

# PROAUDIO

ISSUE 36 | NOV-DEC 2023

LIVE . TOURING . INSTALL . RENTAL . IMMERSIVE . BROADCAST . STUDIO



## Anne-Marie relies on Sennheiser Digital 6000 for unparalleled audio



Neumann MCM: The preferred microphone by South Korean musicians



Loud & Clear 2023 in The Art House



Electrifying sound by KV2 for Electric Bay festival's second edition

# SL Series

The slimline SL Series  
beloved of clubs and theatres the world  
over for its ultra-discreet profile  
and powerful performance.



[kv2audio.com/sl](http://kv2audio.com/sl)

**KV<sup>2</sup>**  
*audio*



▶▶ NEUMANN.BERLIN

THE REFERENCE – SINCE 1928

# The end of compromises.



Finally, you can have Neumann quality throughout, from the sound source to your ears. Developed with our friends at *Merging Technologies*, the MT 48 is the new state of the art in audio interfaces, offering four times the resolution of competing devices. For all its sophistication, the MT 48 is a joy to use. Adjust levels, EQ, dynamics and reverb via an intuitive touchscreen interface – for monitor mixes that inspire your creativity.

- ◆ 4 analog inputs, 8 analog outputs, ADAT/SPDIF I/O, AES67
- ◆ Premium preamps with up to 78 dB gain
- ◆ Record with or without DSP FX – or both at the same time!
- ◆ Best in class headphone amps: powerful, ultra low impedance

<https://MT48.neumann.com>



# EVERSE 8

WEATHERIZED BATTERY-POWERED LOUDSPEAKER WITH BLUETOOTH® AUDIO AND CONTROL

**121 dB**  
SPL  
MAXIMUM

## REAL PRO-AUDIO PERFORMANCE

EVERSE 8's superior sound quality, output capacity, and wide, even coverage is unmatched by any other battery-powered loudspeaker available today. The difference is clear to hear via an 8" woofer mounted using EV's patented SST (Signal Synchronized Transducers) port design, and a high-output titanium tweeter mounted onto a custom constant-directivity waveguide. System reliability is verified with over 500 hours of music abuse and endurance testing. Decades of pro-audio

UP TO  
**12 HRS**  
OF RUN TIME\*

## BATTERY-POWERED CONVENIENCE

EVERSE 8 is powered by a custom-designed high-capacity Li-ion battery pack, fully optimized for audio use and providing plentiful power for up to 12 hours of run time. Protection circuitry reduces the risk of your battery discharging to such a low voltage that it can no longer be recharged – for example, after long periods in storage. Tool-free screws make removing the battery pack effortless. Uncompromising sound quality,

**IP43**  
WATER  
RESISTANT

## ROBUST WEATHERIZED DESIGN

The combination of a rugged polypropylene enclosure and an included weatherized input cover allow EVERSE 8 to meet the IP43 rating (water resistant for splashes and light rain) for use while on battery power and when Bluetooth® streaming. Built-in feet with no-skid rubber pads ensure the system stays put. Bring EVERSE 8 outside for busking, marching band practice, or the backyard BBQ – wherever you need a PA, whatever the forecast.



Cover Photo © Ben Foster

CLICK ON ICON TO VIEW OUR SOCIAL MEDIA PAGES



## Contacts



**Clarence Anthony**  
Managing Editor



**Sridevan Srinivass**  
Editorial Consultant

Clarence Anthony : [Clarence@caeditorial.com](mailto:Clarence@caeditorial.com)

Sridevan Srinivass : [Sonicguru.avltimes@gmail.com](mailto:Sonicguru.avltimes@gmail.com)

Published by C.A. Editorial Consultants

Design & Production by C.A. Editorial Consultants

Digital Marketing / Circulation by byte.ME

**Disclaimer:** All rights reserved. No part of this magazine or content may be reproduced or used without the written permission of the publisher: C.A. Editorial Consultants. All information contained in this magazine is for information only, and is, as far as we are aware, correct at the time of going to press. The views, ideas, comments, and opinions expressed in this publication are solely of the writers, interviewees, press agencies, and manufacturers and do not represent the views of the editor or the publisher. Whilst every care is taken to ensure the accuracy and honesty in both editorial and advertising content at press time, the publisher will not be liable for any inaccuracies or losses incurred. Readers



are advised to contact manufacturers and retailers directly with regard to the price of products and services referred to in this magazine. If you submit material to us, you automatically grant C.A. Editorial Consultants a license to publish your submission in whole or in part in all editions of the magazine, including licensed editions worldwide and in any physical or digital format throughout the world.

## Loud & Clear 2023 in The Art House



Bosch Security & Safety Systems, Business Unit Communications Singapore held its "Loud & Clear" event at Singapore's iconic The Arts House, which spoke volumes about integration. On September 21st, the team gathered with their partners Spectrum AV, Extron, and Cisco to improve user experiences.

The morning session is mostly focused on consultants, and the afternoon session is primarily aimed at rental partners. Vincent Chua, the Managing Director at Spectrum AV, shared insights on AV Solutions for Intergration with Bosch, EV, Dynacord and other 3rd Party Products. He extended an invitation to the event's participants to explore various spots within the venue to witness the seamless integration of these systems in action. These stations showcased the synergy between Cisco and Bosch's technology; Extron control solutions in conjunction with Bosch, and the synchronization of Planar/Leyard LED displays with the Bosch conferencing system.

Jeremiah Joseph, Sales Manager, discussed the ease of integration using Electro-voice, Dynacord & DICENTIS wireless conferencing system. This was further elaborated with a demo letting the attendees experience the different range of Electro-voice and dynacord solutions. Extron Sales Director Daniel Poh explained how Bosch-Extron integration simplifies meeting control.

Cisco introduced AI-powered video bars and Webex quick translation software to boost remote conference attendance. Vincent advised buyers on important LED videowall considerations. During the afternoon session, Ronnie Lai, Applications Specialist, demonstrated the user-friendly features of Dynacord SONICUE and Electro-Voice PREVIEW loudspeaker software design tools. Participants also had the opportunity to engage in a "hands-on" session to gain firsthand experience of the software after which a short demo session was displayed on the Electro-voice X1Line array system and the power efficiency of the Dynacord amplifiers



[www.boschsecurity.com](http://www.boschsecurity.com)  
[www.electrovoice.com](http://www.electrovoice.com)  
[www.dynacord.com](http://www.dynacord.com)

## Clear-Com welcomes Terence Chan as new product manager for Matrix products



Clear-Com® is pleased to announce the appointment of Terence Chan as its newest Product Manager, based out of the company's Cambridge, UK office. Terence will be responsible for the user experience and success of the company's matrix intercom systems (for example, the Eclipse® HX Digital Matrix).

