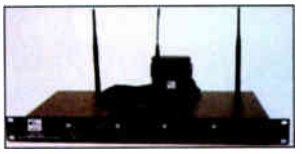
Wireless Products

Electro-Voice CDR-1000 Dual RE-1 Receiver

This dual UHF receiver features a single-rackspace package; front panel headphone jack for easy setup/monitoring; antenna output jacks for operating the receiver on two antennae without a separate splitter; eight receivers integrated to operate from two antennae and one APD4 antenna splitter; DC on the antenna input jacks to operate optional UAA-500 RF antenna amplifier; mic- or line-level balanced XLR output; internal power supply; and real-time PC-monitoring via USB.
Dist. by Telex
12000 Portland Ave. South
Burnsville, MN 55337
952/736-3901; fax 952/736-4582
www.telex.com

LightSPEED Multi-Cell Wireless

The 800 Series Multi-Cell wireless is designed to produce highly reliable reception in large areas such as stadiums, cruise ships, theme parks, racetracks, etc. Systems use from two to 16 remote cell-receivers to capture signals in very large areas (50,000 to 400,000 square yards) or multilevel facilities. The remote cell-receivers connect to a Multi-Cell processing unit, which uses tri-stage diversity processing for seamless audio from one or two independent LightSPEED UHF wireless mics. Priced from $5,760.



LightSPEED 7000DX Quad-RAK

Designed for applications where many UHF wireless mics are used simultaneously in a single venue, this single-rackspace package includes multiple wireless receivers, antenna combiner, rackmounting and internal power supply. The Quad-RAK receiver system allows use from one ($832 with transmitter and mic) to four ($2,440 with four transmitters and mics) modular 16-channel UHF receivers in a single rack-high space.
11509 SW Herman Rd.
Tualatin, OR 97062
800/732-8999; fax 503/684-3197
www.lightspeed-tek.com

Neumann KK 105-S

The new capsule head is based on the award-winning Neumann KMS 105 handheld condenser mic. Developed for use with Sennheiser's SKM 5000 wireless microphone system, the capsule is backward-compatible with all existing SKM 5000 transmitters and the new SKM 5000-N transmitters. The KK 105-S capsule features a unique multilayered grille assembly that eliminates popping and breath noise without sacrificing HF clarity and transient detail. MSRP: $650.
Dist. by Sennheiser
1 Enterprise Dr.
Old Lyme, CT 06371
860/434-9190; fax 860/434-1759
www.neumannusa.com

Sennheiser SKM 5000-N Transmitter

The SKM 5000-N transmitter is a new version of the SKM 5000, but optimized for use with the Neumann KK 105-S capsule. This new Sennheiser/Neumann wireless combination debuted at the Grammy Awards, the 2002 Rock and Roll Hall of Fame Induction Ceremony and VH1's "Divas Las Vegas."
1 Enterprise Dr.
Old Lyme, CT 06371
860/434-9190; fax 860/434-1759
www.sennheiserusa.com

Sony UWP Series

UWP Series UHF wireless mics offer superb sound quality and diversity reception in 6 packaged models. The UWP Series includes a handheld mic (with integrated transmitter) or a lavalier mic (with bodypack transmitter), each with a choice of a half-rack-type tuner, tuner module or portable tuner.
1 Sony Dr.
Park Ridge, NJ 07656
800/686-7669
www.sony.com/proaudio

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Other Products

Argosy Console 9050 Series

The Argosy 9050 Series console enclosure is designed specifically for Yamaha's new DM2000 digital mixer. The 9050 offers unprecedented comfort and ergonomic value with its deeper chassis design, full-length padded armrest, cable management, producer's space and built-in 19-inch racks. Argosy 9050 transforms the DM2000 into a full-featured console, making it the centerpiece of your control room.

