

PROAUDIO

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L-Acoustics and d&b audiotechnik forge historic collaboration to propel professional audio industry forward



Hervé Guillaume
CEO L-Acoustics Group



Amnon Harman
CEO d&b Group



Industry-leading audio technology companies d&b audiotechnik and L-Acoustics have joined forces in a groundbreaking collaboration to advance technologies and tools for the benefit of the industry. The first result of this alliance is a project to jointly develop an innovative software platform, designed to revolutionize the configuration and management of Milan AVB networks.

In a remarkable departure from traditional competition, born from the companies' shared commitment within the Avnu Alliance, L-Acoustics and d&b audiotechnik are co-designing a new software platform that addresses some of the challenges which currently discourage widespread adoption of Milan AVB technology. The software will be a neutral and free-to-use solution that eliminates any branding affiliations to help further foster universal acceptance. This collaboration reflects the commitment of the two manufacturers to removing barriers

and paving the way for broader adoption of Milan AVB, the most stable and open networking technology.

Both companies believe in the high-performance reliability of Milan AVB to enhance the artist's art and the audience's emotion. This project is a testament to their combined dedication to advancing technological standards in professional live events. While d&b audiotechnik and L-Acoustics lead the initial development, the project actively encourages additional contributors, emphasizing inclusivity and collective industry advancement.

L-Acoustics and d&b audiotechnik are also collaborating with SoundPLAN on the key issue of noise impact, working to define an exchange format between professional audio manufacturers' software and environmental noise simulation software.

"Our two companies each have individual value propositions for our

customers, and we will continue to enjoy healthy competition. However, we are also excited to be cooperating on technical standards that will provide value to our industry," says Amnon Harman, CEO at d&b audiotechnik. "This new form of competition on one side and cooperation on the other side results in higher quality products, faster development times, and better functionality for all of our customers."

"This groundbreaking collaboration underscores our shared commitment to advancing technology that improves workflow and delivers a memorable experience that connects artist and audience, and a safe and comfortable experience for crew and neighbors," stated Hervé Guillaume, CEO at L-Acoustics Group. "Together, these projects will create benefit for the entire industry, reinforcing our collective strength."

dbaudio.com
l-acoustics.com

Strengthening audio excellence in India: DirectOut announce partnership with Advanced Telemedia



DirectOut, a renowned name in the audio industry, is pleased to announce its latest collaboration with Advanced Telemedia (ATM). This strategic partnership marks a significant milestone for both companies and underlines its continued commitment to providing world class audio solutions. DirectOut, is proud to welcome ATM as its exclusive distributor in India. Established in 2002, ATM has earned its position as a leader in the distribution of professional audio products, known for its dedicated customer service and nationwide presence. Headquartered in the vibrant capital city of New Delhi, ATM has regional offices in Mumbai and Kolkata, ensuring that its premium services reach every corner of India. Luca Giaroli, Chief Solutions Officer at DirectOut, is enthusiastic about the partnership, stating, "This collaboration is a win-win for both companies. ATM shares our commitment to delivering the best for our customers. We are confident that DirectOut's ASM will optimise production to international standards."

directout.eu

Sound Network LTD rebrands as DPA Microphones UK



DPA Microphones, a leading manufacturer of high-quality miking solutions, announces that its UK Division, Sound Network Ltd, has rebranded as DPA Microphones UK. While the name has evolved, the DPA Microphones UK team continues its commitment to offering the highest level of service, expertise and support to all users and DPA partners, as well as embodying the personality and company culture that's made the brand successful in this territory. DPA Microphones UK's mission is to continue to deliver exceptional audio solutions across the entire UK audio industry, as well as redirect more time and energy to open days, trade shows, educational training and product demos.

Following DPA Microphones' acquisition of Sound Network in 2017, this rebrand reflects a keen desire to focus all attention, activities and energy on the core brand, as well as align the UK team's identity with the global DPA organization. "With the official launch of DPA Microphones UK, we look forward to streamlined operations and presence throughout the region," says Kalle Hvidt Nielsen, CEO, DPA Microphones. "This enhanced operational collaboration between the UK and our headquarters in Denmark better positions the brand to manage new and existing customer

requests in this part of the world." The rebrand will also streamline internal processes and bring the UK operation more in line with other DPA territories in Europe. This includes shipping all orders directly from the production facility in Denmark, where all capsules are carefully hand-crafted on-site with the highest levels of accuracy, consistency and quality control. A more consistent delivery time for a wider range of products will be available for all those in the UK looking to get their hands on the latest DPA microphones.

"Rebranding as DPA Microphones UK is a natural progression, aligning us more closely with our colleagues within the global DPA team," says Sam Simon-Norris, VP Sales and Marketing, DPA Microphones UK. "We are extremely excited to enter 2024 with a renewed focus and drive for taking DPA to the next level within the UK. The change is not without a pang of sadness as we say goodbye to the Sound Network brand. We thank founders Pete Wandless and Ralph Dunlop for starting such a fantastic company, and all the employees past and present who have brought DPA Microphones to the position it is currently within the UK market."

dpamicrophones.com

www.avltimes.com/pro-audio

HARMAN Connect Day debuts in Malaysia



Systems Electronics & Engineering Sdn Bhd (SENE) together with Harman Professional Solutions, proudly announces the successful debut of "Harman Connect Day" in Kuala Lumpur, Malaysia.

Held for the first time in the country, the event showcased a comprehensive range of audio, video and lighting solutions, featuring a combination of brands including AKG, AMX, BSS, Crown, dbx, JBL, Lexicon, Martin and Soundcraft. The event served as a networking platform for industry professionals, bringing together end users, systems integrators, rental companies, dealers, and consultants who attended to explore the latest innovations in audio, video and lighting technology offered by Harman Professional Solutions.

Guests were treated to a series of product demonstrations across multiple Harman brands catering to a wide range of industries such as government, education, live entertainment, hospitality and houses of worship.

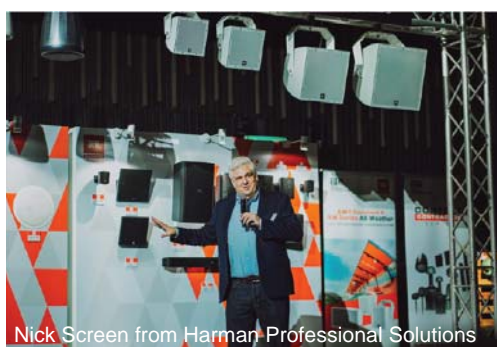
These demonstrations offered guests a chance to listen to a diverse range of audio solutions available on display, from the JBL Portable PA, Install and



Yohanes Wiguna from Harman Professional Solutions

"The enthusiastic response from the attendees was uplifting, providing us with a valuable platform to present Harman's latest solutions. It was also a great opportunity for us to engage with the market, gaining valuable insights into the needs of our clients in Malaysia." - Gary Goh, CEO, Electronics & Engineering Group of Companies

"Our Harman Connect Days are not only an opportunity for our customers to fully experience our outstanding products but also a platform for Harman to gain a better understanding of local market needs so that Harman can address them effectively" - Amar Subash, VP & GM, Asia Pacific and India, Harman Professional Solutions



Nick Screen from Harman Professional Solutions

Touring product portfolios. Some of the highlights were the newly launched JBL IRX ONE Column PA, new models of Control Contractor landscape speakers and the award winning JBL VTX A Series and SRX900 Line Array Speakers.

pro.harman.com
enepl.com.sg

Meyer Sound marks 45 years of innovation with a bold new logo and a reaffirmed investment in the future of sound



Helen Meyer and John Meyer

Meyer Sound, a pioneer in professional audio since its founding in 1979, celebrates 45 years of innovation with a new logo that underscores its commitment to the future of sound. This rebranding initiative highlights Meyer Sound's continuous dedication to pushing boundaries, advancing technologies, and shaping the industry for the next generation.

Meyer Sound has been a driving force in audio ever since John and Helen Meyer set up shop in Berkeley, CA four-and-a-half decades ago. From its inception, the company's mission has been clear: to create the best sonic experiences the world has ever heard.

Since then, Meyer Sound's trailblazing technologies, including trapezoidal loudspeaker cabinets, self-powered loudspeakers, processor-controlled loudspeaker systems, curvilinear arraying, and source-independent measurement systems, have become industry standards. The company's inventions have earned more than 100 patents and numerous prestigious awards, including TEC Awards, Parnelli Awards, and the R&D 100 Award.

"Scientific innovation, engineering excellence, an unwavering commitment



to quality, and constant evolution—this is our legacy, and our future," says Meyer Sound Senior Vice President John McMahon. "Our dedication to craft defines us, and we're excited to carry this spirit forward as we set our sights on developing integrated sound solutions on an even broader scale."

Accompanying Meyer Sound's 45th-anniversary celebration is a bold new logo that encapsulates the company's evolution and readiness for the future. The versatile new design features heavier wave and type forms, filling more of the space it occupies and exuding a stronger presence. It is a visual representation of Meyer Sound's commitment to staying at the forefront of an evolving industry landscape and maintaining a clear and bold identity.

meyersound.com

d&b appoints Marco Baumgärtner as new APAC Territory Manager



d&b audiotechnik has today announced the appointment of Marco Baumgärtner to the role of Territory Manager for the Asia-Pacific (APAC) region. Baumgärtner has been with d&b since 2017, and previously held the position of Director Corporate Development, based at the company's Head Office. Before joining d&b, Baumgärtner worked in a range of corporate and consulting roles, and brings his extensive experience in the areas of transaction advisory and strategy execution to the region.

In the role of Territory Manager APAC, a primary management role for d&b's future operations in the APAC region, Baumgärtner will take responsibility for the company's subsidiary in Singapore as Managing Director and oversee operations across Southeast Asia, South Korea, Australia, New Zealand, and Japan.

"We are delighted that Marco has moved into this important role. With his leadership skills and commercial experience, we know he will bring new perspectives and drive to APAC," commented Phill Coe, Vice President of Global Sales.

dbaudio.com

www.avlimes.com/pro-audio

HARMAN Professional Solutions EMEA appoints Bon Studio as new lighting distribution partners in Greece

HARMAN Professional Solutions, has announced a new partnership with Bon Studio for lighting distribution responsibilities in Greece. Effective January 1, 2024, Bon Studio will take over the sales and services of the Martin range of products. Located in Athens, Bon Studio is well-equipped to provide Greek customers and integrators with premium service and high-level expertise on HARMAN products. "This is a really exciting time for the Martin brand," said Ben Payne, HARMAN Professional's Director of Lighting for the EMEA region. "With the recent development of award-winning products like the MAC Aura XIP and the MAC One, the Martin Brand continues to build upon its strength with an extremely strong product portfolio. Forming a new partnership with Bon Studio to grow the business in Greece is the next step on that development path of expanding our customer base in all parts of the EMEA region. Bon Studio are already a respected partner for HARMAN Professional Solutions and we can see many positive synergies with the addition of the Martin range of products to their portfolio." "We're delighted to be adding the Martin brand to our existing range of HARMAN Professional Solutions brands," said Nikos Bofiliakis, CEO of Bon Studio. "There is an excitement about the Martin range of products in the market at the moment and we're looking forward to developing this in Greece. We'll be adding the Martin range of products to our demo facilities in Athens and Thessaloniki and we look forward to welcoming old and new Martin customers in the coming months."



pro.harman.com

HARMAN Professional Solutions appoints Magnelusa as pro audio distribution partners in Portugal

HARMAN Professional Solutions has announced a new partnership with Magnelusa Electronica, SA for audio distribution in Portugal. Magnelusa Electronica will take responsibility for JBL Professional, Crown, Soundcraft, BSS, Lexicon and dbx branded products. Effective April 1, 2024, Magnelusa Electronica will take over the sales and services of all HARMAN Professional

Solutions audio brands in Portugal from Midwich Portugal. Located in Sintra, Magnelusa Electronica is well-equipped to provide Portuguese customers and integrators with premium service and high-level expertise on HARMAN Professional audio products. This partnership represents a major step forward in HARMAN's mission to reach more customers and provide best-in-class audio solutions throughout Europe. "I am delighted to see the development of this partnership in Portugal," said Mark Bailey, Director of Audio, EMEA, HARMAN Professional Solutions. "Leveraging Magnelusa's current presence in the Portuguese market with our HARMAN consumer lifestyle brands and combining this with the strength of the Harman Pro portfolio, provides a unique opportunity across retail, installation and touring." Midwich Portugal will continue to supply HARMAN Professional products through March 30, 2024. HARMAN Professional thanks Midwich Portugal for many years of hard work and dedication to its brands in Portugal. This change will not affect ongoing business in the Spanish market. HARMAN Professional Solutions looks forward to continuing, strengthening and building its partnership with Midwich Iberia (EAR Pro) in Spain and will collaborate with both partners to further develop the Spanish and Portuguese markets in 2024.



magnelusa

harman.com

Powersoft announce technology partner with Ferrari



Powersoft S.p.A., a global technology leader in audio amplification systems, signal processing and transducer systems for the pro-AV sector, today announced a technology partnership with Ferrari S.p.A., bringing together Italian excellence in acoustic innovation and automotive engineering. The partnership aims to develop solutions enhancing the audio experience from the Ferrari brand while minimising energy consumption and offering benefits in efficiency, reliability and sound quality. Powersoft technologies stand out for their significant reduction in heat dissipation, the recycling of reactive energy from speakers, and installation flexibility, thanks to a remarkable weight/power ratio. These distinctive features have played a pivotal role in paving the way for this all-Italian cooperation. Powersoft's development philosophy prioritises reducing environmental impact through technology advancements and environmentally-conscious manufacturing processes. This commitment aligns seamlessly with Ferrari's pursuit of excellence, whose aim is to achieve carbon neutrality by 2030. Luca Lastrucci, CEO of Powersoft, commented: "The partnership with Ferrari marks a significant milestone in Powersoft's history, showcasing Italian expertise and creativity in the field of acoustics within the automotive market. Both companies share the core values of excellence, innovation and a passion for engineering and technology development. We're excited to lend our know-how to enhance Ferrari's audio experience".

powersoft.com

JBL Professional VTX A6 line array loudspeakers win 2024 NAMM TEC Award



HARMAN Professional Solutions, the global leader in audio, lighting, and video and control systems, including networked AV, today announced that JBL Professional VTX A6 line array speakers have won a NAMM Technical Excellence & Creativity (TEC) Award in the Sound Reinforcement Loudspeakers category.

The 39th annual TEC Awards honored best-in-class products in the professional audio community, and were presented at The NAMM Show in Anaheim, California on January 27, 2024. JBL VTX A6 line array speakers are JBL's smallest VTX line array product to date and bring flagship VTX A Series performance to a subcompact form factor.

"We thank the NAMM TEC Award judges and voters as we are honored that our JBL VTX A6 line array loudspeakers have won this prestigious award, the third for the VTX Series" said Karam Kaul, Vice President Audio, HARMAN Professional Solutions. "Since their introduction in July 2023, A6 has been widely adopted by many of our mid-size rental house, corporate, performing arts, hospitality, and house of worship customers. The entire team who has worked on the VTX Series have



VTX A6

been unrelenting in their pursuit of excellence and this award is proudly shared with them and all our customers who help us develop the world's highest quality audio systems."

This is the third NAMM TEC Award in Sound Reinforcement Loudspeakers category for the JBL VTX Series as the VTX A8 line array loudspeaker won in 2020 and the JBL VTX A12W line array loudspeaker in 2019.

The TEC Awards Nominating Panel was composed of leaders from across the audio and production industries. More than 1,000 products and projects in 23 categories were considered for Outstanding Technical Achievement nominations, ranging from computer audio hardware to recording microphones to wireless technology.

jblpro.com

PRG relies on LD Systems MAILA

PRG is expanding its extensive sound reinforcement portfolio with several LD Systems MAILA XXL systems including accessories. With 38 branches in 29 countries, PRG is one of the largest event production companies in the world. In Germany, PRG is represented by over 350 employees at five locations and has more than 20,000 m2 of warehouse space.

"We heard MAILA for the first time during an on-site visit to the Adam Hall Group Experience Centre and were immediately impressed," explains Udo Willburger, CEO of PRG AG. "This applies not only to the sound, but also to the efficient handling of the entire system. Especially in the corporate events sector, a system with a slim form factor and high flexibility in a wide range of applications is an enormous advantage when it comes to producing cost-effectively and still being able to deliver top results." In order to familiarise PRG employees with all the features and functions of the MAILA system concept in the best possible way, LD Systems Field Application Engineer Jens Kleinhuis held a comprehensive training course at the end of 2023. In the fully equipped auditorium of the Adam Hall Group at



Udo Willburger,
CEO of PRG AG

the headquarters in Neu-Anspach, the participants were able to familiarise themselves with the innovative assembly and setup details of MAILA in a detailed hands-on session. Markus Jahnel, COO Adam Hall Group: "PRG is one of the biggest names in the global event industry. We are delighted that one of the leading companies in our

industry is now relying on the MAILA system. Like PRG, our new MAILA system is a driver of innovation. We are very excited to see which productions it will be used on in the near future."

prg.com
ld-systems.com/maila
adamhall.com

Noise management capabilities of L Series win National Décibels d'Or Honour for L-Acoustics



From L-R: Christophe Combet, Executive Director of R&D; Françoise Cardoso, Director of Corporate Social Responsibility; Mary Beth Henson, Director of Media Relations; Hervé Guillaume, CEO of L-Acoustics Group; Julie Brilland, Communications Project Manager; Yann-Gaël Giquel, Head of Application Design; Germain Simon, Director of Product Management at L-Acoustics

L-Acoustics has been honoured during the prestigious Décibels d'Or awards by the French government's Conseil National du Bruit (National Council on Noise), which recognizes the company's unwavering commitment to pushing the boundaries of sound technology and its dedication to creating exceptional audio experiences while respecting the needs of local communities.

