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Smart AV Digital Console

www.smartav.net

The Smart Console (from Smart AV) is a digital mixing console with a control surface that incorporates ARC Technology. A physical ARC is used to present and unify the functions of interrogation and channel selection into a spatially fixed array, providing instant access to any channel or combination of channels. Frame sizes include 48, 72 and 96 channels.

The Smart Console is designed as an "open platform" to capitalize on the strengths of outside audio/console technologies. It is initially available for use with several mixing engines: Logic Pro 6 from emagic; VADIS System from Klotz Digital; Pyramix Virtual Studio from Merging Technology; QDC engine from Fairlight; and DME64N and DME24N from Yamaha. (For more, see Real World Gear in this issue.)

Audio-Technica 2000 Series UHF Wireless System

www.audiotechnica.com

The Audio-Technica 2000 Series UHF True Diversity wireless microphone system operates in the 600 MHz frequency band (656.125-678.500 MHz, TV channels 45-48) with 10 selectable PPL-synthesized frequencies. Automatic frequency scanning determines and sets the best available frequency (open channel).

The 2000 Series incorporates the company's digital Tone Lock squelch and an LCD information display that indicates settings and operation status. Options include bodypack and handheld transmitters, the latter with the same capsule as the company's PRO 41 microphone. The receiver is supplied with a rack-mount kit and detachable UHF antennas.



Alcons Audio RBN1801 Ribbon Driver

www.alconsaudio.com

The Alcons RBN1801 mid/high frequency transducer is based on the principles of Isophasic planar driver technology. The effective radiation length of 18 inches offers power handling of 3 kW (for 200 milliseconds). Efficiency is rated at 108 dB (1 watt/1 meter). With a 90-degree waveguide, efficiency rises to 110 dB, with an operating frequency range of 1 kHz – 20 kHz. (+/-3 dB) and maximum SPL of 145 dB.

As a result of the symmetric "push/pull" design, the 1801 is completely magnetically shielded and it also functions as a dipole cylindrical radiator. And, it incorporates the company's Real-90 dispersion that helps provide a constant horizontal directivity of 90 degrees up to 20 kHz.

ARX Pro DI Direct Box

www.arx.com.au

The ARX Systems Pro DI direct box converts single-ended unbalanced signals to low-impedance balanced signals. It offers a 1/4-inch input with hardwired loop out and a speaker level input at -40 dB attenuation.

It is powered by an external 12-volt (DC) supply or +48-volt (DC) phantom power. The all-steel chassis includes a Kensington-type computer lock slot and optional bracket kit for under-table mounting. For stereo and dual-channel applications the Pro DI is available in the company's "double-header" two-channel format.



Lectrosonics IS400 Wireless Instrument System

www.lectrosonics.com

The Lectrosonics IS400 is a 24-bit, Digital Hybrid wireless system for use with instruments. It includes a proprietary algorithm to encode the digital audio information into an analog format, which can be transmitted over an analog FM wireless link. At the receiver, the encoded signal is captured and a DSP recovers the original digital audio.

The IS400 offers 256 selectable UHF frequencies. The R400 receiver includes independent XLR and 1/4-inch outputs, and the company's SmartTuning with graphic display for selection of clear frequencies. The IM transmitter offers more than 50 milliwatts of RF output power. The system design is intended to accurately reproduce the lowest fundamental from a five-string bass (low B) at 32 Hz up to the highest overtones and harmonics.



Inter-M SFX-8460 Powered Mixer

www.inter-m.net

The Inter-M SFX-8460 portable powered mixer offers digital effects from Alesis, including a pair of chorus selections with slow flange, vocal cancel, Leslie-type rotating speaker effect, various concert hall and room simulations, delay, chorus/doubler and classic stereo flanging for electric guitar.

The SFX-8460 offers eight mono and four stereo inputs, with output rated as greater than 1200 watts at 4 ohms, and also includes stereo or main/monitor modes of operation, a three-band equalizer on each mono input channel, 48-volt phantom power, dual nine-band graphic equalizer sections, an intermission (break) switch for muting everything but the stereo inputs, and 16 different 24-bit Alesis digital effects.

DPA Transformerless 4006-TL Microphone

www.dpamicrophones.com

The DPA 4006-TL is an omnidirectional condenser microphone offering the same characteristics of the original 4006 in addition to being equipped with a transformerless pre-amplifier and a standard 48-volt phantom power supply that increases sensitivity.

The transformerless design also helps remove the risk of saturation at high levels of low frequencies, providing an extended low-frequency handling capability (10 Hz to 20 kHz ± 2 dB). Seven different frequency responses and directional characteristics can be gained from the 4006-TL by using its acoustic modification accessories.



Gator GM-1WP Wireless System Case www.gatorcases.com

The Gator Cases GM-1WP is a polyethylene, ATA-style road case for wireless microphone systems. The case holds a receiver, microphone, handheld and beltpack transmitters as well as all accessories.

The receiver remains permanently in the case during operation, and the cases are stackable. The removable back provides accessory and battery storage.

Crest CM Series Power Amplifiers

www.crestaudio.com

The Crest CM Series includes the four-channel CM 2204 and eight-channel CM 2208 power amplifiers. They provide low-impedance or 70-volt operation at the same power levels, without switching.

The design is based upon a high-efficiency output circuit, lowering the line current required for a given output power by as much as 50 percent. Phoenix connectors are used for inputs and outputs, with level controls on the rear panels. Multiple protection circuits are incorporated.





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Sennheiser e840 Cardioid Vocal Microphone

www.sennheiserusa.com

The Sennheiser Evolution e840 is a cardioid vocal microphone designed to cut through high stage levels by suppressing sounds emanating from outside its pick-up pattern. It is also fitted with a hum-compensating coil to reduce electro-magnetic interference.