Eager to meet with Clear-Com customers and learn more about their workflows and relationship with their existing systems, Terence comments, "I look forward to learning more about the methodology of generating such a bridge between technology and market," he says. "Because to me, what makes a professional successful is their way of working, and having the right methodology can always drive the product to success. So, I look forward to learning more about use cases to see how best I can help customers in that way."

Vice President of Product Management, Simon Browne, says, "I am delighted that Terence brings to the position a wealth of product management knowledge, and his design experience with advanced devices and their user interfaces will allow him to drive innovation and user experience for the Clear-Com products to come."

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

## Adam Hall Group appoints Joint Venture Audio Visual and Lighting Inc. as exclusive distributor for the Philippines



Oliver C. Yulo, President of Joint Venture Audio Visual Lighting Inc., Hanzhel Joseph Dizon, President of Systech Lighting & Controls Inc., Markus Jahnel, COO of ADAM HALL, James Philip Mccranie, General Manager at Joint Venture Audio Visual Lighting Inc., Alessio Foti, Global Business Development Manager at ADAM HALL

The Adam Hall Group continues to expand its international distribution network. With immediate effect, Joint Venture Audio Visual and Lighting Inc. will take over the exclusive distribution of Adam Hall Group's own brands LD Systems, Cameo, Gravity and Palmer in the Philippines. The event technology provider with headquarters in Neu-Anspach, Germany, thus gains another distribution partner for the important APAC region.

Joint Venture Audio Visual is a corporate merger of several companies, including full-service provider Systech Lighting and Controls Inc. Under the umbrella of Joint Venture, Systech will represent the AVL brands of the Adam Hall Group in the Philippine market.

"We are pleased to add one of the largest event technology manufacturers in the world to our distribution

portfolio with the solutions of Adam Hall Group," explains Oliver C. Yulo, President Joint Venture Audio Visual Lighting Inc. "Since the end of the Covid pandemic, the APAC region has been one of the fastest growing markets ever. Together we will implement numerous interesting projects and further increase the awareness of the Adam Hall Group brands in the Philippines."

Glenn Lin, Business Development Manager, Asia Pacific: "Joint Venture is the leading distributor for the AVL sector in the Philippines. With separate subsidiaries for MI/Retail, Install and Hospitality, the large team offers ideal conditions to perfectly match our diverse portfolio to the different target groups."

[systechlc.com](http://systechlc.com)  
[adamhall.com](http://adamhall.com)

## Artmix invests in JBL Professional tour sound system



Seoul-based live production company, Artmix, has invested in a new JBL Professional Tour sound system as well as amplifiers from Crown. Both product brands, owned by HARMAN Professional Solutions, have a long-standing reputation for performance excellence and reliability.

The JBL sound system which includes 96 units of the VTX A12 dual 12-inch line array loudspeakers, 48 units of the VTX A8 dual 8-inch line array loudspeakers and 48 units of the VTX B28 dual 28-inch subwoofers, will allow Artmix to continue taking on large-scale projects such as music festivals and concerts. Artmix acquired their new sound system through TechdataPS, HARMAN Professional's authorized distributor for Korea.



"The delivery of such a large-scale sound system to the largest rental company in Korea is significant and officiates the beginning of a business partnership between TechDataPS and Artmix," commented My Boyoung Oh, Vice President of TechDataPS. "Artmix has solidified its position as the best touring rental house in Korea and their confidence in the VTX A Series is a testament to JBL Professional's superior quality and functionality compared to its competitors."

Established in 2002 as a pro-audio equipment rental house, Artmix has grown into one of Korea's leading entertainment and systems integration companies, with a fleet of 40 capable audio engineers and an impressive roster of K-POP artists who engage their live concert production services. "Artmix engineers have a lot of experience using premium systems on K-POP tours overseas. JBL VTX systems are one of them, and they've always

sounded great," shared Mr Jun Park, Executive Director of Artmix. "I would say that the VTX A-Series is comparable to other premium products in terms of design, rigging tools and setup processing. The VTX A-Series is a very reliable speaker system and you can be confident in the sound quality."

The JBL Professional VTX A Series features proprietary JBL woofers and their latest-generation high-frequency transducer and waveguide technology, provides unmatched performance, efficiency and a patented JBL rigging mechanism and redesigned suspension system streamlines deployment and setup.

"We are thrilled to welcome Artmix to the JBL Professional Tour Sound family. It is an exciting opportunity to have the concerts of some of the world's biggest artists in K-POP powered by our cutting-edge VTX technologies," beamed Amar, VP & GM of HARMAN Professional APAC. "The combination of JBL's unrivalled sound quality and the professional production capabilities of Artmix will offer audiences inspiring new live experiences."

[pro.harman.com](http://pro.harman.com)

## HARMAN Professional Solutions EMEA appoints new audio distribution partners in Italy



**EXHIBO** S.p.A.  
COMMUNICATION SYSTEMS

**adagio**  
italia

BY HOLMUSIC

HARMAN Professional Solutions, the global leader in audio, video, lighting, networked AV and control systems, today announced a new partnership with Exhibo S.p.A. and Adagio Italia for audio distribution responsibilities in Italy. Exhibo will take responsibility for JBL Professional, Crown, Soundcraft, BSS, Lexicon and dbx branded products alongside its current distribution of Martin lighting while Adagio has been appointed for distribution of AKG.

Effective January 1, 2024, Exhibo S.p.A. and Adagio Italia will take over the sales and services of all HARMAN Professional brands audio brands from Leading Technologies. Located in Milan, Exhibo is well-equipped to provide Italian customers and integrators with premium service and high-level expertise on HARMAN products.

Located in San Benedetto del Tronto, Adagio Italia will harness its strengths in the retail, live and recording markets to connect the AKG brand even more closely with its customers.

These partnerships are a major step forward in HARMAN's mission to reach more customers than ever and provide best-in-class audio solutions throughout all of Europe.

"I am delighted to see these new partnerships in Italy," said Mark Bailey, Harman Professional's Director of Audio for the EMEA region. "Leveraging Exhibo's 60+ years of experience along with the strength of the Harman Pro portfolio provides a unique opportunity in the Italian market across retail, installation and touring. In addition, Adagio Italia's strength in the recording and retail markets will take our iconic AKG brand to new heights."

Leading Technologies will continue to supply HARMAN Professional products through December 31, 2023. To ensure a smooth and natural transition, representatives from Exhibo and Adagio Italia will be contacting Italian customers in advance of the January 1 start date. Starting today, customers can work directly with Exhibo and Adagio to set up accounts, establish credit lines, meet personnel and more. HARMAN Professional thanks Leading Technologies for their many years of hard work and dedication to our brands, and we wish them well in their ongoing business. We look forward to collaborating with Exhibo and Adagio Italia to further develop the Italian market in the New Year.