This esteemed award, founded in 1991 and granted only once every three years, recognizes the groundbreaking ability of the newly launched L Series line source array to manage sound, keeping it on the audience area while significantly reducing spillage to areas where it is not desired. It is the first time in the Décibels d'Or's history that an audio manufacturer has been honoured.

The L Series represents a new era of directivity-controlled loudspeakers, specifically designed for medium-sized festivals and concert halls. L Series comprises two elements that are designed to work together or on their own: L2 above and L2D below. This innovative system delivers unparalleled sound quality, clarity, precision, and



Hervé Guillaume, CEO of L-Acoustics Group accepting the Décibels d'Or honour from Robin Réda, President of the Conseil National du Bruit and Deputy of the French National Assembly



homogeneity for the audience, while effectively reducing noise by an unprecedented 15dB outside the coverage zone.

l-acoustics.com

2024 brings new partnerships for Pliant Technologies



Pliant Technologies has recently expanded its network with several new dealers and manufacturer representatives in multiple regions throughout the United States. Included amongst the new dealers representing the Southeast region are The Design Oasis (FL); Black Key Productions (FL); Strata (GA); Newtech Systems (KY); Avant Communication & Technology (KY); Creative Sound and Lighting (NC), and Bradfield Stage Lighting (TN). The latest dealers handling the Midwest include Simoni Systems (MI), SLS Production Services (MI), Striv AV (NE), and Majic Productions (WI). PureTek Group (NJ) is a new dealer for the Northeast, Bounce Multimedia (TX) will cover the Southwest region, and TVS Pro (UT) is the latest dealer in the West. Additionally, the brand's latest manufacturer representatives include AudioPros, LLC (Manchester, CT/Northeast) and Network Marketing (Minneapolis, Wisconsin, Dakotas, Kansas and Missouri). "We're extremely pleased to welcome each of these firms to the Pliant Technologies' family," says Gary Rosen, Vice President of Global Sales for Pliant Technologies. "Through this substantial expansion of our dealer and rep network, we look forward to not only increasing brand awareness, but also placing our trusted communication solutions into the hands of more users looking to upgrade their intercom systems."

plianttechnologies.com

RCF celebrates 75 Years of authentic performance sound

For 75 years, RCF has pushed the boundaries of audio innovation. Founded in 1949 by a group of passionate engineers, RCF's heritage is rooted in a relentless pursuit of superior sound quality and technological advancement.

RCF's fully integrated approach leads the way in the professional audio industry today. With R&D, manufacturing, and distribution all under one roof in Reggio Emilia, Italy, RCF can rapidly turn ideas into market-ready solutions. This vertical integration model gives an unparalleled competitive edge in quality, reliability, and value.

RCF's versatile product portfolio includes everything from installation-grade speaker systems to portable PA solutions and large-scale line array technologies. Flagship offerings like the new TT+ Audio GTX series redefine the standards for clarity, control, and setup speed in demanding touring and fixed install environments.

Beyond products, RCF provides full-cycle support capabilities to integrators, engineers, and end users. The in-house acoustics team, RCF ESG, assists with complex design projects, while the Audio Academy shares



applied knowledge with the global pro audio community.

"I am proud to lead a company with such a rich heritage and bright future. There is no way I can't be filled with pride for what we have achieved

together as RCF over these past years and all that is still to come" comments Arturo Vicari, CEO. The solid technical expertise, built on 75 years of history, its modern manufacturing facility, and its continuous technological improvement make RCF a fundamental reference for all audio professionals and enthusiasts. RCF distributes products directly in the United States, France, Germany, Benelux, Spain, and the United Kingdom, plus a network of over 120 trusted professional distributors throughout the rest of the world.

rcf.it

Powersoft welcomes Takis Tsonopoulos as MEA business development manager

Powersoft has announced the appointment of Takis Tsonopoulos as business development manager for the MEA region. In his new role, effective from February 1st 2024, Tsonopoulos will be responsible for new and existing clients and working closely with high-level decision-makers in the region. In his new role, Tsonopoulos will be focusing on building and strengthening relationships with potential clients and partners in the region, by gaining insights from Powersoft's established customer base. Collaborating closely with the company's distributors, he will particularly focus on understanding the unique requirements of consultants, integrators, and contractors to provide valuable support through the right products, services, and solutions for their designs and installations. Welcoming Tsonopoulos to Powersoft, Luca Giorgi, sales and business development director, says: "We are excited to welcome Takis to our Powersoft family. With a strong background in the pro-AV industry, he is well-positioned to bring a wealth of experience to his new role. I am confident that his expertise will contribute to our ongoing success and help foster growth in the MEA region."



Luca Giorgi,
Takis Tsonopoulos,
Luca Lastrucci

powersoft.com

Fulcrum Acoustic appoints AUX Import as distributor in the UK

Fulcrum Acoustic, a US-based professional loudspeaker manufacturer, is pleased to announce the appointment of AUX Import as their new distribution partner in the United Kingdom. AUX Import will distribute the full Fulcrum Acoustic and Fulcrum Immersive product range across the UK. This key partnership reinforces Fulcrum's presence in EMEA, alongside other distribution partners in the region. Val Gilbert, Director of Business Development for Export at Fulcrum Acoustic, shared his excitement about the expansion: "Our collaboration with AUX Import marks a significant step for Fulcrum's growth in the European market. We are particularly



(left to right) Callum Bowran and Val Gilbert

impressed by the teams' energy and customer-focused approach, which are qualities that resonate with us at Fulcrum. Both AUX Import and Fulcrum Acoustic are rapidly growing companies, and we look forward to expanding our reach in the UK market together." Callum Bowran, Technical Director of AUX Import, also expressed enthusiasm for the partnership: "We are thrilled to be collaborating with Fulcrum Acoustic, a company known for its advanced audio technologies and dedication to customer support. This partnership underscores our commitment to providing our customers with the best in professional audio-visual equipment. We're excited to introduce Fulcrum Acoustic's range of products to our clients."

fulcrum-acoustic.com

auximport.co.uk

City Music elevates audio excellence with Shure Stem Ecosystem



Shure Stem Ecosystem in use

A well-established name in the music scene in Singapore, City Music has been Singapore’s leading retailer and wholesaler of quality musical instruments and professional audio equipment since its inception in 1968.

As a leading force in the music industry, they have recently embarked on an exciting transformation journey, marked by a fresh corporate identity and a strategic relocation to enhance their client-centric approach. This move to a new, state-of-the-art venue signifies their commitment to elevating the standard of service and creativity, solidifying their position as a trailblazer in the industry.

As City Music expanded into a larger office space, the need to enhance the audio experience in online meetings became evident, both for the internal team and external participants, as platforms like Zoom, Microsoft Teams, and Google Meet grew in prevalence. Seamless and clear audio input and output are essential for creating a conducive and productive online meeting environment. To tackle the challenge of inadequate sound quality in online meetings due to the lack of dedicated microphones for each participant, City Music sought an effective solution to deliver and receive crystal-clear audio, ensuring a seamless virtual meeting experience in the new era of remote collaboration.

Shure technical experts along with engineers from Electronics &

Engineering Pte Ltd (E&E) worked to better equip City Music’s new office to enhance their meeting experience. With the advantage of a blank slate, the new products seamlessly integrated into the office without any need for integration with previously installed audio devices. The new, bigger meeting room requires a scalable and flexible solution for its conferencing needs. Shure Stem Ecosystem was introduced to help address the challenges faced by the City Music team. With Stem Ecosystem, it not only provided the team with the freedom to customize the meeting room but its no-programming approach saves both time and money.

Shure Stem Ecosystem was designed to give in-house IT teams the freedom and flexibility to get their conference room audio up and running with ease. City Music has benefited greatly from the implemented solution, meeting all their video conferencing needs. Interlinked with the Stem Hub which acts as the brain of the operation, the installed Stem Table and Wall gave high quality conferencing through a combined 24 microphones performing real beamforming with an innovative downward-facing speaker giving



(From left to right) Hoe Yeegn Lough, Sales Director, City Music and Hoe Hsin Loong, Marketing Director, City Music

amplified performance, along with the audio quality of a full range of speakers and subwoofers.

By leveraging the Stem Ecosystem, City Music has significantly improved their online meeting experience. The team now benefits from crisp audio output without the need for individual headsets, resulting in clearer sound for participants on the receiving end. Moreover, the system has eliminated the requirement for individual microphones during conferences while ensuring high-quality audio input for all team members involved. This seamless integration of advanced audio solutions has elevated City Music’s communication and collaboration, positioning them strongly in the evolving landscape of remote or hybrid meetings.

enepl.com.sg
citymusic.com.sg

Amp expert Martin Andersson joins APEX



Community Europe S.A has announced the appointment of amplification luminary, Martin Andersson as Product Director for Belgian amplifier manufacturer, APEX. Andersson is the son of Lab Gruppen co-founder, Kenneth Andersson and held multiple sales and product management positions with the iconic amplification and processing brand before starting his own OEM amplifier module business, Ampsource. In the newly created Product Director role, Martin Andersson will lead product management and development for all existing and forthcoming APEX ranges. "With our CloudPower installation amplifier platform firmly established, we're ready to take on new challenges and different vertical markets," reflects Community Europe S.A founder and CEO, Ann Leroy. "We are thrilled that Martin has agreed to play a key role in this journey. With his deep understanding of every aspect of the amplifier business, Martin is ideally placed to ensure future APEX products deliver the perfect user experience and innovative features that truly make a difference to our customers." "There's a real dynamism in the amplifier business at the moment, with new brands eager to challenge the status quo," explains Martin Andersson. "I'm excited to join APEX at this stage of the company's development where there is an opportunity to shape the next generation of products."

apex-audio.be

DirectOut and 7Hertz forge strategic partnership to Elevate Audio Solutions in the Middle East



From left to right, Lorenzo Sassi (DirectOut), John Parkhouse(7Hertz), Chadi El Masri (7Hertz), Luca Giaroli (DirectOut) and Rami Bou Hadeer (7Hertz)

DirectOut, a pioneer in audio technology, is pleased to announce that it has entered into a strategic partnership with 7Hertz, a renowned distributor of professional and home audio products. This collaboration emphasises DirectOut's commitment to providing world-class audio solutions through an innovative and forward-thinking distribution partner in the Middle East region. John Parkhouse, Senior Live Audio Consultant at 7Hertz, expressed his enthusiasm, saying: "We are very happy to welcome DirectOut to our portfolio at 7Hertz. The alignment of our core philosophies has seamlessly paved the way for a straightforward and exciting partnership."

Lorenzo Sassi, Business Development Manager at DirectOut comments on the partnership: "DirectOut is delighted to join forces with 7Hertz to bring our innovative audio technology solutions to the Middle East market. We believe that 7Hertz's commitment to excellence and deep passion for sound harmonises perfectly with our values, making this partnership a natural fit. Together, we

look forward to enhancing the audio experience for professionals and enthusiasts in the region." DirectOut's exceptional product range will be seamlessly integrated into 7Hertz's existing offering, enriching the overall collection of solutions the company represents. To deepen the understanding of DirectOut's products, the company will soon hold comprehensive training sessions in Dubai. This initiative aims to equip both the 7Hertz team and their clients with in-depth knowledge to effectively advise, utilise and implement these advanced audio solutions. "We are looking forward to DirectOut's visit to Dubai, where comprehensive training sessions will be held for both the extended 7Hertz team and our customers. This underlines our shared commitment to providing in-depth knowledge of DirectOut's exceptional products and ensuring that we and our clients are well informed and able to make the most of these state-of-the-art solutions," concludes John Parkhouse.

directout.eu

ACT Entertainment to distribute PK Sound robotic line array systems

ACT Entertainment, the industry-leading manufacturer and distributor of live performance and music equipment, will begin offering solutions from PK Sound, the robotic line array company, to customers in North America.

“As a Canadian manufacturer with a growing international profile, we were looking for a distribution partner in North America that could help augment sales in the territory, but also ultimately serve as a regional support center for our network,” says Jeremy Bridge, CEO, PK Sound. “Working with ACT Entertainment opens our company up to new opportunities. This will be especially valuable as we continue to grow our business and product offerings in the coming years.”

“At ACT Entertainment, we are passionate about helping our clients realize their creative vision and are always on the lookout for cutting edge products,” says Ben Saltzman, CEO, ACT Entertainment. “PK Sound’s unique, patented technology with robotic real-time control in both the vertical and horizontal plane is truly a one-of-a-kind, disruptive product. We are thrilled to introduce PK Sound as our first offering in the live sound market. Meeting Jeremy, James [Oliver, PK Sound CSO] and the entire PK Sound team strengthened my view that the brand is a perfect fit for ACT. I am proud to bring PK Sound to our clients and honored to work alongside such a strong team.”

To ensure success in the live sound market, ACT Entertainment has appointed industry veteran Ralph Mastrangelo as Director of Sales, Live Sound. “I’m very excited to be a part of this unique partnership between PK Sound and ACT Entertainment,” he says. “Together, we will unleash this unique, innovative and game changing technology to the live sound market.”

Included in the initial product offering that ACT will supply is PK Sound’s medium-format T10 robotic line source



(l to r): James Oliver, CSO, PK Sound; Jeremy Bridge, CEO, PK Sound; Ben Saltzman, CEO, ACT Entertainment; David Johnson, CCO, ACT Entertainment; and Ralph Mastrangelo, Director of Sales, Live Sound, ACT Entertainment

PK Sound T10 Robotic Line Array



element, which offers stunning SPL and clarity with remote, real-time control of vertical and horizontal coverage.

The company’s patented multi-axis robotic technology is driven by PK .dynamics software to unite every stage of the modern live sound workflow in a single application. This ensures delivery of a superior level of intelligibility and impact by directing acoustic energy away from reflective sources and focusing it only where intended.

pksound.ca
actentertainment.com

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Musician monitoring	by Daniel Loh

DAY 2

Live Loudspeaker Demo by Funktion-One	by Rebel AV
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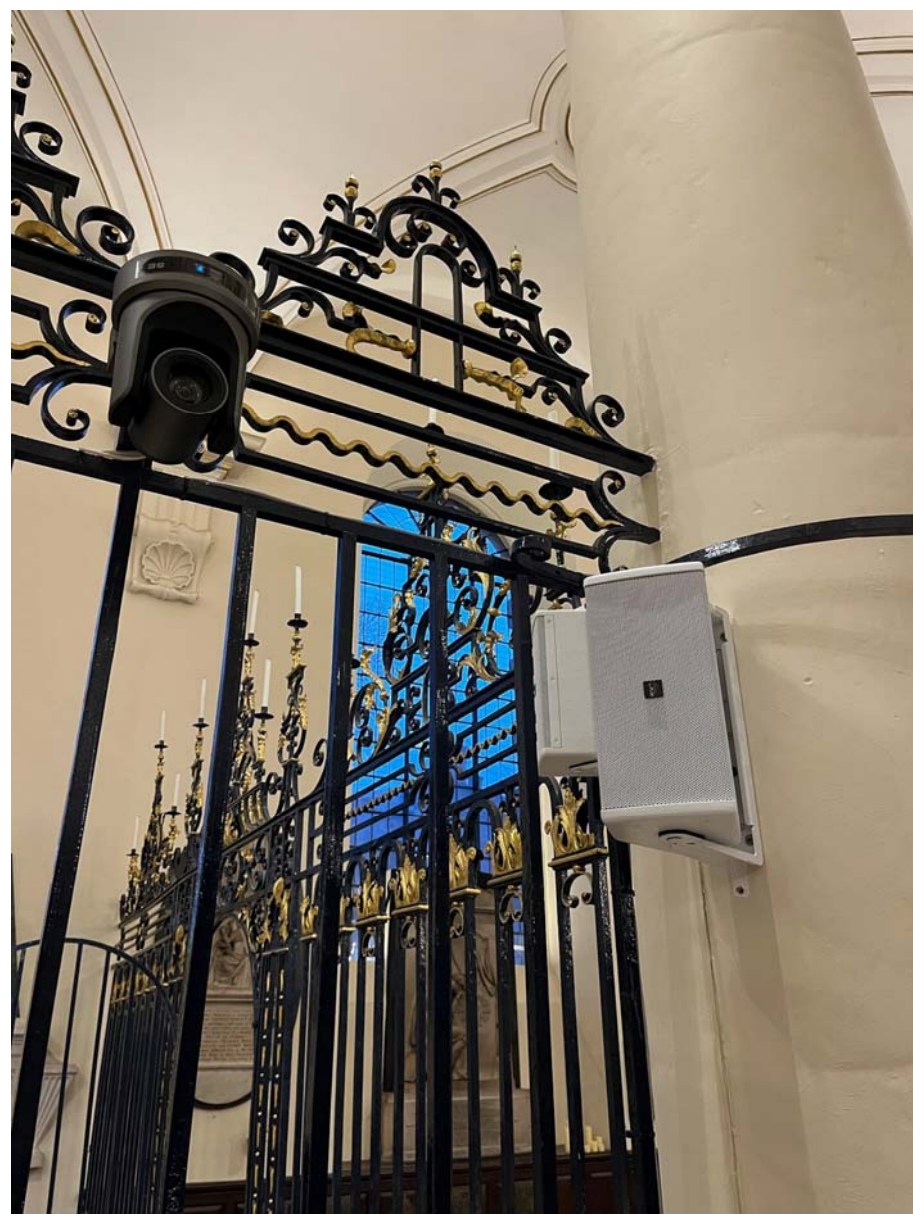
Acoustic Solutions equips Derby Cathedral with KV2 systems

Founded in 1943, the Cathedral Church of All Saints – better known as Derby Cathedral – is one of Derby’s most beautiful and historic sites and holds many monuments of Derby’s and Derbyshire’s past.

An important spiritual and cultural hub for the city and surrounding areas, the Cathedral hosts no fewer than 18 services per week – that’s two or three services daily – plus special and seasonal services to celebrate important events in the religious calendar. The Cathedral recently turned to specialist consultant and integrator, Charles Brown of Acoustic Solutions to upgrade their audio solution to bring it into line with modern requirements.


