

## AES DAILY

day2  
friday  
edition

SERVING THE 141ST AES CONVENTION • september 29-october 2, 2016 los angeles convention center, los angeles, ca

## +BREAKING NEWS

Download the official AES Mobile app for the latest news and information from AES.

AR, VR  
Become  
Reality at  
AES

By Steve Harvey

Augmented Reality (AR) and Virtual Reality (VR) are the new Wild West for the audio industry, so it's perhaps appropriate that the inaugural AES International Conference on Audio for Virtual and Augmented Reality should be launched here in the former American frontier state of California.

The two-day AR/VR Conference, which requires separate registration to the 141st AES Convention, features workshops, tutorials and a

ar, vr on page 38



**A ROUSING START** Upon the official opening of the 141st AES Convention yesterday, throngs of attendees swarmed onto the exhibit floor and packed sessions and workshops to learn new skills and absorb insights from top industry pros. The packed Opening Ceremonies featured an inspiring keynote by Ron Jones (seen here in action), who drew on his wealth of experience as a composer (more than 40,000 compositions to his credit, plus Emmy and GRAMMY nominations) and studio owner/operator (SkyMuse Studios) to offer real-world examples and encouragement to the assembled enthusiasts.

*Case Makes the Case for  
Expanding AES*

By Strother Bullins

Having devoted his professional career to the studies of aesthetics, perception, signal processing, electro-acoustics and room acoustics as part of recorded music, incoming AES President Alex Case is an Associate Professor of Sound Recording Technology at the University of Massachusetts Lowell where his students gain from these passions. Keeping pace with AES's evolution, Case is dedicated to expanding boundaries and encouraging new possibilities.

"It may not be apparent from

the outside, but AES has pushed itself out its comfort zones and stopped doing things just because "that's the way we always do it," Case explains. "The leadership, staff and volunteers are innovating, getting creative and becoming even more entrepreneurial so that we can be agile enough to keep up with the constant change in our chosen field—I mean, audio! So much of the technology, workflow, distribution channel and creative output bear no resemblance today to what we were doing 10 years

case on page 38

141st AES:  
Always  
Magic in  
The Air

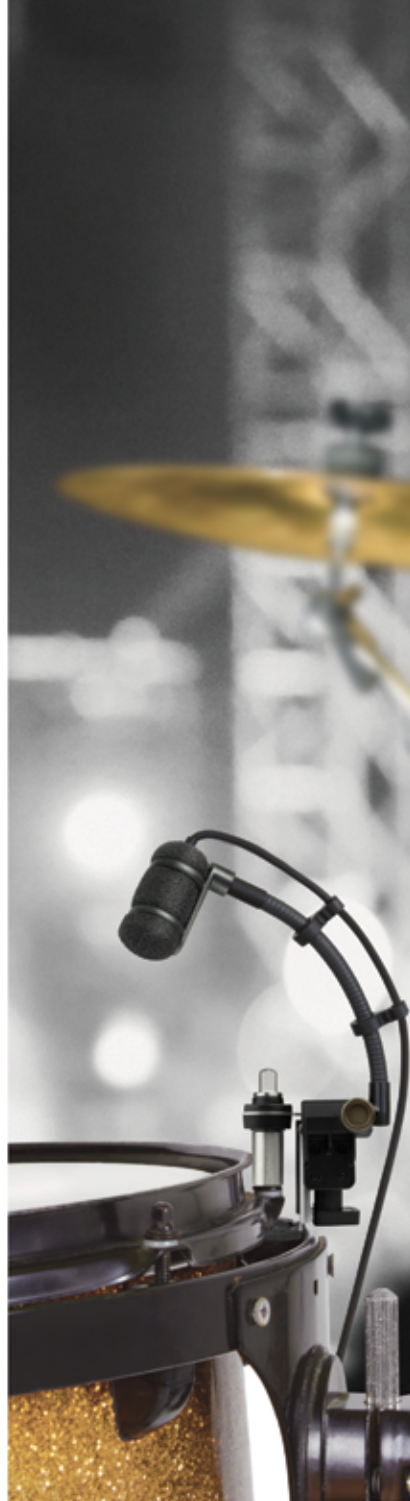
By Clive Young

As the AES Convention rolls into Day 2, there's a sense of excitement in the air. After a two-year wait, the annual audio convocation was warmly greeted yesterday by the west coast audio community, as the exhibition aisles were filled with throngs of people here to see the latest and greatest gear. Meanwhile, the workshops were filled with attendees ready to learn new skills and absorb insights from top industry professionals, and the opening ceremonies were packed as the AES honored individuals who have made a difference for the organization and the industry at large.

"We've been really gratified how the L.A. community has embraced the show," mused Bob Moses, executive director of the AES. "There's a lot going on this weekend—evening events and so on—so the community has coalesced around the convention and that's gratifying to see." Bolstering that, the pre-registration for the show is higher than the last

magic on page 38





## COVERED | The New ATM350a Instrument Microphone Systems



Whatever your instrument, Audio-Technica has an ATM350a microphone system to ensure it sounds great. Not only does this cardioid condenser come with an array of mounts – many with a re-engineered, robust gooseneck built to stay where you set it – but it also provides clear, well-balanced response (even at high SPLs). So no matter what, where or how you play, the ATM350a has you covered.

[audio-technica.com](http://audio-technica.com)



woodwinds



piano



universal



drums



strings

 **audio-technica.**  
always listening



## Clive's Live Sound Picks

By Clive Young

There's a ton of live sound-related events, panels and workshops going on this week at the AES Convention. Here's a small sampling, but make sure to check the show schedules for even more intriguing offerings.

■ **Wireless Spectrum Update; Room 408B, 1:30 p.m.** It seems as it seems like the pro audio's use of RF is in a constant state of flux, that's because it is. Find out what's new, what's been auctioned off now and what's ahead in this freewheeling panel with pros from Shure, Lectrosonics, Audio-Technica, Sennheiser, and Radio Active Designs. Besides discussing new regulations for wireless mic compliance, there'll be insights on the potential for new frequency bands to become available on a shared basis—be the first to find out what they might be.

■ **The Grand Mother: Miking the Piano;**

*Live Sound Expo, 12 p.m.* Join Jeramiah Slovarp and Ken Newman (FOH engineer for Barry Manilow, Anita Baker) as they discuss best practices for miking pianos in a live setting. Lots of engineers eschew using a real piano in favor of a keyboard due to simplicity, lack of mic bleed and more, but this workshop will share how to capture the 88s without issues.

■ **Shelf the Lows: Time to Kill the Subs?;** *Live Sound Expo, 2 p.m.* Howard Page of Clair Global has handled the FOH mix for Sting, Sade, Phil Collins, James Taylor, Paul Simon, Mariah Carey, Van Halen, Bee Gees (for 25 years), and hundreds of others—and now he's at AES to examine the role and use of subwoofers in live sound. Unchecked, they can overpower the main mix to the point of distraction, so he'll explain methods and means to ensure they're kept in check.



**HARMAN SOLUTIONS AT HAND** Ted White, Business Developer, Retail Recording, Harman Professional Solutions, poses with the JBL M2 and a couple of 7 Series monitors. Visit Harman at Demo Room 504 for listening demonstrations throughout each day of the 141st AES.

## Sony Spotlights New Hi-Res Recorder

**BOOTH 707** Ideal for recording music, business uses and field recording, Sony's ICD-SX2000 offers high quality sound recording and playback at an affordable price. With smartphone app control, Bluetooth connectivity, an adjustable microphone for optimization and a compact size, users can seamlessly record, download and enjoy high-resolution audio content.

The ICD-SX2000 enables seamless smartphone control with the REC Remote app which allows users to start and stop recordings, adjust levels and settings, and even add track marks, all using a smartphone, even at a distance from the recorder.

The hi-res recorder offers a three-way microphone for crisp and reliable zoom, wide stereo and XY. It also features linear PCM recording for capturing sound at up to 96KHz/24-bit and playback at up to 192kHz/24-bit. In addition, there is a built-in Lithium Battery and 16GB of memory, with a micro SD card slot for additional storage. It also includes an embedded tripod hole for advanced configurations and USB Direct for easy transfer and storage of recordings.

## Audionamix Readies Speech Volume Control Plug-In

**BOOTH 203** Audionamix is at AES unveiling plans for the release of what it says is the world's first speech-specific volume control plug-in, ADX SVC, due in October.

Using a state-of-the-art version of ADX-VEX, a cloud-based, multi-algorithmic voice extraction technology that automatically separates audio within mastered tracks, ADX Speech Volume Control (SVC) plug-in provides independent volume level control over both speech and background elements within a mono or stereo mix. Users are able to lower the level of background noise within troublesome

production audio or easily boost dialogue levels without requiring access to stems or the full multi-track session.

SVC's elegant interface offers advanced ADX separation algorithms via simple controls and standard volume faders. A brand new Consonants Detection Algorithm automatically identifies, separates, and controls difficult noisy consonants. Fully adjustable Pitch Range Sliders allow users to hone in on specific voice ranges, while preset voice profiles easily target the three standard frequency ranges of speech—male, female and child.



**WONDER WANDERS INTO AES** Adding considerable star power to the 141st AES Convention, Stevie Wonder, national treasure and authentic American musical legend, made a return visit to the show floor yesterday. In years past it was common for AES to enjoy a visit from Stevie, and his appearance this year affirms the continuing vitality of the AES, organization and Convention, as a showcase of the most exciting new technology and advanced, cutting edge ideas in all things audio. As Stevie has been known to advise, 'You can feel it all over.' Greeting Stevie on the exhibit floor with a laurel, and hardy handshake, was outgoing AES President John Krivit, audio leader and holistic industry guide par excellence.

## ShowNews



**EXPOS EXTRAORDINAIRE** Two of the AES Convention's most popular events, the Live Sound Expo and the Project Studio Expo, drew enthusiastic throngs on opening day of the 141st Convention. The Live Sound Expo (a moment from which is captured in the photo at left) offers expert advice for the broad spectrum of live sound engineers, who comprise some 25 percent of the Convention's attendees; the Project Studio Expo offers a panoply of tools and techniques shared by top pros with a packed house of attendees (below) clearly locked into the presentations at hand.



## Sennheiser Set for AVAR Immersive Audio Panel

**THEATER ROOM 441** As part of the Audio for Virtual and Augmented Reality Conference (AVAR), which the AES is holding in parallel to this year's Convention, Sennheiser is participating in a panel on "Immersive Sound Capture for Cinematic Virtual Reality," which takes place on Saturday, October 1st from 11:30 a.m. to 12:30 p.m. The panel will take a look at the technical and physical requirements that VR puts on location sound engineers and discuss the benefits and constraints of spatial ambience and point sources, finishing with an in-depth look at audio monitoring for VR productions. Sofia Brazzola of Sennheiser Strategic Innovation commented: "Within the framework of our AMBEO 3D audio program, we have been active in the VR production field for quite some time, developing the optimum solution for immersive audio capture. We are therefore extremely happy to be chairing this exciting panel on Cinematic VR."

## ShowNews

### Today's Technical Tours

8:15 a.m.-11 a.m.

**Sunset Sound Recording Studio** More than 50 years of iconic music has been created in Sunset Sound, one of the last independent LA studios with its original ownership. Attendees will be able to visit the same room where Janis Joplin, the Doors, the Rolling Stones and countless others recorded and get a first-hand look at Sunset Sound's enviable collection of vintage mics and rare gear, balanced with the very latest studio tools. Limited to 25 people.

9 a.m.-Noon

**Dolby Theatre** An ongoing showcase for Dolby's latest technological innovations, this elegant 3,400-seat theater is home to the Academy Awards and other high-profile events. This behind-the-scenes tour will be led by the theater's top technical and audio staff. Limited to 30 people; the tour will involve a lot of walking and stairs.

9:15 a.m.-Noon

**Paramount Recording Studio** This legendary eight-room complex has been a favorite destination for audio engineers and artists from

The Jackson Five and Frank Zappa to Justin Timberlake and Celine Dion.

1:15 a.m.-4:45 p.m.

**Dolby Atmos Post Production** This visit to Dolby's Umlang Theatre in Burbank will offer a special tour designed for AES attendees, giving a rare, first-hand look at Dolby's RMU (Rendering and Mastering Unit) tools for immersive audio in cinema, and show how they integrate into consoles and third-party tools, with time for Q & A. Experienced engineers will demonstrate a live Atmos theatrical mix where attendees can see and hear the process in a Dolby aligned theater. Limited to 36 people.

2:15 p.m.-7 p.m.

**Universal Studios Hollywood's WaterWorld Attraction** Experience Universal Studios Hollywood's WaterWorld—the #1 rated stunt show—with jet skiers, firefights, pyrotechnics and an airplane crash; then get a behind the scenes live audio production tour led by the technical staff of Bose Professional and Universal Hollywood's Tech and AV teams. Limited to 44 people.

3 p.m.-6 p.m.

**NRG Recording Studio** NRG Recording Studio's stunning Moroccan and Gothic Revival décor and extensive collection of vintage guitars, amps, mics and outboard gear have served as inspiration for a diverse range of

artists including Alicia Keys, Bon Jovi, Run DMC and many more. Owner and award-winning producer Jay Baumgardner will take attendees on a complete tour of this one-of-a-kind facility. Limited to 45 people.

### If You Build It, They Will Come

On Saturday, October 1, beginning at 9 a.m., the Product Development Track is dedicating an entire day to a workshop where product development professionals learn about the latest technologies and best practices in bringing new products to market across the entire development process. To bring this session to life, a team of product development experts will develop an actual product (codenamed Speak2Me) in front of and with the help of the audience. The proposed product will be one that competes with Sonos, Echo and other high volume consumer AoT (Audio of Things) products. There will also be a demo room offering attendees a hands-on look and hear of the Speak2Me and an opportunity to interact with the development team. Join Scott Leslie (shown here), Chief Architect, PD Squared and a former VP of Engineering at JBL, whose brainchild this session is, for what promises to be a most memorable day at AES.





# Ultimate De-essing

Come and  
see us at  
**booth #917**  
and get your  
personal  
demo!

e<sup>2</sup>deesser



**The e<sup>2</sup>deesser is your ultimate de-essing tool:**

It is designed to be extremely easy to use for musicians and audio enthusiasts, along with the versatility, power and reliability that are required by the most demanding mixing engineers.

[www.eiosis.com](http://www.eiosis.com)

eiosis  
(s)



**A-T LAUNCHES ALTEROS** Audio-Technica is launching a high-technology subsidiary company, Alteros. The new subsidiary will develop products capitalizing on A-T's years of extensive ultra-wideband (UWB) and RF technology research, as well as innovative digital solutions designed to solve the most demanding technical problems. Shown here, from left: Philip Cajka, Audio-Technica U.S. President and CEO, and Jackie Green, Audio-Technica U.S. VP R&D/Engineering and Alteros President and CTO.