[pro.harman.com](http://pro.harman.com)

## TT+ Audio names Andy Magee as new Business Development Manager for UK Division



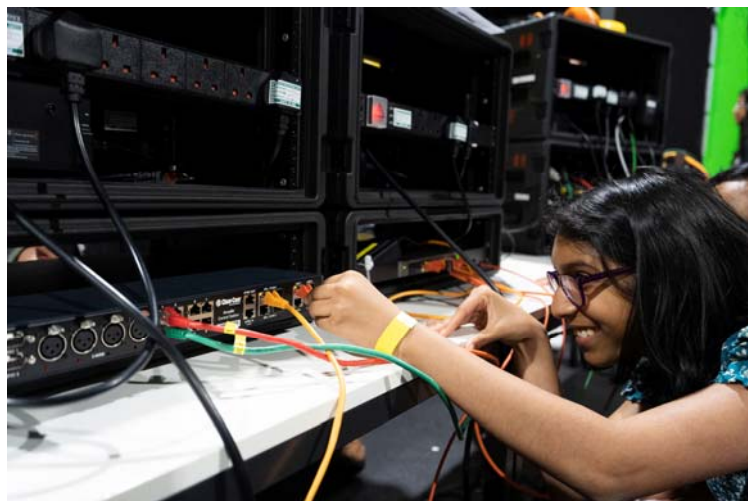
TT+ Audio, a leading manufacturer of professional audio equipment, is pleased to announce the appointment of Andy Magee as Business Development Manager for the brand's UK division. In this role, Magee will be responsible for developing new business opportunities and managing key client relationships in the UK. He brings over 20 years of experience working in professional audio, having started as a front-of-house sound engineer at the age of 17. Most notably, Magee spent the last decade as the FOH engineer for award-winning singer-songwriter Ben Howard. His other notable credits include handling audio for aspects of the 2012 London Olympics and his recent collaboration with Glass Animals.

"We're thrilled to welcome Andy to develop the new TT+ Audio brand," said Dean Davoile, UK Director of sales of RCF and TT+ Audio. "His deep knowledge of the industry along with his strong technical expertise makes him the ideal person to highlight the key features of our new TT+ Audio GTX system to our customer base and strengthen our presence in the touring industry."

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



## Clear-Com supports second annual Rise Up Academy Summer School



Clear-Com® is proud to have supported the second annual Rise Up Academy Summer School at the Global Academy in London, UK from July 25-28, 2023.

For this year's event, Clear-Com provided their award-winning Arcadia® Central Station, a scalable IP intercom platform integrating FreeSpeak® Digital Wireless and HelixNet® Digital Partyline systems and a range of IEM headsets and accessories.

One highlight of the academy was a practicum for students to build a TV studio and production facility, produce, and participate in their very own game show, 'Rise Up!'. Assisted by volunteers from the media industry, students received hands-on experience with the Arcadia intercom system and learned how essential a flexible intercom system is for production – from the camera operators to the game show host and all crew members in between. They also immersed themselves in the

sound, video, graphics, and director/producer positions to fully understand how each role is integral to the entire production environment.

Clear-Com's Senior Systems Consultant for EMEA, John Sparrow, was on-site again this year as team leader for the studio build on two of the sessions. "I've been supporting Rise Up as they visit various University Technical Colleges in the UK since before the pandemic," he said. "It's always a thrill to see the student's faces light up when they get a grip on the hardware and software involved in producing a TV show."

Co-Founder and Chair of Rise Up Academy, Andy Beale, adds, "Delivering these events is only possible with the incredible support of our partners, including Clear-Com who provided both sponsorship and comms equipment. Without them, we would never be able to get our message across to so many young people."

Clear-Com is a longtime supporter of Rise, a nonprofit organization that supports women in the media and entertainment technology sector with the mission to ensure a diverse, gender-balanced workforce across engineering, technical operations, sales, marketing and business roles. Clear-Com is a corporate sponsor of Rise and is sponsoring the Product Innovation Award for the 2023 Rise Awards.

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

## In Concert Production turns to Pliant Technologies for new intercom division, ICP Comms



With some of the most experienced engineers and technicians in the southeastern United States, In Concert Productions (ICP) has been on the forefront of technology and service for many years. While the company was built on providing expert sound production and audio services, ICP has quickly scaled into a full-service event production company, recognized as the go-to solution in the Atlanta region and beyond. Due to its on-going success, In Concert Productions has announced its new comms division, ICP Comms. With this, the Georgia facility's climate-controlled tech space will now include new state-of-the-art comms gear, including a variety of products from Pliant Technologies. Tasked with building out the new division, VP of Business Development Jim Fay was responsible for choosing the new comms equipment. As a long-time fan and user of Pliant Technologies, he knew that he could, without a doubt, count on the brand's CrewCom Intercom System. "CrewCom was an easy choice for me because I've used it so many times. We bat 1,000 with it every time we use it, and there's not too many products I can say that about," says Fay. "It operates in the 900MHz band, which you're more likely to have success with than you are with any of the other products out there right now."

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

## Genelec joins forces with Broadcast Professional to strengthen APAC distribution network



Genelec – the world leader in professional loudspeaker solutions – has further strengthened its distribution network in the APAC region through the appointment of Broadcast Professional Pte Ltd as its new distribution partner for Singapore and Malaysia, with responsibility for Genelec's entire range of Studio, AV and Home Audio products across the two territories.

Founded in 1983 and currently celebrating its 40th anniversary, Broadcast Professional started life in Singapore as a subsidiary of Studer AG, serving the growing needs of the broadcast and recording industries across the region. Since then, it has widened its services to include broadcast and streaming services, as well as the creation of Immersive Experiences. With a unique combination of people, services and technology, Broadcast Professional is committed to ensuring better outcomes for its customers by speaking the language of the industry.

**Genelec International Sales Director Ole Jensen comments:** "APAC has been a key strategic market for us for many years, and having already established our own subsidiaries in China and Japan, the partnership with Broadcast Professional is a natural step in building

our presence and delivering further growth across the region. With its strong focus on technical excellence and providing an unrivalled customer experience, Broadcast Professional's values correspond perfectly with our own – and we're extremely excited about the potential that we can unlock together."

**Joseph Ho, Director, Broadcast Professional, shares:** "As a company, we're constantly seeking opportunities to expand the range of products and services that we offer our clients. Therefore, when discussing a partnership with Genelec in Singapore and Malaysia, the decision was straightforward – and we look forward to collaborating with Genelec to develop this market."

**Gary Goh, Group CEO, Broadcast Professional, adds:** "We're pleased to announce this strategic partnership with Genelec, a company with a long heritage of excellence. This collaboration unlocks the potential of great synergy between our organisations and perfectly aligns with our vision of providing our valued clients with industry leading solutions."

