

A Whole New NAMM

Product Hits and More! By George Petersen

From January 25 through 28, a record-setting 115,000 attendees made the annual pilgrimage to Anaheim, CA for the Winter NAMM show but this year's expo was a whole lot different than those of past years. First of all, and perhaps most noticeably, the exhibit space increased by some 20 percent, mostly due to the opening of the new, two-level Anaheim Convention Center North (ACC-N), which provided a home for a new wing dedicated to professional audio, lighting and event technologies.

Agreements with key partners within the production communities included A3E (Advanced Audio + Applications Exchange), Audinate (Dante Training and Certification); Music Education Days; GenNext (career development and the Nonprofit Institute from The NAMM Foundation); AES@NAMM (Pro Sound Symposium Live and Studio, curated by the Audio Engineering Society); NAMM U; TEC Tracks; and

event technology sessions curated by ESTA, The Pro Production Sessions (presented by FOH and PLSN magazines along with *Lighting & Sound America/PLASA*). This led to a whole lotta serious, pro-level content, which helped transform NAMM into a must-attend event for production pros.

From all accounts, the new exhibits and education format was an overwhelming success. NAMM's adoption of the TEC Awards a few years back, and the arrival of the Parnelli Awards ceremony this year, made for a good time for all.

Meanwhile on the exhibitor side, manufacturers liked the new ACC-N space, which provided a more quiet, well-lit space that attracted serious customers in a more serious, businesslike environment. Having some 2,000 exhibitors representing 7,000 (or so) brands, there was a lot to see and hear. So here are a few of the highlights that caught our attention.

The Big News: Speakers at NAMM

As usual, the emphasis on loudspeakers was on the "loud" part, but this show had plenty to see in terms of innovative new designs that fit nearly every sound reinforcement application.

Adamson Systems Engineering (first-time NAMM exhibitors) joined other manufacturers in offering line array training sessions as part of the inaugural AES@NAMM educational program. New from Adamson are additional point source models in the company's IS-Series. The new IS7p and IS10p are two-way, full-range line array cabinets that pack Adamson's tour-grade technology into compact packages with rugged, unobtrusive rigging solutions.

adamsonsystems.com

Bose Professional unveiled the S1 Pro, designed for musicians and general P.A. use. The 15-pound (13 x 9.5 x 11.2") unit is engineered for use in four positions — tilt-back, elevated, stand-mounted or on its side as a floor monitor. Built-in sensors detect positional changes and trigger Auto EQ that automatically recalibrates the system's internal settings for each different placement/application. Also standard is a three-channel mixer, with two XLR/TRS inputs, a wireless Bluetooth input and a rechargeable lithium-ion battery option.

pro.bose.com

Community Professional announced the IV6 Modular Vertical Array 600 system. The wide-dispersion 12-inch, 2-way IV6 is offered in 5- and 15- degree vertical coverage versions for use in scalable, adaptive applications. An optional single-18 inch subwoofer can be flown above or behind any array to provide additional LF punch.

communitypro.com

d&b audiotechnik was running non-stop demos of its Soundscape Technology, which is designed to deliver true audio reality and separation to every audience member, with mix elements —vocals, keys, drums, guitar - all are heard in their true location on the stage. The Soundscape core is the DS100 Signal Engine, a high-performance audio processor with Audinate Dante networking and a powerful 64x64 level and delay matrix with extensive in- and output processing — all under powerful software (d&b En-Scene object positioning and d&b En-Space room emulation) for the sound designer.

dbaudio.com

D.A.S. Audio expanded its Event series with the Event-212A line array and the Event-121A subwoofer. Now shipping, the Event-212A is a powered, 3-way, dual-12 design in a dual band configuration in 90- or 120-degree formats. DAScontrol interface — offering quick, hassle-free setup of the systems in arrays and easy alignment with the Event-218A and Event-121A subs. The latter is a direct radiating, rear-loaded, powered sub with a single 21-inch neodymium woofer. D.A.S. also previewed its new Altea speaker family and the Vantec 20A — an active 2-way, curved-source line array — and companion Vantec 118A powered subwoofer, both having integrated network control.