Argosy Console Dual1SK-S

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5687 Precision Court
Osage Beach, MO 65065
800/315-0878; fax 573/348-2769
www.argosyconsole.com

AudiOtis Audio Console Flight Case System

AudiOtis introduces the advanced technology of the "state-of-the-art" Flight Case System. Our product is designed using the same state-of-the-art 3-D graphic design technology employed within the aerospace industry. Cases are manufactured using aluminum diamond plate with a welded aluminum frame. Consoles are supported on an aluminum sub-frame system that's supported on six shock-absorbing, gas-filled springs. Our $3,995 cases are ⅓ the weight and substantially stronger than the standard case.
256 S. Robertson Blvd.
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otisdelivers@yahoo.com

Aviom PMMD

Aviom's PMMD Personal Mixing and Distribution System lets performers adjust their own stereo monitor mixes, over the first LAN optimized for real-time multichannel digital audio transmission. Twenty-four-bit A/D converters packetize 16 audio channels to the rackmount A-16T transmitter and onto any number of 16-channel A-16 mixer units connected via readily available Cat-5 cable. The mixer's stereo output can drive in-ear monitors, amp/wedge combos, powered speakers or headphones (for studio use). Features include no perceptible latency and up to 330 feet between components.
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610/518-2232; fax 610/518-1245
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Dupco manual overwrapping systems are designed to provide years of reliable operation. With the duplication industry growing rapidly and its focus turning to short-run packaging, these machines are built to accommodate short-run professional "folded-style" overwrapping. Unlike unsightly shrinkwrapping with rough edges and uneven seams, our overwrappers will wrap your product uniformly with a professional store-bought appearance at a fraction of the cost of automated hi-speed overwrappers.
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www.mydograx.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-amplified stations. A rotary switch on each station selects between four available mixes. Specs: 40 watts/channel, 4 ohms minimum load. Signal-to-noise ratio 111 dB. Frequency response: ±2 dB, 20-120k Hz. THD+N 0.0028%. Price: Master, six stations, stand adapters and cables: $2,995.
600 West Iris Dr.
Nashville, TN 37204
615/385-1613; fax 605/385-1614
www.shopmrt.com

Ultrasone HFI-650

These pro studio headphones suppress external noise and bleeding via a closed-construction design, yet offer a broad, detached 3-D hearing sensation. Thanks to the patented S-Logic sound system, the typical headphone sound feeling in the head left/right or "in-head-localization" belongs in the past. Once you try S-Logic, just trust your ears. Response: 15-25k Hz; 92dB SPL; two-year warranty.

Ultrasone HFI-2000

Our top-of-the-line HFI-2000 offers pro users wide-response (15 to 25k Hz), no-compromise, 3-D sound unlike any other headphones. The open, circumnaural design is ideal for control room monitoring, and its patented S-Logic sound system provides natural 3-D imaging that's unlike the typical headhone left/right or "in-head-localization." A two-year warranty is standard.
Ultrasone AG
Imp Thal 9
Penzberg, Germany 82377
(+4) 988/569-3660
www.ultrasone.com

Westone ES2 Elite Series In-Ear Monitor

The custom-fit Westone ES2 provides over 25 dB of ambient noise reduction. The dual-balanced armature design provides exceptional low-frequency response, clear mids and sizzling highs for sound that can be shaped to the user's personal preferences. Sensitivity: 119 dB/mW; frequency response: 20-18k Hz; impedance: 27 ohms; driver: dual-balanced armature drivers with passive crossover. Features: replaceable cable, one-year warranty, 25dB average acoustic separation. MSRP: $650/pair.