[genelec.com](http://genelec.com)  
[broadcastpro.com.sg](http://broadcastpro.com.sg)

## South Africa blown away by L-Acoustics A Series



DWR Distribution recently hosted L-Acoustics A Series Demonstrations in South Africa's three major cities and was grateful for the welcome turnout from an industry eager to experience exceptional audio technology and to meet up with like-minded individuals.

The roadshow, held at the Roxy Revue Bar at the GrandWest Casino and Entertainment World in Cape Town, the Olive Tree Church in Durban, and at DWR's offices in Johannesburg, was headed by DWR's Richard Smith and Jaco Beukes. "The A Series was launched around the time of Covid-19, which made it difficult to physically get people to hear it," Richard explains. "We sold some just before lockdown, but things slowed during the pandemic. More recently, we felt that it would be a nice opportunity for the industry to hear the system firsthand and to have a bit of a social gathering!"

Visitors were introduced to rigging the system and shown how different configurations look. There was also a chance for them to meet the DWR team which also included Johnny Scholtz, Jaques Pretorius, and Michael Taylor-Broderick.

"I was very happy that so many people attended all three events," Richard concludes. "Many old friends came by,



some of whom I haven't seen for many years, which was great. Lots of rental companies, Houses of Worship, theatre clients, and a good cross-section of the industry came to have a listen. Everyone was blown away, and I don't think that there was a single person who walked out who was not impressed."



## Pittman Media Group delivers unrivalled audio clarity to its customers using EAW



As a leading live events, systems integration and production company, Pittman Media Group is committed to going above and beyond to provide its clients with high-quality, reliable AV production solutions. To deliver pristine, crystal-clear audio—whether it be for a small, intimate gathering or large-scale events—the team at Pittman Media Group has come to rely on a selection of products from Eastern Acoustic Works (EAW®).

For Pittman Media Group President and Owner Zack Pittman, the decision to use EAW was an easy one. “We first began looking to invest in EAW back in 2018 and were immediately impressed,” he says. “EAW has always been focused on making really good sound. The ease of use of EAW’s gear is second to none, and we were excited to add them to our inventory.”

Pittman Media Group currently has 24 NTX Series dual 10-inch powered line array loudspeakers, 12 SBX dual 18-inch high-output subwoofers and multiple RSX Series self-powered point source speakers in stock for its clients’ projects. “I love that our EAW gear is active powered,” adds Pittman. “Having Dante as well as DSPs built

into the box without adding much more weight per box was incredibly appealing. The same goes for having amplification built into it without needing to worry about heavy speaker wire going up to the truss. Our EAW gear simplifies setup time and it also sounds great. The ability to easily zone delay is also fantastic.”

Another selling point for Pittman Media Group was the flexibility of EAW’s speakers. According to Chad Clark, Pittman Media Group Sales and Client Relations, “one of the reasons we invested in the NTX boxes was their ability to adapt to our various needs. The fact that the NTX boxes are big enough to handle a decent sized musical act, but at the same time small, light and sleek enough for our corporate events, was a big selling point. With the EAW NTX 210L boxes, we can do an NHL arena and turn around and do a ballroom at the same time. It’s the fantastic sound combined with that kind of versatility that makes EAW a winner.”

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

## PMC appoints Tools 4 media as its Colombian distributor



Hernan Pinzon and Dan Zimbleman

UK manufacturer PMC has appointed Tools 4 media as its new distributor in Colombia, with responsibility for its entire range of pro audio products. Tools 4 media is based in Bogota and has satellite offices in California and Florida. Tools 4 media prides itself on offering integrated solutions and already represents many pro audio brands including Cranesong, Chandler, API, Manley, Grace Design, McDSP, Audeze, Apogee, Eve Audio, IK Multimedia, Native Instruments and iZotope. Customers who want to try out equipment can do so at local studios where Tools 4 media has joint venture arrangements. CEO Hernán Pinzón says he is delighted to be working with PMC and to have the opportunity to introduce the company’s extensive professional product range to his customers. “Dan Zimbleman, PMC’s Senior Export Business Development Manager, says: “This is a very exciting market for PMC, and we are confident that with Hernán’s help we can bring our products to a much wider audience – not just in Colombia but also throughout the Latin American music community where Tools 4 media has a strong representation.

[tools4media.co](http://tools4media.co)  
[pmc-speakers.com](http://pmc-speakers.com)

## Successful LD SYSTEMS DAY - First MAILA presentation in Dubai



The Adam Hall Group looks back on a successful LD SYSTEMS DAY in Dubai. Together with the LD Systems sales partner PRO LAB, the global event technology manufacturer invited to a one-day partner and customer event at the PRO LAB headquarters on 7 September. The highlight was the first hands-on demonstration of the LD Systems MAILA system in the United Arab Emirates.

After an introduction of the Adam Hall Group and its long history in the field of event technology, Viktor Wiesner, Senior Product Manager, Pro Audio, guided the numerous attendees through the constantly growing LD Systems portfolio, followed by a detailed product demonstration of the MAILA (Modular All-Round Intelligent Line-Array) system by LD Systems Field Application Engineer Jens Kleinhuis. In close exchange with the experienced live sound engineer, the participants of the LD SYSTEMS DAY were able to convince themselves of the flexibility, the electro-acoustic design and the innovative features of the groundbreaking sound reinforcement system in a hands-on session.

In general, LD Systems and PRO LAB placed a lot of emphasis on the intensive exchange between existing customers and potential interested parties and the LD Systems team from product management, product development and technical support. After the MAILA live sound and touring solution, the focus was on LD Integrated Systems products for the AV fixed installation sector. In addition to the QUESTRA planning and management software, visitors were given a detailed overview of the constantly growing LD Systems Install portfolio of loudspeakers, mixing amplifiers and matrix processors. The LD SYSTEMS DAY was rounded off by the accompanying audio tools and stand solutions from Palmer and Gravity.

"The LD Systems Day was a complete success," explains Markus Jahnel, COO Adam Hall Group. "Together with our



sales partner PRO LAB, we created an all-round successful event for our partners, customers and interested parties in the GCC region. We were particularly pleased that we were able to demonstrate our MAILA system in detail for the first time in Dubai. The reactions were positive throughout and we are very excited to see and hear about MAILA in Dubai and the region in the near future. At this point, we would like to thank the entire PRO LAB team and all visitors of the LD Systems Day. We are already looking forward to the next edition!"

**ld-systems.com**  
**prolabllc.com**

## Clear-Com appoints Paul Morini as regional sales manager for Southeast US region



Clear-Com® is pleased to announce that Paul Morini has joined the company as regional sales manager for the Southeast region of the US. Paul joins Clear-Com from Avid Technology, where he was the National Touring Sound Accounts Manager. He brings more than 25 years of experience and has worked in a wide variety of technical sales management roles in the audio business.

In his new role, Paul will be responsible for driving Clear-Com's sales activities in the Southeast region and managing the area's Partner network. With his deep knowledge, success in the audio business, and positive energy, Paul is a natural fit to join Clear-Com's dynamic sales organization.