Brown specified and delivered a comprehensive point source system from KV2 Audio. Brown is something of a reference when it comes to installing audio solutions in churches and cathedrals throughout the UK and is often the first port of call for houses of worship looking to upgrade or renew their systems.

Derby Cathedral was no exception. “The pandemic was a catalyst for change for many churches as they were forced into live streaming in order to continue to connect with their congregations,” explains Brown. “I’ve installed over 40 live streaming systems in churches across the UK as a result, and it was whilst advising Derby Cathedral on this topic that it became apparent that their current loudspeaker system was less than adequate for the job.”



KV2 ESD5





The Cathedral needed clarity of the spoken word and detailed, low-level playback that could be perfectly heard without over-exciting the acoustic of the building. Brown demonstrated several products from a number of brands, but it was the ESD25 and ESD5 from KV2 that the cathedral (and Brown) preferred above anything else. "I generally find that once clients have been exposed to KV2, they don't want anything else," states Brown, "and if it were up to me, I'd use KV2 on every job if I could get it into the budget! In this case, ESD5 and ESD25 were an ideal choice – sufficiently compact that they fit in architecturally yet loud enough without being intrusive and with a clarity and detail that is second to none, all of which is perfect for a cathedral environment." Brown replaced around 30 100v line loudspeakers with a total of 16 ESD cabinets in white to blend seamlessly with the architecture.

He deployed 4 of the larger, more powerful ESD25s at the front of the space near the altar to provide a little more bottom end, adding that the acoustics are such that any bass frequencies fill the space without effort. The rest of the Cathedral is covered by 12 of the more compact ESD5s. An Allen & Heath AHM matrix mixer defines eight speaker zones allowing areas to be isolated when not in use and the levels of each zone to be adjusted for flawless coverage with no hotspots or dead zones.

"We've had nothing but praise for the system since it's been in, both from users and those who have experienced the sound it delivers," reports Brown. Derby Cathedral operations Manager Jessica Kilmurray is in full agreement: "We've had a huge number of positive comments about how the new system looks and sounds from members of the Cathedral community," she notes. "It just goes to show that it's already making a significant impact on the quality of our services, which is marvellous."

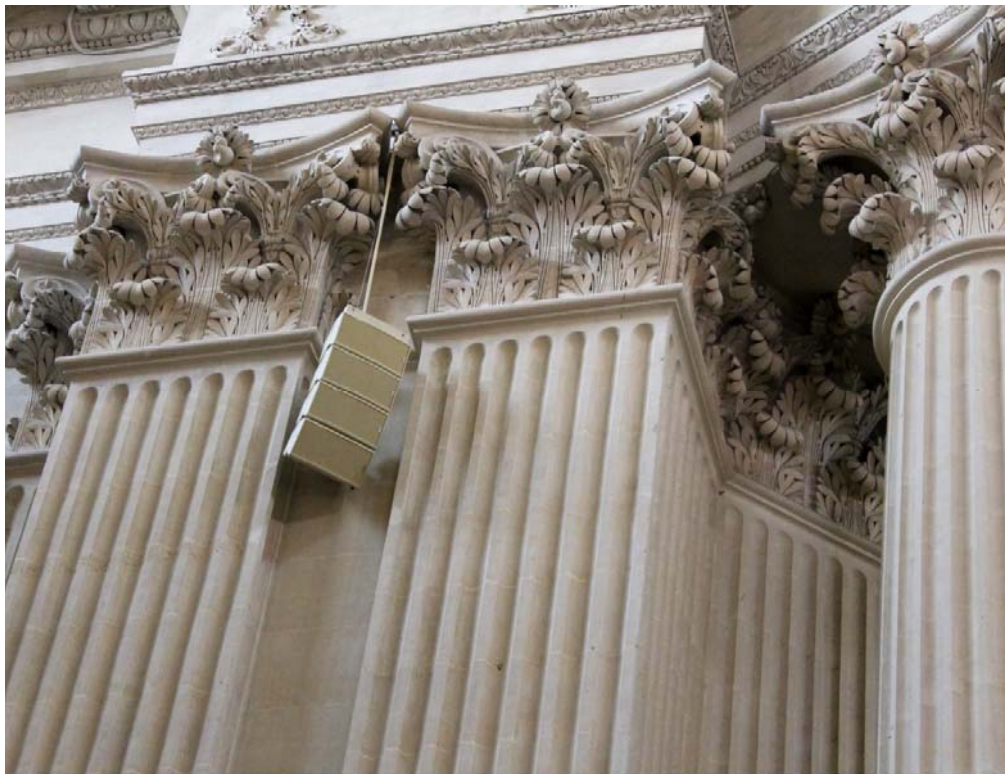
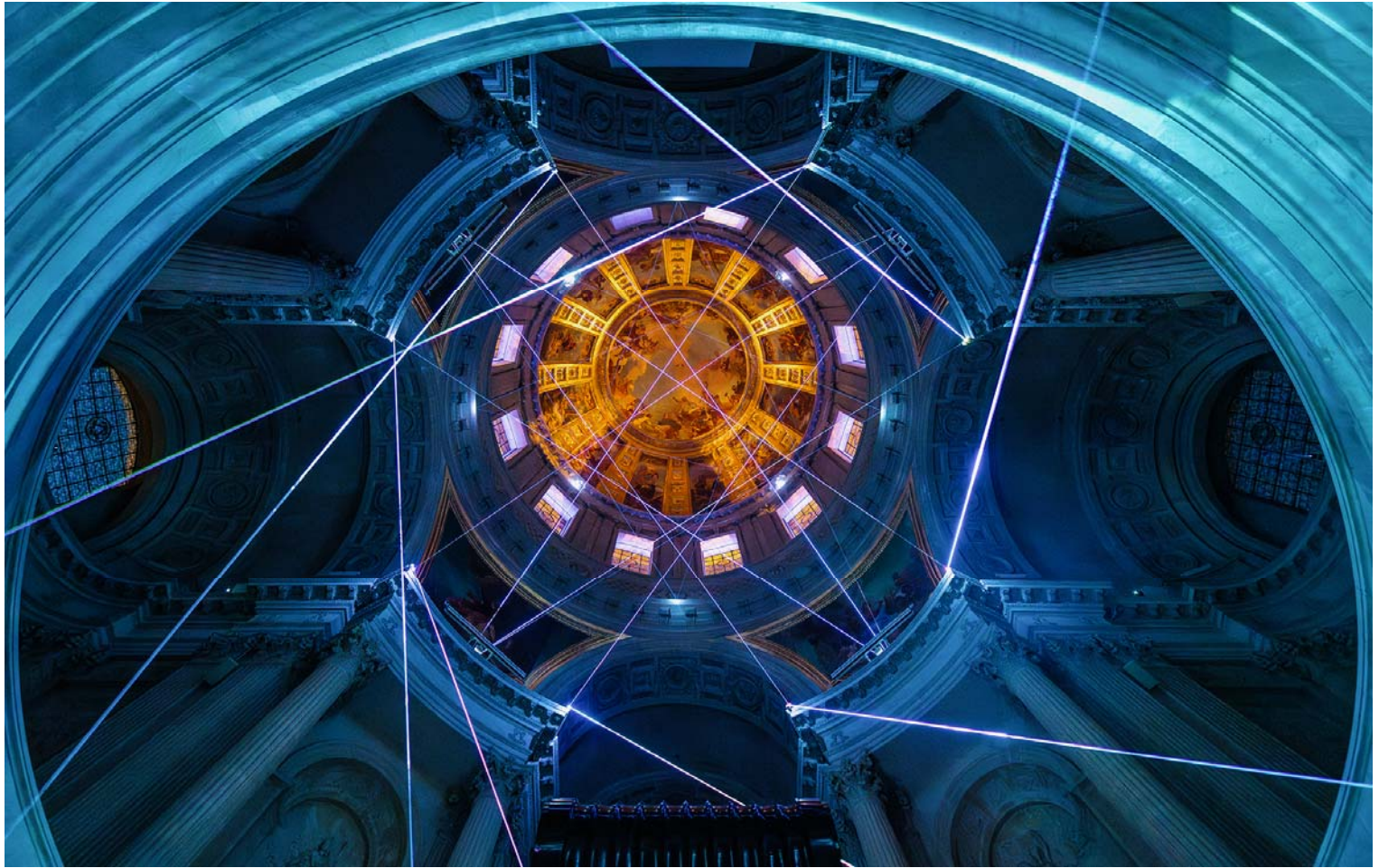


NEXO helps to tell the story of the historic Dôme des Invalides

At a height of 107 metres, the Dôme des Invalides is the tallest church building in Paris and a shrine of some of France's leading military figures, most notably the tomb of Napoleon. Built during the reign of Louis XIV in the 17th century, the stunning architecture of this iconic building with its six chapels is brought to life in the breath-taking AURA Invalides nighttime experience in which visitors are immersed in orchestral music as the walls become a canvas for dynamic video projections and lighting effects.

The experience was designed by Moment Factory at the request of cultural operator Cultural and produced through a partnership with Musée de l'Armée, France's national military museum. An all-NEXO sound system finished in a custom RAL colour to match the stone walls of Les Invalides was designed and installed by French AV technology and events production specialists Novelty Group, with assistance from the Engineering Support team at NEXO.





Eight clusters of four NEXO GEO M6 compact line array elements are wall-mounted close to the pillars at the entrances of the four corner chapels, with each cluster facing the opposing pillar. L18 subs are mounted above each of the four corner arches, with a single GEO M620 at each corner firing

into the dome to create a virtual source. Compact NEXO ID24s above each arch face the floor, with additional pairs of ID24s mounted above the Turenne and Vauban monuments in the two side chapels, and pairs of ID24s supplemented by an IDS110 sub in each of the four corner chapels.

Sound is central to the experience which has been described by visitors as magical and sublime, as spoken word, music and soundscapes are used in a 3-movement journey that covers the design and construction of the building, its history and that of the characters connected with it, and its role in the present day.

“It’s a major achievement to install a powerful, discreet and coherent sound system in this extraordinary space with an enormous 14 second TR” comments Christophe Girres from NEXO Engineering Support. “Both the GEO M6 and ID24 achieve high SPL with precise coverage from relatively small cabinets, and the facility to supply custom RAL colours certainly helped the system to ‘disappear’ in the historic setting of the Dôme des Invalides.”

nexo-sa.com

novelty-group.com

Photo © AURA Invalides - Moment Factory

Clear-Com empowers spectacular theatrical immersive experience 'Free Your Mind' with cutting-edge intercom technology

The theatrical immersive experience, *Free your Mind*, debuted in the United Kingdom, and utilized a Clear-Com® system to optimize the workflow of their A-List creative team. Mounted in Factory International's new cultural venue, Aviva Studios in Manchester,

The show's complexity, the number of departments, and the expectations of the creative team required robust intercom – a challenge championed by Clear-Com. “When you're working with directors and creators on this level, they're used to a certain standard,” said production sound engineer David Gregory. “That standard applies to every element of production technology deployed on *Free Your Mind*, including intercom, which, given the complexity of this production, needed to be expansive.”

For channel count and reliability in a frequency-rich environment, the V-Series panels, in conjunction with FreeSpeak II® digital wireless system, provided a solid basis for expanding the venue's existing system. Gregory added that “with the number of channels and FreeSpeak II, all we had to do was upscale the rig to accommodate everybody.”

Sound design for the show was by multi-Tony and Olivier award-winning Garreth Fry. The intercom system designed by Fry was then implemented by Gregory and included an Eclipse® HX-Delta matrix intercom system frame (outfitted with an E-IPA-HX card), FreeSpeak II digital wireless, and V-Series Iris User Panels. Fry's work designing the intercom system for *Free Your Mind* had unique challenges as a show due to its immersive nature and moving parts. Due to the complexity of the show, the team needed top-of-the-line equipment to succeed. Gregory shared that “because there are so many different intrinsic parts (to the show) things need to happen really quickly.”



E-IPA-HX card

To present this take on *The Matrix* required intercom infrastructure more on the scale of a broadcast system than a standard performance setup – including many extra user panels. Obtaining those extra panels was challenging because the number of Clear-Com V-Series Panels required to augment the venue's Clear-Com rig was the template for the more extensive system.

“The theater and corporate market is quite small here, and, at that moment, no one had any to spare. That was when I contacted Clear-Com and said, 'Can you help me? We need more V-Series panels, and I don't know where else to go. Brilliantly, Ben Turnwell (Clear-Com's UK sales representative) helped us get enough V-Series so everyone who needed one could have a panel to ensure the show worked seamlessly.

Communications for the show required all the capabilities of the original venue's Clear-Com system and a substantial expansion – a combination of fixed and temporary installations. “Because of the nature of the building and the venue design, this project was commissioned to utilize the flexibility of the space to its utmost,” explained Anna Moutrey, Senior Producer at Factory International. “We're effectively running two shows simultaneously, in two separate spaces in the same building – one in the hall space and one in our warehouse space, which is why we needed this massive comms system.”

clearcom.com

www.avltimes.com/pro-audio

Goshen Swara Indonesia makes SHURE there is audio innovation in the original musical "When to Resign?"

In today's era of digitalization, many of us as workers feel pressured and mentally exhausted, a phenomenon known as "burnout." The World Health Organization (WHO) has recognized this issue as a global problem that affects nearly every corner of the world. In response to this phenomenon, an original musical "When to Resign?" was held on October 2023, at the Salihara Theater in Jakarta, Indonesia.

Goshen Swara Indonesia, a leading Jakarta-based audio provider enthusiastically supported this event by providing the audio sound system equipment for the musical theater.

This approach was intriguing for Goshen Swara Indonesia as it was the first time they supported an original Musical Theater, unlike previous endeavors that mostly adapted stories from Broadway.

In addition to being an original work, the choice of venue for "When to Resign?" also differed from most other musical theaters. The Salihara Theater was selected as the venue, which is the first Black Box Theater in Indonesia with a capacity of approximately 226 people.

Taking into consideration aspects of the venue, mobility, and the comfort of the performers, Goshen Swara Indonesia provided various equipment such as the Shure Axient Digital Digital Wireless Microphone, Shure Antenna Distribution, Axient Spectrum Manager, and mic clip-ons from the Shure Twinplex Series.

The Full Set Digital Wireless Microphone System Shure Axient Digital is equipped with a 4-channel receiver, micro transmitter (ADX1M), spectrum manager, and comes with a Diversity Showlink Access Point.

The superiority of this system lies in its stable RF capability and clear audio.



With this system, if there are any issues requiring channel changes, transitions can be made seamlessly without having to remove the transmitters already attached to the costumes of the performers. This is made possible because it is equipped with a Diversity Showlink Access Point (AD610).

The use of Shure Twinplex mic clip-ons was chosen because they are specifically designed for Broadcast & Theater purposes. Their small size and elastic cable make them very suitable for use.

Throughout the event, the Goshen team worked alongside the sound engineer team from "When to Resign?". They were skilled in using Shure products and available software, ensuring that the event ran smoothly. As a distributor, Goshen greatly appreciates the competence of the sound engineers who have understood the Shure products and software they use, thus ensuring the smooth running of the event on every occasion.

goshen.co.id

Clear-Com and Matsuda Trading provide state-of-the-art intercom for Tulip TV's facility in Toyoma, Japan

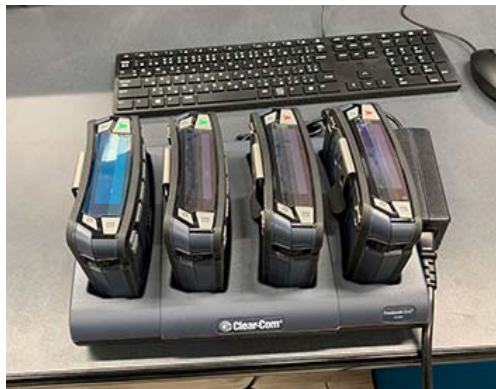
Clear-Com® played a crucial role in the comprehensive upgrade of Tulip Television Co. Ltd.'s intercom system for its new office building in Toyama City, Japan. The new office building in Toyama City required a comprehensive update for the Japanese broadcaster's intercom system.

Tulip TV and long-time Clear-Com Partner, MTC were unequivocal in their praise for the technology and their mutual dedication to procuring the system under challenging circumstances. "We would like to thank everyone at Tulip TV for their hard work to install the latest communication equipment through the Coronavirus pandemic and difficult procurement period. Clear-Com and MTC will continue to provide a stable intercom system in the future, and we will do our best to support Tulip," stated MTC.

Provided by Matsuda Trading (MTC), Clear-Com's distributor in Japan, the system includes a Clear-Com Eclipse(r) HX digital matrix system with FreeSpeak Edge® digital wireless and leverages Clear-Com's highly flexible mobile smartphone app, Agent-IC®, and provides a cutting-edge solution for simplifying and streamlining comms for Tulip TV.

The system utilizes an Eclipse HX-Delta as a central matrix, which is equipped with an E-IPA card for IP connectivity to connect V-Series Iris™ Panels, FreeSpeak Edge transceivers, and Agent-IC between different rooms and other locations, with Iris panels located at remote master/news desks. All wireless transceivers are driven through the IP network. Additionally, Tulip has adopted a 5 GHz FreeSpeak Edge system, providing wireless coverage for the beltacks in their ground floor studio.

"All endpoints are connected as a single communication system. Numerous



Clear-Com Iris key panels are deployed in each sub-table location, with further interoperability includes cameras, radios, announcer talkbacks, and phone lines," the technical team of Tulip TV explained.

In addition to meeting requirements for cost and scale, the system designed for the new space provided Tulip TV with an advanced communication environment that takes full advantage of the Clear-Com system's high-level functionality, and the team at Tulip also shared that "Clear-Com's EHX management software is easy to use" and that they are "satisfied with the ability to create a diverse communication environment."