dasaudio.com

dB Technologies expanded its ViO series with the ViO L208, a 2-way active line array with dual 8-inch neodymium woofers and a 1.4-inch neodymium compression driver, all behind a waveguide that creates a cylindrical wavefront for greater HF throw. Each ViO L208 module is driven by a Class-D, Digipro G3 900W amp module with FIR filters. ViO series options include single-, dual- and triple-18 subwoofers.

dbtechnologies.com

Funktion One demoed its F124, a 24-inch horn-loaded subwoofer designed for applications where a 32-inch sub is bit too much and a 20-inch model isn't enough. Intended to offer a single enclosure, with mid-bass speed and impact combined with low-bass extension, the F124 is based on the technology of its top of the line F132 32-inch subwoofer and is designed to complement the company's Evolution systems and other Funktion-One mid-high speakers.

funktion-one.com

L-Acoustics — in its first NAMM outing — was honored at the TECnology Hall of Fame for its revolutionary 1992 V-DOSC, the first line array speaker. Meanwhile, in the ACC-North center the company provided non-stop demos of its LISA technology, which brings offers a sound that connects the audience intimately with the performers with the engineer having an entire ecosystem of tools to manage immersive sound environments.

l-acoustics.com

LD Systems officially launched its Maui P900 column array system (shipping begins in May), developed in collaboration with the Porsche Design Studio. It features a total of 50 drivers — 32 HF transducers, 16 mids and two woofers and employs a SonicGuide waveguide to produce a consistent plane wavefront that's phase and time aligned. Colors include white, grey and black.

ld-systems.com



Adamson IS7p and IS10p



Bose S1 Pro



Community IV6 Vertical Array 600 System



d&b DS100 signal engine



D.A.S. Event-212A line array element



dB Technologies ViO L208



Funktion One F124



L-Acoustics VDOSC paved the way to line arrays



LD Systems Maui P900 column array



Meyer Sound's VLFC element



Peavey Versarray Pro



Pioneer Pro Audio XY-3B

NAMMSHOW REPORT

Meyer Sound's VLFC (Very Low Frequency Control) element, the latest addition to the LEO line array family, is a self-powered, double-18 system that focuses energy into a narrow band between 13 Hz and 30 Hz — sensed by the human body as compression waves.

Also new is Meyer's Ashby Series of high-performance, self-powered ceiling speakers using its IntelligentDC technology. The two flush-mount models are the Ashby-5C with a 5-inch coaxial driver and the 8-inch coax Ashby-8C. Speakers connect to a MPS-488HP rack unit (up to 450 feet away) that supplies both balanced audio signal and 48V DC power for the amplifier.

meyersound.com

Peavey's new Dante-enabled Versarray Pro is a powered, fully articulating mid-sized line array system with ribbon drivers. A redundant audio input function lets users select analog, Dante (or Dante with analog backup), for reliable, uninterrupted performance. Standard features include: FlyQWIK hardware (for deploying the Versarray Pro in a fraction of the time of comparable systems); powered cabinets include network control for the advanced user; and quick push-button setup presets when time is of the essence. Network controls include FIR filters, 10-band PEQ, noise gate, limiter, auto-off, and all back-panel functions.

peavey.com

Pioneer Pro Audio was demoing its XY-3B all-neodymium, 3-way full-range speakers on the show floor and on a large stage outside the convention hall. The XY-3B has two 12-inch woofers in a hybrid, dual-chamber design. An 8-inch cone mid and a 1-inch HF compression driver sum into a molded bi-horn waveguide offering smooth, controlled 50 x 35 degree (HxV) dispersion. The 127-pound, 42.6 x 21 x 21.5-inch, trapezoidal birch ply enclosures are offered in black or white. Options include flying hardware and numerous subwoofer choices.

pioneerproaudio.com

QSC, founded in 1968, hosted a champagne toast celebrating the company's 50th anniversary. The company also launched the newest K Family member, the ultra-compact, KS112 powered sub, which joins the previously-introduced KS212C cardioid subwoofer. The KS112 features Class-D QSC amplification, advanced DSP and a single 12-inch driver in a sixth-order bandpass birch cabinet. Threaded M20 pole sockets are standard, along with rugged casters; a locking security cover and padded transport cover are optional. Street price is \$999 when it ships in late spring of 2018.

qsc.com

RCF expanded its popular HDL line array family with the HDL30-A. A compact, 2,200-watt bi-amped two-way cabinet, the HDL30-A features two neodymium 10-inch woofers coupled with an HF compression driver mounted on a time-coherent 100- x 15-degree 4PATH waveguide. The woofers offer response down to 50 Hz while achieving 137 dB SPLs. FIR-PHASE DSP technology plus RNet Control is standard.