## ShowNews

### Today's Broadcast & Streaming Media Events

9 a.m.-10:30 a.m.

**Session B5:** Audio Considerations for 4k and 8k Television

1:30 p.m.-3:15 p.m.

**Session EB2:** Lecture: Production and Broadcast

1:30 p.m.-3 p.m.

**Session B6:** Interview with Bob Orban

3:15 p.m.-4:45 p.m.

**Session B7:** Audio Considerations for Over the Top Television

## Steve's Potpourri of Audio Picks

By Steve Harvey

There are events galore on Friday, beginning with tips from the masters in **"Mastering for Vinyl"** (Rm 501ABC, 9 a.m.). Eric Boulanger, Bernie Grundman, Cameron Henry, Chris Mara, Ron McMaster and Jeff Powell will elaborate on the specific requirements for preparing a music project for release on vinyl.

■ **"Life in the Hotseat-Audio Production for Live Global Telecast Events"** (Rm 502AB, 10:45 a.m.) presents an all-star panel of engineers, producers and RF specialists with experience on major awards telecasts and sports events offering a peek behind the curtain at some of the world's most technically advanced and challenging audio productions.

■ OTT is proving to be something of a testbed for new technologies such as 4K video and next-generation audio services, and chal-

lenging issues such as loudness management and interoperability remain largely unresolved. The NAB's Skip Pizzi will moderate a panel of broadcast experts to discuss **"Audio Considerations for Over-the-Top Television"** (Rm 408A, 3:15 p.m.).

■ This year features the inaugural **AES International Conference on Audio for Virtual and Augmented Reality**, a two-day conference beginning today, with companion workshops, tutorials and manufacturers' expo. Appropriately registered attendees can expect a busy schedule of events.

■ Last, but by no means least, I will be on a panel, **"OK, You Did Not Get the Gig at the Studio. Where Are the Jobs?"** (Rm 502AB, 9 a.m.), that will offer suggestions for alternative careers in the audio industry beyond the recording studio.

## Lynx Intros Interface for Hilo, Aurora Converters

**BOOTH 313** Lynx Studio Technology is introducing the LT-DANTE LSlot interface for its Aurora and Hilo converters. The LT-DANTE is a Dante-enabled expansion card for audio networking that connects Hilo and Aurora with other Dante-enabled products over Ethernet-based networks.

"As we've monitored the growth of audio over IP and Dante in particular, it became clear that we needed to take advantage of Aurora's and Hilo's expandability and create a range of Dante enabled Lynx products," says Bob Bauman, Lynx Co-Founder and Chief Hardware Engineer. "Not only does this continue to keep Aurora and Hilo in the forefront of audio

performance, but it allows these converters to be included in multitudes of Dante installations and applications. What we've witnessed in development of these networked products is they simply work, and it's the very plug-and-play nature of Dante that was so attractive for us as a manufacturer."

At the same time that the LT-DANTE is released, Lynx is introducing several converter models using this interface. These include the Hilo-DT, Aurora 8-DT and Aurora 16-DT models. In addition, any existing Hilo or Aurora owner can implement an LT-DANTE to their converter with the latest firmware.



Lynx's Hilo Reference AD-DA Converter System



## Strother's Picks: Perception is Reality

By Strother Bullins

On the second full day of the convention, perception of audio is an abounding theme in AES sessions and events. Specifically, "Perception & Forensic Audio" paper presentations followed by a three-part paper series specifically about aural perception across many cognitive categories begins today. Importantly, all papers presented are available for purchase, too.

■ From 1:30-3 p.m. in Rm 403B, the "Perception & Forensic Audio" paper series kicks off with gunshot waveform analyzation in "Determining the Muzzle Blast Duration and Acoustical Energy of Quasi-Anechoic Gunshot Recordings" with Tushar Routh of Montana State University. Here, Routh identifies how he characterizes one particular shot by classifications including firearm and ammunition type, orientation, etc.

Other varied topics in this series include analysis of electronic network frequency (ENF) signals in metro Tokyo; the question of "Does Environmental Noise Influence Preference of Background/Foreground Audio Balance?" in which Newcastle University's Tim Walton reveals emerging issues regarding the

way humans process audio in an increasingly noisy world; and finally, "Evaluation of a Perceptually-Based Model of 'Punch' with Music Material" where University of Huddersfield's Steven Fenton poses an objective model for the measurement of that oft-elusive 'punch' audio producers seek in their works—that "perceptual attribute often used to characterize music that conveys a sense of dynamic power or weight," previews Fenton.

■ At 3:15-4:45 p.m. in Rm 409B, the unpacking of perception issues continues with "Perception-Part I" featuring three papers, "In-Vehicle Audio System Distortion Audibility versus Level and Its Impact on Perceived Sound Quality," "Effect of Presentation Method Modifications on Standardized Listening Tests," and finally, "Can We Hear The Difference? Testing the Audibility of Artifacts in High Bit Rate MP3 Audio." Notably, Part II and Part III three-paper perception-themed presentations continue and conclude, respectively, on Saturday.

## Today's PMC 'Masters of Audio' Sessions

9:15-10:15 a.m.

**David Miles Huber:** Engineering IDM in 5.1

10:30 a.m.-noon

**Jeff Ellis:** Engineering Frank Ocean's "Blonde" and "Channel Orange"

1-2 p.m.

**PMC Student Playback:** Bring your own music and play back on the biggest PMC system ever!

2:45-4 p.m.

**Al Schmitt & Steve Genewick:** The Art of Recording a Big Band

4-5 p.m.

**Student Recording Critique Sessions:** Pointers, tips, tricks and advice to push your skills



Get Smart in Demo Room 511A - AES 2016

## Designed to Adapt

### Next Steps for Smart Active Monitoring Systems



Genelec's long-standing commitment to providing state-of-the-art monitoring solutions for professional applications continues. The new generation of high resolution Smart Active Monitoring Systems (SAM™) expands further with the 8340 and 8350 Smart monitors, the 7360 and 7370 Smart subwoofers, and the 9301 AES/EBU Multichannel interface.

Acoustically adaptable to every environment, providing outstanding sound reproduction accuracy, flexibility and unlimited configuration possibilities, Genelec SAM Systems allow you to focus completely on your creative work.

Genelec Inc. 7 Tech Circle Natick, MA 01760 508 652 0900 (t)  
genelec.usa@genelec.com

**GENELEC®**  
the sonic reference

# Avid Marketplace: New Features, New Partners

**BOOTH 303** Momentum for the Avid Marketplace continues to grow with widespread partner participation and extensive, streamlined development toolkits. With powerful new features and a greatly expanded list of partners that continues to grow, the Avid Marketplace puts hundreds of AAX plug-ins within easy reach of Avid Pro Tools, Avid Media Composer and Avid VENUE users.

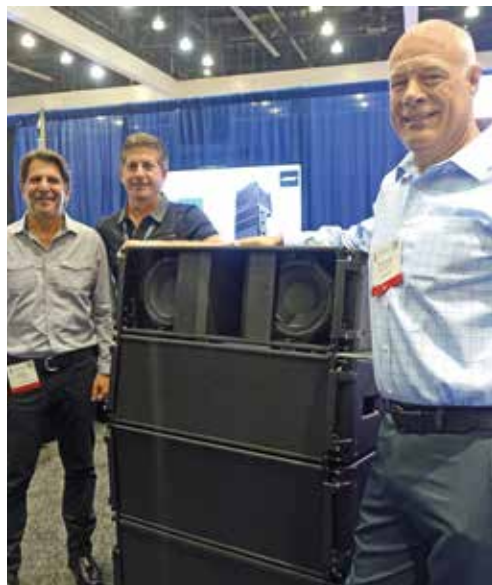
Participants in the Avid Marketplace include Waves, Crane Song, Eventide, iZotope, Sonnox and Nugen, providing a large and ever-expanding selection of AAX tools that meet the needs of all users—from a guitarist creating a demo with Pro Tools | First to a Pro Tools | HDX user collaborating remotely across continents. In addition, the Avid Marketplace now welcomes partners who use serial codes for license management, helping make the Avid Marketplace an even more valuable resource to Avid users.

The Avid Marketplace offers in-app purchases within Pro Tools, enabling users to spontaneously audition and purchase AAX plug-ins without losing their creative momentum. Plug-ins can also be automatically installed while a project is active.

## ShowNews



**THOUGHTS TO CHEW ON** One of the signal events of AES's opening day was the 9:30 a.m. 'Brunching with Bonzai' extravaganza hosted by David Goggin, better known in many quarters as Mr. Bonzai. Mr. B's special guest was towering producer Jack Douglas, whose work on albums by the likes of Cheap Trick, Aerosmith, Miles Davis, et al., alone made him one of the industry's most sought-after producers. But it was as an engineer and producer for John Lennon (starting with the *Imagine* album and including the tragedy-marred *Double Fantasy* project) that Douglas entered into legend himself. Douglas and his son Blake (an in-demand production consultant, engineer [credits include Nas, Common and No ID] and studio designer) ranged far and wide in their Bonzai session, waxing eloquent on music, motivation and music industry trends and prognostications. Pausing post-dialogue here are, from left, Blake Douglas, Jack Douglas and the sartorially resplendent Mr. Bonzai.



**BOSE PROFESSIONAL, BOOTH 105** Bose Professional is showing its ShowMatch array loudspeakers and PowerShare amplifiers, as well as hosting an AES Tech Tour to Universal Studios Hollywood's WaterWorld Attraction on Friday. Shown from left are Bose Business Manager – Western Region Phil Celia, Los Angeles Business Manager Doug Green and North American Manager Rob Grubb.

## iZotope Intros Innovative Mixing Plug-In

**BOOTH 206** iZotope, Inc., is introducing Neutron, its newest mixing plug-in, set to launch in October. Geared toward simplifying and enhancing the mixing process, Neutron combines the latest innovations in analysis and metering with industry-leading audio processing to deliver unprecedented focus and clarity in mixes. Neutron's Track Assistant saves you time by listening your audio and recommending custom starting points for your track. The analysis intelligence within Neutron allows Track Assistant to automatically detect instruments, recommend the placement of EQ nodes, and set optimal settings for other modules. You still maintain full control over all your mix decisions, but Track Assistant gives you more time to focus on what's most important—your creative take on the mix. Another innovation, Neutron's Masking Meter allows you to visually identify and fix perceptual frequency collisions between instruments, which can result in guitars masking lead vocals, bass covering up drums, and other issues that can cause a "muddy" or overly crowded mix. Easily tweak each track to carve away muddiness and reveal new sonic possibilities.

## Prism Sound in Full at AES

**BOOTH 714** Prism Sound is showing a full range of audio interfaces and converters including its flagship ADA-8XR multichannel converter, which has been installed in many acclaimed recording facilities world-wide. Alongside the ADA-8XR, Prism Sound will show more recent additions to its range including the Lyra, Titan and Atlas audio interfaces, all of which connect seamlessly to both Macs and PCs via a simple USB interface. Aimed at musicians, composers, project studio owners, DJs, re-mixers and other audio content producers such as radio and podcasting, these interfaces bring Prism Sound's renowned audio quality and powerful clock circuitry to a much wider audience.

At AES, Prism Sound also is demonstrating its MDIO-HDX expansion module, which is specifically designed for the company's Titan and Atlas audio interfaces. Launched at NAMM earlier this year, the module, compatible with the Avid DigiLink connection, allows multiple Titan or Atlas units to be connected directly to Pro Tools|HD systems. With this setup, users of Avid Pro Tools|HD can enjoy the superior sound quality of the Prism Sound Titan and Atlas A/D and D/A converters and its equally well regarded on-board microphone preamplifiers.



Prism Sound's MDIO-HDX expansion module





## Our finest Reds

The products in our original Focusrite Red range, introduced in 1993, represented the pinnacle of our hardware design – and they are still found in pride of place in the finest studios around the world. Our aim then was to make superb tools for audio recording and production, where sound quality was paramount.

Today, we're the world's leading audio interface company, and our philosophy is exactly the same. And we've applied it to our latest line of Thunderbolt interfaces: the 'new' Red Range – in the form of the Focusrite Red 4Pre and Red 8Pre.

With your choice of four or eight 'Air'-enabled mic pres, up to 64 inputs and 64 outputs, and with Thunderbolt 2™, Pro Tools | HD and Dante™ network audio connectivity, Red 4Pre and Red 8Pre give you the choice of two of Focusrite's finest, fastest, easiest and most beautiful interfaces to date.

Focusrite Red 4Pre and Red 8Pre. Our finest Reds – with a proud vintage behind us.

8Pre



4Pre



## A-T Spotlights Matte Gray ATH-M50X Headphones

**BOOTH 503** Audio-Technica is displaying the ATH-M50xMG Professional Monitor Headphones, a limited-edition matte gray version of A-T's popular ATH-M50x and part of A-T's M-Series line of headphones. The included cables and storage pouch are gray to match the headphones.

From the 45 mm large-aperture drivers to its sound-isolating earcups and robust construction, the ATH-M50xMG provides an unmatched experience for the most critical audio applications, including recording, live sound, broadcast, DJ and personal listening. The headphones incorporate technology drawn



Audio-Technica's ATH-M50xMG professional monitor headphones family: (from left) ATH-M50xWH (white), ATH-M50x (black) and ATH-M50xMG (matte gray).

from Audio-Technica's long history in the field of high-performance professional audio, providing exceptional power handling, very high SPL capability, and natural, accurate sound with impactful bass and high-frequency extension. With professional-grade earpad and headband material and a collapsible design, the ATH-M50xMG headphones remain comfortable throughout long monitoring sessions and transport easily.

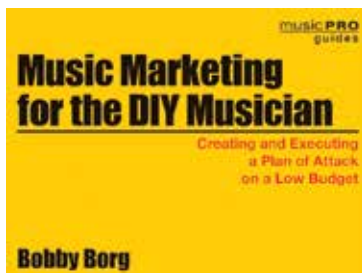
## Music Marketing Video Training Via Hal Leonard

**BOOTH 1016** Hal Leonard is presenting a new video training course, available for streaming or downloading at Groove3: *Music Marketing for the DIY Musician: Creating and Executing a Plan of Attack on a Low Budget*.

This Pensado's Strive course is based on Bobby Borg's popular book, *Music Marketing for the DIY Musician*. The course provides a guide to producing a customized, low-budget marketing plan for artists.

Borg reveals some of the same tools and techniques used by innovative top companies and provides essential insight on how artists may take control of their own destinies, save time and money and fulfill their ultimate vision. In this course, he covers:

- Market research and goal setting
- Developing your brand, launching products and a customer service strategy
- Pricing and placement strategies for live performances, recordings, merch, and songs
- Promoting your brand and songs online, through publicity, advertising, word of mouth, guerilla marketing, sponsorships,



radio promotion, direct marketing, and face-to-face selling strategies

•Funding your projects, creating budgets, scheduling, choosing partners, delegating the work, and pitching to investors

The course will be available at Groove3.com this fall.