Westone UM1 Universal Series In-Ear Monitor

The single-armature Westone UM1 universal-fit monitor offers superior sound performance at an unprecedented low price and can provide up to 25 dB of onstage noise reduction. Used by top performers, the UM1 Universal Monitor is the most affordable in-ear monitor on the market. Available in clear, beige, brown and black. Sensitivity: 114dB/mW; frequency response: 40-16k Hz; impedance: 25 ohms; driver: balanced armature. Features: replaceable foam tips. MSRP: $139.99/pair.
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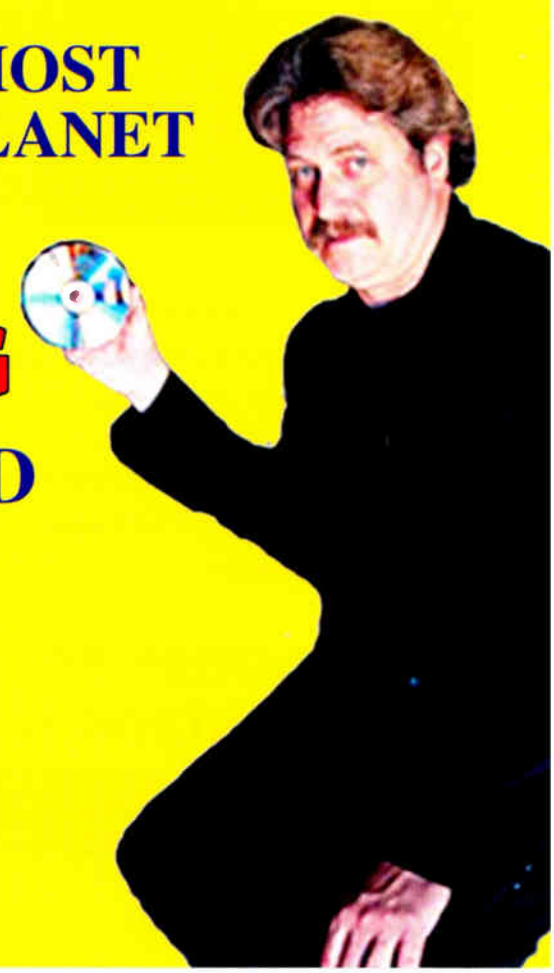

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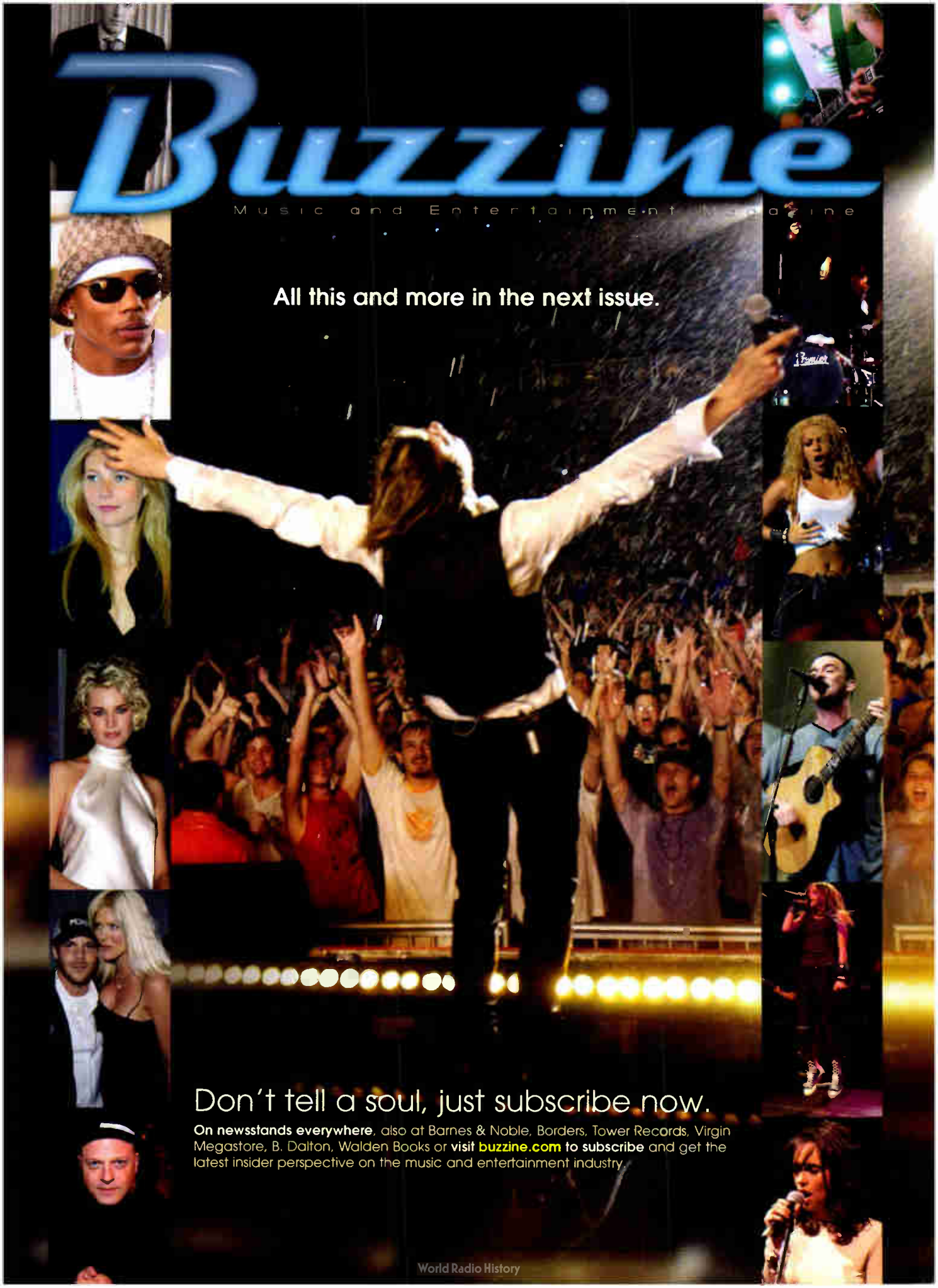