"Clear-Com is such a customer-focused company, and I have a great deal of respect for the way the company operates. Its dedication and commitment to customers and quality is unmatched and I appreciate this new opportunity to expand the Clear-Com brand in the region," comments Paul.

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

## Sound Architecture, named official distributor of HOLOPLOT for Iberia



Sound Architecture was established in collaboration with Ilusovi Servicios, one of the most renowned AV specialist companies in the Iberian market. Building on the company's years of experience in the AV industry, Sound Architecture is ready to apply its expertise to the integration sector, with the latest in audio technology as their flagship product solution.

With an extensive stock of audiovisual equipment, the Ilusovi team takes pride in its ability to deliver projects of any scale and complexity. Moreover, when standard services and products fall short of solving their clients' needs, Ilusovi offers customised AV system design and development, leveraging its expert R&D and electroacoustics departments. This ethos is underlined by the decision to make a significant investment in the pioneering HOLOPLOT X1 Matrix Array technology and simultaneously create a new company, Sound Architecture, which has been appointed as the first authorised distributor of HOLOPLOT products in the Iberia region. Ilusovi, meanwhile, immediately completed its first successful rollout of the X1 Matrix Array, with a three month stint at the recent, highly-anticipated, Marbella Starlite Occident festival.

"Sound Architecture comprises professionals with over 30 years of experience across various sectors related to audio and its processing," says Jose Manuel Jimenez, Owner of Ilusovi Servicios and CEO of Sound Architecture. "The company was

founded with the mission to deliver collaborative solutions in tandem with HOLOPLOT systems, the pioneers behind a revolutionary era of sound through their ground-breaking Matrix Array sound systems." Jimenez adds that at Sound Architecture, the team extends the opportunity to embark on ambitious projects supported by seasoned professionals and leveraging the finest sound technology available today to their clients. "Our goal is to offer comprehensive assistance for both permanent installations and ad hoc, dynamic projects. For these ventures, we strive to bring an element of surprise to the visitors and clients alike with an unparalleled auditory journey, aiming to deliver an exceptional experience that truly captivates," he adds.

Shedding some light on future plans, Jimenez concludes by stating their intention to at least double their HOLOPLOT stock in order to serve a wide variety of projects. "The latest exciting news for us has been HOLOPLOT's announcement of their new X2 Matrix Array, which offers best-in-class intelligibility and sound quality in a more compact form. As I said before, investing in HOLOPLOT isn't just about acquiring another sound system. It feels like unlocking a magical key that leads to a whole different realm of creative possibilities!"

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

Photo © Ilusovi Servicios

## Broadcast Professional celebrates 40 years of excellence in the industry



Broadcast Professional Pte Ltd (BP), started life in Singapore in 1983 as Studer Singapore Pte Ltd, a subsidiary of Studer AG a Swiss company, serving the growing needs of the broadcast and recording industries. In 1994, the company expanded our horizons, leading it to rename as Studer S.E. Asia, as they ventured into markets beyond the shores of Singapore. In 1995, their Chairman, Mr. Ronald Goh, boldly undertook the acquisition of the company, Studer S.E. Asia. This was a groundbreaking move, marking the first instance of an SME acquiring an MNC in our industry.

Under Mr. Goh's guidance and foresight, the company experienced a period of tremendous growth and transformation. Among the noteworthy milestones on this transformative journey was the decision to rebrand as Broadcast Professional Pte Ltd in 2005. This name change served as a symbol of the company's unwavering dedication to achieving excellence and driving innovation over the past 18 years.

Since then, they have widened their services to include broadcast and streaming services, as well as the creation of immersive experiences,



with a unique combination of people, services and technology. Over the years, Broadcast Professional has worked to support its partners and clients through a multitude of project collaborations and continue to actively explore the limitless possibilities of content driven immersive and interactive-experiences.



“At the heart of BP's success lies its commitment to helping our clients transform their visions into reality. With our team of experts deeply entrenched in the latest trends and technologies, we have consistently delivered excellent results for our customers,” shared Joseph Ho, Director, Broadcast Professional Pte Ltd.



“As we celebrate this momentous occasion, Broadcast Professional Pte Ltd remains steadfast in our mission to captivate

audiences through unique experiences. With a rich legacy of achievements behind us, we look forward to an even more promising future, continuing to set new standards for this ever evolving industry.” shared Gary Goh, Group CEO, Broadcast Professional Pte Ltd.



[broadcastpro.com.sg](http://broadcastpro.com.sg)

[www.avltimes.com/pro-audio](http://www.avltimes.com/pro-audio)

## PVS celebrates 40 years by releasing own LP



left to right: Patrick Van de Sande, CTO & founder of PVS – Tom Van de Sande, CEO PVS

PVS, the visionary company behind renowned AV brands such as AUDAC, PROCAB & CAYMON, is proud to celebrate its 40th anniversary. To mark this special occasion, PVS presents a remarkable vinyl record featuring the talented young Jazz ensemble, Equi, native to Stevoort. This musical journey is a heartfelt tribute to the pioneers who laid the foundation for today's audio marvels, paying homage to the very roots of sound. The vinyl record was meticulously created with unwavering dedication, employing cherished vintage analog techniques and treasured tape recorders from PVS's private collection.

Reflecting on this journey, Tom Van de Sande, CEO of PVS, remarks: "Over the last 40 years, we've embarked on a remarkable voyage. Today, as we celebrate our anniversary, we look back on our origins while embracing innovation. In our pursuit of excellence, we have made it our mission to preserve every facet of the beauty of sound.. This vinyl record stands as living proof. The pristine sound of this album was captured using vintage techniques and equipment. Thanks to our innovative sound solutions, the purity of this music can be shared in bars, restaurants, retail spaces, offices, and beyond, ensuring every note and



melody resonates with authenticity." In addition to this tribute, PVS has made substantial investments in its Research & Development division, which is fully based in Belgium. The team has nearly doubled in size over the past 2 years, reflecting monumental growth. This expansion has led to the introduction of the award-winning Atellio product family, a cutting-edge line of digital audio products aimed to redefine the future of audio technology.

PVS's investments go beyond personnel. In the past year, their testing facilities have undergone a comprehensive overhaul. The final touches are currently being applied to an anechoic chamber, a meticulously designed room that eradicates reflections or echoes of sound or electromagnetic waves. This chamber will play a crucial role in testing electronic equipment to the highest standards of precision.