## Yamaha Dante Products to Support AES67

**BOOTH 603** Yamaha Corporation is successfully updating Dante products to support the AES audio-over-IP interoperability standard. This will allow Yamaha products equipped with Dante networking capability to communicate with Ravenna and other audio networks via AES67.

Beginning with the CL Series Digital Mixing Consoles introduced in 2012, Yamaha has included Audinate's widely favored Dante audio networking solution in digital mixers, signal processors, power amplifiers, and other pro audio devices, contributing to the growth of audio networking throughout the industry. As of this month, a total of 24 Yamaha products offer Dante networking capability.

In February 2014, Audinate announced that Dante would be updated to support AES67. Yamaha plans to successively update Dante-equipped products with device and Dante firmware updates that will add AES67 support, beginning with the CL/QL Series Digital Mixing Consoles and R Series I/O racks later this year.

Broadcast oriented features introduced in CL/QL firmware V3 has made it possible for these consoles to be increasingly accepted by broadcast engineers, leading to numerous requests for Ravenna network compatibility. AES67 support will allow Dante and Ravenna devices to work together in broadcast systems that offer unprecedented flexibility and efficiency.

## DACS Test Lab Marks First Anniversary

**BOOTH 328 (WITH INDEPENDENT AUDIO)** DACS Test Lab is celebrating its first birthday in style. Designed by and for audio installations engineers, Test Lab packs a whole testbench into a handheld package that easily fits into a tool box.

Test Lab is designed to make it easy to use in high pressure situations: battery powered; individual meters for input and output; power amp; oscillator with three frequencies and pink noise; connectors spaced for easy plugging; work lights; 26dB pads on speakon inputs; tests

cables in seconds, local and remote; AC power, confirms voltage; adjustable loudspeaker.

Says DACS Managing Director Douglas Doherty: "Our aim with Test Lab was to make life easier for pro-audio installers. Our experience is that Test Lab solves problems with complete assurance; it's saved loads of time with all sorts of issues from broken speakers to blown fuses in IEC leads. The total confidence its results give our engineers when they're on site has reduced stress and kept the grey hair count down!"




# m108

Microphone Preamplifier / ADC / DAC / Interface



From mobile laptop tracking, to large scale networked audio production, the m108 is the new MVP in any modern recording environment. It provides 8 channels of beautifully transparent, musical mic preamplifier with state of the art ADC's, and a simple, powerful 8x2 USB2 interface. A built-in low latency mixer and reference DAC make the m108 the perfect mobile interface, while its remote control options and stunning audio performance make it the ideal front end for high-end remote recording or FOH systems.

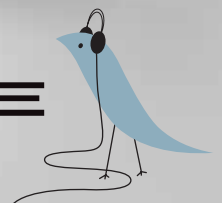
- 8 channel remote controlled microphone preamplifier • 192kHz ADC outputs via AES, ADAT and USB Class 2 • Ultra-wide gain range • Ribbon mic mode • Optional  Dante interface module • Reference DAC and headphone amplifier for low-latency monitoring • 10 channel digital mixer • Front panel HI-Z inputs • Control from Protools™, existing m802 RCU, or over Ethernet with computer utility or built-in web browser GUI • 5 year transferrable warranty • Built in the USA



**AES BOOTH #710**

**GRACE**  
DESIGN

[www.gracedesign.com](http://www.gracedesign.com)



## Neutrik Expands etherCon for Dante Connectivity

**BOOTH 1006** Neutrik is expanding its already extensive line of copper networking connector products, which are ideal for Dante and other audio or audio/video networking applications. Neutrik's new etherCON chassis connectors offer Cat 5e performance along with options for full shielding, through-hole lightpipes, and SMD lightpipes. New vertical-mount PCB connectors are available with 24mm PCB-to-front panel spacing, allowing placement of etherCON connectors onto the same boards as XLR and three-quarter-inch connectors.

Neutrik's new 10-pin (8+2) XLR line facilitates the transmission of up to four wire pairs of digital data along with two additional power

wires providing up to 16A @ 50V. This line is ideal for remote stage boxes and other distributed audio applications where POE+ is insufficient. Neutrik's 10-pin XLR line consists of male and female chassis connectors, straight cable connectors and right-angle cable connectors, all with solder termination.

Additionally, Xirium Pro offers two channels of compression-free wireless Dante transmission at distances up to 1,600 meters with extremely low, fixed latency.

For applications requiring higher bandwidth, Neutrik's new etherCON Cat 6A line offers 10Gb connectivity at up to 100 meters. Chassis connectors are available in IDC and



Neutrik's Cat5e, Cat6a and 10-pin XLR connectors

RJ45 feedthrough configurations, with IP65-rated (when mated) options.

## A-Designs Brings Down the HAMMER

**BOOTH 1120** Certainly one of the most popular sound sculpting creations in A-Designs Audio's product lineup has been the HM2EQ Hammer, a three-band, dual-mono tube/hybrid equalizer widely praised for its sound in the studio, both for tracking as well as across the main mix outputs. Now, after fielding input from many engineers and producers, A-Designs is introducing a new version, dubbed the HAMMER 2.

"Based on the input we got back, we've extended the frequencies on the new HAMMER 2, as well as added shelving on the lows and highs. So the frequency bands can now nicely overlap into each other and you can really give the bottom end a bit more punch, thanks to the shelving," says A-Designs Audio President Peter Montessi.



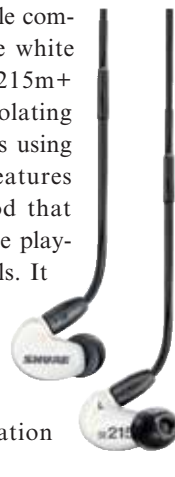
A-Designs' HAMMER 2

"We've also now switched over from continuous-sweep pots to 31-detent controls, which will improve setting repeatability. With the new HAMMER 2, musicians and engineers can easily recreate the same sounds they've loved with the previous model, but now also have access to even more options and tones. The new version really sounds incredible—especially the shelving—and it's everything the old HAMMER was and more."

## Shure Intros SE215m+ Special Edition

**BOOTH 803** Offering a truly integrated mobile communications performance in an exclusive white and gray finish, Shure unveiled its SE215m+ Special Edition (SE215m+SPE) Sound Isolating Earphones. Designed for music enthusiasts using Apple iOS devices, the SE215m+SPE features a sleek, three-button communication pod that enables users to conveniently control device playback, volume and sending/receiving of calls. It also includes a microphone for calls and voice control apps. The SE215m+SPE earphones ship with a detachable and replaceable Remote + Mic Accessory Cable, offering a unique combination of communication technology, durability and sound quality.

The SE215m+SPE incorporates technology originally developed for pro musicians to deliver premi-



**Shure's SE215m+ Special Edition Sound Isolating Earphones**

um sound, quality and durability at an affordable price point. With comfortable Sound Isolating sleeves blocking up to 37 dB of outside noise, the headset reproduces uncolored, artifact-free sound that prevents outside noise from interfering with your music. The SE215m+SPE boasts a single dynamic MicroDriver for detailed sound and enhanced bass extension, featuring an acoustic network tuned for extended bass performance. It features an ergonomic, professional design with detachable cable, and an optimized nozzle angle positioned to rest in the ear for hours of comfortable listening.

## Grace Design's New m108: The MVP

**BOOTH 703** For applications ranging from mobile laptop tracking to large scale networked audio production, Grace Design's m108 is the new MVP in any modern recording environment. It provides eight channels of beautifully transparent, musical mic preamplifier with state of the art ADCs and a simple, powerful 8 x 2 USB2 interface. A built-in low-latency mixer and reference DAC make the m108 the ideal mobile interface, while its remote control options and stunning audio performance make it the ideal front end for high-end remote recording or FOH systems.

Features include: eight-channel remote controlled microphone preamplifier; 192kHz ADC outputs via AES, ADAT and USB Class 2; ultra-wide gain range; ribbon mic mode; optional interface module; reference DAC and headphone amplifier for low-latency monitoring; 10-channel digital mixer; front panel HI-Z inputs; control from Protools, existing m802 RCU or over Ethernet with computer utility or built-in web browser GU; five-year transferable warranty; built in the U.S.



## Millersville U. Connects With Focusrite RedNet

**BOOTH 202** Millersville University, in Millersville, PA, benefits from its relationship with Clair Solutions, a world-renowned audio, video and lighting integrator, located in nearby Manheim. Clair has been instrumental on the systems side of the Charles R. and Anita B. Winter Visual and Performing Arts Center at Millersville University, the \$26 million, 84,000-square-foot media center that features a concert hall, recital hall, performance hall, classrooms, recording studios, piano lab, a music library, faculty offices and more. The Center's audio systems recently underwent a significant upgrade with the integration of a number of RedNet Dante-networked audio converters and interfaces from Focusrite.

Clair Solutions installed two RedNet 4 Eight-Channel Mic Pre-amps; two RedNet 5 HD Bridge interfaces for Pro Tools; and 16 RedNet AM2 Stereo Audio Monitoring Units. Together, these RedNet devices, which were installed at the end of this summer in time for the 2016 fall semester, bring a new level of connectivity, performance and flexibility to the Center's professional audio infrastructure.

"I'm impressed with RedNet's ease of use and how it connects directly and easily with Dante," says Justin Graybill, Acoustical Engineer and Systems Designer with Clair Solutions. "It's the perfect solution for an advanced media-arts facility like this one."



PHOTO COURTESY OF THE RECORDING ACADEMY. ©2016.

THE RECORDING ACADEMY PRODUCERS & ENGINEERS WING recently presented Capitol Studios & Mastering with its prestigious Certificate of Appreciation acknowledging Capitol's dedication to excellence in sound quality and the art and craft of recording for more than 60 years. The presentation was part of a Hi-Res Symposium sponsored by DEG: The Digital Entertainment Group held at Capitol Studios' legendary Studio A. Show here at the Symposium are, from left: Maureen Droney, Managing Director, P&E Wing and Recording Technology; Arthur (Art) Kelm, Vice President, Technology, General Manager, Studios; Paula Salvatore, Vice President, Studios; and Patrick Kraus, SVP-Head of Studio, Production & Archive Services.

## Are you equipped for recording?

At Full Compass, being **Equipped** means getting the very best gear at the very best prices. Let us help you get equipped – visit our website at [fullcompass.com/recording](http://fullcompass.com/recording) or call **866-208-3488**.

**EQUIPPED**  
BY **FULL COMPASS**  
PRO AUDIO VIDEO LIGHTING  
MUSICAL INSTRUMENTS



## OWA Showcases HR4S Reference Monitors

**BOOTH 106** Ocean Way Audio (OWA) is displaying the acclaimed HiRes4S Studio Reference Monitor, also known as HR4S. Ocean Way Audio founder Allen Sides, a five-time GRAMMY Award-winning engineer, producer and studio owner/designer, is demonstrating the HR4S at Booth 106.

The HR4 and HR4S, released in March of 2016, are now in their second production run. Recording and mixing clients from studios in NYC, Japan, Europe, South America and even Russia have expressed amazement about the sonic clarity and ultra-wide 100x40 degree of dispersion profile. The speaker's one-inch HF driver, coupled with an eight-inch LF geometrically reinforced aluminum cone driver, delivers dramatic performance.

The HR4's two-way self-powered design delivers an unprecedented level of performance, allowing for flexibility of placement in the room with a matched uniform frequency response of 35 Hz to 25 kHz.



Ocean Way Audio's HR4S Studio Reference Monitor, also known as HiRes4S

## Radial Launches Studio Q System

**BOOTH 839** Radial Engineering Ltd. is introducing the Studio Q, a super compact, desktop talkback/cue system.

The Studio Q begins with a simple cue switch that turns on the built-in microphone or the "producer" mic XLR input. Each mic is equipped with an individual trim control along with a master mic volume. These can also be remotely activated using a remote JR1 mute footswitch. Once depressed, the signal is routed to the studio headphone system while it automatically shunts the program to the desired level. The program signal path is balanced for easy integration with any console with fully variable level control on the front panel. When the band is full-on, a remote output may be used to send a dry contact to a beacon and attract attention. This can also be set with DC power to accommodate a soon to be released LED beacon.



Radial Engineering's Studio Q desktop talkback/cue system



LAUTEN  
AUDIO

SERIES  
BLACK

WHERE PROFESSIONAL  
RECORDING BEGINS.



LA-320  
VACUUM TUBE  
CONDENSER MICROPHONE  
\$799



LA-220  
FET CONDENSER  
MICROPHONE  
\$399



LA-120  
SMALL PENCIL CONDENSER  
MICROPHONE PAIR  
\$549



AES BOOTH 1006

# SETTING STANDARDS



## 8 + 2 pole data & power XLR

Suitable for data & power: offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities | Superior ruggedness compared to RJ45 type connectors | All metal housing offers best overall RF protection and electromagnetic shielding | D-size housing provides installation compatibility with industry standard D mounting dimensions | Receptacle with duplex ground contact for excellent signal integrity

For more information visit [www.neutrik.com](http://www.neutrik.com)

**NEUTRIK®**

## Bose Ships New PowerShare Adaptable Amplifiers

**BOOTH 105** Bose is now shipping its new PowerShare adaptable power amplifier line, consisting of three 1U models: two- and four-channel fixed-install models (PS602 and PS604) and one two-channel portable amplifier (PS602P). Each model delivers 600 watts of power that can be shared across all output channels.



New Bose PowerShare amplifiers racked with accompanying ControlCenter zone controllers.

cessor in many installations, while outstanding audio performance and reliability are assured with patented technologies inherited from the field-proven PowerMatch line.

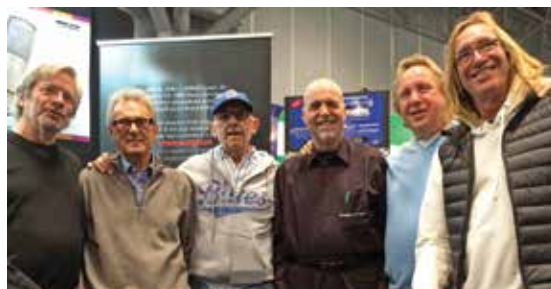
With support for both low- and high-impedance loads up to 100V, PowerShare amplifiers adapt to a wide range of applications. Onboard configurable loudspeaker processing and direct access to zone controllers eliminate the need for an additional signal pro-

cessor in many installations, while outstanding audio performance and reliability are assured with patented technologies inherited from the field-proven PowerMatch line. Patented PowerShare technology allows installers to use total amplifier power in the application. This enables more flexibility during the initial design, or later on-site when making unplanned changes that take advantage of surplus power.