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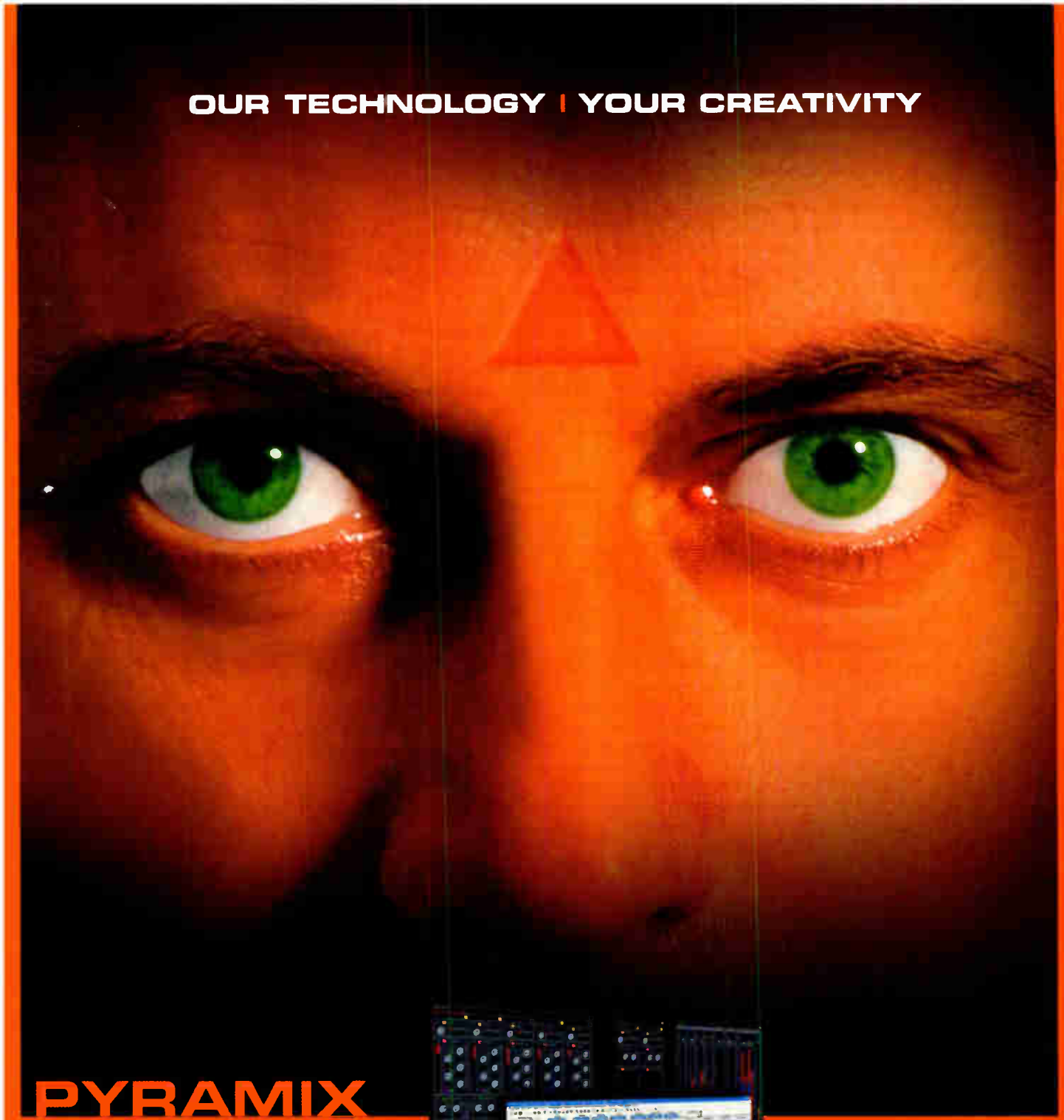