On a smaller scale, RCF's NX series is designed as a stand-alone FOH system or as a satellite (with subwoofer), stage monitor or front/down/side-fill speaker — with TT+ series features, like rigging points and FIRPHASE technology. The 1,400-watt two-way, 15-inch NX 45-A has full DSP. The NX 32-A 12-inch, has 1,400 watts of amplifiers, full DSP and 90- by 60-degree dispersion.

rcf.it

SAE Audio's V2208P is a compact yet extremely powerful 2-way, dual-8 active line array system featuring European Class-D power modules and drivers. Options include a V1212P twin-12 powered LF unit, the double-18 V1218P subwoofer, custom rigging and flight cases, and black or white finishes.

saeaudio.com

Verity Audio's IWAC220P line array combines dual 10-inch mid/woofers with two 1-inch neodymium compression drivers in a system with fully independent DSP control of each section. Onboard Class-D powering offers 250W to the HF and 1,600 watts to the woofers. Various subwoofer options are available.

verityaudio.fr

Void Acoustics made its NAMM debut, showing its signature products (such as the three-way, sculpted Air Motion array) and the brand new Venu 210i, an 1,800-watt, dual-10 subwoofer that can power up to four mid/high enclosures with internal DSP. Custom colors are available.

voidacoustics.com

VUE Audiotechnik's hm-108A stage wedge packs advanced technologies into a compact, fidelity-first monitoring system. Also new is the h-8N, a narrow dispersion sibling to VUE's h-8, the most popular model in VUE's h-Class family. Both new speakers use the same 8-inch woofer and neodymium compression driver with Truextent beryllium diaphragm with onboard VUEDrive electronics and dual-channel Class-D powering.

Designed to complement VUE's al-12 line array, the al-12SB flyable dual-18 subwoofer delivers to below 35 Hz and can be flown or ground-stacked. Birch plywood coated in durable 12-step Dura-Coat LX finish completes the package.

vueaudio.com

Yamaha Commercial Audio was showing its enhanced DXS MkII series of compact, high-output powered subs, which feature optimized band-pass designs and 1,020 watts of Class-D amplification. The 15-inch DXS15 Mk II goes as low as 40 Hz and a max SPL of 135 dB; the 18-inch DXS18 Mk II goes down to 32 Hz; and the DXS12 Mk II takes LF out to 42 Hz.

yamahaproaudio.com

Yorkville Sound added the compact ES12P and EF10P powered speakers to its elite series. The ES12P is a 12-inch powered subwoofer; the EF10P is a full range, two-way 10-inch system with 600 onboard watts. The EF10P and EF12P can also pair with a free Bluetooth-enabled app for iOS and Android devices, that lets users wirelessly fine-tune EQ and limiter settings.

yorkville.com



QSC KS112



RCF HDL30-A



SAE V2208P and V1212P



Verity IWAC220P



Void Acoustics Air Motion



VUE h-8N and hm-108A



Yamaha DXS MkII



Yorkville EF10P



Allen & Heath M-Dante Interface Card



Ashly digiMIX18



Avid Waves SoundGrid HD option card



Bose T4S and T8S ToneMatch stereo mixers



PreSonus NSB 16.8



Soundcraft Vi2000



Waves STG-2412



Yamaha CL and QL consoles

Consoles at NAMM

Allen & Heath announced Dante Domain Manager support for its dLive and GLD digital mixing systems via the M-Dante audio networking card, further widening their use in install applications. All new Allen & Heath M-Dante cards will be supplied DDM-ready. Existing cards can be made DDM-ready by updating to V4 firmware, available from the Allen & Heath website. The M-Dante audio networking card can be fitted to any Allen & Heath dLive system or GLD mixer to provide a 64x64 Dante interface.