## Acclaim Greets Sommer's New EMC-Quad Cable

**BOOTH 1127** Tested and certified by the Music Engineering and Technology Alliance (METAlliance), Sommer Cable's new EMC-Quad is drawing raves from the pro community. METAlliance co-founder Frank Filipetti comments, "A lot of people say there's no difference among cables, but this new Sommer cable just wipes everything else off the map."

Based on Sommer's widely recognized multicore line, the innovative German company has packed four wires into one jacket, which allows them to be connected in a crossover mode to reduce capacitive value. The wires are 100 percent shielded by a tight



(from left) METAlliance co-founders George Massenburg, Al Schmitt, Elliot Scheiner, Sommer Cable America CEO Martin Ucik, and METAlliance co-founders Ed Cherney and Chuck Ainlay

copper mesh and a semiconductor foil. EMC-Quad ensures absolutely neutral reproduction with excellent dynamics and is recommended for connecting microphones, preamps, power amplifiers, audiophile CD and SACD players, turntables, as well as all professional studio equipment.



Millennia's DA-296 Dante Gözowta digital to analog converter

## Millennia's DA-296 Dante Gözowta D/A Converter

**BOOTH 111** Millennia's Gözowta converts from Dante audio over Ethernet to high-resolution analog at sample rates up to 96 kHz.

The DA-296 connects any two channels of Dante to analog gear: power amps, stage monitor systems, powered speakers and more.

The Gözowta also has 1/4- and 1/8-inch headphone jacks with a level control so it can be used as part of a personal monitor system or for trouble shooting Dante audio streams.

Outputs include balanced XLR and Phoenix-style output connectors. Power is supplied by the Ethernet cable from PoE (power over Ethernet) enabled switches or in-line PoE injectors.

There is a -10dBV/+4dBu output reference level switch to accommodate most analog equipment.

Housed in a rugged 1/3 rack width chassis, the Gözowta is the same size as Millennia's portable preamp series. It can also be bolted to a Mid Atlantic rack tray.

## THE ULTIMATE AUDIO INTERFACES & INTEGRATED VINTAGE HARDWARE-BASED FX MODELS



**AES** LOS ANGELES CONVENTION CENTER | **BOOTH #321**  
SEPT 29 – OCT 1, 2016

**Antelope**

[www.AntelopeAudio.com](http://www.AntelopeAudio.com)





# JBL SESSIONS

**Up Close and Personal with 8 Industry Legends**

Join us to sample the sensational recordings of these masters through the unparalleled JBL M2 and 7 Series Master Reference Monitors.

## **Demo Room 504**

Thursday, September 29th, 10am - 6pm

Friday, September 30th, 10am - 6pm

Saturday, October 1st, 10am - 5pm

**L.A. Convention Center - Los Angeles California**

SEPT  
29

**Chuck Ainlay**  
10:30am

SEPT  
29

**Geoff Emerick**  
4:00pm

SEPT  
30

**Nathaniel Kunkel**  
10:30am

SEPT  
30

**Ed Cherney**  
1:00pm

SEPT  
30

**George Massenburg**  
3:00pm

OCT  
01

**Chris Lord Alge**  
10:30am

OCT  
01

**Special Guest**  
1:00pm

OCT  
01

**Frank Filipetti**  
4:00pm



**141<sup>ST</sup>**

**AUDIO ENGINEERING SOCIETY  
INTERNATIONAL CONVENTION**

## Genelec Features 8430A AoIP SAM Studio Monitor

**BOOTH 103/LISTENING ROOM 511A** Genelec is offering the 8430A SAM Studio Monitor enabling direct monitoring of audio-over-IP stream content—the first studio monitor on the market supporting AES67 and RAVENNA standards, according to the company. Based on RAVENNA technology for audio transport over IP networks, and fully AES67-compatible, the 8430 is the culmination of many years of intense research that included feedback from leading engineers and producers in the recording and broadcast sectors.

As a member in the Genelec Smart Active Monitoring (SAM) Series, the 8430 shares the electro-acoustic features such as Genelec MDE and DCW technologies, a flow-optimized reflex port, very low distortion, high SPL and wide bandwidth, uncolored response in a very compact enclosure—all this achieves the accurate sound reproduction. Also, as member of the SAM Series, the 8430 uses the highly intuitive Genelec Loudspeaker Manager (GLM 2.0) control network and software allowing adjustments of all aspects of monitor settings and full multi-loudspeaker system control. As a central part of GLM, Genelec AutoCal automatically ensures that every monitor on the network is aligned for level and timing, as well as being compensated for room response anomalies.



**Genelec's 8430A  
Audio-over-IP SAM  
Studio Monitor**

## Primacoustic Shows London 12 Paintables

**BOOTH 839** Primacoustic is featuring its London 12 Paintables room kits. These easy-to-use kits are the ultimate setup for personal studios. Everything you need to control primary reflections and excessive bass is included.

Designed to treat rooms up to 120 square feet, the new London 12 Paintables room kit features panels that are pre-painted Absolute White. Unique is the ability to lightly spray paint the panels without disturbing the acoustic properties.

Designed to address acoustical concerns that are common to all rooms, London kits help control primary reflections, flutter echo and excessive bass. Panels are mounted using Impalers that eliminate the use of wall-damaging glue. The London room kits include all the necessary hardware including wall anchors, screws and even a drill bit.



**Rendering of  
Primacoustic's London  
12 Paintables room  
kit, which helps control  
primary reflections,  
flutter echo and  
excessive bass.**



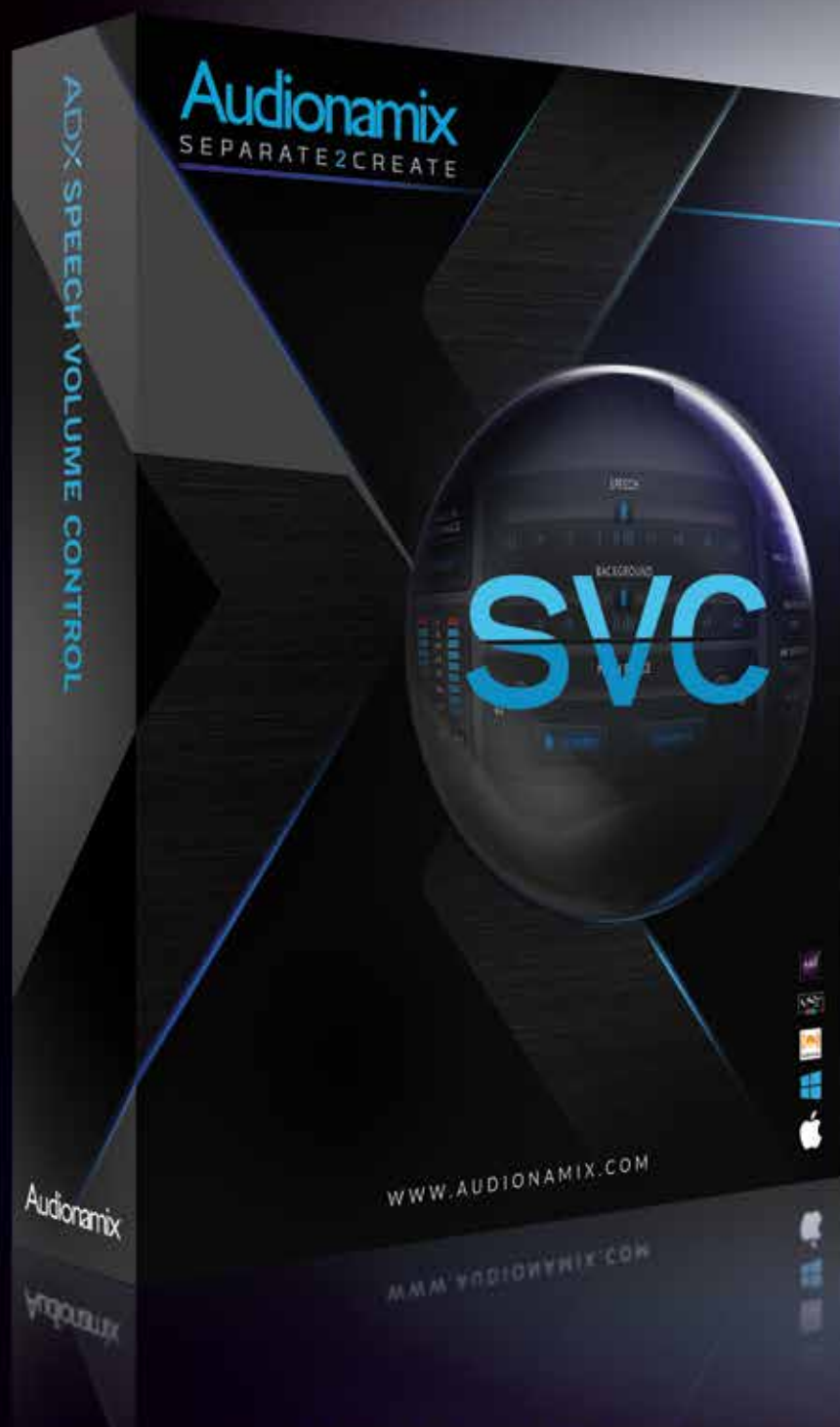
## GET CLOSER TO THE POWER OF LIVE

When it's your reputation on the line, choose mics that will provide the most consistently honest sound. DPA Microphones offers a wide range of specially-designed products for your close-miking or ambience-miking needs. No matter what you choose, you can be certain that there are no other mics that will deliver a live experience as powerful to your audience. Visit your local audio dealer to learn more about the range of options available.





**Audionamix**  
SEPARATE2CREATE



**IT WILL LEAVE YOU SPEECH-LESS...**  
COMING FALL 2016

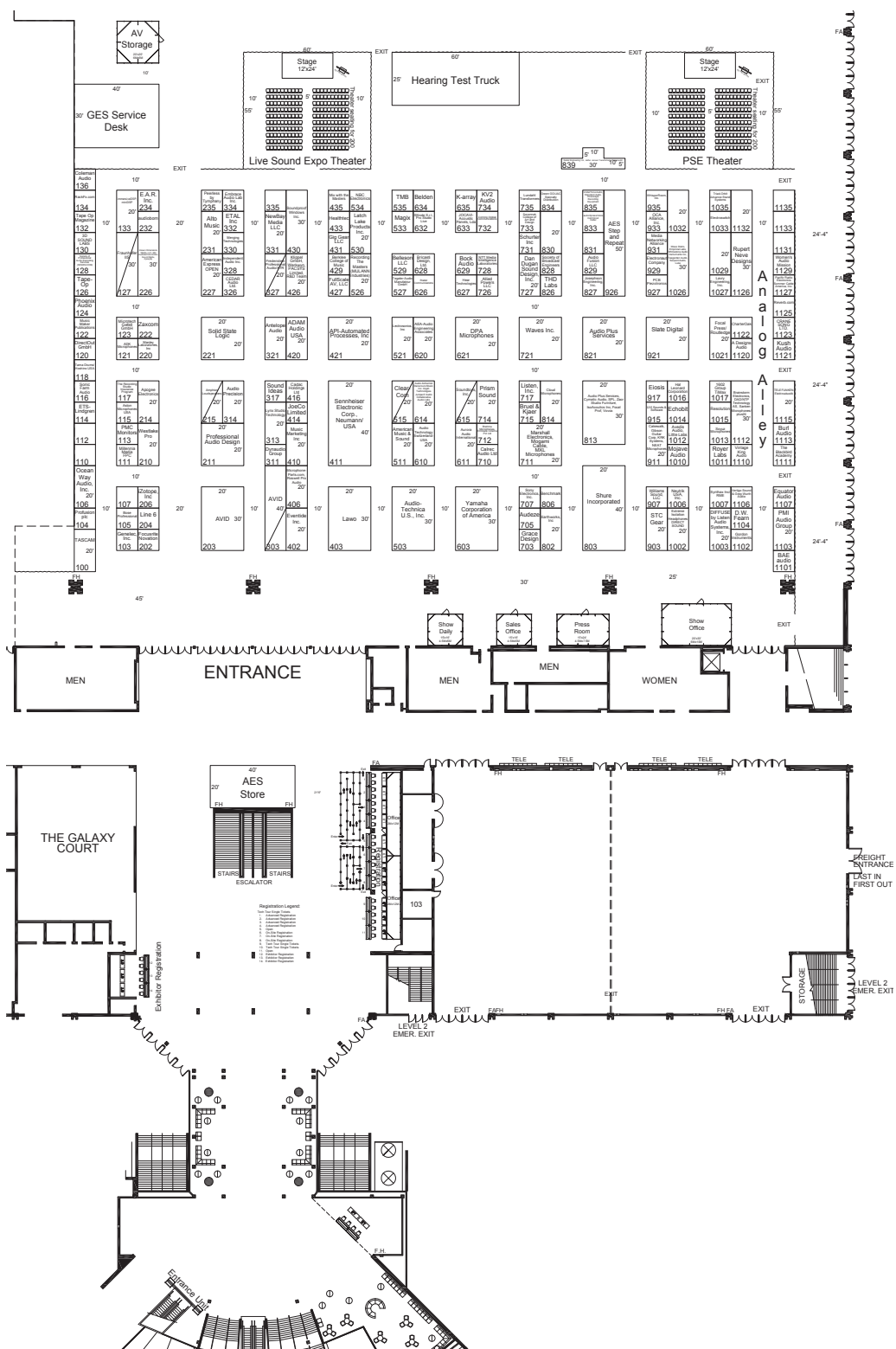
[WWW.AUDIONAMIX.COM](http://WWW.AUDIONAMIX.COM)