The improved ease of use and overall reliability also enhance Tulip TV's operation experience. The deployment of Agent-IC, which has become a standard for Japanese broadcasters, further optimizes their communication with relay destinations. Tulip mentioned that "with the introduction of Agent-IC, challenges were instantly resolved. Similar mechanisms existed in the market, but the deciding factor was Agent-IC's superior GUI (Graphical User Interface). It can be operated intuitively

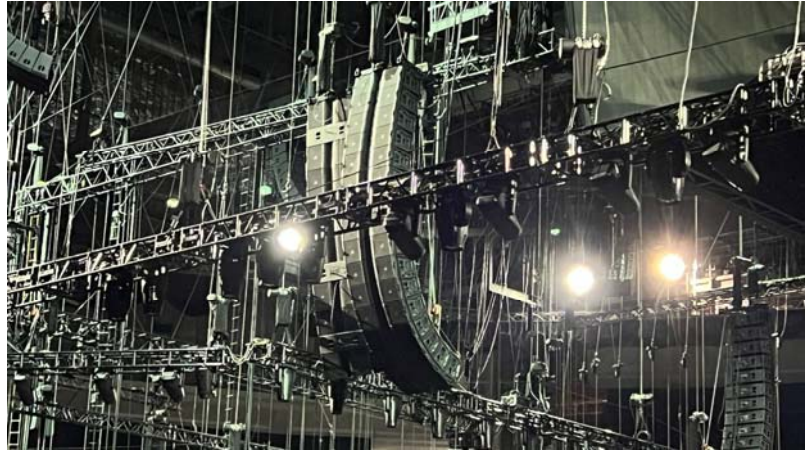


even by reporters and other staff who are not familiar with the operating equipment, and it has received good reviews from the field." Beyond that, the use of Agent-IC and the possibility to license additional capability for the Clear-Com E-IPA card will ensure the system can be expanded should Tulip TV need to scale the system up to connect fluently and reliably with other studios and individuals in the future.

clearcom.com

Firehouse Productions supports MTV Video Music Awards with JBL VTX Series

The Prudential Center in Newark, NJ, was the venue for the 2023 MTV Video Music Awards ceremony. Producing a show of this size and complexity is a massive job and the demands on equipment performance equal those on the crew itself. Sound, obviously, is critical for an MTV event and to meet all of the many, varied, and stringent requirements, the show's longtime audio coordinator, Mark Dittmar, VP of Red Hook, NY-based Firehouse Productions, once again turned to JBL's VTX Series loudspeakers. Firehouse filled the house using a main system of 108 VTX V25-II-CS three-way loudspeakers. VTX S28 and G28 subwoofers supplied the very low frequencies, and Crown IT4X3500 and IT12K amplifiers drove the whole system. For this event, Firehouse moved to some different JBL models for fill loudspeakers. "We switched to the VTX A8 for down fill, and the VTX A6 for front fill, which made intelligibility extremely strong. I think the A8s are spectacular, although we're still getting a feel for the right way to use them. We were certainly asking a lot from the A6s for front fill, but they handled it easily." With these restrictions, rigging capable of handling taxing deployments was necessary. "One of the reasons we've been loyal to JBL is that doing a standard, left/right rock hang is easy to do with any system, but when we do 20-box hangs, trim at high heights, and use extreme angles, we really push the rigging system to its limits. We rely on JBL's software to confirm that we are still safe."



jblpro.com firehouseproductions.com

Toyota Alive Space reaches for the stars with HARMAN Professional Solutions

To deliver unconventional and unforgettable showroom experiences for visitors to the new Toyota Alive Space facility, Mahajak Development Co., Ltd. and HARMAN Professional Solutions installed a comprehensive slate of audio, visual and control technology. For the majority of the office areas, JBL 8124 full-range ceiling loudspeakers deliver clear, high-fidelity performance while blending seamlessly into the overall space. The installation team also installed 8124 speakers in the meeting and board rooms, with the addition of JBL Control 50S/T subwoofers to deliver impactful low end and an impressive 32 Hz–20 kHz frequency response in a compact and sleek design. A combination of Crown CT875, CT475 and XTi1002 amplifiers ensure consistent output, low-latency processing and easy-to-use controls. The resulting system ensures that Toyota employees can enjoy crystal clear sound for virtual meetings and presentations—and collaborate without the need for troubleshooting. Finally, the office relaxation zones utilize JBL Control 85M coaxial mushroom landscape speakers, which offer 360 degrees of coverage while blending into the surroundings, and the overall background music system is powered by a Crown CDi 2000 amplifier. Crown CT475 and XTi1002 amplifiers also provide power to the prototype showspace, giving guests a high-quality and immersive experience.



pro.harman.com

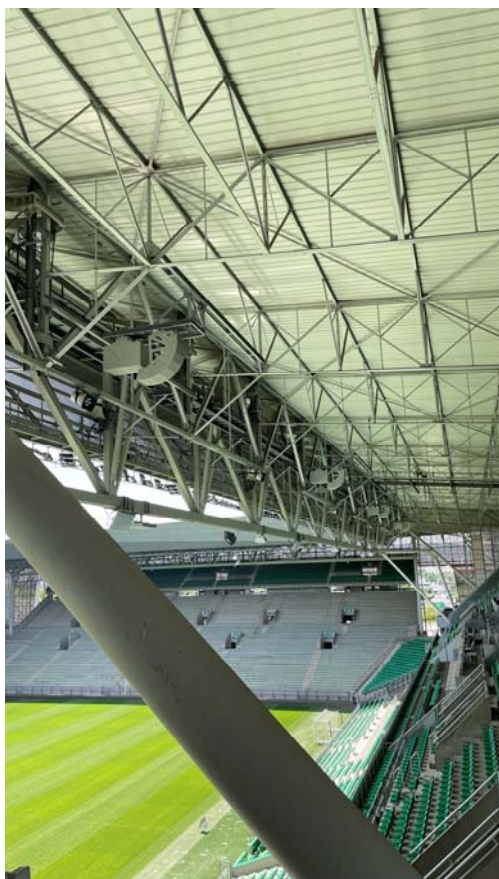
d&b audiotechnik tackles intelligibility for Saint-Étienne Stadium

As part of its recent refurbishment, the Geoffroy-Guichard Stadium in the French city of Saint-Étienne is set out to tackle its issues with audio intelligibility, settling on a solution from d&b audiotechnik. Combining unrivalled live sound with a high level of intelligibility for announcements, the stadium now boasts a best-in-class audio performance.

To make it so, the audio team faced multiple technical challenges. Firstly, the new audio system needed to provide a full-range, precise sound to every listener in the stadium, regardless of where they were seated. Secondly, it would have to solve the stadium's existing issues with poor intelligibility of announcements – a problem exacerbated by the legendary fervour of Saint-Étienne's supporters and the stadium's RT60 reverberation time of more than five seconds in the lower frequencies. Adding further to the challenge, the new solution would have to allow for the low weight-loading of the stadium structure itself, as well as being as unobtrusive as possible to protect audience sightlines.

The system chosen to meet these demanding criteria was based around d&b audiotechnik's Y-Series line array modules, along with point source loudspeakers from its xS Series. Low-end support is provided by the d&b Vi-SUB SVS – the stadium-specific installation version of the V-SUB. Although designed for ground-stacked applications, the subs here are in fact flown behind the top cabinets.

While the Vi-SUBs deliver the benefit of their cardioid performance and exceptional output-to-weight ratio, the Y-Series' installation-specific Yi12 and Yi8 boxes were chosen for their excellent directivity control. The 24S and 10S-D point source speakers were selected because they ensure a tonal balance which seamlessly continues the intelligibility beyond the areas covered by the Y series clusters. Together, the directivity and control



characteristics of these loudspeakers made them an ideal choice for improving intelligibility while reducing weight requirements and maximising sightlines. d&b's Custom Solutions team – including Nicholas Traa, Lukas Walter, and Michael Eckstein – provided valuable assistance throughout the project. They were able

to design a dedicated rigging solution adapted to the new stadium's carpentry, while a new algorithm developed by d&b was also used to speed up the calculation times, making for an important time saving during the fine-tuning of the project.

dbaudio.com

www.avltimes.com/pro-audio

Jazz at Lincoln Center hosts stellar debut of Meyer Sound NADIA

The Appel Room of Jazz at Lincoln Center in New York hosted a diverse celebration of music and technology. To mark the first commercial installation of the NADIA™ integrated digital audio platform for Constellation® acoustic systems, Meyer



Helen Meyer, John Meyer, Wynton Marsalis

Sound brought together acclaimed violinist Joshua Bell with the Academy of St Martin in the Fields Chamber Ensemble, the Mark Morris Dance Group, Steve Miller, and the Bruce Harris Quintet, the latter introduced by Wynton Marsalis, managing and artistic director of Jazz at Lincoln Center. Co-presented by Jazz at Lincoln



Center (JALC) and Meyer Sound, and dubbed “NADIA’s Music Hall,” the invitation-only event underscored the extraordinary acoustical versatility of the Constellation acoustic system, which subtly optimized the room’s aural ambiance for each performance. Company co-founders John and Helen Meyer were in attendance, with Executive Vice President Helen Meyer and Constellation Project Director John Pellowe making introductions and conversing with the performers. “We’re excited about this evening because we are about to bring you a unique variety show,” said Helen Meyer in her opening remarks, “featuring some of the world’s most celebrated artists from contemporary dance as well as classical, rock, and jazz music. And we’re doing this so you can hear — and enjoy — how these different musical genres sound naturally their best using The Appel Room’s Constellation acoustic system, recently upgraded with the NADIA platform.”

meyersound.com

Meyer Sound ushers Oakland’s Paramount Theatre into a second century of audience excitement



The Paramount Theatre has been awarded multiple historic designations, including that of a U.S. National Historic Landmark. The status assures the preservation of the theater’s visual aesthetics, but it raised challenges for the audio system renewal. To consult on the complexities involved, Paramount Theatre General Manager Jason Blackwell turned to Berkeley-based The Shalleck Collaborative, Inc. The new system as installed comprises dual front arrays of 14-each LEOPARD compact linear line array loudspeakers, with the top 12 the M80 version with an 80-degree horizontal pattern, and the bottom two with the standard 110-degree spread. Corner fills are, per side, one each UPQ-D1™ and UPQ-D2™ full-size loudspeakers, with six ULTRA-X20™ compact wide coverage loudspeakers for front fill. Controlled deep bass is supplied by four cardioid arrays of three-each 2100-LFC™ low-frequency control elements, with two arrays flown and two ground stacked. Eight MJF-210™ low-profile stage monitors are available for artist foldback. The arrays are split into four zones to optimize the level and EQ for the vertical coverage areas. Two Galileo® GALAXY 816 network platforms provide drive and optimization for the main arrays and corner fills via analog inputs, while the 2100-LFC elements and ULTRA-X20 loudspeakers connect for both audio and monitoring data via a Milan AVB network controlled by Nebra™ software.

meyersound.com

HOLOPLOT X1 matrix array sound system delivers flawless coverage for Marbella's Starlite Occident Festival

HOLOPLOT's authorized distributor in Spain and Portugal, Sound Architecture, collaborated with Ilusovi Servicios, one of Spain's most respected AV specialist companies, to deploy the groundbreaking X1 Matrix Array at Marbella's famous boutique Starlite Occident Festival. Starlite Occident marked the first outdoor live show deployment of X1 and it delivered unprecedented sound control and flawless coverage, including targeted audio for the VIP area which had previously been difficult to accommodate with a L/R system.

For Starlite Occident, the X1 system was strategically deployed to overcome challenges posed by the venue's unique acoustic environment, which included the quarry walls' reflective surfaces in the amphitheater styled arena, steeply raked seating and a VIP area flanking the stage and positioned at 90 degrees to it. Reese Kirsh, Segment Manager for Live Performance collaborated closely with Ilusovi and Lead Audio Engineer Aaron Guerrero, providing training and support where necessary to ensure the team were comfortable working with X1. In preparation for the event, Guerrero also visited a HOLOPLOT demo and training event in London. "It helped me to reset my brain, because this is not a line array," he recalls jokingly. "It's a completely different concept, and I needed to learn what the system can do." Additionally, Guerrero wanted to ensure X1 would be able to facilitate a varied line-up of artists from multiple music genres and perform well for everyone.

The final system comprised six X1 MD80-S 3-way modules and six X1 MD96 2-way modules in a six (vertical) by two (horizontal) configuration left and right of the stage, complemented by an additional two MD96 as a center cluster. Additionally, two single MD96 modules were employed as mono front fills to provide coverage for the areas nearest to the stage.



HOLOPLOT's commitment to customer service was also highlighted during the festival. Guerrero praised the close collaboration he had with the team, citing quick responses to inquiries and a robust support system. "We established a close connection with the HOLOPLOT team, and whenever I had a question, I received a response within the hour. It has been a great collaboration," he explains.

The successful debut of the HOLOPLOTX1 system at the Starlite Occident Festival marks a significant milestone in the evolution of live sound reinforcement and demonstrates how the company's unique technology can deliver fundamental value to live entertainment applications.

holoplot.com

www.avltimes.com/pro-audio

APG adds audio excellence to Café de Paris

An APG iX series sound system is delivering reference-quality sound to the jet setters of the French Riviera with a stylish new installation at Saint-Tropez's iconic Café de Paris. PMP, which has an office in Gassin, just inland from Saint-Tropez, is something of a specialist when it comes to AV on the Riviera, having also designed and installed APG-based sound systems in a number of other local landmarks. Inside the Café de Paris, PMP opted for 16 iX5 – a miniature two-way, full-range loudspeaker that offers studio monitor-like compactness and sound



quality with improved performance and power handling – finished in sun-reflecting cream-white (RAL 9001), and paired them with two iS115 subwoofers. Outside, one iS112 sub complements two iX8-O speakers, from the iX-O series, the IP54-rated outdoor sister range to the iX series. All iX-O models incorporate a coaxial loudspeaker with passive filtering and bass reflex for wideband operation. Power for the Café de Paris system comes courtesy of Powersoft Quattrocanali amplifiers, while the zoning interface is provided by an Ecler MIMO1212 matrix paired with a dedicated touchscreen. Music can also be streamed via Spotify using any PC. The new sound system, once installed and set up, won "unanimous approval" from the Café de Paris team, says Alexandre Pirotte, managing director of local system integrator PM Production (PMP), with the client also saying they are reassured that the speakers are covered under APG's comprehensive five-year warranty.

apg.audio

arbane-groupe.com

Ultimate Ears a must for Andre Siebrits

Playing a dual role as a lighting designer and programmer for shows such as Idols, The Voice, RMB Starlight Classics and countless others, South African Andre Siebrits recently acquired an Ultimate Ears UE Comm, specifically the Ultimate Ears 11 Pro model, from DWR Distribution. The decision has been pivotal for him, particularly considering his concern for the long-term health of his ears. "Ultimate Ears are reputed for their outstanding sound quality, at least that's what I'd heard, even though I'd never tried a pair due to the units being custom in-ear moulds," Andrew Siebrits describes. "My main goal was to use them to enhance my programming experience, allowing me to focus on my work rather than being bombarded by loud music in the venue, often with the same song on constant repeat as I tried to take notes. Cheaper headphones tend to underperform, and wireless ones come with higher latency issues. Additionally, the matter of hearing protection was a significant concern. When you work on concerts or live shows, you are in an environment designed for the audience to withstand loud volumes for a maximum of two hours a day. However, we frequently have multiple rehearsals and are often exposed to loud music throughout the entire day." The UE 11 Pro model, when unplugged, offers a controlled 12DB of Stage Bleed. When plugged in, users will receive full isolation of up to 26DB. "It just gives you that acceptable range where you can listen to music for an extended amount of time and, it has a bigger noise cancelling when you put in the ear plugs," says Andre. "It's really great that I can now have good music at the right level and still hear all the details."



Andre Siebrits

dwrdistribution.co.za

The Crew and Clear-Com: Modern broadcasting with the latest technology

Clear-Com® and The Crew BV come together to bring the latest OB van technology to take on their variety of programs and set locations. Based in Nederhorst den Berg, close to the broadcasting center of the Netherlands in Hilversum, The Crew BV has a refreshing view on broadcasting. Focused on the skills and talent of their people, they seek out the best equipment and tools to accomplish their wide variety of work. Catering to their technical needs are two modern OB vans and a flexible mobile set that they have labeled 'Flight Pack'. The flagship of the fleet is their new OBV2, a state of the art van that can process up to 14 cameras and 16 workplaces. Communication is key for modern broadcasters, and for their newest OB van The Crew turned to Clear-Com specialist Frans van Houten at Ampco Flashlight Sales for a range of intercom solutions. OBV2 now holds a Clear-Com Eclipse® HX Digital Matrix system equipped with an E-IPA card with 32 ports, 15 V-Series Keypanels, and 5 V-Series Desktop panels with headsets and microphones make up the end user stations, as well as 24 Clear-Com 4W Interfaces used for connections to the sound mixer; two-way radios and many other external systems. All of this is augmented with the FreeSpeak II® digital wireless system comprising of 24 FreeSpeak II 1.9 GHz beltpacks and four IP transceivers. Additionally, there are Agent-IC mobile app connections for users who want to use their own devices to tap into the intercom system. Lastly the Arcadia Central Station can be used as a standalone system for smaller events with wireless FreeSpeak II beltpacks or added to the OBV's via 8 DANTE-ports.



clearcom.com

Celebrating 50 years, The Roxy rocks on with Rat Sound and JBL VTX series

To provide concertgoers with an epic live music experience, the high-profile Roxy Theatre teamed up with Camarillo, California's Rat Sound Systems, to install JBL's VTX A-series. While it was clear that the new system had to have fidelity, power, and coverage, it could not impede views from anywhere in the famed theatre, be it floor space or VIP balcony seating. The A8 offers a wide, 110-degree coverage area and up to 139 dB SPL maximum output yet is only 30 inches (761 mm) wide, thus providing a perfect match to the requirements. "JBL was involved in the system design, and we put a little spin on things, mostly with the sub deployment," said Adam Figueroa, Rat's Head of Sales and Installations. "The stage is an odd size and requires some unique sub processing to get the coverage and response we were looking for." The final design specified 12 VTX A8 cabinets for the main L/R coverage, four VTX B28 dual 18-inch subwoofers, and a selection of AE Compact speakers for fills. Crown I-Tech 4X3500HDS DriveCore™ four-channel amplifiers drive the system. JBL worked closely with Rat to resolve every concern that arose, reports Figueroa. "We really appreciated how JBL's application team helped us along the way, considering this was our first VTX install," he says. "We found a rigging issue when we assembled the arrays in our shop for testing, and JBL was able to resolve it for us almost overnight."



jblpro.com

Allen & Heath takes sound quality to a higher level at Pingtan International Performing Arts Center Theater



Located north-east of Jinjing Bay, in the Pingtan Comprehensive Experimental Area of the Fujian Province, is Pingtan International Performing Arts Centre. When Chinese AV solutions provider EZPro was handed responsibility to supply the sound reinforcement system for the theatre, reliability and versatility were high on the list of criteria to maintain peak performance throughout the year with minimal downtime.