allen-heath.com

Ashly's new digiMIX18 digital mixer offers intuitive real-time mixing functionality that will appeal to pros and beginners alike, with real buttons and knobs, intelligent fader and meter bridge, a 7-inch touch screen interface and a free iPad app for remote control. Additional features include 18 inputs, 12 output buses, comprehensive EQ and dynamics processing, two effects engines, auto-mixing functionality, optional Dante digital connectivity and supplied rack-mounting hardware. Street price is \$899, when it ships this spring.

ashly.com

Avid's new Waves SoundGrid High Density (WSG-HD) option card and Avid VENUE software update for its Avid VENUE S6L live sound system deliver hardware and software integration with Waves SoundGrid systems. S6L provides seamless Avid Pro Tools integration and onboard AAX plug-ins. Engineers can now mix with the same Waves sound processors used on the artist's studio recordings to re-create their signature studio sound in live settings. This collaboration between Avid and Waves provides live sound engineers with extensive tactile and software control of plug-in parameters, a vastly simplified setup, system redundancy and greater creative flexibility.

avid.com

Bose Professional debuted the compact 8-channel T8S and 4-channel T4S ToneMatch stereo mixers. Features include intuitive operation with illuminated tactile controls, an easy-to-read display and scene recall. ToneMatch processing presets with the powerful and advanced DSP engine (including studio-quality effects and Bose zEQ equalization, which redefines low, mid and high ranges for each ToneMatch preset). When used with Bose L1 and F1 systems, the T8S provides full end-to-end tonal optimization. The T8S and T4S will be available late February 2018 with respective MSRP's of \$899 and \$599.

pro.bose.com

PreSonus unveiled NSB 16.8 and 8.8 AVB-networked stage boxes that deliver signals from stage to its StudioLive Series III mixer/recorders via Cat-5e or Cat-6 Ethernet cable. Users can remotely control the units' inputs, preamps and phantom power from a networked Series III console or using PreSonus free UC Surface touch-control software. The 16x8 NSB 16.8 offers 16 locking combo mic/line inputs equipped with PreSonus' remote-controlled, Class-A solid-state XMAX preamps, including gain compensation for shared input scenarios. The 8x8 NSB 8.8 offers eight of these mic/line inputs. Both models provide eight outputs with locking XLR jacks. A built-in two-port AVB switch lets you daisy-chain multiple units, or use the PreSonus SW5E AVB switch to support larger shows and installations. The stage boxes are slated to be available in the first quarter/early second quarter of 2018 with anticipated street prices of \$799.95 and \$599.95, respectively.

presonus.com

Soundcraft's free v6.4 software update enhances its Vi1000 and the Vi family of consoles, including the Vi2000, 3000, 5000 and 7000; as well as users of older Vi4 and Vi6 consoles that have been upgraded to Vi400/600 spec with a CPU upgrade kit. With this update, Vi-mixers now support Sennheiser Digital 6000 wireless mics in the VM2 microphone monitoring system. This lets users see battery, RF, audio level and Sennheiser's Link Quality Indicator for attached wireless mics, within the channel strip display. Other supported wireless systems include AKG DMS and WMS systems, and Shure ULXD, QLXD and Axient. A new Autocomplete patching feature allows any range of channels or buses to be sequentially patched or cleared in a single operation. Strip Lock lets any fader strip to be locked in place on the surface at the touch of a button, giving permanent access to important channels, VCAs or buses. Thus, a second operator can lock a temporarily assigned block of inputs or buses in place on the console's right-hand bay, while the main operator changes layers on the rest of the console. In addition, the console's user-defined fader page layouts can be stored and recalled with snapshot automation. Finally, the Direct Output Gain Stabilization System (D.O.G.S.S) feature on Soundcraft Si consoles becomes part of the Vi feature set.

soundcraft.com

Waves announces the STG-1608 and STG-2412 SoundGrid-compatible stageboxes. These come with I/Os of 16x8 and 24x12 and feature high-end digitally controlled preamps, AD/DA converters and easy SoundGrid connectivity for real-time plug-in processing and monitoring. The built-in SoundGrid card lets users quickly interface with the Waves eMotion LV1 live mixer or any other hardware or software in a SoundGrid network. Users can connect a single Ethernet cable to easily record, mix and monitor live or in the studio. Key STG features include XLR/TRS mic/line inputs; XLR line outputs; remote-controllable mic preamps; headphone output; switchable 48V phantom power; 96 kHz max sample rate; Word Clock I/O; AES digital I/O; MIDI I/O; and an etherCON SoundGrid network port for a secure connection.

waves.com

Yamaha's upcoming firmware Version 4.5 for the popular CL and QL series consoles will support the new Rio3224-D2 and Rio1608-D2 I/O racks and Audinate's Dante Domain Manager, which provides efficient Dante network management with user authentication and role-based security, allowing seamless Dante system expansion on just about any network infrastructure.