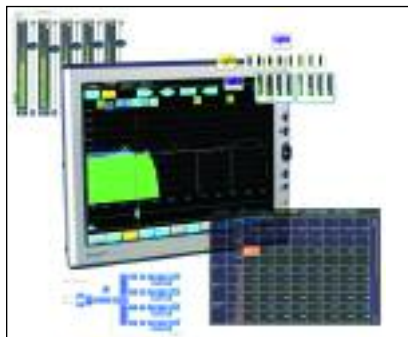
The e840's metal housing, finished in gray with a gray basket, encloses a shock-mounted capsule. A protective pouch with an MZQ800 microphone clip is also supplied.

Listen - National Instruments SoundCheck 6 Test System

www.listeninc.com, www.ni.com

Listen has partnered with National Instruments on the SoundCheck 6 Lab, a precision audio test system. The system consists of SoundCheck, which is Listen's PC-based electroacoustic measurement software, and National Instrument's newest dynamic signal acquisition module, the PXI-4461.

Applications include R&D and production line testing of audio electronics such as amplifiers, crossovers and signal processors, in addition to loudspeakers, microphones and other transducers. SoundCheck software includes a wide range of test stimuli, display and post-processing functions to measure characteristics such as frequency response, linearity and distortion.



Lake Controller Version 3.1 Software

www.lake.com

Version 3.1 of Lake Technology Controller software, for the company's Contour digital loudspeaker and Mesa Quad EQ digital matrix processors, offers new features such as MIDI and AMX control options. A more comprehensive user interface provides improved data entry methods and direct access to online utilities.

A new All Pass Filter function has been made available in Designer Mode, which introduces first-order and second-order All Pass filters to allow phase adjustment on the XOVER and AUX OUTPUT tabs of Contour processors. User Mode and Designer Mode manuals have also been released.

Peavey Redesigned CS Series Power Amplifiers

www.peavey.com

Peavey has redesigned six models in the CS Series of power amplifiers, which includes five two-channel units at various power ratings as well as one four-channel unit. Models CS 3000, CS 4000 and CS 4080 all include 14 power transistors per channel.

The front panel display includes LED indicators for signal presence and DDT active, as well as individual power LEDs that extinguish under fault conditions. Circuitry to protect against shorts, improper loads, abrupt turn-on levels, high temperatures, DC and subsonic frequencies are also incorporated. Input connectors are XLR/1/4-inch combos, and outputs connectors are binding posts, Speakon and IEC mains.



Marantz PMD660 Handheld Digital Recorder

www.d-mpro.com



The Marantz Professional PMD660 is a compact, handheld digital recorder. Uncompressed WAV files can be recorded at 44.1 or 48 kHz, and MP3 files can be recorded in mono (at 64 kbps) or in stereo (at 128 kbps). Using a standard 1 GB Compact Flash card, the PMD660 can record over one hour stereo and three hours mono of uncompressed audio, and over 17 hours of stereo MP3 and almost 36 hours of mono MP3 audio.

The PMD660 includes two built-in stereo condenser microphones with Automatic Level Control (ALC), two XLR mic connections with 48-volt phantom power, and stereo line I/O. It can operate for up to four hours on four standard AA batteries. Editing capabilities are also included.

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SIA SmartLive Version 5.3 Update

www.siasoft.com

SIA SmartLive Version 5.3 is the latest update of SmartLive 5. It includes the addition of a Device Control window in Spectrum mode. The user can see, set and adjust filters from within Spectrum Mode as well as from Transfer Function Mode.

A listing of feature updates for both Version 5.3 as well as all previous Version 5 updates is available on the company's web site. The Version 5.3 Updater only works on previous versions of SmartLive 5. Upgrades must be purchased for earlier versions of SmartLive and SmartPro.

Real Traps GoboTrap System

www.realtraps.com

The Real Traps GoboTrap system consists of a lightweight carriage with wheels that accommodate either standard or Gobo MiniTraps. The traps are stacked sideways on the carriage to create a gobo that is 4 feet in width. Two or three traps can be attached for a total height of either 4 feet or 6 feet.

The GoboTrap carriage hovers very low to the floor to minimize sound leakage under the traps, and the wheels are large enough to roll easily on thick carpet or over wires.



RCF ART312-i Passive Loudspeaker

www.rcfaudio.com

The RCF ART 312-i is a passive loudspeaker that includes the company's Low Impedance Compensated Crossover, which is intended to optimize mid-bass and high frequency performance. The 12-inch woofer, 1-inch titanium dome high-frequency driver and 90 degree by 60-degree constant directivity horn are housed in a composite enclosure.

Power handling is rated at 300 watts, with peak SPL listed as 126 dB. The cabinet includes four M10 threaded fly points, a 35mm internal pole mount, two side handles and a top handle.

Stardraw Control Beta 1 Application

www.stardraw.com

Stardraw.com is inviting users to beta test the Stardraw Control Version Beta 1 application. Stardraw Control generates stand-alone, customized control programs, offering a software-based, unified control framework that can manage any type of addressable equipment from any manufacturer over any communications infrastructure.

Stardraw Control can run on any Windows-enabled device, from PC to PDA, or Mac, Linux and more. And, it can communicate with and control any device using any protocol, including TCP/IP, RS232, DMX, IR, EtherSound and others. To become a test partner, go to the company web site.



Westone ES3 Three-Way IEM

www.westone.com

The Westone ES3 provides custom-fit in-ear personal monitoring (IEM), and is outfitted with a specialized crossover to supply true three-way output – low, mid and high.

Because the ES3 is a custom product, ear impressions made by a hearing healthcare professional are required. A searchable list of these professionals can be found on the company web site.