“To meet the needs of a range of performances and activities, flexibility is absolutely critical,” explains Fan Gaoqing, Technical Manager of EZPro. “With a dLive system, we could store and recall different ‘modes’ - by using Show Files, Scenes, and the Preset Library - allowing us to achieve very efficient changes.” Alongside this the dLive audio engine resides in the MixRack, which makes transporting the surface super easy and efficient - “another big plus for the theatre!”

EZPro opted on installing a dLive S7000 Surface as the main, and a dLive C3500 as the backup. The dLive S7000 is the largest Surface in the dLive range, providing operators 36 faders and dual 12” capacitive touchscreens in conjunction with 26 assignable SoftKeys for workflow customisation. The C3500 offers 24 faders and dual screens plus 19 assignable SoftKeys, making it a space-saving backup option for the main S7000.

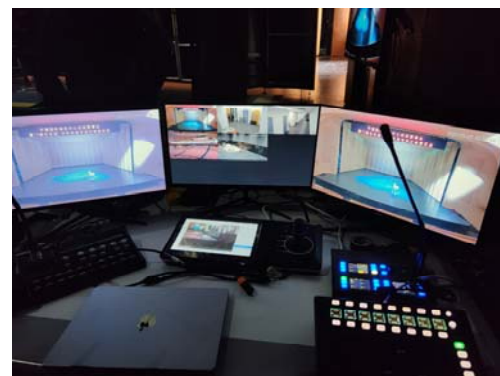


A DM64 MixRack in the control room, connected to the S7000 via the integrated gigaACE port, handles audio processing with a gigaACE audio networking card installed for connection to the backup C3500 Surface.

To provide additional analogue I/O which could be relocated throughout the venue, a DX32 Modular Expander was deployed, equipped with 3 analog input cards to provide 24 more analogue inputs to the system.

Elsewhere in the building there were third-party MADI devices that needed to be on the same audio network. To accommodate these devices, EZPro fitted a SuperMADI audio networking card to the S7000 to deliver 128 channels of MADI I/O at 96kHz with highly flexible routing options.

EZPro also utilised a compact IP8 Controller to allow for tactile remote control of levels away from the main mixing position.



Connected through the Network port on the rear panel of the S7000 via a network cable, the convenience of the mixing system was greatly enhanced.

Two For The Road: Big Daddy Weave takes a pair of DiGiCo Quantum225 desks on tour

Nashville-based band Big Daddy Weave has been raising the roof and bringing down the house on their ongoing Heaven Changes Everything Tour. They're also extremely conscious of the role that technology plays in their sound, so this tour saw the addition of a pair of DiGiCo Quantum225 consoles, used for both front of house and monitors. In fact, they liked what the Quantum desks did so much that they bought them, rather than renting them for the duration of a tour as is common. They made an investment in DiGiCo technology because of the long-term benefits the Quantum consoles offer.

Matthew Grunden, who has mixed Big Daddy Weave's front-of-house sound for 14 years, orchestrated the acquisition through Dan Brown at Reach Communications in Minneapolis. "We own ninety percent of our gear and have found that it's

more cost-effective to own than rent seasonally every year," he says, adding that they also own their d&b audiotechnik V-Series PA system, which they purchased nine years ago. "We only want to buy the best, and DiGiCo fits that philosophy."



digico.biz

DPA gets a curtain call from Third Encore Studios

Third Encore Studios has grown into a full production campus with a rentals department, storage facility and cartage services. When artists put their shows together at Third Encore's studios, they can sample the many audio and backline options available. From mixing boards and wireless audio systems to more than 90 vintage and modern production keyboards, along with a wide range of drum kits, Third Encore supplies a variety of high-end, quality gear. For the microphone inventory, Third Encore has



chosen to showcase a range of solutions from DPA Microphones, which are frequently used and requested by clients. The brand's 4018 d:facto™ Vocal and 4011 Cardioid Condenser mics are on-hand at the studios, along with the 4055 Kick Drum, 4099 Instrument, 2015 Wide Cardioid and 2012 Compact Cardioid, both as standalones and part of the DPA Drum Miking Kit. When it comes to rentals, Third Encore offers several audio packages that incorporate DPA. "The 2012, 4011 and d:facto mics are especially durable and road-worthy; they can take the abuse that naturally occurs when our clients are on a long tour run," says John Hoik, Rentals and Studio Booking Manager for Third Encore Studios. "These mics also sound big; you can expect them to deliver audio in the exact way the instrument sounds. There's no coloration or masking like you get with other brands."

dpamicrophones.com

Inaugural Olympic Esports Week wows gamers with L-ISA Spatial Audio

Created by the International Olympic Committee in collaboration with various international sports federations and video game publishers, the first-ever Olympic Esports Week was hosted in Singapore's 12,000 square-metre Suntec Convention & Exhibition Centre. With varying content throughout the program, the Olympic Esports Week posed a challenge to the audio team. As is traditional in any Olympic event, the competition was bookended by opening and closing ceremonies. Yet, unlike most Olympic events, these ceremonies were presented in L-ISA Immersive Hyperreal Sound. Sound designer Jeffrey Yue of Ctrl Fre@k was asked to create the sonic atmosphere. Yue proposed a system design that featured a main scene system of five hangs of one L Acoustics A15 Focus and Wide each, with four KS21 subwoofers flown in the centre. Nine L-Acoustics X12 boxes surrounded the audience seating area for a 360-degree immersive audio experience. J5 Productions provided and implemented the entire system. Yue needed to be ready for a narrow window of rehearsal time on site, so he worked closely with the creative team, preparing content using L-ISA Studio on his laptop, then brought his mixes to the L-ISA Auditoria at Concept Systems, an L-Acoustics Certified Provider Distributor in Singapore. Working with Daniel Lee, Application Project Engineer for L-ISA at L-Acoustics, and Gerald Fong of Concept Systems, Yue began crafting the immersive mix while the main stage was in construction. He then completely finalised the mix at the venue on the L-Acoustics A Series-based L-ISA configuration.



l-acoustics.com

ctrlfreak.sg

Becky G takes a Big Show on the Road and Monitor Engineer Lucas Pinzón Relies on KLANG to Keep Everyone on Stage on the Same Page

Singer/songwriter Becky G's first solo headlining tour— Mi Casa, Tu Casa —covered 16 cities, and was a big show, with a band, a DJ, and numerous guest artists. Monitoring on the 64-input stage would be a challenge, one that the KLANG:fabrik immersive in-ear monitoring solution handled superlatively, night after night. The tour's visual production set its complex tone. Monitor engineer Lucas Pinzón describes it as "a theater tour, but easily adaptable to arenas, that travels with a lot of scenery. In each show, Becky's childhood 'house' is recreated, with musicians distributed among stairs, hallways, flowers, and second floors." It took 64 input channels to accommodate that very full "house" that included a drummer with a set of acoustic drums and an SPD machine, along with a bassist with an electric bass and Moog keyboard, a guitarist with electric and acoustic guitars, and a loquacious DJ with two stereo units. In



addition, there were 18 channels of tracks operated by a separate playback technician. Then came the guest artists including sierreroño trio Conexión Divina and six musicians who formed a "regional music section" with guitar, requinto, bass tololoche, two trumpets, a trombone, and a tuba who both opened for and backed Becky G during her show. To manage all of this, Pinzón set up 13 stereo IEM mixes, plus one additional for guests, all using Shure PSM 1000 IEMs. The KLANG:fabrik was loaded onto his LV1 console, which matched another LV1 out at FOH, mixed on by Ramon Pabon. Pinzón's monitor console featured the KLANG:fabrik system, integrated into the SoundGrid network through an MGB with MADI ports.

klang.com

NEXO gets nautical with Oasis

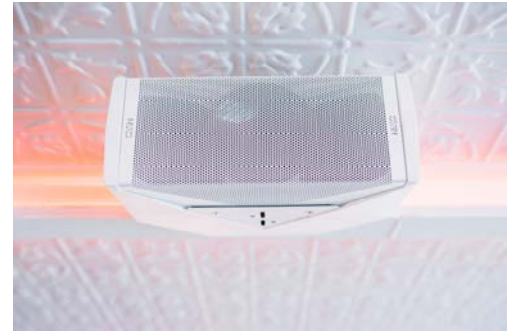


If one were to look out from the banks of the Brisbane River this year, one might see a new feature on the water: Oasis Cruising's new entertainment riverboat. Dubbed 'Brisbane's newest lifestyle vessel', Oasis is a unique water-bound events venue. With a permanent residency on the Brisbane River, the three-level events boat offers voyages with sweeping views of the city skyline, while talented international and local DJs ignite each custom-designed space with high quality audio. Integral to this experience is an onboard PA system enabling extensive control, coverage and fidelity, courtesy of French loudspeaker manufacturer NEXO.

NEXO's flagship point source system, the P+ Series, in combination with the compact full-range ID24 Series, were selected to supply audio to the dancefloors and all covered areas aboard Oasis. NEXO's optional contemporary white colour schemes were chosen for each system, allowing the modules to blend seamlessly into Oasis' sweeping bright white palette. Presenting partygoers with immersive collisions of colour, décor, lighting and sound, each of the three deck spaces within Oasis exude their own personality through individually tailored interior designs. Expertly crafted, every component aboard Oasis has been through a meticulous selection process, with the ship's sound systems being no exception. Chief Operating Officer of Oasis, Michael Watt, explains:

"Too many times you find that sound has been an afterthought in the development of a space, but it is so essential in delivering a complete experience that will be remembered. We needed a system that could handle background music and corporate presentations through to acoustic musicians and international DJ headliners. It had to have a small footprint but be able to offer uniform coverage. It also needed to be able to handle the elements- as after all- it was going to be installed on a floating river venue."

Michael and the crew behind Oasis set course for Showtime Production Services, one of Sydney's leading audio-visual production and integration teams. Showtime assembled a selection of NEXO loudspeakers that would both comprehensively cover the entire vessel, and offer detailed control over directivity to aid in minimizing noise pollution. Asher Daoud, Director of Showtime Production Services, expands on the technology installed: "For Oasis, we needed something functional and aesthetically discreet, so we opted for white speakers throughout. NEXO is a tier-one brand, renowned for its high quality and high output, with good distribution; knowing this, we chose a suite consisting of 2 x P15, 4 x P10, 12 x ID24, 6 x L18 subs, 2 x IDS210 subs, 2 x IDS108 subs and a mix of 4x1 and 4x2 NXAMPMK2 amps. The compact ID24s have a small footprint which was perfect, and the P+ Series offers exceptional control."



nexo-sa.com

www.avltimes.com/pro-audio

HARMAN Professional introduces state-of-the-art meeting room solution at Bank of Thailand

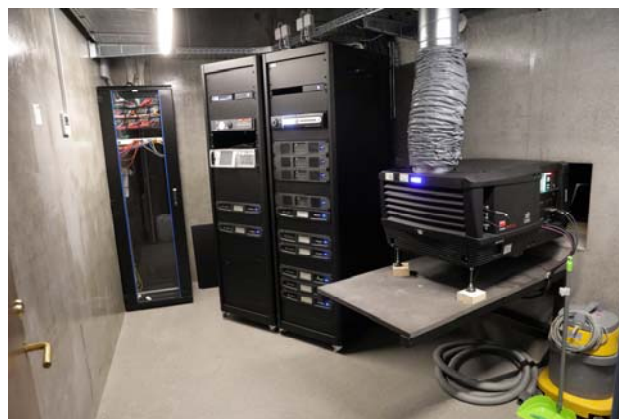
Meetings can be expected to run smoother at the Bank of Thailand after its main conference room 155 located on the 5th floor of the building, received a digital facelift with a new state-of-the-art AV control system from HARMAN Professional in partnership with Mahajak Development Co. Ltd. The system consists of different types of speakers to ensure surround sound and maximum clarity. The JBL CBT 100LA-1 column speakers direct audio to the conference table for improved speech intelligibility, which is important during video conferencing. The JBL Control 14C/T coaxial ceiling loudspeakers evenly distribute audio throughout the room creating a more natural and realistic sound environment. Apart from ensuring that everyone can hear the audio clearly regardless of wherever they are seated, the even distribution of sound also reduces listening fatigue which is important for long-duration meetings. All JBL loudspeakers are driven by Crown amplifiers, the CD12/300 and XLS1502, with ultra-efficient patented DriveCore™ technology and streamlined functionality to ensure a powerful and pure sound experience. Lastly the 'brains' of the system, facilitating intelligent touch control of the meeting room's functionality, is the AMX NX-2200 controller supplemented with external control boxes EXB-IO8 and an iPad that serves as a wireless user interface.



pro.harman.com

Palads Teatret delivers immersive cinematic audio experiences with HARMAN Professional Solutions

Audio Visuelt Centrum A/S recently partnered with Septon and HARMAN Professional Solutions to outfit Palads Teatret's newest flagship theater with a premium cinema audio solution by JBL Professional. Cinema directors Kris Sjøgaard Pedersen and Sofia Rafn Abildgaard recently unveiled their ambitious redesign for Palads Teatret that includes four renovated theater rooms. The newly constructed theaters required immersive audio systems that complement the décor and enhance the overall movie experience for guests. To accomplish these requirements, Pedersen and Abildgaard turned to top cinema integrator AVC and distributor Septon to outfit the theater rooms with comprehensive Dolby Atmos and Dolby 7.1 cinema audio solutions. AVC and Septon outfitted four of Palads Teatret's rooms with a range of JBL cinema speakers, including 4732T, 3732T and 3732 ScreenArray loudspeakers, 4642A and 4645C subwoofers, SCS12 and SCS8 spatial surround speakers, and 9320 and 8102 cinema surround speakers. Because the flagship room is much larger than the average theater, the team elected to install JBL AM5212 two-way speakers in the role of front-most sidewall and ceiling surround speakers. Together with AC599 and AC299 used as full-range surround speakers, the JBL system delivers excellent coverage, precise intelligibility, and cinematic immersion in Palads Teatret's main theater. To supply reliable power and sophisticated networking technology for the Dolby Atmos and Dolby 7.1-equipped JBL speaker systems, Septon and AVC installed Crown DCi Series amplifiers, which interface with the Dolby processor directly via built-in BLU-link, contributing to a simplified-yet-elegant cinema routing.



jblpro.com

avc.dk

septon.dk

Prism Sound sees red to beat the counterfeiters



Audio interface specialist Prism Sound is fighting back against counterfeiters who have been copying its award-winning products by launching special edition units with distinctive red front panels. These unique converters are only available in China – and only through the company’s official distributor, Digital Media Technology Co. Ltd (DMT). Clement Choi, Managing Director of DMT, says: “Prism Sound is making every effort to stop the counterfeiters and we are giving them our full support. These attractive and highly distinctive Callia and Lyra 2 units are immediately recognisable as the ‘real deal’, and we urge Chinese customers who want to own a Prism Sound converter to come directly to us and avoid making a costly mistake.” Since discovering illegal units on sale in the Far East, Prims Sound’s technical team have been examining them thoroughly and have run numerous tests that indicate just how substandard the fakes are. “Counterfeit interfaces may look convincing but under the surface they are poorly made and not worth the money people are trying to sell them for,” James Woodburn adds. “They fall a long way short of the audio performance and build quality of legitimate products.”

prismsound.com

dmtpro.com

PMC helps Fluid Mastering replicate its much loved monitoring system

When audio professionals invest in PMC monitors they become part of the PMC family, and as such PMC will always try to help if one of its ‘family members’ decides to rebuild their facility or relocate elsewhere. In the case of Fluid Mastering, the internationally acclaimed mastering house set up by engineers Tim Debney and Nick Watson, PMC was happy to assist when Fluid announced it was moving out of its premises in Hammersmith and setting up two new studios in totally different parts of the UK. As both Tim and Nick loved the PMC BB5-XBD Active monitors in Fluid’s main studio, they faced a Judgement of Solomon – who was going to take possession of these speakers, which had been a vital part of Fluid’s set up since its inception in 2006? “We obviously couldn’t take one half each,” Tim laughs, “so the only solution was to get a second pair. PMC staff were very accommodating and managed to source an identical system for us, so we didn’t have to draw lots. The existing pair are now in my new studio in Surrey and Nick will soon install the second set in his studio in Bristol, once building work is completed. PMC also came to my studio and helped align them so that they are performing at their best.” Tim’s studio now boasts the Shadow Hills Mastering Compressor along with a Cartec Tone Harmonics Compressor. In addition, he has invested in an SPL PQ and an SPL DMC Mastering Console and Hermes router for all the monitoring and routing. But pride of place still goes to the PMC BB5-XBD monitors that Tim and Nick were first introduced to at Townhouse Studios.