[pvs.global](http://pvs.global)

## DPA Microphones announces new headquarters



DPA Microphones has opened a new headquarters in Kokkedal, Denmark, a convenient suburb of Copenhagen. The modernized space will put an emphasis on the brand's research and development (R&D) facilities, with significant upgrades and new studio spaces that encourage more creativity. "DPA continually aims to inspire sound professionals looking to improve their solutions, and we are confident that the new headquarters will further enable this growth," says DPA Microphones CEO, Kalle Nielsen. "The facility offers a great environment for close collaboration across the organization and with outside partners, which is the foundation we need to provide strong solutions. This high-tech environment will be the homebase for some of the world's best microphone specialists, enabling them to create even better microphones and provide more education to the pro audio community." The new facility offers significant upgrades for R&D, which will soon have access to a full anechoic chamber that will aid in the creation of DPA's precisely accurate mics. Additionally, a planned multi-room space will feature a video studio and controlled listening area for live and recorded demonstrations. The new location, which will have members from sales and marketing, finance, customer service and management, offers an improved climate, as well as an architectural and interior design style that better aligns with the DPA brand.

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



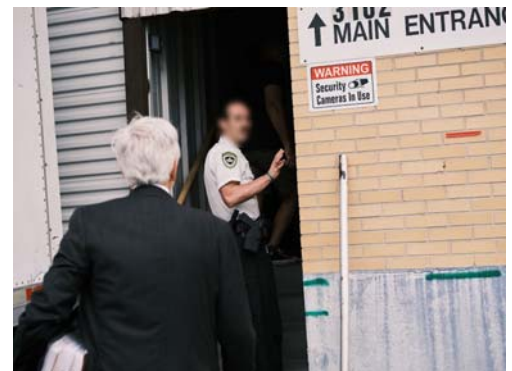
# L-Acoustics wins historic \$5 Million judgment against Tampa-based rental company for trademark infringement, counterfeiting and unfair competition



An investigation led by L-Acoustics late last year resulted in the seizure of an extraordinary 136 counterfeit products from Tampa-based rental company Se7ven Sounds Music, Inc. Along with the seizure, L-Acoustics filed a complaint against Se7ven Sounds for trademark infringement, counterfeiting and unfair competition. This month, the United States District Court, Middle District of Florida, Tampa Division ordered Se7ven Sounds Music to pay damages of \$5 Million US dollars to L-Acoustics, a significant achievement in the professional audio industry. L-Acoustics also won the right to destroy the 136 counterfeit products confiscated during the investigation. The final judgment holds that the "defendants infringed the L-Acoustics Trademarks by intentionally and willfully engaging in the unauthorized manufacturing, importation, offering for sale and/or rental, and sale and/or rental of goods in interstate commerce imitating the design of L-Acoustics products and bearing counterfeit L-Acoustics Trademarks." A judgment of this magnitude is a first in the professional audio industry. It confirms the absolute importance L-Acoustics places on deterring the manufacture, sale, and rental of fake L-Acoustics products and serves as a warning to those who contemplate infringing the company's IP rights.



This final judgment comes on the heels of a cease and seizure of counterfeit L-Acoustics loudspeakers in China in December 2022. In partnership with Chinese authorities, L-Acoustics tracked down five counterfeiters who were subsequently found guilty and sentenced to jail for producing and selling counterfeit L-Acoustics loudspeakers in China. The counterfeit loudspeakers were destroyed. The safety risks associated with counterfeit loudspeakers are not limited to suboptimal audio performance; fake products also expose operators and the public to hazardous safety risks and severe legal liabilities if an accident occurs. Counterfeit L-Acoustics loudspeakers do not provide the same ultimate performance, ruggedness, and safety of operation as their true counterparts. L-Acoustics offers free serial number verification to clients and will roll out an online version to certified providers by year's end.



[l-acoustics.com](http://l-acoustics.com)

Photos © Zack Wittman

## Fischer Amps now available at DWR Distribution



Jaco Beukes from DWR Distribution

South African-based DWR Distribution is pleased to announce the expansion of its audio offering with the inclusion of Fischer Amps. With over twenty-five years of experience in pro audio and hi-fi, Fischer Amps delivers outstanding solutions for sound engineers and artists. Known for innovation, the robust products, designed and produced in Germany, are characterized by simple handling and excellent workmanship, and range from charging technology to in-ear monitoring, headphone amplifiers, and in-ear earphones. "We are pleased to have found a competent partner in DWR and look forward to working with them," says Jochen Fischer, founder and owner of Fischer Amps. Jaco Beukes from DWR comments, "We have been looking for a compact, high-quality headphone Pre-amp with decent levels for some time now, and when the Fischer Amp distribution came along it was a 'no-brainer'. Being a German brand, the products are designed and manufactured exceptionally well, providing a reliable and great-sounding product. Our First order consisted of the In Ear Stick, Mini Body Pack 2, Hardwired In-Ear Belt Pack, and lastly a very compact Mini DI-Box. I love this product as it enables you to keep the mono jack to the correct length, VERY SHORT, as the belt clip and size enables you to place the DI-Box on the Guitar strap."

[dwrdistribution.co.za](http://dwrdistribution.co.za)

## Phoenix Networks makes a 'Quantum Leap'



In the realm of live sound and concert production, staying ahead of the technological curve is the name of the game. And one of India's most prominent event equipment rental service providers - Phoenix Networks – has assertively made a 'quantum leap' forward with the recent additions to their existing world-class inventory.

Phoenix Networks has invested into bringing home the current industry favourite DiGiCo Quantum 338 digital mixing console, coupled with the SD-Rack; and this also happens to be the first ever Quantum 338 system in Central India. Alongside, the company has also made a significant addition to their line up of the industry-leading Meyer Sound loudspeaker inventory with the acquisition of a brand-new comprehensive system comprising the LEOPARD modules complemented by the powerful 900-LFC Low-Frequency Control Elements. "As a company, our vision for success is deeply rooted in our relentless pursuit of audio perfection. And these strategic investments are a key extension of this ever-evolving pursuit!" exclaims Animesh Mishra, Director of Phoenix Networks as he speaks about the motivations behind the recent investment.

Speaking about the acquisition of the new Meyer Sound Leopard system, Animesh reveals that this decision was driven by the need to have a truly wholesome and comprehensive world-

class sound reinforcement ecosystem, so that the company could assure pristine audio productions for every kind of event. "Phoenix Networks' addition of Meyer Sound's LEOPARD line array modules accompanied by the formidable 900-LFC Low-Frequency Control Elements, exemplifies our determination to push the envelope of auditory excellence" he asserts.

Affording a better insight into the motivations behind this expansion, Animesh shares, "We were the first ones in the entire country to invest into the revolutionary Meyer Sound PANTHER system; and our choice to expand our existing Meyer Sound arsenal with the LEOPARD line array modules and 900-LFC subwoofers emanates from our unwavering commitment to deliver an audio experience that stands unparalleled."

According to Animesh, the acquisitions of the DiGiCo Quantum 338 console with the SD-Rack and the Meyer Sound LEOPARD line array modules alongside the 900-LFC subwoofers have now opened up a world of possibilities for Phoenix Networks, as he is confident that the company is now even better equipped than before, with the technical prowess to undertake mega productions, not only within India but also on international stages.