Also new is Yamaha's StageMix Version 7, the popular iPad App for CL and QL digital consoles, providing flexible, efficient wireless setup, control capabilities and monitor mixing. New in V.7 is a "Custom" meter area and more flexible fader area layout capability, as well as an expanded input-patching feature, including a multi-channel input patch function. Control and monitoring support has been added for Shure wireless receivers that are non-Dante compatible, including the AXT400, QLXD4, and ULXD4. V.7 is a free download from the iTunes store.

yamahaproaudio.com

More art.
Less noise.

dbaudio.com/moreart-lessnoise

Ditto.

dbaudio.com/moreart-lessnoise

d&b
audiotechnik

d&b
audiotechnik

NAMMSHOW REPORT

Mics, Mics, Mics!

Pro audio tradeshow often have a lot of new microphones. NAMM 2018 definitely did, but most were on the studio side of things, such as Neumann's reissue of the famed U67, due later this year. However, there were some interesting new models for sound reinforcement — you just had to scout around a bit to uncover them.

Audio-Technica finally added a handheld to its 6000 Series High Density Wireless System, and this ATW-T6002x model transmitter — and the new 3000 series handheld — is designed to accept interchangeable capsules. Six different A-T variations in the screw-on “universal” (meaning also compatible with Shure, Line 6 and Sony RF bodies) format heads are offered to fit those as well the new 6000-series and the new 3000 series handheld transmitters. The new A-T offerings include the ATW-C510 cardioid dynamic capsule (ATM510 equivalent); ATW-C710 (ATM710 type) cardioid dynamic; ATW-C4100 cardioid dynamic (AE4100 style); ATW-C6100 (AE6100) hypercardioid dynamic; ATW-C3300 (AE3300) cardioid condenser; and the ATW-C5400 (AE5400 equivalent) cardioid condenser head. Yeah!

audio-technica.com

Earthworks is starting to ship its flagship SV33 “studio” vocal microphone, but it could certainly work in a live, stand-mounted application, especially with its end-address design. Featuring hand-tuned circuitry paired with a 14mm capsule, the SV33 delivers high-end audio performance with the warmth of a large diaphragm capsule coupled with the stunning detail that Earthworks is known for. Pricing is \$2,399 — more than your typical \$99 model, but some artists can appreciate going first class. *Note: David Morgan puts an SV33 to the test in this issue on page 39.*

earthworksaudio.com

Ehrlund was showing its EHR-H, the company's first handheld mic made especially for live applications. The EHR-H, a cardioid condenser design, employs a triangular diaphragm and touts some impressive specs — a frequency response of 7 Hz to 87,000 Hz and an EIN said to be less than 9 dBA. We definitely will want to check this one out.

ehrlund.se

Heil Sound kicked off its PR 77D, a large-diaphragm cardioid dynamic microphone designed to provide focused directionality, full-range response and a vintage appearance for use in broadcast, recording, theater and onstage vocal applications. Its classic side-address design is based upon popular RCA mics from the '50s and '60s. The PR 77D is an updated version of the Heil PR 77. Features include a two-position switch allowing the selection of the best characteristics of voice or music. The voice position rolls the audio off at -6 dB per octave while the music selection removes the filter and the entire audio spectrum of 60 Hz to 16 kHz is present.

heilsound.com

MXL Microphones' POP LSM-9 is a brightly-colored dynamic vocal mic, designed to give on-stage performers an eye-catching handheld microphone that minimizes handling noise for a clean, clear performance. At launch, the POP LSM-9 will be offered in four bright colors: blue, magenta, yellow and green. The MXL POP LSM-9 features a supercardioid polar pattern and durable, all-metal construction.

mxlmics.com

Wireless World

The dust is beginning to settle on the FCC's frequency wars. It's not quite over — hence the phrase “beginning to settle” — so now the industry can get back to business. NAMM had plenty of action on the wireless front.