# exhibitor | listings

1602 Group TiMax	1017
3D SOUND LABS	130
A Designs Audio	1120
ADAM Audio USA	420
ADK Microphones	121
AEA - Audio Engineering Associates	620
AES	847,926
AfterMaster	Demo/TBD
AKG	Room 504
Alcons Audio	Room 511C
Allied Powers LLC	726
Alto Music	231
Amazon Lab126	112
American Express OPEN	227
American Music & Sound	511
Amphion Loudspeakers	215
AMS Neve	211
Antelope Audio	321
API - Automated Processes, Inc	421
Apogee Electronics	214
Aston Microphones USA	115
Astro Spatial Audio	Room 511C
Audeze	705
Audio Alchemist	614
Audio Fusion LLC	829
Audio Plus Services	813,821
Audio Precision	314
Audio Technology Switzerland SA	610
Audio-Technica U.S., Inc.	503
audioborn	232
Audionamix	203
audioXpress / Voice Coil / Circuit Cellar	833
Augspurger	211
Aurora Audio International	611
Avedis Audio	1012
AVID	203,303,Room 507
BAE audio	1101
Belden	634
Belleson LLC	529
Benchmark Media Systems, Inc.	806
Berklee College of Music	429
Big Bear Audio	1026
Blue Cat Audio	410
Bock Audio	629
Bose Professional	105
Brahma Microphones - Embrace Cinema Pvt Ltd	712
Brainstorm Electronics	1112
Bricasti Design, Ltd.	628
Brüel & Kjær	715
Burl Audio	1113
Cadac Holdings Ltd	416,Room 508
Cakewalk	911,Room 509B
Calrec Audio Ltd	710
CEDAR Audio Ltd.	326
Celemony	410
CharterOak	1122
Clear-Com	515
Cloud Microphones	814
Coleman Audio	136
Collaborative Audio Labs	614
Corning Optical Communications	732
CRANE SONG LTD.	1123
Cymatic Audio	813
D-Spatial	203
D.W. Fearn	1104
DAD/NTP Technology AS	1112
Dan Dugan Sound Design, Inc.	727
Dangerous Music, Inc	614
DIFFUSE by Listen Audio Systems, Inc.	1003
Digimoda	211
DIRECT SOUND	1002
DirectOut GmbH	120
Dolby Laboratories, Inc.	203
DPA Microphones	621
Dramatic Audio	211
Dynamount	530
Dynaudio Pro	311,Room 513
E.A.R. Inc.	234
Earthworks, Inc	802
Echobit	1014
Elios	917

141th AES convention | september 29-october 2, 2016

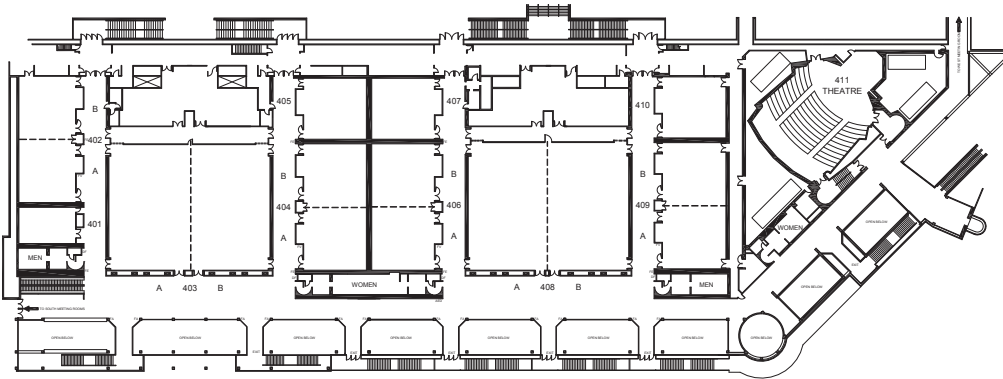
los angeles convention center, los angeles, ca



## demo rooms | 500 level



## demo rooms | 400 level



Electronaut Company  
Electroswitch  
Eleven Dimensions Media, LLC  
Embrace Audio Lab Inc.  
Empirical Labs  
Equator Audio  
ESI Audiotechnik GmbH  
ETAL Inc  
ETS-Lindgren  
Eventide Inc.  
Extreme Isolation Headphones  
FabFilter  
Fingerprint Audio  
FIX Audio Designs - From the Mind of Paul Wolff  
Focal Press/Routledge  
Focal Professional  
Focusrite Novation  
Fraunhofer IIS  
Fredenstein Professional Audio/ATR  
FullScale AV, LLC  
Genelec, Inc.  
GEOMISTLLC  
Gibson Pro Audio  
Gig Gear LLC  
Glyph Technologies  
Gordon Instruments  
Grace Design  
Great River Electronics  
Green GO/JAC Specialty Distribution  
Hafner  
Hal Leonard Corporation  
Harman International  
Healthtec  
Hear Technologies  
IHSE  
immersiveDSP  
IMSTA  
Independent Audio Inc.  
IsoAcoustics Inc  
iZ Technology Corporation  
iZotope, Inc  
JBL Professional  
Jensen Transformers  
JOCAVI - Acoustic Panels, Lda  
JoeCo Limited  
Josephson Engineering, Inc.

929 JumperZ Audio  
1033 Klippel GmbH  
226 KRK Systems  
334 Kush Audio  
1026 KV2 Audio  
1107 L-Acoustics  
226 Latch Lake Products Inc.  
332 Lauten  
114 Lavry Engineering, Inc.  
402 Lawo  
1002 Lectrosonics, Inc  
410 Line 6  
1126 Listen, Inc.  
921 Little Labs  
1021 Luke Audio  
813 Lundahl Transformers  
202,Room\_514 Lynx Studio Technology  
127 Magix  
327 Malvicino Design Group  
427 Manley Laboratories, Inc  
103,Room\_511A Marshall Electronics  
107 Media Networking Alliance  
911,Room\_509B Merging Technologies  
431 Microphone-Parts.com  
614 Microtech Gefell GmbH  
1102 Millennia Media FPC  
703 miniDSP  
827 Mix with the Masters  
834 Mogami Cable  
839 Mojave Audio  
1016 Moog Music Inc.  
Room\_504 Music Maker Publications  
110 Music Marketing Inc  
627 MXL Microphones  
203 NBC Electronics  
133 NEAT Microphones  
1029 Neumann/USA  
328 Neutrik USA, Inc.  
813 NewBay Media LLC  
1120 NTT Media Intelligence Laboratories  
206 NUGEN Audio  
Room\_504 OCA Alliance, Inc.  
839 Ocean Way Audio, Inc.  
633 Omnisonic International  
414 Overstayer Recording Equipment  
827 Pacific Radio Electronics

614  
426  
911,Room\_509B  
1121  
Room\_518,734  
Room\_506  
530  
813  
1027  
403  
521  
204  
717  
1012  
1026  
735  
313  
533  
106  
220  
711  
931  
930  
406  
123  
111  
133  
435  
711  
1010  
1126  
122  
410  
711  
534  
911,Room\_509B  
411,Room\_503  
1006  
331  
728  
203  
933  
106  
211  
835  
1127

PACSYS Limited  
PCB Piezotronics  
Peerless by Tympany  
Phoenix Audio  
PMC Monitors  
PMI Audio Group  
Primacoustic  
Prism Sound  
Pro Audio Distribution  
Pro Studio Live  
Professional Audio Design  
Profusion plc  
PSI AUDIO  
PSI Audio & Flux::  
R&D Team  
RackFX.com  
Radial Engineering Ltd.  
Recording the Masters  
Resolution  
Reverb.com  
Riedel  
Roswell Pro Audio  
Royer Labs  
RTW GmbH & Co KG  
Rupert Neve Designs  
Samar Audio Design, LLC  
Sanken Microphones/plus24  
Savannah College of Art and Design  
Schurter Inc  
sE Electronics  
Sennheiser Electronic Corp.  
Serpent Audio  
Shure Incorporated  
SKnote S.r.l.  
Slate Digital  
Society of Broadcast Engineers  
Society of Professional Audio Recording Services (SPARS.COM)  
Softube  
Solid State Logic  
Sommer Cable America, Inc.  
Sonarworks  
Sonic Farm Audio  
Sonnox Ltd.  
Sony Electronics, Inc.  
Sound Ideas  
Sound on Sound  
Sound Radix  
Soundproof Windows Inc.  
Soundtoys, Inc.  
Soyuz Microphones  
SPL  
Stage Tech  
Standard Audio  
STC Gear  
Synthax Inc / RME  
Tac System, Inc.  
Tama Drums / Hoshino USA  
Tape Op Magazine  
TASCAM  
Teegarden Audio  
Tegeler Audio Manufaktur GmbH  
TELEFUNKEN Elektroakustik  
THD Labs  
The Blackbird Academy  
The Conservatory of Recording Arts and Sciences  
The Recording Studio Insurance Program  
TMB  
Traktion Corporation  
Triad-Orbit Advance Stand Systems  
U-He Software  
UnderTone Audio  
UVI Sounds & Software  
Vertigo Sound & Greg Wurth Audio  
Vintage King Audio  
Vovox  
Warkwyn  
Wave Distro  
Waves Inc.  
Westlake Pro  
WhisperRoom, Inc.  
Whitestone Audio Instruments Company, LLC  
Wholegrain Digital Systems LLC  
Williams Sound, LLC  
Women's Audio Mission  
Yamaha Corporation of America  
Zaor Studio Furniture  
Zaxcom  
Zynaptiq, GmbH



## Mojave Audio Feature MA-50 Transformerless Mic

**BOOTH 1010** During AES, Mojave Audio is featuring the MA-50 Large-Diaphragm Transformerless Condenser Microphone. Designed to produce the clarity and realism for which Mojave microphones are widely recognized, the new MA-50 outperforms competing well-known transformerless microphones costing much more.

Mojave Audio's MA-50 is the ideal microphone for professionals and aspiring professionals alike. Utilizing the identical capsule as found in the company's acclaimed MA-200 and MA-201fet models, the MA-50 handles the fastest transients with ease—all the way up to



Mojave Audio's MA-50 large-diaphragm transformerless condenser microphone

140dB. The microphone's superior transient response and its ability to handle high SPLs make the MA-50 an extremely versatile model: one that is well suited to capturing vocal performances, voiceovers, acoustic instruments, Foley/ADR, as well as percussion instruments and use as drum overheads.

The new MA-50 utilizes a large-diaphragm, fixed-cardioid polar pattern design. The microphone incorporates a three-micron capsule, employs transformerless circuitry that results in an extremely low noise floor.

## Industry Sponsors Continue Support for P&E Wing

Harman Professional brands AKG, dbx, JBL Professional and Lexicon; Iron Mountain Incorporated Entertainment Services; and iZotope will continue supporting the Recording Academy Producers & Engineers Wing's initiatives and membership during 2016-2017. The announcement was made by Maureen Droney, The Recording Academy Managing Director, P&E Wing and Recording Technology, and further underscores the ongoing support and relationship of the P&E Wing with leading manufacturer partners in the professional audio market sector.

As official P&E Wing partners, these companies provide sponsorship of a wide variety of events and initiatives including the annual GRAMMY Week Celebration and regional Recording Academy Chapter professional development events, as well as serving as members of the P&E Wing Manufacturer's Council, a diverse array of audio-related companies that function as a creative think-tank to address industry issues, including technical best practices, new technology development, preservation of recording assets and creative rights.

## TASCAM Ups Ante on Portable Recording

**BOOTH 100** TASCAM is raising the bar for powerful portable recording solutions with the introduction of the DR-100mkIII Handheld Digital Stereo Recorder.

Designed to meet the demands of today's audio professionals, the newest generation of TASCAM's flagship Handheld Digital Stereo Recorder delivers crystal clear, ultra-high resolution recordings up to 192kHz/24-bit resolution, with a 109dB S/N ratio. Ultra-precise, temperature-compensated clocking and high-performance dual-mono AKM "Velvet Sound" converters combine with TASCAM's acclaimed HDDA microphone preamps to deliver the ultimate in pristine, transparent recordings. Coupled with support for SDXC cards up to 128GB, the DR-100mkIII is truly in a class by itself.

The DR-100mkIII delivers unparalleled performance, with dual stereo mics in both AB and omnidirectional patterns for maximum versatility, two XLR/combo jacks, switchable phantom power and a dedicated input level control for fast, tactile operation. Inno-

vative dual battery technology utilizes a built-in Li-ion rechargeable as well as AA batteries.

Built for real world use, the DR-100mkIII features TASCAM's exclusive Dual Recording Mode, which simultaneously captures a lower level safety track, to safeguard against unexpected source level spikes.

## Hafler Launches HA15 Headphone Amplifier

**BOOTH 839** Hafler (a division of Radial Engineering Ltd.) is addressing the wide adoption of headphones in the mainstream of music listening with the launch of the HA15 solid-state headphone amp.

The Hafler HA15 is a 100 percent discrete audio headphone amplifier that has plenty of drive to handle any headphone impedance. The discrete architecture assures minimal phase-degrading negative feedback for a more natural rendering. Both RCA and XLR connectors are offered for connectivity to hi-fi and professional recording systems. The front panel features

a traditional level control along with dual headphone outputs for sharing. A unique FOCUS control introduces a matrix that allows the user to simulate listening to speakers in a room. In other words, when listening to headphones you only hear the left program material in the left ear and the right material in the other. When listening to speakers, the bleed from the left is also heard on the right side. FOCUS mixes the left and right together and lets you decide how much of each you want in your ears. This adds excitement to certain mixes that simply do not translate well to headphones.



TASCAM's DR-100mkIII Handheld Digital Stereo Recorder



**AUDIO-TECHNICA, BOOTH 503** Audio-Technica's ATM230 Hypercardioid Dynamic Instrument Microphone is ideal for capturing drums and percussion. The mic's proprietary capsule is designed to excel in high SPL applications, delivering full, well-rounded audio with an exceptional low-end. The hypercardioid polar pattern reduces pickup of sounds

from the sides and rear, improving isolation of desired sound source—directionality that is aided by the mic's low-profile design, which allows it to be placed in a wide variety of setups. ATM230 is ideally suited for miking toms, snare and other percussion instruments.

## ETS-Lindgren Supports OTA Testing

**BOOTH 114** ETS-Lindgren's Anritsu MT8821C RF Tester has been selected by SGS as an approved test solution for 2G, 3G, 4G/LTE, 4G/LTE Carrier Aggregation and MIMO Over-the-Air (OTA) testing in the company's Branchburg, New Jersey location. As part of the selection, support for the MT8821C has been integrated into the CTIA-compliant ETS-Lindgren EMQuest EMQ-100 Antenna Measurement Software. Now available to user equipment (UE) developers and manufacturers, it is an accurate and flexible turnkey solution to characterize and validate designs in accordance with industry standards.

"We are very pleased to add the support for this tester into our EMQuest software," says Jari Vikstedt, Manager, Wireless Solutions, with ETS-Lindgren. "As experts in wireless test systems, our customers count on us to support the newest and most advanced test instrumentation available. They rely heavily on our expertise to provide them with a turnkey, world-class wireless test solution that includes the test chamber, and all associated software and hardware without any compromises. We have confirmed the quality of the MT8821C using our in-house test laboratory to verify its capability and functionality with our wireless test systems."