[phoenixnetworks.in](http://phoenixnetworks.in)  
[digico.biz](http://digico.biz)

## Durban based AV Company invests in L-Acoustics KARA II

The AV Company, headquartered in Durban and led by Craig Browning and his son Keagan, has just taken delivery of an L-Acoustics KARA II system from DWR Distribution, which immediately was put into action for a finance conference held at the Sandton Convention Centre. The investment is a dream come true for Keagan. "About five years ago, I had the opportunity to work on a project utilizing L-Acoustics, and I immediately fell in love; there's simply no comparison," Keagan says. "We started discussing the possibilities of purchasing the system in December last year, and in February, placed the order with Richard Smith." The shipment included 12 KARA II loudspeakers, 8 SB18 high-power subwoofers, 3 LA12X amplified controllers, and various accessories. When it reached Johannesburg, the next step involved manufacturing flight cases and bags, and by the beginning of September, everything was prepared

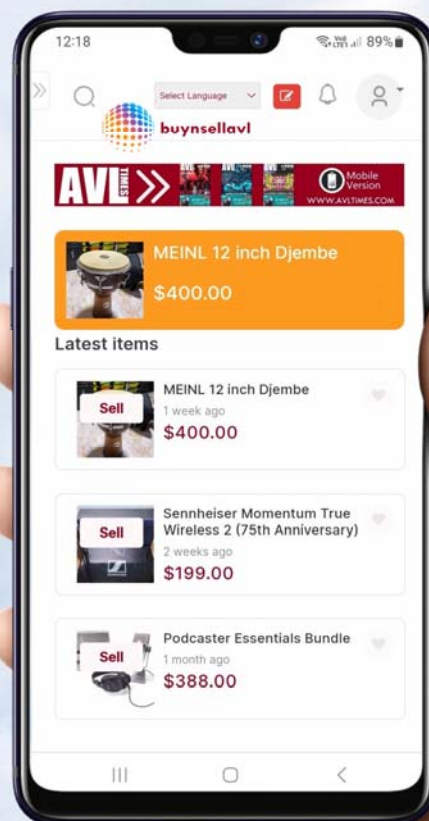
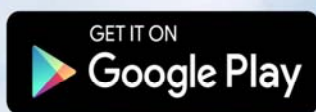
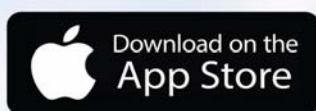
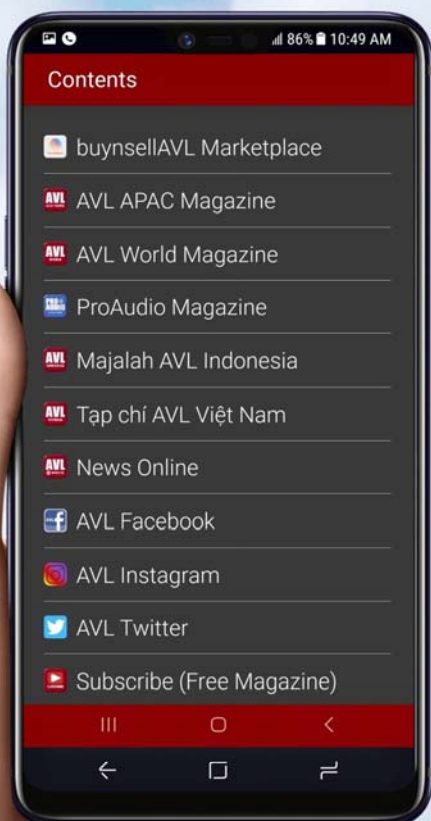


for the conference. "The AV Company have been fantastic," says Richard Smith from DWR. "They are keen and eager, and the new system is perfect for the work they do. It is scalable for their market and can be combined with other

L-Acoustics gear for bigger shows when needed. It has been a pleasure working with Craig and Keagan and we appreciate this opportunity."

[dwrdistribution.co.za](http://dwrdistribution.co.za)

## Got the **AVL** App? Now available on your favourite device



## DiGiCo and Fourier Audio prepare to plug in live sound



DiGiCo announces the acquisition of UK-based live sound software developer and manufacturer, Fourier Audio. The deal further strengthens DiGiCo's investment in live sound innovation, building on their acquisition of immersive in-ear pioneers KLANG:technologies in 2018. Fourier Audio's team of software engineers and sound designers are focused on delivering live audio solutions that enhance an engineer's ability to create superior sounding performances. Over the last 24 months they have been developing a new platform bringing the power of studio audio software plug-ins to live engineers, codenamed 'Project Core'.

Austin Freshwater, DiGiCo MD, comments, "At DiGiCo we are always looking at how we can enhance our customers' ability to provide new and exciting possibilities in live performance audio. With Fourier Audio, we are investing in a team that will soon launch an integrated plug-in processing engine, 'Project Core', bringing new opportunities for DiGiCo to work with third party software providers, truly plugging in the world of live sound on a platform our clients can trust." Fourier Audio founders Henry Harrod, Peter Bridgman and Gareth Owen (CEO, CTO, CCO), state, "Knowing first-hand how successful and well regarded DiGiCo

and the wider Audiotonix family are in the live market, this is a fantastic next step in Fourier's growth. Being part of a global network of partners and clients that are at the top of their game - in live events, touring and installed audio - gives us the opportunity to rapidly change the way that engineers and artists shape their shows. It's an exciting time to be in an invigorated live market and we can't wait to dream big with our new colleagues." The latest addition to the Audiotonix family sees Fourier Audio join the growing roster of innovative pro audio brands.

James Gordon, Audiotonix CEO, adds, "We are always looking for the next audio innovators that are a good technology and cultural fit, and with Fourier I'm pleased to say we have found both. Bringing this talented team into the Audiotonix fold under DiGiCo will allow us to give live sound users access to a wider range of our own and other 3rd party developers' plug-ins. At AES New York we invite all plug-in manufacturers to come have a frank and open discussion, and I can't wait to start talking to these plug-in brands about how we will be able to open the live sound market to their unique tools."