Tim Debney Fluid Mastering

pmc-speakers.com

fluidmastering.com

Xu Wei closes out tour with Adamson



Chinese rock legend Xu Wei restarted his pandemic-interrupted Endless Light Tour with a large-scale Adamson PA design consisting of 172 speaker cabinets at Chongqing Huaxi Culture and Sports Center. Real Music Acoustics & Lighting Technology chose Adamson for all loudspeakers including stage monitors, main arrays, sidefills and frontfills.

The main left and right line arrays each consisted of eighteen E15 and three E12 for downfill. Main sidefills used arrays of fifteen E12. All venues were large enough to require extensive frontfills. Front of house system engineer Kaiji LIU says, "For the frontfill, we use eighteen Adamson S10. These 10" line array cabinets are divided into six groups to cover the front area." There were twenty-four more S10 available to augment the already large main array for particularly large venues. The low end was filled in with thirty-six E219 subwoofers in three groups for left, middle and right. To keep the sonic signature in the Adamson family, M-Series stage monitors were used for the band and various performers that joined Xu Wei.

Adamson was an easy choice for the 172 loudspeakers required for the tour because of the unified system design with Blueprint AV software. Now a feature of Adamson's ArrayIntelligence software, Blueprint technology was used to design and simulate the system in each venue. This allowed for maximizing the best coverage possible as well as assisting with planning and setup.

In the end, the choice was about the sound, "The whole sound system uses Adamson. Every speaker shares the same technology like the Kevlar cones for example. The result is we get similar performance including excellent transient response across every speaker we deploy," says LIU.

real-music.com.cn
adamsonsystems.com



A DiGiCo Quantum225 double play for Ian Munsick on tour

Ian Munsick has been named one of Spotify's inaugural Hot Country Artists to Watch. This year, his rapid rise is reflected in his tour itinerary, which has taken him from a western honky-tonk bar one night to opening for Morgan Wallen in a stadium the next before headlining his own arena shows. Beginning this year, Munsick's sound team was bolstered by the addition of a dedicated monitor engineer, after they transitioned to a pair of DiGiCo Quantum225 consoles, supplied by Clair Global. Seth Hewson was Munsick's initial front-of-house engineer when the artist's burgeoning career was still using what Hewson describes as a "Clair 'band-in-a-box'" with a 32-input mixer and Shure PSM 1000 in-ears packaged together. "Ian and the band mixed their own ears using the app on their iPhones, with no monitor engineer," he recalls. "I worked with Clair Global on the Quantum225 spec and we introduced the consoles at rehearsals back in March of this year. I was there when Ian first transitioned to the DiGiCos, which was also the first time he hired a monitor engineer." That monitor engineer was Graig Clinton, who since July has moved to mixing FOH, with Greg Roberts coming aboard as the newest monitor engineer. There was now a complete mix team, both on Quantum225 desks, just as Munsick's career was ready to shift into overdrive—and it was a big shift.



digico.biz clairglobal.com

DiGiCo adds the right spice to Karol G's Mañana Será Bonito tour

They knew her as Carolina Giraldo Navarro in her native Medellín, Colombia, but the world now knows her as Karol G. Her Mañana Será Bonito tour is a non-stop whirl that needs a console that can keep up with her and the show, and that's just what they found with a pair of DiGiCo Quantum338 consoles, supplied by tour vendor Clair Global, deployed at front of house and monitors. "Quantum is the future," says FOH engineer



FOH engineer John Buitrago at his DiGiCo Quantum338 desk

John Buitrago, who cites a number of aspects of the Quantum338 he's been using to support that assertion, from its powerful processing to its ergonomics that include how readable the displays are even in broad daylight at stadium shows. Buitrago's Quantum338 is on an Optocore network that also links the second Quantum338 at monitors, a pair of 56-input SD-Racks—one on the main stage and one on a smaller satellite stage—and an 18-input SD-MiNi Rack, as well as an Orange Box used to host track playback. Over in monitor world, engineer Robinson Barrera has found that the combination of the Quantum338 and a DMI-KLANG card for in-ear monitoring has significantly improved his workflow and the onstage experience.

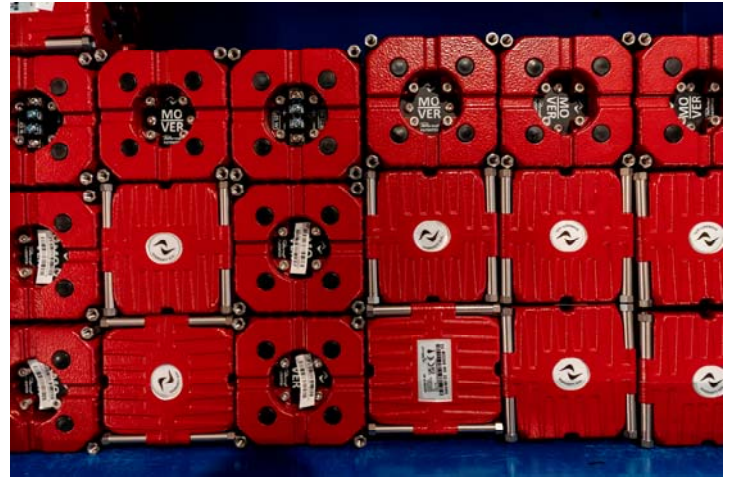


Robinson Barrera mixing Karol G's IEMs with a KLANG and DiGiCo combo

digico.biz clairglobal.com

Powersoft for Sphere immersive sound and haptic seating

Sphere Entertainment Co. recently announced that Powersoft contributed immersive haptic technology and cutting-edge amplifier solutions that are being used in Sphere, a next-generation entertainment medium in Las Vegas. Powersoft's technology is integrated within the venue's 10,000 haptic seats, and as part of Sphere Immersive Sound powered by HOLOPLOT, the world's most advanced concert-grade audio system. Developed specifically for Sphere's unique curved interior, Sphere Immersive Sound is powered by 167,000 channels of amplification provided by Powersoft's compact, ultra-high-efficiency 16-channel amplifier solutions that are integrated into the venue's HOLOPLOT X1 audio system. MSG Ventures, which develops groundbreaking technologies and content exclusively for Sphere, partnered with Powersoft to leverage their ultra-high-efficiency amplifier solutions that achieve approximately 40 percent energy savings compared to traditional amplifiers, minimizing environmental impact without compromising sound quality. "Sphere is the largest-scale and most innovative application of Powersoft technology yet, and we're thrilled to partner with a company that holds the same values and vision for the future of live entertainment," said Carlo Lastrucci, President of Powersoft.



powersoft.com

PMC Studios hosts Atmos mixing sessions for Orchestra of the Swan

PMC's London studio is rapidly becoming the go-to facility for producers and engineers who want to experiment with mixing music in Dolby Atmos. Specifically set up to showcase the company's range of monitors that are suitable for immersive audio mix rooms, the Islington-based demo suite has already hosted recording and playback sessions for producers and artists. One recent project undertaken in the facility was the Atmos mix of ECHOES, a dazzlingly eclectic album from Orchestra of the Swan (The Swan). As an internationally renowned sound engineer with a reputation for embracing a wide range of genres, Simon Allen is an ideal fit for The Swan, with whom he has worked on a number of albums. The requirement for an Atmos mix of ECHOES gave him the perfect opportunity to hone his Atmos mixing skills in an acoustically accurate environment. He adds that one of the greatest attributes of the facility is the design of the room. "Both the acoustic treatment and the layout of the PMC speakers remove many factors that could have otherwise felt intimidating or potentially clouded a mix decision," he says. "The room is laid out with minimal equipment and furniture inside the listening environment and PMC took the decision to hide the side and surround speakers in the wall. This enables and effectively forces you to listen to where the sound is coming from and not be visually distracted. These design decisions complement the natural sound delivered by PMC speakers, which ease the otherwise daunting experience of hearing sound coming at you from all around. I'm really left feeling confident in the product we created there."



pmc-speakers.com

d&b adds sparkling audio to the Estádio do Sport Lisboa e Benfica

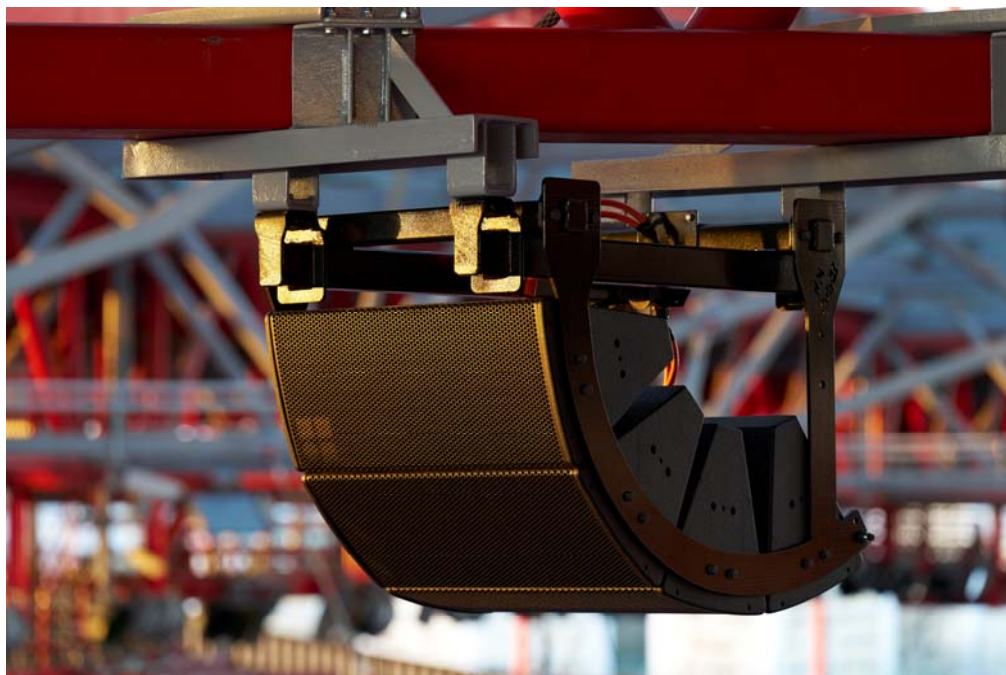
Home to Lisbon's Benfica football club, the Estádio do Sport Lisboa e Benfica – known as the Estadio da Luz (Stadium of Light) – is now providing an unparalleled stadium sound experience, thanks to the installation of the world's first totally cardioid d&b audiotechnik sound system.

Unique for a football stadium, the new system was installed by Portuguese specialist NAN Audiovisuais, as part of a complete refurbishment aimed at achieving a more dynamic standard of utilization for the venue. The operators knew that a new sound system would be imperative – and according to the vision of the club, this would be achieved using the best technologies, facilities, and resources available.

The exceptional standard set by this installation is thanks to the d&b XSL 8 and XSL/12 cardioid line array elements, along with the new XSL- SUB and A-Series augmented array. Together, these produce an even and powerful sound distribution, based around a series of small arrays just 1.7 meters in length. With each array providing more than 60 meters of vertical coverage from the uppermost seat to the very front row, this is one of the most discreet systems ever installed. The impressive broadband frequency control achieved by the cardioid technology of the XSL system minimizes reverberation times, taking intelligibility to a new level, one never achieved before in the stadium.

In terms of technology and performance, the installation placed the Estadio da Luz at the top of the list of worldwide reference venues. It was to ensure that the facility remained as attractive as possible to the public, corporate clients, and promoters, while always meeting the high standards laid down by UEFA and FIFA.

Benfica's technical team, worked closely with NAN Audiovisuais, and d&b's Head of Global EAS, Stefan Goertz. Additional support with the



creation and fine-tuning of d&b ArrayCalc and EASE files was provided by d&b's stadia team, led by Senior Application Engineer, Dominika Obwarzanek.

NAN Audiovisuais director, Luis Vidigal, says, "This was the biggest challenge we have ever taken on, and we had only three months to deliver it in the run-up to Christmas. We are very grateful to our suppliers, including our partners at

d&b audiotechnik, who have helped us to achieve what is possibly the fastest supply and the most advanced sound system installation for any stadium of this size on the planet." He adds, "For this project we had a very simple task to achieve. As the Benfica club leaders put it, 'We are the best team, so we must have the best sound.' So that was our target!"

dbaudio.com

Hög Heaven: Finland's summer of dLive

Helsinki-based Hög specialises in live show design and production, and during the bustling 2023 summer festival season they deployed a remarkable total of 16 dLive Systems across Finland. dLive is Allen & Heath's flagship 128-channel digital mixing platform, and the 16 systems provided by Hög throughout this summer were used for a broad range of live performances, from opening acts to international headliners. Notable Finnish clients during the seasons included pop rock band Haloo Helsinki!, pop singer ABREU, singer and songwriter Behm, and pop band KUUMAA. "I rely on dLive for its exceptional audio quality, and what truly sets it apart is the consistency it brings. With any dLive system, I can ensure that every Haloo Helsinki! show sounds the same." remarked Front-of-House Engineer Perttu Korteniemi. "Sonic brilliance, flexibility, and rock-solid reliability - that's dLive. And as FOH Engineer for KUUMAA, it's my secret to crafting unforgettable Shows" adds Eetu Seppälä. For Finnish electropop artist Sanni, the FOH mix for her live performance was handled on a dLive S3000 Surface, while monitors were handled on an S5000 Surface. "I chose dLive because of its exceptional sound quality and intuitive feel – it's the best tool to make her music shine." Explained Matti Kempainen, FOH Engineer for SANNI.



Sanni FOH Matti Kempainen

allen-heath.com

AV production compant, Revelation, elevates Massachusetts-based projects with EAW®

With a history as a DJ and working in professional audio sales, it's no wonder that Anthony D'Elia now finds himself in AV production. As President and Executive Producer for an audio-visual event production company, Revelation, D'Elia regularly calls on a long reliable and trusted brand for high-quality audio in his field: Eastern Acoustic Works (EAW®). Pulling from his experience in working with EAW, D'Elia and the Revelation team knew the brand could perform for multiple projects they faced this past year,



from the Dream Ride Experience fundraiser and the University of Massachusetts Chan Medical School Commencement to an installation at Medway Community Church and an appreciation dinner event for Worcester Polytechnic Institute. A three-day event to honor individuals with intellectual disabilities, the Dream Ride Experience hosts motorcyclists and car enthusiasts who get to enjoy the scenic views of Farmington, Connecticut, while riding for a cause: The Hometown Foundation Inc. and Special Olympics athletes. Managing the audio for the past eight years, Revelation provided numerous EAW solutions. This year's event, which had multiple stages and systems throughout the grounds, included RSX212 and RSX208L Self-powered Loudspeakers, RSX218 and RSX18F Powered Subwoofers, as well as AC6 ADAPTive Column Loudspeakers and OTTO ADAPTive Subwoofers. Another regular local event for the Revelation team is the University of Massachusetts Chan Medical School Commencement ceremony. Over the past ten years, different configurations involving EAW solutions have been implemented by Revelation. For this year's event, Revelation turned to EAW's AC6 Column Loudspeaker for thorough coverage and a sophisticated look.

eaw.com

Blur stay loyal to DiGiCo for sell-out reunion tour

The triumphant return of 90s Britpop poster boys Blur rocked the music world when they were back together for the first time in eight years to headline two dates at Wembley stadium. Built to exceed the ambitions of touring productions, DiGiCo's Quantum7 was the mixing desk of choice



for the band's biggest ever headline shows. Monitor engineer Dave Guerin and FOH man Matt Butcher are long standing, loyal Blur crew members and DiGiCo users. Back in 2015 when the band were last on the road, the two engineers were working on pair of DiGiCo SD10 consoles which helped them tame the sound at London's acoustically tricky Mode Club – a venue the band chose to celebrate the release of 2015's *The Magic Whip*. This time round, two DiGiCo Quantum7 desks made sure that Blur's return packed as much of a punch as Song 2's instantly recognisable riff. The Quantum7 covers all bases, including functionality and audio performance, and can adapt to large scale stadium shows, as well as more intimate spaces. This was key for Blur's tour, as the shows were switching from small 2,000 capacity venues to the mammoth stages of Wembley, which currently holds 90,000 spectators.

digico.biz

DiGiCo Quantum 225 consoles deliver powerful audio boost to latest Alizzz tour

Cristian Quirante Catalán, better known by his stage name, Alizzz, is renowned in Spain and internationally for his production work, having amassed a distinguished list of accolades that includes the Latin Grammy Award for Best Pop/Rock Song and the Latin Grammy Award for Best Engineered Album. The singer's live shows are further elevated by the expertise of his team, including FOH Engineer Alex Carretero and Monitor Engineer Bernat Oliveras, who both rely on the unparalleled capabilities of DiGiCo's powerful Quantum 225 consoles, supplied by the company Ara So to deliver exceptional sound and functionality.

"Choosing DiGiCo for our latest tour with Alizzz was a no-brainer," recalls Oliveras. "Having had experience with their systems on previous tours, we were well aware that DiGiCo stands unrivalled in terms of both sound quality and functionality, delivering a powerful boost to the artist's performances." Carretero agrees and goes on to emphasize that his primary consideration when selecting a console is the quality of sound it delivers, specifically focusing on tonality and summing. "In my opinion, any DiGiCo console equipped with an SD Rack and 32-bit preamps running at 96 kHz offers one of the best sounds I've ever heard," he says.

digico.biz



KV2 ESR 106

Active Driven 3 Way System

The ESR Series was developed for a particular niche in the market requiring an all-in-one box to provide clear, detailed reproduction over a wide area. Typical applications include theatres, houses of worship, cultural/performance centres and concert halls where they are likely to be used vertically. When mounted horizontally, ESR Series loudspeakers provide excellent coverage over a tiered seating area for stadium or grandstand type applications.