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Introducing the 2408mk3

24-bit/96k. DSP-driven mixing and monitoring. Up to 96 inputs/outputs. On-board SMPTE and video sync. Legacy I/O support. Same amazing price.

mk3 feature highlights

- **PCI-424 card** — connect up to four interfaces. Capable of delivering 96 channels of input and output at 96kHz.
- **CueMix DSP™** — a new DSP-driven digital mixing and monitoring matrix with the same near-zero latency performance as today's latest digital mixers. Connect all your gear, including live synths and outboard effects processors, and then monitor and mix everything with your 2408 system—and do it all without a mixer in your studio. Located on the PCI-424 card, CueMix DSP works across all connected MOTU interfaces with no drain on your computer.

- **Legacy I/O support** — connect any MOTU PCI interface, including the 2408, 2408mkII, 1296, 1224, 24i and 308. Mix and match as you please.
- **Video sync** — resolves directly to video with fast lock-up and sub-frame accuracy (no sync box needed).
- **SMPTE sync/generator** — resolve your entire system to SMPTE time code with fast lock-up and sub-frame accuracy (no SMPTE synchronizer needed).
- **Software-switchable input levels** — choose +4dB or -10dB operation separately for each analog input pair.
- **Support for 96kHz ADAT optical** digital I/O (S/MUX) and 96kHz Tascam TDIF digital I/O.

Basic features

- **Expandable 24-bit 96kHz audio interface** for Macintosh and Windows with 24 channels of simultaneous input and output.
- **8 TRS +4dB analog outputs** — perfect for surround.
- **8 TRS analog inputs** with switchable input levels.
- **Separate TRS main outs** and front-panel headphone jack, each with independent volume control.
- **24 channels of 24-bit ADAT optical** input/output (three banks) with sample-accurate ADAT SYNC. Supports up to 12 channels of 96kHz optical.
- **24 channels of 24-bit Tascam TDIF** digital I/O (three banks). Supports 12 channels of 96kHz TDIF.
- **24-bit S/PDIF** digital input/output up to 96 kHz.
- **Word clock** in and out; SMPTE (LTC) in and out; video sync input; sample-accurate ADAT sync input.
- **Compatibility** with virtually all audio software on Macintosh and Windows 98SE/Me/2K/XP.
- **Includes AudioDesk®** sample-accurate workstation software for MacOS with 24-bit recording/editing and 32-bit automated mixing/processing/mastering.

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