[fourieraudio.com](http://fourieraudio.com)  
[digico.biz](http://digico.biz)

## AUDIOFOCUS appoints Audio Link as distributor for Italy



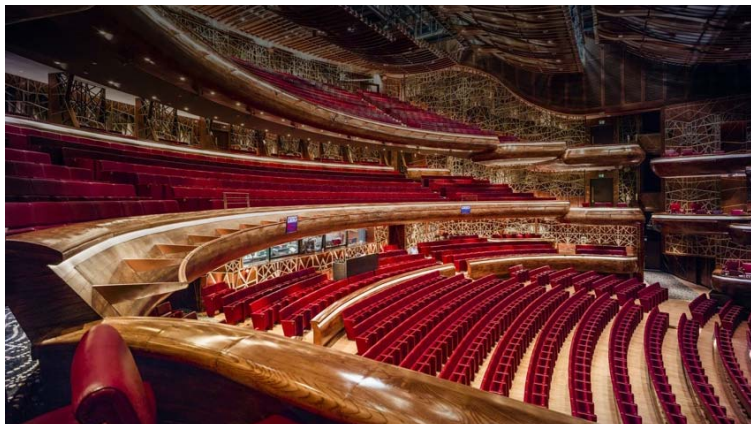
Belgium-based loudspeaker manufacturer, Audiofocus has named Audio Link as its exclusive distribution partner for Italy with immediate effect. "Audio Link is a top tier partner with a long history of providing exceptional products and support to Italy's most prestigious touring, installation and broadcast clients," comments Audiofocus sales manager, Håkan Sjöö. "Working with Audio Link, we look forward to building connections with Italy's pro audio community and providing first-hand opportunities to experience the new generation of Audiofocus systems."

Audio Link sales manager, Federico Bianchi adds, "Audio Link has always had a comprehensive product catalogue and throughout our long history we have continually sought partnerships with leading brands. To complete our offer in the audio field, the team had long been looking for an innovative, high quality loudspeaker partner that espouses the Audio Link slogan, "we anticipate the future". Audio Focus immediately proved to be the perfect choice and today marks the start of this exciting new adventure for our two companies."

Audiofocus joins a stable of prestigious audio and lighting brands distributed by Audio Link, including DiGiCo, Out Board, OB Timax, Waves, Vari-Lite, Vanguard, Van Damme, Optocore and more.

[audiofocus.eu](http://audiofocus.eu)  
[audiolink.it](http://audiolink.it)

## d&b audiotechnik announces partnership with Dubai Opera



d&b audiotechnik, the global provider of professional audio technology solutions, has announced a major new strategic partnership with Dubai Opera. The new arrangement will see d&b audiotechnik become an Official Technology Partner for the world-class venue, which will adopt the immersive audio technology of d&b Soundscape for its Studio venue.

Opened in 2016, Dubai Opera is a thriving, multi-format performing arts centre, hosting a wide programme of performances and events ranging from theatre, opera, and ballet, to concerts, conferences, and exhibitions. This new partnership with d&b audiotechnik, which was unveiled at a Dubai Opera official press conference by Dr Paolo Petrocelli, Head of Dubai Opera, along side representatives from Dubai's Department of Economy and Tourism, Dubai Culture and UNESCO, is one of several new initiatives designed to ensure the venue's continued role as a cultural hub for the region's arts, entertainment, and creative education.

By embracing technological innovation in this way, Dubai Opera aims to broaden its artistic horizons, ensuring its place as an indispensable performance destination for the Middle East. Its partnership with d&b audiotechnik ensures a cutting-edge auditory experience at Dubai Opera's Studio, delivering an immersive sound experience that will nurture and promote creative expression.

"As we embark on the new season, we are filled with immense pride in the



remarkable artistic diversity that characterizes our lineup of performances and productions, catering to the entire community and bringing together prestigious companies and celebrated artists from around the world onto the stage of our exceptional venue," says Dr Paolo Petrocelli, Head of Dubai Opera.

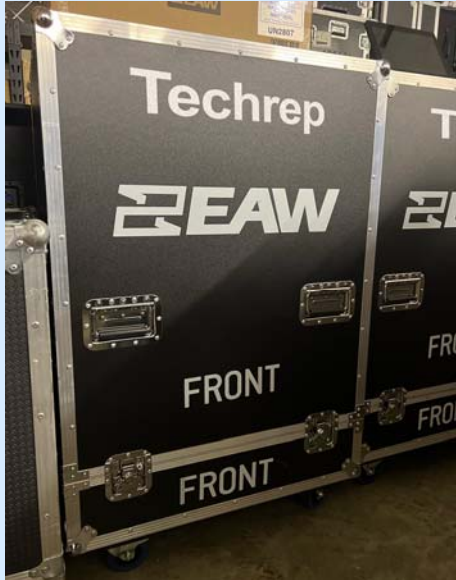
"d&b audiotechnik is honoured and excited to become the Official Technology Partner for Dubai Opera," says Brad Maiden, VP of Business Development, d&b Middle East. "This partnership elevates Dubai Opera and d&b audiotechnik as industry leaders when it comes to experiential performance, technical innovation and developing performing arts in the Middle East. The installation of d&b Soundscape into the Dubai Opera Studio provides local and international artists with an exceptional immersive sound system, and the audience with the full

aural sensory experience through our signature d&b quality of sound."

Amnon Harman, CEO of d&b audiotechnik, comments, "Our partnership with Dubai Opera is driven by a strong set of mutual goals: Our willingness to explore new technological frontiers to experience a multitude of artforms, our commitment to the development of the Middle East performing arts industry into a sustainable industry that is globally recognised as fostering the very best talent – and, importantly, our combined sense of unity and togetherness, working as one team – at d&b, we call this 'Wir-Gefühl'." The adoption of the ground-breaking d&b Soundscape in the Dubai Opera Studio will be implemented in time for Dubai Opera's forthcoming 2023/24 season of performances.

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

## Techrep Marketing brings EAW to Indiana live sound and commercial markets

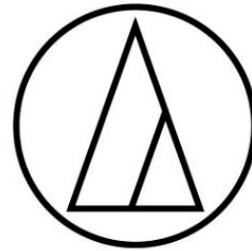


Techrep Marketing has provided high-quality audio solutions to the live sound and commercial AV markets in the Ohio Valley region. With a focus on representing respected brands within the industry, Techrep offers the entire suite of Eastern Acoustic Works (EAW®) products, including its ADAPTive line and its newest KF210 line array, to its customers. Together, the brands are proud to expand this partnership, with EAW products now available to the professional audio markets throughout Indiana.

“Our sales team is elated to bring the EAW brand to our Indiana customers,” says Chris Bednar, Techrep’s Vice President of Sales. “Techrep has had the privilege of representing EAW in much of our Ohio Valley territory this past year, and we now look forward to helping EAW realize their goals in the Indiana region, which is home to many key players in the live sound, commercial AV and music retail markets.”

eaw.com  
Photo © Techrep Marketing

## Audio-Technica and Clear-Com expand their sales cooperation to Austria



audio-technica

Germany-based audio distributor Audio-Technica has been distributing Clear-Com®’s professional communication solutions in Germany since 2015. Now the two companies are expanding their cooperation to the Austrian market, and as of September 1, 2023, Audio-Technica Distribution has taken over the exclusive distribution of Clear-Com for all markets in Austria.

“We have had a strong partner in Audio-Technica for years,” confirms Alex Hemme, