

Industry News

HIFICRITIC is a new bi-monthly stereo audio magazine entirely funded by subscribers. Delivering definitive, well-researched reporting, *HIFICRITIC* is headed by Editor Paul Messenger and Technical Editor Martin Colloms. Covering a generous mix of features and equipment and music reviews, the first issue was published on December 1. For more information, visit www.hificritic.com.

Acoupower has dropped the price for the 15 Bully Subwoofer, to \$299 in quantities of two, including US shipping. The 12 Bully Driver is now being developed, and will soon be available. The Acoupower website now has a page devoted to amplifier recommendations for the company's subwoofer drivers. See www.acoupower.com/amplifier.php for more.

Design Build Listen recently released an assortment of solid brass knobs, available in 30mm or 50mm diameters



and designed to complement the company's ezChassis pre-punched cabinets. For more information, visit www.designbuildlisten.com.

DH Labs has moved to their new headquarters. The new address is DH Labs, Inc., 9638 NW 153rd Terrace, Alachua, FL 35615.

The TM400, from **Lectrosonics**, simplifies the measurement process by eliminating long cable runs between the calibrated microphone and the test equipment. Now, however, some are using the system for recording ambient sounds at concerts. Due to its Digital Hybrid Wireless technology, the TM400 offers higher dynamic range than wireless systems with comparators. To learn more about Lectrosonics, go to www.lectrosonics.com.

After significantly simplifying the creation of electronic circuits for hobbyists, **SchmartBoard** has been nominated for a 2006 World Technology Award in the category of IT Hardware. Honoring individuals from 20 technology-related sectors viewed by their peers as being the most innovative and doing the work of the greatest likely long-term significance, the World Technology Awards are presented by the World Technology Network, in association with the New York Stock Exchange, Dow Chemical, *TIME* Magazine, and CNN.

The IDS-25, from **Haig Audio**, based on a design by Roger Russell, is a single-line array, full range system, requiring minimal power. The original design was one that Russell originated during his career at **McIntosh Labs**, and was built under two of his patents. For more information, visit www.IDS25.com.

New product literature is now available for **illbruck acoustic, inc.**'s SON-EXvalueLine Panels. The Panels, effective at absorbing excess sound at middle frequencies where unwanted noise and reverberation can interfere with communication, have noise reduction coefficients from 0.75 to 1.05. Visit www.illbruck-acoustic.com/vlit to obtain the product literature.

Aperion Audio has released the Intimus 533-T Tower Speaker, featuring beautiful midrange in a compact package. Also from the company is the 634-VAC, the first speaker to use VoiceRight technology, which compensates for the effects of reflected sound off large screen TVs and cabinets. To see the company's products and more, visit the newly redesigned website at aperionaudio.com.

Digi-Key Corporation received Pelco's "Supplier of the Year, New Product Support" award, and the President's Corporate Award for 2005, from **Murata Manufacturing Company**, based on sales expansion and Digi-Key's overall contribution to Murata. The company has also signed a global distribution agreement with semiconductor brand **SMSC**, providing application specific solutions. **Matrix Orbital**, a manufacturer

of LCD solutions, transducer manufacturer **CR Magnetics**, antenna solutions developer **Antenova**, **Fox Electronics**, **Future Designs, Inc.**, **Quatech**, **Amphenol Connex**, **Delta Products Corporation**, **Ember**, and **Conec** have all inked global agreements with Digi-Key as well.

Model 465, from **TDL Technology**, is a six-channel volume controller, featuring an all analog circuit, master vol-



ume control, individual channel volume controls, and IR remote control. Also from TDL, the Model 444A Stereo Headphone Amplifier features a non-inverting output, low noise, wide bandwidth, and works with virtually all types of headphones including low sensitivity and low impedance models. For more information, visit www.tdl-tech.com.

Mouser Electronics, Inc. has signed a global agreement with SchmartBoard, manufacturer of electronic prototyping system products. Mouser has also penned an agreement with SMSC to distribute the company's embedded I/O controllers, USB transceivers, Ethernet products, and more. The company released its third catalog of 2006, featuring 1,808 pages of the newest products and latest technologies. To find more information, go to www.mouser.com.

Consumer electronics manufacturer **ARCHOS, Inc.** introduced the Generation 4 line of portable media players, which hold up to 700 hours of TV content. Products include the ARCHOS



404 and 404 Camcorder, the 160GB ARCHOS 504, and the ARCHOS 604 and 604 Wi-Fi. Featuring full DVD resolution, the products can play all standard video formats, and offer TV recording with the DVR Station accessory. For more information, please visit www.archos.com.

New from **OPPO Digital**, the DV-970-HD Universal DVD Player with HDMI, with DivX certification, can play-back various media, and converts video to high definition resolutions from standard definition for HD compatibility. To learn more, visit www.divx.com.

Klipsch introduced the new iGroove HG, an MP3 shelf system now available in high-gloss black, as well as the KL-7800-THX in-wall LCR and KS-7800-THX in-wall sur-



round, versions of the THX Ultra2 custom home theater system. In other company news, klipsch.com was re-launched to better

serve goal-oriented visitors, while the brand is partnered with LivingHomes, LLC, a developer of prefabricated homes, which will feature Klipsch speakers. Visit klipsch.com for more.

The MPX1000 HD Multipoint Extender, from **Avocent**, provides connectivity for moving high-definition content from one source to multiple destinations. Extending video and audio over standard 10/1000 Ethernet wiring up to 3000' and wirelessly through walls up to 150', the MPX1000 HD has interchangeable modules for input of analog VGA signals or digital HDMI/DVI signals. Also from Avocent, the ECMS2000U is a digital workstation extender, providing hardware-based extension for digital/analog video, USB keyboard and mouse, USB media, and audio signals. Consisting of a computer node and user node interconnected in a point-to-point manner at Gigabit Ethernet rates using IP protocols over a single UTP cable, the ECMS2000U removes the requirement for conditioned power in the edit suite and greatly reduces ambient noise. For more information, please go to www.avocent.com. *ax*

CONTRIBUTORS

Ed Simon ("A Combination Horn You Can Build," p. 10) received his B.S.E.E. at Carnegie-Mellon University, and has installed over 500 sound systems at venues including Jacob's Field, Cleveland, Ohio; Museum of Modern Art Restaurants, New York; The Forum, Los Angeles; and Fisher Cats Stadium, Manchester, N.H.

Christopher Paul ("The Cathode Follower and Its Weaker Siblings," p. 22) has written a number of tube-circuit articles for *audioXpress*.

Gary Galo ("Grounding and System Interfacing," p. 26), Audio Engineer at The Crane School of Music, SUNY Potsdam, has authored over 230 articles and reviews on audio technology, music, and recordings.

Rudy Godmaire ("A Flexible Subwoofer Amp Pt. 1," p. 34), a sales consultant for Bell Canada, has been interested in DIY audio since 1998.

Steve Stokes ("A Unique Crossover Design With Waveform Fidelity," p. 42) is a former member of the AES and co-inventor of a Dipole Speaker System for Surround Sound. This is his first article for *audioXpress*.

Dennis Hoffman ("Low-Level Analog Switching," p. 51) is an associate engineer in the Controls and Power Electronics Department of The Stanford Linear Accelerator Center. This is his first article for *audioXpress*.

Dennis Colin ("Book Review: *The Art of Linear Electronics*," p. 62) has demonstrated the audibility of phase distortion at Boston Audio Society, and has designed the "Omni-Focus" speaker (bipolar coincidental with phase-linear first-order crossover), ARP 2600 analog music synthesizer, 1kW biamp and PWM supply at A/D/S, and Class D amps.

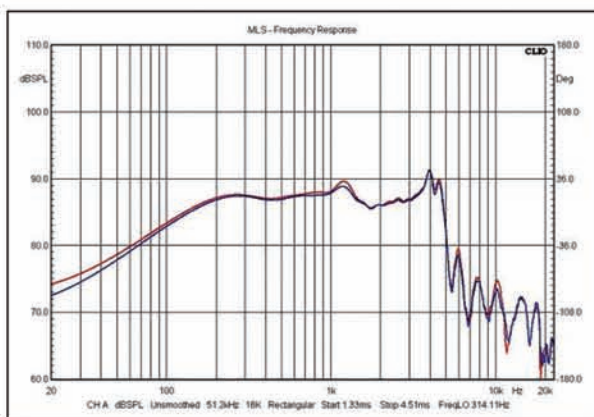
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NEW PRODUCT LINE

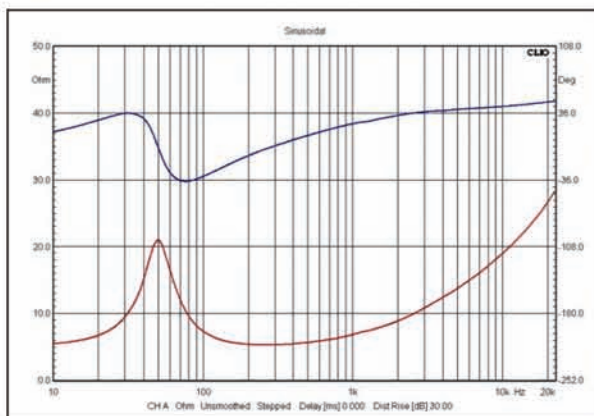
DIAMOND AND SOFT DOME TWEETER - 5", 6", 8" DRIVERS



The **JA-6004** is a powerful 6" midbass driver fitted with a polypropylene cone and a massive 75 mm voice coil ensuring high power handling. A thoroughly vented spider chassis provides free air ventilation and absence of compression. The driver may be used in 2-way monitors of modest size or as a 2-way floorstander in a 16-22 litres enclosure.



Frequency response from mounting the driver in a floorstander cabinet with front panel dimensions of 190 x 1000 mm. Response from two drivers shown.



For USA: available at Parts Express, Springboro, Ohio www.parts-express.com

www.jantzen-audio.com JANTZEN AUDIO DENMARK