Audio-Technica introduced the fourth-gen of its 3000 Series frequency-agile, true diversity UHF wireless, which offers easy setup and versatile operation to operate within the congested UHF spectrum, with IR sync and a 60 MHz tuning range. As mentioned earlier, it also offers interchangeable mic capsule heads. A-T also debuted the third-gen of its 5000-series UHF wireless, which features a dual compander, a 148 MHz tuning range and the option of a standard receiver with two balanced XLR outputs (ATW-R5220) or a receiver that also includes a Dante output (ATW-R5220DAN). Also standard on the 5000 is an auto squelch function, interchangeable handheld capsules and software-enabled remote monitoring/control of the wireless system.

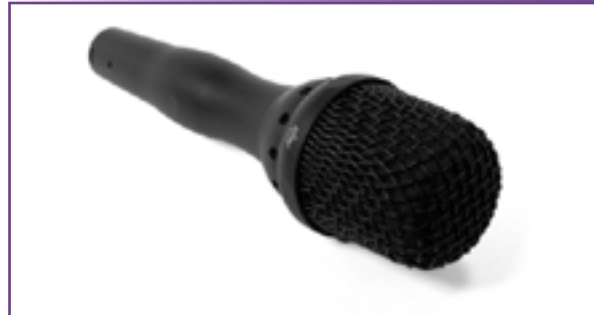
audio-technica.com



Audio-Technica mic capsules



Earthworks SV33



Ehrlund EHR-H



Heil PR 77D



MXL POP LSM-9



Audio-Technica 5000 Series



Beyerdynamic TG 1000 with Dante

Beyerdynamic was touting the TG 1000, its first 24-bit digital wireless system, which covers a 319 MHz range of the UHF bandwidth (470-789 MHz). The TG 1000 has a Dante interface for integrating into digital audio networks via standard IP networks and Ethernet cabling. It also supports the free TG Wireless Manager Mac/Win software for centrally monitoring and controlling wireless systems with a network interface. This enables the calculation of intermodulation-free frequency set-ups, including multi-channel setups to be created easily in the run up to an event.

beyerdynamic-usa.com

Sennheiser's big news was the launch of evolution wireless G4, offered in 100, IEM, 300 and 500 sub-series and providing higher RF output power for the 300 and 500 series, upgraded vocal sets, new multi-channel functionality for the 100 series (up to 12 wireless systems can now be daisy-chained), easy setup functions and more. The series will be available from April 2018.

Sennheiser also announced major upgrades to its Digital 6000 wireless system. A free firmware update enables a Command function that lets users set up a talkback channel with suitable transmitters. In addition, the EM 6000 Dante has been upgraded to now feature a secondary Dante port. The Digital 6000 was voted the “Indispensable Technology-Audio” winner at this year's Parnelli Awards ceremony, held during NAMM.

sennheiser.com

Shure was celebrating the arrival of the top-end ADX version of its Axient Digital Wireless System. Besides Quadversity and a High Density mode, ADX Series transmitters incorporate ShowLink, providing real-time control of all transmitter parameters with interference detection and avoidance. The ADX Series also includes the first micro-bodypack with an integrated self-tuning antenna. Axient Digital is compatible with Wireless Workbench as well as the ShurePlus Channels App, while Dante Cue and Dante Browse features enable high fidelity headphone monitoring of audio output from any Dante-enabled connected device.

shure.com

Production Essentials

Allen & Heath's ME-500 personal monitoring solution lets musicians independently build monitor mixes from 16 stereo or mono sources. It's plug+play compatible with Allen & Heath's digital mixer range and can be used with third party digital consoles via the ME-U hub. Outputs include 1/8" and 1/4" headphones and a mono out for wedge monitors. EtherCon connectors allow ME-500s to be daisy-chained, or deployed in a star topology using the ME-U or an off-the-shelf PoE switch.

allen-heath.com

K-array announced its new aluminum alloy Duetto universal fit earbuds with Kevlar cable. Duetto features 6mm neodymium transducers, and like a speaker's reflex port that resonates air based on the movement of the woofer, the earbuds are equipped with a micro hole to increase the transducer's efficiency at low frequencies. Impedance is 16 ohms; frequency response is given as 5 Hz to 23k Hz.