## TELEFUNKEN Elektroakustik

### TD-1 & TD-2 PASSIVE DIRECT BOXES

- OEP/Carnhill transformer, made in the UK
- -15 dB pad switch
- Ground lift switch
- Rugged aluminum construction
- Recessed switches and connectors
- 100% through-hole components
- Amphenol connectors
- WIMA and Nichicon capacitors
- 1% 1/4W metal film resistors
- 1-year warranty

WWW.T-FUNK.COM  
860-882-5919



## Synthax Spotlights New AD/DA Converter

**BOOTH 1007** Throughout AES, Synthax is featuring the ADI-2 Pro high-end AD/DA converter, which is ideal both for mastering and measurement applications, plus hi-res audio playback. The ADI-2 Pro includes two servo-balanced analog inputs on combo XLR/ TRS jacks, two separate balanced and unbalanced outputs on XLR and TRS connectors, two stereo “Extreme

Power” headphone outputs on the front, an optical SPDIF I/O that also recognizes ADAT format, plus coaxial SPDIF (RCA) and AES I/O (XLR) via an included breakout cable.

The ADI-2 Pro’s USB 2.0 port is fully Class Compliant (UAC 2) for connection with compatible iOS devices and is also used for firmware updates. With the included external



Synthax's ADI-2 Pro high-end AD/DA converter

switched power supply with lockable connector, the ADI-2 Pro can be easily powered via battery, opening up mobile applications.

The ADI-2 Pro excels at high-end AD/DA conversion. Utilizing SteadyClock III, RME’s unique jitter suppression technology that guarantees perfect sound quality, the unit supports sampling frequencies of up to 768 kHz. Equally notable, the ADI-2 Pro provides exceptional parametric EQ. The converter provides individual 5-band parametric EQ per channel and Low Cut on all analog I/Os for efficient frequency correction of headphones and speakers.

## Great Studios of the World Choose Ocean Way Audio HR4S Monitors



“Precision Sound Studios was founded with the objective to provide high end professional recording, mixing, and mastering services in a warm and personal environment. The HR4S delivers razor sharp transient detail, high power handling without any audible compression artifacts, and very accurate and deep bass extension along with an incredibly precise imaging of the soundstage. I can now hear and manipulate very subtle but important elements of a recording that no other monitoring system has made possible before. The speed and ease of my work has increased and my clients are happier than ever.”

Alex Sterling, Owner and Engineer/Producer  
Precision Sound Studios, NYC

*Shown with optional S12A 12" sub-bass*



OCEAN WAY AUDIO

[oceanwayaudio.com](http://oceanwayaudio.com)

## Astro Spatial, Masque Sound Ink Dealership Agreement

**ROOM 511C** Astro Spatial Audio (ASA) has reached agreement with East Rutherford, NJ-based Masque Sound as the company’s first authorized U.S. dealer. The agreement, inked in partnership with HoughtonLloyd, ASA’s exclusive North American distributor, gives the company a solid footing for quality sales and support services. Masque Sound is one of the nation’s most successful theatrical sound reinforcement, installation and design companies.

The Astro Spatial Audio 3D audio system is being demonstrated at AES in Room 511C. At a recent showcase, architect and noted acoustician John Storyk, founding partner of the Walters-Storyk Design Group—an internationally acclaimed acoustic consultation and design firm—auditioned the Astro Spatial Audio 3D system. “My initial impression of the system and its technology was that it is very impressive,” Storyk says. “What I particularly liked was that it is a system offering a family of tools and technologies that can work for live and curated performances as well as serve as an architectural-acoustic adjustable immersive system, allowing for environments to be electronically altered. This is a powerful tool for designers. I particularly enjoyed that it is speaker agnostic.”



EUROPE'S ULTIMATE PRO AUDIO GEAR EXHIBITION AND TECHNICAL SUMMIT

# AES

## Berlin 2017

Maritim Hotel, Berlin, Germany

EXHIBITION: MAY 20 – 22, 2017

PROGRAM: May 20–23, 2017

**The Latest Hardware & Software  
Network with Audio's Best  
Workshops - Panels - Tutorials  
Professional Sound Expo  
Tech Tours & Special Events**

**Now Online:**

**Call for Papers and  
Engineering Briefs**

**Exhibitor and Sponsor information**

**Visit: [www.aeseurope.com](http://www.aeseurope.com)**



#AESBerlin

**If It's About *AUDIO*, It's At *AES*!**  
**[www.aeseurope.com](http://www.aeseurope.com)**



Facebook.com/AESorg

For exhibition and sponsorship opportunities contact Graham Kirk: [graham.kirk@aes.org](mailto:graham.kirk@aes.org)



## Dynaudio Spotlights MSP Evidence Mastering Speakers

**BOOTH 313** Dynaudio is releasing its new far-field M5P Evidence monitor for professional audio mastering. The M5P has a five-way crossover design, four woofers (seven-inch), two midrange speakers (five-inch) and two Esotar2 Tweeters (1.1-inch) and delivers a frequency response from 20 Hz to 25 kHz. Dynaudio is holding demos of the M5P Evidence speakers in a dedicated, off-floor listening (#513), and all attendees are invited to visit.

“The M5P Evidence monitor is a passive floor-standing studio monitor specifically designed for mastering applications,” says Dynaudio PRO Product Manager Sebastian Rodens. “It has been derived from the acclaimed Evidence Platinum High-End speaker and is the first studio monitor to feature Dynaudio Directivity Control (DDC) which reduces reflections from floors and ceilings for delivering the highest possible level of

transparency and details in reproduced audio to mastering engineers and other audio professionals. A speaker that allows you to hear what is really going on and that helps you to make those crucial decisions when tweaking the EQ or working with dynamics during a mastering session.”

The M5P Evidence will be built to custom order by hand in Denmark, only using the very best materials available.

## Four New Direct Boxes in Telefunken Launch

**BOOTH 1115** This year’s AES finds Telefunken Elektroakustik introducing four new direct boxes, including mono and dual models of both active FET and passive designs.

The Telefunken TDA-1 (mono) and TDA-2 (dual) are newly designed active FET direct boxes that employ discrete Class-A FET circuitry coupled with a high quality transformer that provides the perfect balance between clean, high headroom performance and warm, saturated tone.



Telefunken's new direct boxes

The Telefunken TD-1 (mono) and TD-2 (dual) are new passive direct box designs that combine premium quality components with a rugged construction to create a reliable DI with rich, warm tone.

In the heart of each new Telefunken direct box design are custom-wound output transformers by OEP/Carnhill, made in the U.K. The circuit boards feature gold plated traces for maximum conductivity and are hand-assembled exclusively with through-hole components providing a secure and reliable connection compared to common surface-mount technology.

The circuits are housed in an extremely durable extruded aluminum enclosure with recessed heavy-duty metal toggle switches to engage a -15 dB pad and ground lift. This rugged construction is virtually indestructible, able to easily withstand the wear and tear of gigging.

## Dan Dugan Releases V2.0 Control Panel for iPad

**BOOTH 727** Dan Dugan Sound Design is releasing version 2.0 of the Dugan Control Panel for iPad. This new app, now free from the Apple iTunes store, provides the same control functions as the Dugan Control Panel for Java, which is supplied with networkable Dugan automixers.



Version 2.0 of the Dugan Control Panel for iPad

The Dugan Control Panel for iPad works on any size iPad and controls any combination of the Dugan Models E, E-1, E-1A, E-2, E-3, M, N, Dugan-VN16 and Dugan-MY16. It can be paired with the Model K Control Surface. As with the supplied Dugan Control Panel for Java, the iPad app allows users to set up channels, name units and channels, assign groups, set weights, mute channels and manually override the automix.

If no Dugan units are on the network when the app is started, the app offers a demo mode that illustrates the controls available for different models.

## Focusrite Spotlights Red 8Pre Interface

**BOOTH 202/DEMO ROOM 514** Focusrite is featuring the Red 8Pre Interface, offering 64 inputs and 64 outputs (including 16 analog inputs and 18 analog outputs) and eight of Focusrite’s specially developed, digitally controlled mic preamps. The Red 8Pre includes two front-panel instrument inputs, dual Thunderbolt 2, dual Pro Tools | HD

DigiLink and Dante network audio connectivity with automatic routing.

The eight specially developed “Red Evolution” mic pre’s in the Red 8Pre represent the evolution of Focusrite’s premier mic-pre design for the needs of today’s recording environment. The preamps include Focusrite’s unique “Air” effect,

recreating the sound of the classic ISA range.

The Red 8Pre’s high-performance conversion system features what Focusrite calls “parallel path summing,” where two matched converters are run in parallel to increase the signal-to-noise ratio. This allows them to deliver full dynamic range at all signal levels.

THE RECORDING ACADEMY  
PRODUCERS & ENGINEERS WING®  
presents

GRAMMY SoundTables®

# LIFE IN THE **HOT** SEAT:

## Audio Production For Live Global Telecast Events

GRAMMY®, EMMY®, OSCAR®, Super Bowl, NFL, NBA, MLB, NASCAR®, live broadcasts that capture a global audience with myriad moving parts and zero margin for error. Going live with tens of millions of viewers hanging on every note and play, there are no second chances to get it right. Join members of the most experienced broadcast audio teams in the business as they pull back the curtain on the most technically advanced and logistically challenging audio productions on the planet.

Moderated by *Glenn Lorbecki*

Joined by *Leslie Ann Jones, Jeri Palumbo,  
Paul Sandweiss, Eric Schilling, and James Stoffo*

FRIDAY SEPTEMBER 30  
10:45AM - 12:15PM | ROOM 502AB  
LOS ANGELES CONVENTION CENTER | WEST HALL



© 2016 - The Recording Academy. All Rights Reserved.



## Waves Offers Waves Tune Real-Time Plug-In

**BOOTH 721** Waves Audio is releasing the Waves Tune Real-Time plug-in. It provides smooth, natural-sounding vocal pitch correction instantly and automatically. Designed for live performances as well as pre-production, tracking and mixing in the studio, its innovative pitch detection and correction technologies ensure that the tuned vocal retains the vocalist's natural vocal sound. Producers, engineers and performers can use the plug-in for subtle pitch correction, but also as a creative pitch quantization effect—all in real time.

Tune Real-Time can be easily programmed and customized to a singer's articulation. You can control the range, choose a scale, mark in advance specific



The graphic user interface for the Waves Tune Real-Time plug-in

notes to fix or avoid, control the plugin's sensitivity, and even tune a singer's vibrato while preserving its natural movement. If you don't know the scale, you can enter the notes using the virtual keyboard, or set the plugin to follow a melody played in advance or in real time via MIDI.

Waves Tune Real-Time is compatible with all Waves SoundGrid applications and eMotion mixers, and can work seamlessly with any live console via Waves MultiRack without the need for complex setups.

## Yamaha Adds Rack-Mount Model to TF Series

**BOOTH 603** Yamaha is introducing the TF-RACK, a powerful, compact rack-mount version of the company's TF Series digital mixing consoles. The TF-RACK offers all of the features found in TF Series desktop models released in 2015, and is intended for smaller or more portable venues, particularly when a proper mix position may not be available.

Aimed at new users and experienced professionals looking to work faster than ever, the TF Series brings time-saving

performance capabilities, such as fast, accurate gain setup, single step compression and EQ, and microphone specific presets to even the most modest sound reinforcement applications.

TF-RACK expands on these capabilities with a compact mixer that fits in a 3U rack space, providing the perfect solution for smaller live music venues, a working regional band, a portable house of worship, or in a meeting hall. The rack-mount edition carries the same core engine—Steinberg Nuendo Live recording software, apps for mixing and expansion capabilities—as each of the other models.

In addition, the TF Series rack-mount mixer ships with firmware version 3.0 that adds full fader views on its touch screen, the ability to add an administrator password and many other enhancements.



Yamaha's TF-RACK

## Neutrik powerCON TRUE1 Adoption Accelerating

**BOOTH 1006** Neutrik's latest powerCON offering—powerCON TRUE1—continues to gain traction in the live audio/AV market. Compared to powerCON 20 A (blue and gray powerCON), which Neutrik developed and brought to market two decades ago, powerCON TRUE1 is distinguished by its ability to make/break connections under live load; IP65 weather resistance (in the mated condition); input/output gender intermateability (allowing for direct mating of cables without the need for couplers); a duplex input/output chassis connector for daisy chaining applications; and a wide variety of protection covers.

As with all powerCON connectors, including the powerCON 20 A and 32 A lines, powerCON TRUE1 employs Neutrik's highly reliable twist locking system to prevent inadvertent disconnection. Additionally, powerCON TRUE1's IEC 60320 breaking capacity provides exceptional safety.

A 20 Amp, 250 Volt, single-phase AC power solution, powerCON TRUE1 can be found on power amplifiers, powered loudspeakers, digital snakes and stage boxes, LED walls, moving-head lights and other technologies of modern live event production.

The powerCON TRUE1 rugged, locking solution is ideal for providing safe, mechanically stable single-phase AC power connections that will not inadvertently disconnect.



Neutrik's powerCON TRUE1 connector

## Hal Leonard Offers Blackbird Academy Video Tutorials

**BOOTH 1016** Hal Leonard is presenting new video courses of The Blackbird Academy Foundation Series, exclusively available at Groove3.com. Each video in the series, led by Kevin Becka, Co-Director/Instructor at



The Blackbird Academy, is designed to explain the fundamentals of audio production and sound reproduction that must be mastered to create professional sound.

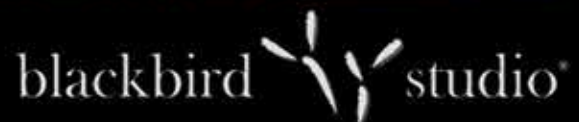
An experienced musician and recording engineer, Becka designed the course for anyone aspiring to learn about audio engineering and sound production, whether they are working in a home studio or in a professional environment: musicians, composers, producers, songwriters, remixers, audiobook creators, voiceover artists, and singers who wish to gain more professional results when recording, overdubbing and mixing their production.

The Blackbird Academy Foundation Series will teach operational skills and understanding of basic to advanced recording concepts including signal flow, critical listening, using a DAW, console basics and operation, microphone choices and advanced placements, plug-ins and analog processors, understanding digital conversion, developing skills such as mixing, editing, processing and more.

# GO RECORD AT BLACKBIRD STUDIO now with an 80 input x 80 output **BURL AUDIO B80 MOTHERSHIP**



**Get it right the first time.**



[www.burlaudio.com](http://www.burlaudio.com)

[www.blackbirdstudio.com](http://www.blackbirdstudio.com)



## DJ Dojah Ups His Game with Bose L1 System

**BOOTH 105** DJ Dojah's name might turn up as often in the Wall Street Journal or the Economist as it does on The DJ List or Salacious Sound. The self-described "soldier of sound, warrior of wax, sampler of the lost and found" got his musical footing in San Francisco and has managed to become a favorite of Silicon Valley's nightlife. And each show is performed using the L1 Model II portable line array system from Bose Professional.

"It's such a great-sounding system," Doj says of his L1 Model II, one of several L1 systems he's used since he was enthralled by an in-store Bose demo at the San Francisco Guitar Center store, back in 2006. "And it also looks great. I get comments on it all the time because it's just so sleek, which really plays well out here, and especially at the really intimate events for fifty or so people, where it blends in seamlessly. And I also like it because I can load my entire sound system into any vehicle!"