Like its siblings, ESR212, ESR215MkII and ESR215S, the new slimline ESR106 is an active-driven 3-way system. It deploys a unique column array of multiple 6-inch woofers for unparalleled high quality vocal and music reproduction in challenging acoustical spaces and ambient environments.

Utilising 8 x 6-inch woofers, 2 x 6-inch mid bass woofers and a single 1-inch high frequency driver mounted on a wide dispersion horn, the ESR106 is constructed to represent one large

point source, with each part of the system positioned so that it is proportional in size to the wavelength it produces, thus the radiated power of each band remains consistent and balanced throughout the system's overall frequency range. The ESR106 has a controlled coverage at low and mid frequencies to reduce indoor reflections. The low-profile discreet cabinet incorporates multiple fixing points for external brackets and flyware. However, unlike its siblings, ESR106 may only be used vertically.

ESR106 is controlled and driven by its dedicated – and also brand new – ESR2600D amplifier, a two channel (stereo) three-way, active control and amplification system housing all signal processing and amplification in a 4RU module, as well as providing control and crossover functions for adding external subwoofer cabinets if required, utilizing external amplifiers. In stereo mode, ESR2600D powers two ESR106s and is configurable via the front panel or remotely using the KV2 Control & Diagnostics Tool.

Features

- Full range 3 way system incorporating state of the art multiple transducers.
- Multi point fixings for external brackets and flyware.
- True musical solution for speech, vocals and music playback in difficult acoustical environments.

Applications

- Fixed Installations
- Theatres & Auditoriums
- Concert Halls
- Houses of Worship
- **ALWAYS used in a vertical orientation**



PROAUDIO MAGAZINE

EDITOR'S
CHOICE



Click this link for more information at www.kv2audio.com/products/esr-series/esr106.html

JBL Venue Synthesis Acoustic Simulation Software

HARMAN Professional Solutions has introduced JBL Professional's JBL Venue Synthesis acoustic simulation software. This free desktop application lets users design and simulate acoustic coverage and prepare complete JBL sound reinforcement systems for rigging or installation in any environment, at any scale, in both 2D and 3D. Venue Synthesis introduces the ability to run three-dimensional acoustic predictions, simulate acoustic performance for complete systems, and validate equipment for safe, secure rigging. Users can create or import 3D venue models, interact with realistic 3D models of JBL Professional loudspeakers and accessories and predict coverage on any plane for a full system of JBL products. The new application, which replaces JBL's Line Array Calculator, has been designed from the ground up to take advantage of an improved acoustical and mechanical engine and offers ultra-realistic 2D and 3D graphics, featuring accurate renderings of physical rigging components. With Venue Synthesis, it's never been easier to take systems from design to deployment, from making time- and cost-saving planning decisions to running precise predictions to ensuring safe, secure rigging—all in 3D. Venue Synthesis is perfect for tour sound rental companies, venue owners, acoustic consultants and live sound systems engineers who plan and design acoustic systems of any scale.



jblpro.com/products/venue-synthesis.

BSS Audio Soundweb OMNI open architecture digital signal processors, I/O expansion devices and AVX software

HARMAN Professional Solutions has announced its new BSS Soundweb OMNI Series - the next generation in open architecture digital signal processing. Featuring the most powerful processor ever from BSS, Soundweb OMNI caters to the diverse needs of hospitality, large venues, corporate, education and government installations. The Soundweb OMNI family combines enterprise-grade processors, flexible I/O expanders, Dante/AES67 networked audio, an onboard scripting developed by AMX, and a vast library of processing objects, including media playback, AEC, VoIP, and more. The platform is seamlessly managed through AVX Architect and AVX Control, an all-new software suite, built from the ground up to support the latest installed



products from HARMAN Professional starting with BSS Soundweb OMNI, ushering in a new era of installed AV software at HARMAN. Soundweb OMNI features two flagship processing devices, the 512p and 256p, which deliver exceptional DSP power and high Dante/AES67 channel counts, up to 512x512 at 96kHz. This surpasses previous generations and positions Soundweb OMNI to effortlessly meet today's complex demands while remaining future-ready for tomorrow's AV/IT needs. Soundweb OMNI also offers two I/O expansion devices, the 32e and 16e, which provide unparalleled I/O flexibility.

bssaudio.com

Clear-Com introduces Gen-IC Cloud Intercom and SkyPort virtual system management platform

In a strategic move towards virtual technology, Clear-Com® introduces the Gen-IC Cloud Intercom® system, a secure and flexible virtual intercom solution that allows users to easily integrate on-premise hardware with virtual intercom clients. Designed for scalability, Gen-IC Cloud Intercom will be sold through Clear-Com's extensive global network of Reseller Partners and will allow end-users to quickly ramp up multiple virtual clients as needed, with the unique capability of integrating with Clear-Com's extensive hardware infrastructure over LAN, WAN, and the Internet. The issue of latency is especially important for audio comms, and Clear-Com has developed a unique virtual intercom application that can be deployed on selectable regional targets. This minimizes the latency inherent when going virtual by giving administrators the ability to easily deploy Gen-IC Cloud Intercom closest to where teams are doing work. Moreover, Gen-IC Cloud Intercom instances from around the world can be linked, producing the ultimate communication and collaboration tool for mission-critical productions. The system is designed for ease of use and utilizes Clear-Com's award-winning virtual clients, Agent-IC® mobile app and Station-IC™ virtual desktop client, eliminating the need for additional user training. Connections from the virtual clients to hardware ecosystems is achieved through the existing range of Clear-Com LQ® Series of IP Interfaces, with no dedicated interfacing requirements.



clearcom.com

AUDIOFOCUS ARRoCC constant curvature system

AUDIOFOCUS has unveiled its new ARRoCC constant curvature loudspeaker series. Conceived as a complete PA solution for medium throw sound reinforcement scenarios, the ARRoCC system comprises the wide coverage CC210W cabinet and its narrow coverage twin, the CC210N, plus the high-powered 118S compact subwoofer. ARRoCC makes its world debut at Integrated Systems Europe 2024 in Barcelona (booth #7E530 - Jan 30th - Feb 2nd). CC210W and CC210N each house a pair of V-mounted 10" LF transducers with Tetracoil double voice coils for additional power, precision control, improved impulse response and handling of transients. A large 4" titanium diaphragm HF compression driver allows Audiofocus to employ a lower crossover, resulting in better dispersion and control down to lower frequencies. Both cabinets achieve a peak SPL of 135dB and a frequency response of 55Hz - 19kHz. CC210W and CC210N offer 25° x 90° and 12.5° x 90° coverage respectively and can be deployed either vertically or horizontally according to the needs of the event. ARRoCC is the first system to incorporate Audiofocus' 3D printed SEVERIN precision waveguide for rigid definition of coverage patterns, ensuring the optimal listening experience for all audience members. Directivity can be adjusted further thanks to a forthcoming adjustable horn plug option.



audiofocus.eu

nanoNXAMP4 Powered TD Controller

Available in standard and Dante-equipped versions, the 4-channel nanoNXAMP4 and nanoNXAMP4-D deliver 4 x 250W utilising highly reliable, ultra-low distortion Class D amplifiers and SMPS with PFC to provide the same sound quality and sonic signature as NEXO's larger NXAMPMK2 TD Controllers. Processing uses FIR filtering for precise system EQ and linear phase compatibility, with pre-sets available for an edited range of speakers drawn exclusively from NEXO's popular ID and ePS Series.

With a universal mains voltage range of 100 to 240 Volts, the nanoNXAMP4 occupies just half a rack width, increasing channel density. The integrated DSP offers a true 4x In / 4x Out architecture with optional Dante connectivity, all without the need of external processing, leading to significant space-savings over existing NEXO amplifier solutions while also saving cost and reducing cabling.

On-board mixer and matrix functions further reduce the overall cost of smaller installations, with set up and remote control enabled by an embedded web page that can be accessed via Ethernet or integrated Wi-Fi.

4x balanced / unbalanced analogue inputs essentially provide a 'double connectivity' which eases integration of the nanoNXAMP4. Balanced inputs can accommodate a dynamic microphone or professional mixer, while unbalanced inputs are perfect for connecting a Bluetooth receiver, audio streamer or a computer audio output.



The nanoNXAMP4 even includes a ducking and priority function to lower background music while the microphone is in use.

Also on the rear panel, an SPDIF In / Out can be used either as a digital input or to easily distribute a stereo signal across multiple nanoNXAMP4 units. For example, the first nanoNXAMP4-D (Dante version) can connect to the various sound sources in the role of an input matrix, then a digital stereo mix can be shared among multiple units simply by daisy chaining the SPDIF In / Out, keeping a fully digital chain.

A GPIO port adds facilities for an analogue volume control and a 12V trigger In / Out.

And the nanoNXAMP4 doesn't just save money and rack space, it also saves energy, with a sophisticated series of intelligent standby modes helping to achieve a class-leading Energy Star rating.

Wall remote controls are available and can be configured to allow users to select sources and control volume, and the nanoNXAMP4 is compatible with industry-standard remote control protocols including Q-SYS, Symetrix, Crestron, Crestron Home, ELAN, AMX, RTI and Control 4. nanoNXAMP4 is also compatible with NEXO's own NeMo remote control and monitoring software.



RCF ART 7 MK5 Series



Thirty years ago, RCF began their journey to bring music to the masses through portable sound. The goal was simple yet ambitious: to design lightweight active speakers that were not just portable but also delivered audio quality once limited to bulky, heavy speakers. Their most celebrated creation, the 7 Series ART, has since evolved through five generations. Now, RCF proudly unveils its latest refinement: building upon its predecessors' legacy, ART 7 MK5 further elevates the listener's experience, with improved transducers, less distortion, enhanced DSP, and new functionalities. New features include: Redesigned Firmware - Newly tuned presets and settings that take full advantage of the XBOOST algorithm for optimal sound at any volume, Kapton Diaphragms - ART 708-A to ART 715-A models feature new compression drivers with Kapton diaphragms for increased definition, strength, and thermal resistance, XBoost Low-Frequency Enhancer - XBoost increases the depth and richness of ART low frequencies by simply enabling the function from the speaker's rear panel.

rcf.it

RCF DMA 504 Four-channel Matrix Amplifier

DMA 504 is a four-channel Class-D matrix amplifier that provides four power outputs of 500 Watts each. Equipped with a powerful DSP platform, inputs and outputs can be managed in terms of routing and equalization: a complete set of processing functions is available, including PEQ, FIR filters, bass enhancement, limiters, compressors, and environmental equalization. Presets for RCF speakers are available on each channel for optimal acoustic performance and reliability. DMA 504

features a 2 rack units size and accurate design that, together with its environmental robustness, make it ideal for a wide range of applications, from retail stores to bars and restaurants, meeting rooms, education or public facilities, and more in general to any background and foreground music application. The unit is suitable for both desktop or rack installation (dedicated accessory included). Each DMA 504 offers 2 stereo LINE inputs on RCA connectors and 1 MIC+LINE balanced input on removable screw terminals. A mono analog LINE output is also available, with a low pass filter facility for the connection to an active subwoofer. A dedicated paging input on RJ 45 connector allows the connection of up to 4 paging consoles BM 404, interlocked on a single chain, and a wall mount remote control RC 401 can be connected to each output channel to adjust the volume level and select the desired input. \



rcf.it

LD Systems MAUI 11 G3 MIX and MAUI 28 G3 MIX

The MAUI G3 MIX series combines all components for flexible live use: mixing console, effects, dynamics processing, DSP controller, power amplifiers and speakers. The integrated digital 6-channel mixer offers four XLR/line combo inputs for connecting microphones, line devices or high-impedance instruments (Hi-Z available on channels 1 + 2), supplemented by a stereo Bluetooth connection on channels 5 + 6. In addition to the SYSTEM OUT for connecting an additional subwoofer or other equipment, two MONITOR outputs are available for connecting up to two monitors and supplying each monitor with its own mix. Two MAUI G3 MIX can be connected via the SysLink® connection to double the number of channels. The variety of connections is rounded off by a footswitch input for hands-free effects control. The mixer settings can be adjusted manually via the control element on the rear of the subwoofer, as well as fully remote-controlled. For this purpose, LD Systems offers a free app (iOS/Android) for smartphones and tablets, which provides full access to the mixer channels, monitor channels and the comprehensive effects section with reverb, delay and dynamics tools. A parametric 5-band EQ is available. Depending on requirements, the complete app control of the mixer can be operated in Easy or Expert mode.



ld-systems.com

LD Systems TICA® Series



AMP 106 T

AMP 205

AMP 205 AV

AMP 405

LD Systems has launched a brand-new product range specifically for the installation market. The TICA® Series offers compact solutions for any size project that are flexible, easy to install and packed with features that deliver better sound and control. The series includes everything from media streaming and mixing preamplifiers to a range of amps with different channel and power outputs. There are also Dante networked audio interfaces, transformers, headphone amplifiers and control interfaces. Installers can build entire systems using workhorse products from the series, or alternatively, the TICA® Series can be integrated into an existing installation providing additional connections or zones. They're small, functional, single purpose products that are accessible and extremely easy to install. The AMP 205 is a two-channel mini amplifier that combines its compact size with passive cooling and high efficiency. It's powered by a 2 x 50W Class-D amplifier, features 4 ohm outputs and has a user-friendly front panel. The AMP 106 T is a 1-Channel 60W Class-D amplifier that can drive low impedance or 70/100V line loudspeaker systems. Its small form is ideal for installers that are working on projects that have limited space, or where aesthetics are important.

ld-systems.com

Funktion-One launch highly versatile Evolution 2 Loudspeaker

The latest addition to the Evo Series

Evo 2 is a medium dispersion, fully horn-loaded, 3-way loudspeaker, which features the latest Funktion-One driver technology and highly refined tuning.

Evo 2's outstanding performance capabilities and versatile format make it very appealing across a range of live event and install applications, including as a four-point club system or two-wide flown system for medium sized venues. Its manageable size and innovative Butterfly Plate rigging system enable quick and easy deployment. Evo 2 is perfectly suited to ground stacking for small events, flying singly or in pairs for wider coverage and larger audience areas, or used as fills supporting Vero, Evo or Vero VX systems.

Evo 2, which ships in May 2024, can easily be adapted between 3-way active (NL8 tri-amp) or 3-way passive mid/hi (NL4 bi-amp). It is available in standard Funktion-One violet finish or durable black PU coating. A foam backed grille can be added for a more discreet appearance and a custom flight case is also available.

In addition to the Evo 2 launch, Funktion-One is also introducing the new Tour Rack and showcase Projection system design software. Funktion-One's Tour Rack is a compact, shock mounted, amplifier rack that's built for the road. It delivers a comprehensive solution for rental users in need of efficient and effective system control and amplification for Funktion-One systems. Tour Rack houses three high power 4-channel DSP-enabled amplifiers and comes complete with 3-phase mains distribution, comprehensive signal distribution and speaker output patch panels.

Funktion-One's fast and intuitive Projection system design software assists Funktion-One users in designing and optimising arrays for smooth audience coverage and generates detailed venue specific system



information. It has a user-friendly interface and feature set that make designing Funktion-One systems as straightforward as possible.

Projection produces accurate 3D direct sound prediction for Vero, Vero VX, Evo 7 and Evo 6 arrays, with many more Funktion-One products available as single loudspeakers.