k-array.com

Luminex featured its GigaCore 10 switch, which has rugged front/rear Ethercon and (optional) fiber connectors that excel in truss-mounted applications with Ethernet enabled devices, such as moving lights, P.A. systems or general stage connectivity. A web-based, easy group function simplifies modifying groups, changing port settings or adding devices to the network, without having to reprogram the entire system.

luminex.be

Mackie unveiled its MP Series universal-fit in-ear monitor earpieces. The MP Series is available in three models, the single dynamic driver MP-120, dual dynamic driver MP-220 and dual hybrid driver MP-240. All feature ergonomically molded enclosures with three different types of ear tips included for maximum comfort. U.S. MSRP is \$139.99 for the MP-120, \$209.99 for the MP-220 and \$279.99 for the MP-240.

mackie.com

PreSonus unveiled the EarMix 16M. Designed to work with its StudioLive Series III mixers (yet compatible with other AVB-enabled systems), this 16x2 AVB-networked personal monitor mixer provides an expandable, monitoring solution for portable or installed sound and studio applications. Each EarMix 16M accepts 16 mono channels of input via AVB networking and multiple units can be networked with a StudioLive Series III mixer. Power is via an external supply or PoE. Shipping is Q1 2018; street price is \$399.

PreSonus' SW5E AVB switch supplies five ports for use in AVB-enabled digital audio networks. The SW5E can be used to network a StudioLive Series III console with PreSonus' new StudioLive Series III rack mixers in Stagebox mode or connect a StudioLive AI-series console and StudioLive RML-series rack mixer (again, as a stage box). The SW5E can also connect non-PreSonus AVB-enabled gear. Four of the ports can also supply power over Ethernet. Street price is \$399.

presonus.com

Whirlwind was showing samples of its ColourBond Printing, a custom UV printing process that adheres to everything from aluminum to plastic with high durability, allowing the company to color-code, label, print your logo or just plain freakify your next project. And maybe that is what NAMM is all about.

whirlwindusa.com

More to Come!

With hundreds of exhibitors, there was a lot more technology at NAMM than we can cover here, so look for additional product fun in future issues of *FRONT of HOUSE* and online at fohonline.com. Meanwhile, the expanded Winter NAMM returns to Anaheim next year from Jan. 24-27, 2019. See you there! 🎤



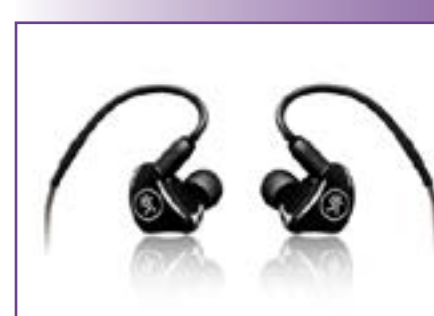
Sennheiser EW 135 G4-A



Allen & Heath ME 500



Luminex GigaCore 10



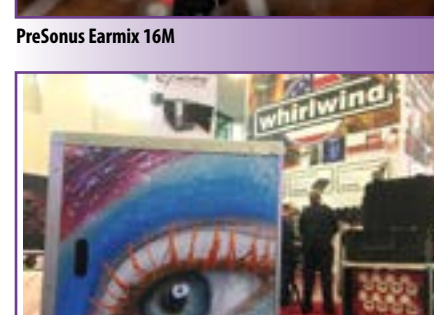
Mackie MP Series IEMs



PreSonus SW5E AVB switch



PreSonus Earmix 16M



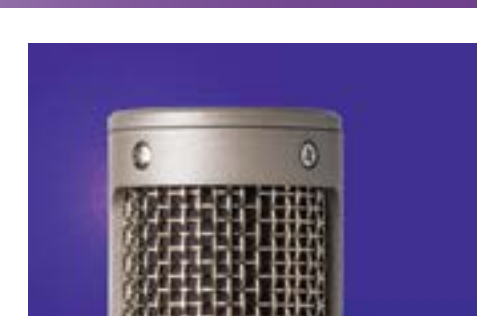
Whirlwind ColourBond printing



Shure Axient ADX transmitters



K-array Duetto



New H6 Headset. Small Microphone. Big Possibilities.

Impossibly small.

Impressively rugged.

COUNTRYMAN <http://www.countryman.com/H6>