DJ Dojah, performing using the L1 Model II portable line array system from Bose Professional.



PHOTO: AGENCY MOANLANI JEFFREY, ©2016

## Maroon 5 FOH Engineer Goes With A-Designs Gear

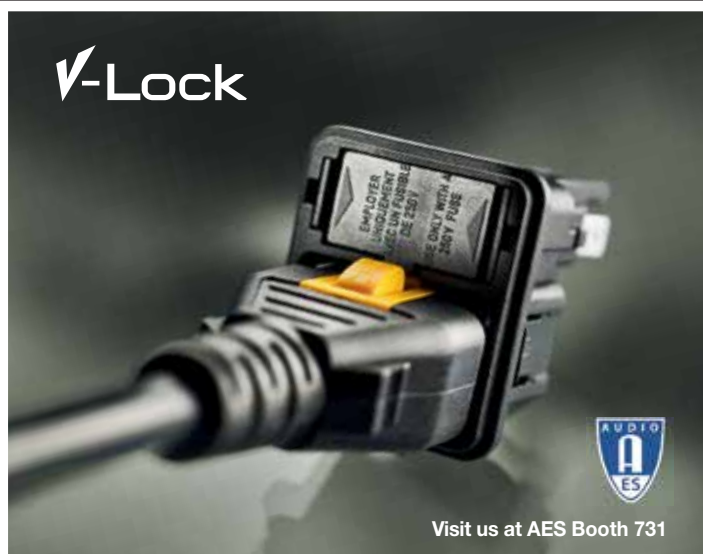
**BOOTH 1120** For the past eight years the challenge of bringing Maroon 5's world-class-studio sparkle and sheen to the live stage has been trusted to veteran FOH engineer Jim Ebdon.

Ebdon is a fan of high-end concert production technologies, but his ear is equally discerning when it comes to the smallest, most utilitarian tools as well. Recently, the engineer has been carrying several products from A-Designs Audio, including a KGB-1tf instrument preamplifier, and been delighted with the results.

"I'm now using the KGB-1tf on acoustic guitar, which features quite a lot during our show," he reports. "Previously, it was just sort of a bland acoustic guitar tone, but the KGB completely opened up the sound. Even running the EQ on it flat, it just suddenly became three-dimensional-the guitar sounds huge and open with a gorgeous, warm texture."



Maroon 5 FOH Engineer Jim Ebdon with A-Designs' KGB-1tf on a recent South American tour stop



### Locking power connectors and cord sets

SCHURTER's V-Lock cord retaining system is an easy, safe and cost effective power entry module solution for audio equipment.

- Wide range of international plugs
- Hundreds of V-Lock compatible inlets, outlets and power entry modules with or without filters
- Ideal for audio equipment where cord retention is required or necessary
- cUL and ENEC approved

\*Product shown: KEA power entry module with integrated 2-pole circuit protection

audio.schurter.com

**SCHURTER**  
ELECTRONIC COMPONENTS

## Genelec 1234 SAM: Power, Accuracy, Intelligence

**BOOTH 103/LISTENING ROOM 511A** Genelec is displaying its 1234 Smart Active Monitoring (SAM) System. Designed to achieve accurate and powerful sound reproduction in demanding recording and mixing environments, the 1234 SAM System provides excellent, well-controlled directivity and neutral sound reproduction. Supplied complete with a RAM XL (Remote Amplifier Module), this innovative solution represents the best in modern, high performance, large-main monitoring systems.

The Genelec 1234 SAM System packs cutting-edge specification and intelligent technology into a powerful main monitoring solution. All electronics, amplifier circuitry, drivers and enclosures are designed,

assembled, tested and individually calibrated at the Genelec factory in Finland. The 1234 SAM System has a system frequency response from 29 Hz to 21 kHz and is capable of delivering 125 dB SPL at one meter through a combination of efficient Class D amplifiers providing 2x 750 W, 400 W and 250 W of short term power for the woofers, midrange and tweeter channels, respectively.



Genelec's 1234 SAM System



## Hafler Shows CI Series Amplifier Range

**BOOTH 839** Hafler (a division of Radial Engineering Ltd.) is launching the Hafler CI series, a new range of multi-channel amplifiers.

The six-zone CI-6120, the eight-zone CI-855 and the 12-zone CI-1255 although similar, have slightly different features. Common features include a compact footprint that is only 3.5 inches high, 17 inches wide and nine inches deep, RCA inputs and an all-channel bus input for easy routing, class-AB circuit topology for the most demanding listening needs, near silent side-access fan cooling, rear-panel level controls and signal status LEDs, and easy to use detachable Euroblock (Phoenix style) speaker connectors for quick and secure termination.

The CI-6120 delivers 120 watts per channel to six zones and is equipped with RCA throughputs and balanced detachable Euroblock connectors for greater connectivity options. The CI-855 delivers 55 watts per channel to eight zones and channels seven and eight may be bridged mono to power a subwoofer with over 120 watts at eight ohms. The CI-1255 also delivers 55 watts per channel but this time to 12 zones and is equipped with the same bridge-mono functionality using channels 11 and 12.



Hafler's 12-zone CI-1255 multi-channel amp

## MXL Unveils DX-2 Instrument Mic

**BOOTH 711 (MARSHALL ELECTRONICS)** MXL Microphones is launching the new MXL DX-2 Variable Dynamic Instrument Microphone, the first mic to offer precise control of tone adjustment and pickup patterns between two different capsules in real time.

The MXL DX-2 is flat-faced for side address pickup and features a crossfade knob, allowing for blending between two distinctly different capsules with complimentary characteristics. The slotted semi-open back lets Capsule 1's large diaphragm super cardioid capsule pick up ambient, natural room tone, while Capsule 2's small diaphragm cardioid capsule offers complete rejection of monitor and stage noise.

# ENHANCE *your* RIBBONS



*Bring out the  
WARMTH & LUSH CHARACTER  
of your RIBBON MICROPHONE*



### THE NEW RPQ2 AND RPQ500 PREAMPS

- Power your mics with 81dB of sweet, quiet gain.
- Bring out the full clarity of your mics with high impedance circuitry.
- Use as a post-processing tool for your mixes and masters.
- Add air to your recordings with the HF CurveShaper™ EQ.
- Tame your low-end with the variable LF control.
- With a built-in power supply – bring your RPQ2 anywhere.

## Sanken Expands Chromatic Range With CU-51

**BOOTH 1112** In an expansion of its Chromatic range of professional studio microphones, Sanken is launching the new CU-51 cardioid condenser model. The entire collection can be seen at the new Sanken Chromatic website: [www.sankenchromatic.com](http://www.sankenchromatic.com)



Sanken's CU-51 dual-diaphragm microphone

The CU-51's unique dual-capsule design provides an exacting cardioid pattern ideal for vocals and a wide range of musical applications. The ability to withstand extremely high SPLs insures clean, distortion-free response when recording instruments with wide dynamics.

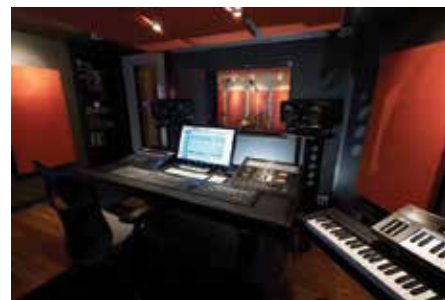
A special characteristic of the CU-51 is its ability to maintain uniform response in both on-axis and off-axis positions. It is common knowledge that varying the direction of a microphone will change the frequency response and tone. The CU-51 is primarily a music microphone, unique to Sanken, and addresses the general desire to limit the sonic changes in position to level only.

## The Facility Nashville Goes for ADAM

**BOOTH 420** When David Taylor opened The Facility Nashville he installed just one pair of speakers: ADAM Audio's award-winning A77X powered near field/mid field monitors.

Taylor did his due diligence before purchasing the A77Xs, researching the alternatives and reading reviews before auditioning a selection of monitors at Vintage King's Nashville location.

Over the years, Taylor has used various well-known brands and models of near field monitors. Although they offered excellent audio quality, he was never entirely convinced with their accuracy. "I feel the ADAMs are a lot more precise, especially when you're tracking a bunch of session guys doing five songs in a three-hour session," Taylor explains.



The Facility Nashville, where ADAM Audio's A77Xs nearfield/midfield monitors rule



**WOMEN'S AUDIO MISSION**  
CHANGING THE FACE OF SOUND



Training over 1,200 women & girls every year to be the next generation of music producers and recording engineers.

Booth 1129

[www.womensaudiomission.org](http://www.womensaudiomission.org)





*Learn Everything You Need to Know with*

# prosound<sup>news</sup>

**PRO SOUND NEWS** is the only news and business resource for the audio professional, covering the entire spectrum — recording, post, broadcast, live sound, and technology.

**PRO SOUND NEWS** is the brand that the audio industry turns to for the latest news and trends, as well as expert analysis to help determine what it all means.

**PRO SOUND NEWS** offers a vibrant, constantly updated web site and a free daily e-newsletter that is delivered directly to your e-mail, as well as print and digital versions of the magazine.

The print and digital editions of **PRO SOUND NEWS** are free to qualified subscribers. If you're not getting it delivered each month, visit [www.prosoundnetwork.com](http://www.prosoundnetwork.com) and keep in the know on all areas of the professional audio industry.

Visit [www.prosoundnetwork.com](http://www.prosoundnetwork.com) today to learn more and to subscribe to the magazine and the daily news.

**FOR INFORMATION ON ADVERTISING IN PRO SOUND NEWS, CONTACT:**

■ **ADAM GOLDSTEIN**, Phone: 212-378-0465, Email: [agoldstein@nbmedia.com](mailto:agoldstein@nbmedia.com)

■ **ED HECHT**, Phone: 917-281-4725, Email: [ehecht@nbmedia.com](mailto:ehecht@nbmedia.com)



**PRO SOUND NEWS** is published by **NewBay Media L.L.C.**  
28 East 28th Street, 12th Floor, New York, NY 10016 • T: (212) 378.0400 • [newbaymedia.com](http://newbaymedia.com)



## PSN Europe Hosts Genius! Live at AES

**ROOM 404AB** What defines the art of “genius”? *PSN Europe* offers one possible definition: it’s the moment when the clouds part, when the route to success is clear; the “lightbulb moment,” when everything you knew before has changed, and nothing will be the same again.

On Saturday, October 1, in Room 404AB, at 10.45 a.m., *PSN Europe* editor Dave Robinson is hosting the first Genius! Live workshop. Based on the tried-and-tested “*PSN Presents*” events in the U.K., the session will celebrate these unique moments of clarity with a number of leading names in the industry, each of whom you might just want to call a “genius.” What were they doing when the lightbulb moment arrived? And

what happened next? The panel includes: Pat Quilter, one of the founders of QSC Audio; Dave Gunness, the man behind Gunness Focusing, who has worked with EAW and PreSonus and now runs Fulcrum Acoustic; and Joe Bull, one of the original ‘SADiE’ DAW team, and now owner of JoeCo (and the BlackBox Recorder).

“It’s first time I’ve hosted an event at the prestigious U.S. AES Convention, so I’m very much looking forward to a return to Los Angeles,” says Robinson. “We’ll be talking about the whole notion of inventing, in pro audio and into the wider world. Please come along on Saturday morning to see what these very clever men have to tell us mere mortals.”

The event coincides with the publication of

*Genius!2*, the second special supplement from *PSN Europe* that celebrates innovations and inventors in the pro audio world. An extended distribution of the title will be available at the AES, and online shortly afterwards.



**GENELEC, DEMO ROOM 511A** Genelec is hosting a series of presentations featuring engineers/producers Josh Wilbur (left) and Jeff Balding (right) in their newly designed listening room featuring 8351 and 1234 monitors at AES Los Angeles.

## Augspurger Features Pensado Talk

**BOOTH 211** Dave Pensado, Grammy winning mix engineer and co-host of the popular *Pensado’s Place* web TV show, will be talking with Augspurger Monitors’ President and Designer Dave Malekpour about mixing hits using main monitors. Pensado has outfitted his new “Fab Factory” studio in North Hollywood with an Augspurger Solo 15 mains system with a pair 1 X 18 subs.

Pensado, who likes to mix on full-range main monitors, chose Augspurgers for their

power, accuracy and deep DSP-based tuning capabilities. Malekpour tuned Pensado’s system, and tuning will also be a talking point on Saturday.

Pensado will do an interview style discussion with Malekpour, along with a public meet and greet, at Augspurger (Booth 211) on Saturday from 1 to 2 p.m.

Pensado will explain why he prefers mixing on full-range mains, as opposed to smaller near field monitors.

## RTW Shows Upgraded CLC Software

**BOOTH 203 (AVID PAVILION)** RTW is highlighting its range of loudness metering and measurement solutions, in particular its newly upgraded Continuous Loudness Control (CLC) software Version 2.0.

With the release of version 2.0, RTW’s CLC further improves the quality of loudness processing with various enhancements of its superior processing algorithm. The feature set of the software is also strengthened with a number of new options, including batch processing of audio files, extended audio format, a new expert mode, Mmax and Smax limiting, report functions, and optimized presets for streaming audio and support for the latest updates of loudness standards.

Along with the CLC’s optimized presets that are sufficient for the majority of users, custom presets are still available. Running within a DAW or as a standalone application, the CLC software is available for PC and Mac systems. Common plugin formats are supported, including AAX, VST2, VST3, RTAS and AU. The software is available to be purchased from RTW’s web-shop, which can be found at [www.rtw.com](http://www.rtw.com).



**RTW's CLC software Version 2.0**

# MIX<sup>®</sup>

PROFESSIONAL AUDIO AND MUSIC PRODUCTION

GAIN UNMATCHED ACCESS AT YOUR FINGERTIPS TO AUDIO'S  
BEST IN THE STUDIO, LIVE, OR ON THE DUB STAGE

## SPECIAL OFFER ALL ACCESS

SAVE OVER 50% ON SINGLE ISSUE PRICING

### SUBSCRIBE & SAVE TODAY

Single Copy Price	Subscription Price
-------------------	--------------------

12 issues \$83.88	12 issues \$35.99
-------------------	-------------------

## ALL ACCESS INCLUDES

PRINT + DIGITAL + iPad

**SUBSCRIBE NOW AT:**

[WWW.MYMIXMAG.COM/MXVIP1](http://WWW.MYMIXMAG.COM/MXVIP1)





**API, BOOTH 421** API is introducing the next addition to its lineup of Large Format Recording and Mixing Consoles with the AES Convention debut of the Legacy AXS Console. The new Legacy AXS continues API's commitment to an all-analog signal path with an expanded and powerful feature set. The console frames range from 32 to 80 channels, with each channel offering dual input capability and access to two API 200 Series module slots. The Legacy AXS needs little talking up—seeing is believing, the proof is in the pudding and all that—but API President Larry Droppa was having a riot at the company's booth yesterday touting the console's sundry virtues, including a return to the traditional 1.5-inch module width standard, which allows for the use of API 500 Series Equalizers on a per-channel basis.

## IHSE USA Showcases Integration With Avid S6

### BOOTH 203 (AVID PARTNERS PAVILION)

IHSE USA is showcasing the latest KVM network capabilities integrated into the Pro Tools | S6 audio control surface.

The S6 modular control surface now includes network KVM options to better integrate switching between multiple digital audio workstations. This interface is based on the IHSE KVM protocol. With networked KVM capabilities enabled, Avid S6 users can enjoy the benefits of integrated KVM control to take advantage of faster workflows and extended visual feedback during editing sessions. Through the S6 Master Module, the central hub of the S6 surface, users can configure the network KVM to allow easy mixing and control of multiple music and/or audio post projects created



Avid's Pro Tools | S6 With IHSE USA's Network KVM Solution

on different audio workstations simultaneously—all from a single control surface.

This new and innovative approach to advanced audio post and mixing offers users the ability to set up soft-key commands easily to operate different sources in a way that is completely transparent to the user.

## ADAM Audio Taps Esterson

### BOOTH 420

ADAM Audio is appointing Scott Esterson to the position of Western Regional Sales Manager. Based in the Los Angeles metropolitan area, Esterson will handle sales in the territory west of the Mississippi, interfacing with dealers and end users, demonstrating ADAM Audio's monitoring products and solutions for the professional audio, broadcast, production and systems integration marketplaces.

Scott Esterson



Immediately after finishing college, Esterson started doing live sound work on tour with George Benson. Since then, he has spent his career in the various market segments of the audio industry, including professional and project audio, broadcast, audio for video production and remote recording. He served as the Western Regional Sales Manager at Genelec for nine years. Prior to that, he was the Multi-channel Sales Manager at DTS, where he worked with manufacturers to implement the company's technology into a variety of operating systems. He also held previous positions at TASCAM and Lexicon.

## ShowNews



**MAYO SPREADS THE WORD ABOUT LATIN MUSIC** AES Past President Andres A. Mayo moderated one of the most exciting opening day panels at the 141st AES Convention in guiding a select group of multiple Grammy winning producers and engineers from the Latin music scene in a lively, informative discussion centered on their latest recordings. The panel session was further enhanced when it was opened up for questions and comments from attendees. The panel included, from left: Mayo, Carlos "El Loco" Bedoya, Gustavo Borner, Juan "Cana" San Martin, Martha de Francisco, Tweety González, Cesar Lamschtein and Rafa Sardina.





**DIRECT SOUND, BOOTH 1002**

Direct Sound is adding guitarist Ron 'Bumblefoot' Thal to its artist roster. Thal put a successful solo career on hold between 2006 to 2014 to tour with Guns n' Roses. Critically acclaimed for his signature sound and innovative approach to the instrument, Thal is an accomplished singer, songwriter, teacher, transcriber, engineer and producer. In addition to his successful solo career and touring/recording work with Guns n' Roses, Thal has also worked with Jessica Simpson, Lita Ford and Guthrie

Govan, to name a few. 'I've been hibernating in the studio remixing a 20-year-old album for re-release,' said Thal recently, 'and a key part of getting the sound right has been the Direct Sound EX-29's! The EX-29's tell your ears 'the truth!' They've been a great asset to nailing these mixes and making sure the listeners get the proper experience!'

## Colorful Makeover for Schurter MSM CS Series

**BOOTH 731** Schurter's MSM series offers an even more attractive metal switch, with brighter and richer colors illuminating from its ceramic surface. The first of its kind metal pushbutton switches, series MSM CS with momentary action, and MSM LA CS with latching action, are now offered with a rich green, red, or blue illumination as well as bright white. The highly aesthetic backlit surface appeals to pro audio and other high-end equipment designers.

Ceramic is a durable material, which is highly impervious to damage. Used as a switch actuator for the MSM CS and MSM LA CS, it is ideal for applying laser lettering or symbols, resistant to scratches, abrasives and chemicals. The ceramic actuator and stainless steel housing are also rated IK 07 impact resistant. The MSM CS has an ingress protection rating of IP65 from the front, or IP68 with protective cover. The MSM LA CS is rated IP64 from the front contact area. Two different sizes include mounting diameters of 19 mm and 22 mm. The multi-faced MSM switch series offers metal actuators in addition to ceramic. Metal actuators feature point and ring illumination.

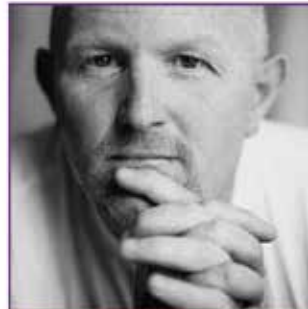
## Classifieds

### Career Marketplace

**Audio Precision, Inc. is hiring!**

**Sales Engineer, Southern California**  
**Senior Analog Engineer**  
**Audio Applications Engineer**

Audio Precision is the recognized world leader in high performance audio test and measurement instrumentation. Our audio analyzers include state of the art digital and analog signal generation and analysis capabilities, and are preferred by developers and manufacturers of audio devices and ICs working across the consumer, pro audio, automotive, commercial, broadcast, and telecommunications industries. Visit our website at <http://www.ap.com/careers/> and the AES Job Board for a full description of our job openings!



When the team depends upon it,

Will you make the big putt?

Our clients are based throughout the USA, Europe and Asia and are always looking to attract new business and engineering talent - Graduates, individual contributors and senior managers with relevant experience, who are looking to progress or develop their careers within the industry.

Sales and Business Development Specialist - Recording & Post-Production	USD 80-100k
Lead Acoustic System Engineer - Pro-Audio; USA Mid West	USD 130-140k+
Senior Power Amplifier Design Engineer, Pro-Audio - USA West	USD 100-120k
Marketing Business Delivery, Recording & Post-Production - USA, Los Angeles	USD 70-80k

Visit us at the AES Career Fair at 1.00pm Today to discuss your job seeking goals or search needs.

**interfacio**  
global media technology recruitment

Experienced industry professionals helping to develop careers and finding the right faces for the job.

web : [www.interfacio.com](http://www.interfacio.com)

email : [applications@interfacio.com](mailto:applications@interfacio.com)

telephone : Intl. +44 (0) 20 8986 5002 USA 1-800 578 0144

Facebook.com/page.interfacio or follow us @interfacio  
los angeles new york toronto london sydney singapore hong kong

**GENELEC**  
the sonic reference

Genelec is seeking a Western Regional Sales Manager with proven sales and technical aptitude and knowledge of acoustics. Position is based in Southern California. Send resume and cover letter to [genelec.usa@genelec.com](mailto:genelec.usa@genelec.com).

Audio Intervisual Design is actively seeking a **Senior Sales Person** to join our team. Candidates must be highly motivated with proven sales experience in Post Production, Broadcast, and Media Industries.

Submit Enquiries, Resumes, or CV to [datasnd23@gmail.com](mailto:datasnd23@gmail.com).

[prosoundnetwork.com](http://prosoundnetwork.com)

## Acoustical Products

**AcousticsFirst!**  
Materials to Control Sound & Eliminate Noise.™

Sonora® ArtDiffuser® BlockAid®

**888-765-2900**  
Toll-Free Number

MADE in USA

## **magic** | continued from page 1

time it was held in Los Angeles (2014), and is reportedly nearing the levels of the East Coast convention.

The AES, by its nature, always has its finger on the pulse of what's happening in pro audio, and a prime example is the co-located 2016 AES International Conference on Audio for Virtual and Augmented Reality. Offered for the first time, interest in the event was so strong that it sold out...twice. "VR is a hot topic, the industry rallied around it and it sold out," said

Moses. "We made a mad scramble and were able to accommodate another 50 people—and then that sold out, too."

Regardless of where your audio interests may lie, there's plenty of great things to do today at the convention. Dig into the free learning experiences at the Live Sound Expo and Project Studio Expo spaces, or check out cool special events in Room 502AB like "OK, You Did Not Get the Gig at the Studio. Where Are the Jobs?" at 9 a.m. and "The Great British Recording Studios" at 3:30 p.m. Whatever you do, make the most of your time at the biggest convention exclusively focused on pro audio in North America.

## **av, vr** | continued from page 1

manufacturer's expo, and is co-located within the West Hall of the Los Angeles Convention Center. In addition to technical paper and poster sessions, the event will also host presentations from key practitioners and industry leaders, demonstrations and panel discussions.

As was noted at a recent conference on VR, if anyone tells you that they are a Virtual Reality audio expert, run the other way. That said, a good number of audio professionals have been grappling with the platform since its earliest days and will be at this conference to share their valuable experiences.

VR has seemingly sprung out of nowhere, grabbing the attention of consumers and becoming the focus of mass media coverage. While its potential impact is great, offering applications far beyond games, movie spin-

offs or travelogues, it's still in its infancy and is far from reaching critical mass with the public. That presents plenty of opportunities to exchange ideas and experiences and attempt to resolve the various audio challenges of this dynamic and fast-developing medium at conferences such as this inaugural event.

The program, helmed by conference co-chairs Andres Mayo (past AES President) and Linda Gedemer, promises to provide an overview of the AR/VR creative process, applications workflow and product development, while creating an activity hub to focus attention on the Audio Engineering Society from these expanding creative communities. The underlying science of VR is many, many decades old, but in its latest commercialized iteration, the medium truly is the Wild West, and could greatly benefit from the guidance of a standards-making body such as the AES.

## **case** | continued from page 1

ago. With essential contributions of our active members (and that's you, right?) the Society keeps up."

As Case enters his new executive role, he focuses on two trends, which, as he explains, "began before my term, but hopefully [accelerate] in the coming years. First, AES is delivering more value for membership through year-round engagement. For some, AES 'The Society' is the same as AES 'The Convention.' That is a testament to the quality and scale and intensity of the conventions; here we are in L.A. doing it for the 141st time! But AES is so much more than the conventions. It



**Alex Case**

is the amalgamation of all folks interested in audio, showcasing their work, advancing their careers and teaching each other as we audio folks are always eager to know more. We've gone live with a new web site, which will continue to evolve with ever-rich content and experiences. I see AES as a 24/7 cult of audio: local sections, regional events and online experiences. Membership in AES isn't just about status or discounted registration fees at conventions. It's a continuous experience of all things audio."

Case also notes that he will continue the Society's intentional effort to diversify all emerging disciplines that fit under the AES umbrella. "Audio is part of so many technical and creative fields," offers Case. "So I am

the AES

DAILY

day | one edition

October 2016

Sue Horwitz, Gene Kinsella,

Debbie Rosenthal Advertising Sales

Zahra Majma Specialty Sales

Tom Kenny Editorial Director

David McGee Editor

Kieran McGee Pro from Dover

Clive Young Senior Editor

Strother Bullins, Steve Harvey

Contributing Editors

Fred Vega Production Manager

Nicole Cobban Senior Art Director

Walter Makarucha, Jr. Associate Art Director

John Staley Onsite Photographer

Elvis Patron Saint

Steve Palm President & CEO

Paul Mastronardi Chief Financial Officer

Adam Goldstein Executive VP, Group Publishing Director

Ed Hecht VP, Group Publisher

Tony Savona Director of Editorial,

Marketing and Creative Development

Published by NewBay Media L.L.C.

28 East 28th Street, New York, NY 10016

Tel: 212-378-0400

Email: [aesdaily@nbbmedia.com](mailto:aesdaily@nbbmedia.com)

Web: [www.newbaymedia.com](http://www.newbaymedia.com)

eager to continue to bring AES expertise to broadcast, games, virtual reality, etc., through papers, tutorials, conferences and more."

This diversity of audio-centric experts and the resulting content is what makes the AES arguably the most important source of aural science data worldwide. "I like the following pair of contrasts, paralleled throughout the convention," Case reasons. "We've got cutting-edge AV/AR content in the sold-out conference next to, say, Jim Anderson's Tutorial on Podcasting. [The latter] tutorial is delivered by one of the first generation of engineers and producers at National Public Radio in Washington D.C. You get to learn elements of mixing and storytelling...from a master who was doing this at the highest-level decades ago. We learn from the past; we embrace the future."





# Command Every Live Performance

Deliver amazing mixes with VENUE | S6L

Creating the most memorable live performances doesn't start and end on the stage. That's why top engineers are switching to VENUE | S6L. From its exceptional sound quality and high-count onboard studio plug-in support, to being able to record up to 128 Pro Tools® channels for future release possibilities, you gain the unprecedented power you need to satisfy both artists and audiences alike. Every time. Everywhere.



Bring the next stage in live sound to your performance: [avid.com/S6L](http://avid.com/S6L)



# AES | LA 2016

Visit Yamaha **Booth 603** to see our production, mixing, loudspeaker and networking products. Come chat with our technology experts, demo our products and get your product questions answered.

We'll have listening sessions for an assortment of Yamaha and NEXO loudspeakers in **Demo Room 512**. See our daily loudspeaker demo schedule below.

## **Nuage Advanced Production System and Steinberg's Nuendo 7.1**

Nuage software version 1.8 and Steinberg's Nuendo 7.1 VST MultiPanner provide an ideal environment for Dolby Atmos or any immersive surround production.

### **Digital Mixers**

Rivage PM10 Mixing System  
CL and QL with Version 4.0 Software  
The Compact TF Mixer and the new TF Rack

### **Loudspeakers**

Nexo: ID24 • GEO M6 • STM M28  
Yamaha: DSR • DXR • DBR • DXS

### **Network Interfaces**

Dante • SWP1 Network Switch  
• R-Series I/O Rack Units

## **Loudspeaker Demo Schedule**

*Times are for each day*

10:00am – Yamaha D-Series Powered Loudspeakers

12:00pm – Yamaha D-Series Powered Loudspeakers

12:30pm – NEXO STM M28, GEO M6 and ID Series Loudspeakers

2:00pm – Yamaha D-Series Powered Loudspeakers

2:30pm – NEXO STM M28, GEO M6 and ID Series Loudspeakers

4:00pm – Yamaha D-Series Powered Loudspeakers

4:30pm – NEXO STM M28, GEO M6 and ID Series Loudspeakers




**Yamaha Booth 603**

**Demo Room 512**

**NUAGE**

**NEXO**

 **steinberg**

 **YAMAHA**

 **commercial audio**

Yamaha Corporation of America • P.O. Box 6600, Buena Park, CA 90620-6600 • ©2016 Yamaha Corporation of America

[www.yamahaca.com](http://www.yamahaca.com)