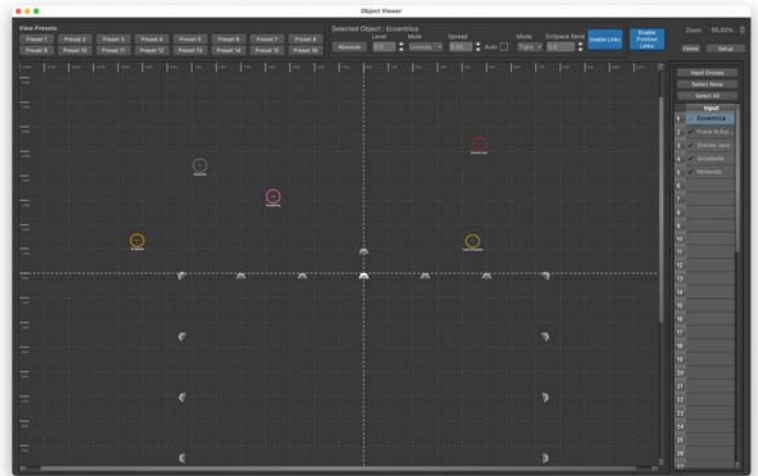


Projection also provides rigging calculations, kit lists and PDF exports of system designs. Funktion-One will demonstrate Projection at ISE and it will be available to download from funktion-one.com later in the year.

funktion-one.com

d&b En-Snap software version 3 enables positioning and editing of Soundscape objects

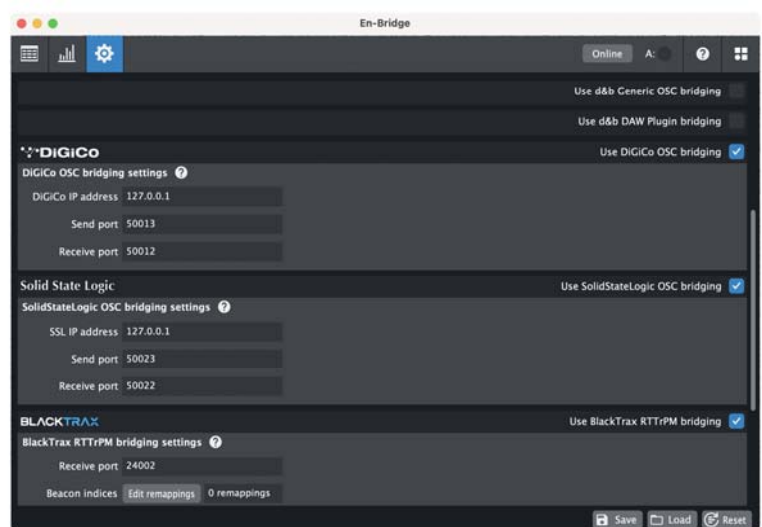
En-Snap, the d&b Soundscape cue automation and show control software provided in collaboration by d&b and Gareth Owen Sound, has been given a major upgrade and is now available to all Soundscape users as En-Snap V3. In addition to a range of new cue automation features and significant show control workflow improvements, the update adds the ability to use En-Snap as a standalone sound object control user interface for FoH for all types of immersive live stage performances using a d&b Soundscape system. The all-new Object Viewer allows users to monitor and control the positions of sound objects directly in En-Snap, within an intuitive workflow that supports positioning and parameter editing for a single object or group selections in absolute and relative editing modes. The ability to organize the visibility of objects, background images, and view sections in user-defined "view presets," combined with options to color objects and assign names, ensures maximum customization. Input groups for quickly selecting multiple objects for mass editing and object linking with multiple mirror modes for group positioning ensure efficiency within the streamlined, user-centric workflow of the new Object Viewer, which is designed (from scratch) for object-based content creation in immersive live applications.



dbaudio.com

d&b En-Bridge software takes Soundscape interoperability with 3rd party systems to the next level

d&b audiotechnik today announced the launch of En-Bridge, a new software tool for the Soundscape ecosystem. With this new software, d&b streamlines the interoperability between the DS100 signal engine and leading third-party systems. En-Bridge is a standalone software available for Windows and MacOS that provides OSC bridging and third-party protocol translation for remote control of Soundscape parameters on the DS100 signal engine. It allows BlackTrax tracking systems to be used for automatic object positioning on a Soundscape system, including their latest BT-1 system, by translating the BlackTrax RTTrPM protocol into DS100 OSC commands and providing additional mapping functionality. For greater efficiency, En-Bridge also delivers a more consistent workflow for Soundscape console control with DiGiCo and SSL consoles, including support for bi-directional communication. This OSC bridging functionality can also be used for generic OSC controllers, allowing any connected controllers to communicate with two DS100s - allowing third-party integration and remote control to be used in redundant DS100 setups for Soundscape.



dbaudio.com

Studio Technologies Model 214A, 215A, 216A Announcer's Consoles



Studio Technologies, manufacturer of high-quality audio, video, and fiber-optic solutions, announces the release of its new Model 214A, 215A, and 216A Announcer's Consoles. The three units are designed to serve as the audio control center for announcers, commentators, and production personnel. The Model 214A, 215A, and 216A incorporate upgraded capability and performance while maintaining compatibility with the well-regarded Model 214, 215 and 216 products. The new units continue to offer excellent audio performance while enhancing reliability and supporting configurations of all features using the STcontroller software application. In addition, the VenueView real-time monitoring features of STcontroller are also supported. The Model 214A, 215A, and 216A Announcer's Consoles are suitable for numerous applications including on-air television sports broadcasting, stadium announcement, and corporate AV. All three consoles are compatible with broadcast and audio system environments that utilize Dante® audio-over-Ethernet technology.

studio-tech.com

Studio Technologies Model 201 Interpreter's Console

The Model 201 creates a complete interpreter position and includes both standard features as well as advanced functionalities that are not typically provided by "off-the-shelf" interpretation equipment. The Model 201 includes the ability to create two independent interpretation audio channels. Configuration choices allow a variety of audio content to be included in the interpretation audio; content that can be automatically muted or dimmed (reduced in level) when interpretation is active. This is especially important for off-site or Internet streaming applications. A dual-channel (stereo) headphone output can be configured to meet the needs of the interpreter. This includes selecting the audio sources, channel routing, and sidetone (confidence) signal operation. A set of buttons and rotary controls allow the user to establish the site-specific operating condition they desire. While the Model 201 can be used by itself to create a simple, single-language interpretation position, it can easily become part of a multi-language, feature-rich application. By utilizing Dante technology, one or more Model 201 units can integrate with other Studio Technologies' products to achieve a sophisticated voice interpretation system.



studio-tech.com

Allen & Heath products available on D-Tools

Allen & Heath, a leading manufacturer of professional audio mixing consoles and digital signal processors, is pleased to announce that its products are now available on D-Tools - a popular software platform for system integrators. Boasting an integrated product library complete with up-to-date specifications and unique dealer-specific pricing, the D-Tools Cloud and System Integrator™ (SI) platforms enable end-to-end management of the systems integration project lifecycle. D-Tools users can now access Allen & Heath's extensive product catalog, featuring popular solutions for live sound, installed sound, and audio production applications. With D-Tools, integrators can easily create proposals, system designs, and project documentation using Allen & Heath's products. The platform also offers field service management for collaboration and project tracking. One of the highlights of Allen & Heath's product range is the AHM series of audio matrix processors, designed to excel in corporate, retail, hospitality and education environments. The AHM series combines the simplicity and set latency of fixed architecture with the flexibility and power of open architecture platforms, allowing integrators to quickly create systems that build from a single boardroom to a complete campus.



allen-heath.com

Prism Sound's DREAM ADA-128 Converter now with Ginger Audio GroundControl Sphere Software

UK manufacturer Prism Sound is collaborating with software developer Ginger Audio to optimise Ginger Audio's GroundControl Sphere into Prism Sound's recently released Dream ADA-128 modular audio conversion system. This exciting development gives Dream ADA-128 customers access to comprehensive speaker management alongside the high-quality audio for which Prism Sound is renowned. Hailed as the perfect solution for any surround or immersive audio set up, GroundControl Sphere is a professional multichannel audio routing and control room software that accepts up to 128 different inputs and outputs from mono to 9.1.6. Ideally suited to audio facilities tackling music mixing and mastering in immersive formats such as Dolby Atmos, GroundControl Sphere allows users to switch between different loudspeaker configurations with ease. It can also be used to tackle speaker tuning and room correction using Sphere's independent level adjustment and delay line - and thanks to its compatibility with AVID EUCON it can be used with any Digital Audio Workstation and AVID control surface.



prismsound.com

Nembrini Nexus - Subhost / Standalone Plugin Host

Nembrini Audio releases Nexus, an audio processing tool which brings the power of high-quality sound manipulation to both standalone and plugin format. Highly versatile, Nexus can operate as a Subhost where it brings together other plugins in VST, VST3 and AU format, or it can be used as Standalone, where it can work as a plugin within a DAW or as a separate application. Plus, its Third Party Plugin Support means it can recognise and load third-party plugins giving users easy access to a wide range of external audio processing tools and thus a wide ranging creative sound palette. Nexus' user friendly interface allows users to seamlessly integrate a variety of audio plugins, giving them the ability and freedom to easily craft complex audio chains to shape their sound. The application's intuitive network of modules which includes effects, signal splitter, mixer, crossover, etc, ensures musicians can customize their audio experience effortlessly. Central to Nexus is The Canvas interface, where users can graphically manage audio signal paths and plugin configurations. It serves as a visual mapping area for constructing and modifying audio processing chains. This is supported by the Plugins Manager where audio processing modules can be organised coherently to make management and locating of plugins very simple. It gives a clear and comprehensive view of installed plugins with details of format, category and version to help streamline workflow.



nembrinaudio.com

PMC PMC power 750-8 Multichannel Amp



UK manufacturer PMC has launched a new multichannel amplifier specifically designed to meet the needs of the professional immersive audio and home cinema markets requiring multiple speakers. Designed to power any passive PMC speaker, this 2U rack-mounted amplifier is particularly well suited for use with PMC's Ci series of slimline monitors, which are now widely used for surround and ceiling channels in Dolby Atmos professional and home cinema installations. The PMC power 750-8 is an eight-channel amplifier that combines exceptionally transparent and neutral sound with a massive power output of 750 watts per channel. When bridged and configured as a four-channel amplifier, the power 750-8 can deliver 1,500 watts per channel from a unit that only occupies 2U of rack space. In addition, the power 750-8 also offers fully featured DSP control for each of the eight channels. Inputs are selectable/switchable as either balanced analogue or Dante. Adjusting EQ for each channel is also incredibly easy thanks to System Engineer software that can be installed on any Windows computer to control and set up any number of amps. This powerful yet intuitive software gives a full toolbox to allow users to configure each speaker to deliver its best performance according to room acoustics and position within the room.

pmc-speakers.com

L-Acoustics LC16D Multichannel Network Audio Converter



L-Acoustics announces the release of the LC16D network audio converter, designed to simplify the process of interfacing legacy digital formats with the Milan AVB time-sensitive network. LC16D is a high-capacity AES/EBU- and MADI-to-Milan AVB audio network converter housed in a compact and rugged 1RU chassis. With up to 80 legacy format inputs and outputs, LC16D can interface with up to 128 channels to and from the network. It offers dynamic mapping of audio channels and comprehensive synchronization options, all controlled via an intuitive, embedded web interface. LC16D features flexible power options, with the innovative use of Power over Ethernet and seamless Milan AVB audio connections, providing robust redundancy features as standard. LC16D is simple to use; the embedded web interface enables full control and monitoring from any device with a web browser and internet connection. The ten user configurations make storing and loading different channel mappings easy, while comprehensive clocking options make synchronization effortless and distribution of clock sources across connection formats possible.

l-acoustics.com

L-Acoustics Xi Series

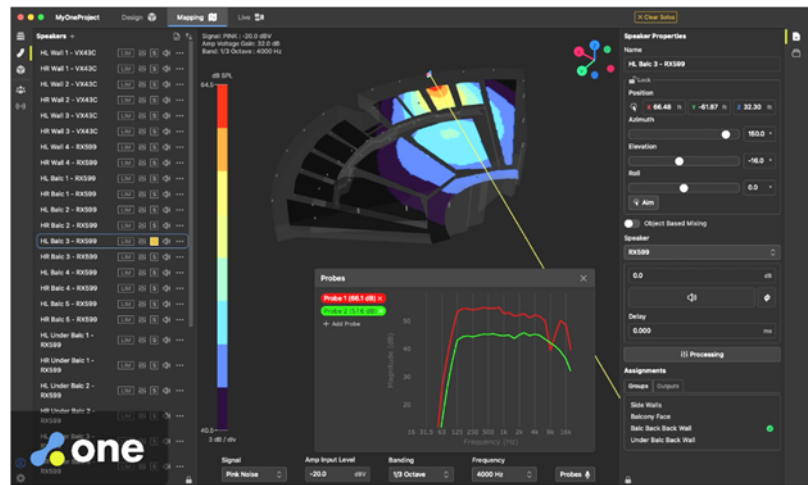
The Xi Series offers a range of installation-focused coaxial enclosures with distinct formats, bandwidth, and SPL specifically tailored for short throw applications. These enclosures provide pristine sound quality and discreet design, allowing them to integrate elegantly into venues requiring natural and powerful sound. One of the key features of the Xi Series is its coaxial technology, which allows for a compact design and constant tonal balance over distance. This technology ensures smooth coverage for off-axis audiences, eliminates the need for a minimum listening distance, and provides high feedback rejection. With an exceptional bandwidth-to-size ratio, the Xi Series boasts L-Vents to deliver clear low-frequency power and features a weather-resistant IP55 rating, making it suitable for indoor and outdoor installations. The X6i and X8i feature slender, streamlined designs that seamlessly integrate into high-end architectural settings while providing clear, studio-like sound. These passive loudspeakers boast a 1.5" neodymium compression driver coaxially loaded by a 6" or 8" low-frequency transducer in a bass reflex cabinet. The 90° axisymmetric directivity imparts a smooth tonal response, free of secondary lobes over the entire frequency range.



l-acoustics.com

Fulcrum Acoustic Fulcrum One - Comprehensive Software for Sound System Design

Fulcrum Acoustic proudly introduces Fulcrum One, an innovative system design and simulation software available for Windows and Mac. This comprehensive software environment streamlines the design, deployment, and management of both traditional sound reinforcement and immersive audio systems within a single, user-friendly interface. The all-in-one nature of Fulcrum One saves time, reduces the need for multiple software applications, and caters to the needs of diverse audio projects. Incorporating the Fulcrum Acoustic loudspeaker catalog, Fulcrum One enables users to accurately plan and position loudspeakers within a 3D venue model. The software will also facilitate the creative design of active acoustics and object-based mixing components for immersive audio installations powered by the Fulcrum Immersive Venueflex processor. A key feature of Fulcrum One is its acoustic simulation capability, which empowers users to accurately predict how their sound system designs will perform in real-life settings. Its rapid processing power enables near real-time calculations for loudspeaker coverage mapping and maximum SPL visualization. Fulcrum One also offers advanced optimization for line array configurations, signal processing, and system equalization.



fulcrum-acoustic.com

DPA 2017 Shotgun Microphone

Measuring just 184mm (7.24 inches) in length, the 2017 offers impressive technological features in a compact form. Designed to be a dedicated, optimized live sound or broadcast microphone, the 2017's durability, ease of use and leading acoustical properties allow it to capture the energy of any event while providing exceptional value for professionals. Its focused versatility means the 2017 performs well in a theatre or concert setting on a FOH boom or fly bar or as a crowd pickup for in-ear monitoring during live musical performances. Designed to endure extreme weather and mechanical impact, the 2017 will hold up to travel and repeated use in harsh environments — meaning it will stand the test of concert touring and music festivals. This includes humid conditions and direct rain showers; dry, arid environments; temperatures up to 113°F (45°C) or as low as -40°F (-40°C). With a consistent ability to easily withstand the effects of moisture, the 2017 ensures that any musical event can go live with incredible sound, no matter the setting or forecast. Featuring a specifically designed capsule that is perfectly paired with a cutting-edge interference tube and microphone grid, the 2017 offers outstanding performance, both on- and off-axis. It has a high degree of off-axis rejection, which permits the main source to stand out. This heavily attenuated off-axis audio is authentic and extremely usable for mixing into the entire soundscape. Audio professionals can now pick up accurate, clean sounds from even the most minute sources—the clapping hands of a musician or a singer's voice against a loud crowd, as well as loud, ambient audio when preferred. For quieter environments, such as acoustic shows or operas, the 2017's low self-noise promises just as excellent a performance, even in the presence of many open microphones.



dpamicrophones.com

KRK CLASSIC 5 Monitor Pack

With proven performance built on decades of successful studio monitoring, the KRK CLASSIC 5 Studio Monitors have become an industry staple for budding producers and seasoned mix engineers. Now, it's even easier for users to get their hands on a CLASSIC with the introduction of the all-new KRK CLASSIC 5 Monitor Pack: a comprehensive package featuring a pair of KRK Classic 5 monitors, two XLR cables, and two wedge isolation pads for just \$299. Available online at krkmusic.com and through select dealers, the CLASSIC 5 Monitor Pack provides tried, true, and reliable KRK sound in a hassle-free ensemble. Additionally, the CLASSIC 5 monitors offer Volume, HF, and LF level adjustments to tailor the monitors to any acoustic environment and fine-tune the monitoring level. Class AB amplification with region-specific linear power supplies produces 50 watts of power, with a 30-watt amp driving the woven glass fiber woofer and a 20-watt amp for the soft dome textile tweeter.



krkmusic.com

Audio Precision APx516B Audio Analyzer



Audio Precision, a brand of Axiometrix Solutions, today launched the new APx516B audio analyzer. Tailored for R&D, production testing, and other audio engineering applications, the APx516B offers comprehensive analog and digital audio testing in a versatile and affordable package. Digital audio has become an integral component of modern audio devices. From smartphones to AV receivers, the digital transition is evident. The motivation for this shift is clear: higher fidelity sound, advanced features, and the ability to convey more data than traditional analog methods. As of 2022, more than 75% of new audio devices have adopted some form of digital audio I/O. A standout feature of the APx516B is its capability to bridge analog and digital audio testing, reflecting today's diverse audio landscape. It's backed by Audio Precision's reputation for precision and affordability. With a 3-year standard warranty, optional 5-year extension, and ISO 17025 accredited calibration, the APx516B is set to be a game-changer.

ap.com

EAW® LA Series

The LA Series - a 2-way, self-powered loudspeaker featuring EAW's signature performance in a portable and lightweight package. Designed around high-quality transducers, the LA Series consists of four models, the 12" LA121 and LA123, and the 15" LA151 and LA153. Performance versions LA123 and LA153 utilize a 3" voice coil compression driver providing higher output, crisper highs and clearer vocals. All four models weigh less than 50 pounds individually and the asymmetric pattern of the horn maintains high frequency directivity where required, eliminating unwanted reflections in the venue. The lightweight and durable enclosure has been meticulously designed to eliminate any resonance within and houses on-board bi-amplified electronics (1500W). It utilizes large asymmetric ports designed to maximize sensitivity, neutralize internal reflection and minimize chuffing. These produce exceptional bass response from a full range cabinet. EAW's Focusing™ and Beamwidth Matched Crossovers provide unmatched clarity and accuracy, while DynO™ digital signal processing also allows LA Series to provide clear and dynamic sound.



eaw.com

LAVOCE adds 15" to CSF RANGE

Lavoce Italiana, the transducer company with a heritage of over 35 years designing and manufacturing high performance HF and LF loudspeaker transducers, are excited to present CSF153.00K, a new 15" ferrite common HF/LF magnet coaxial. CSF153.00K has a 700W Program power handling and 98dB sensitivity for the LF and 120W Program power handling and 108dB sensitivity for the HF. The LF woofer uses a 3" edgewound copper voice coil on a glass fiber former and the Polyimide diaphragm and surround employed for the HF uses a 1.75" edgewound copper-clad aluminium voice coil on a Kapton former. This combination offers a wide frequency range of 50-20000Hz with low harmonic and intermodulation distortion due to the addition of double demodulating rings. As will all the five models in the current CSF range (6.5", 8", 10", 12" and now 15") each design uses component parts from LAVOCE's industry-leading range of compression drivers and feature a single ferrite magnet, low distortion 'dual gap' motor.



lavocespeakers.com



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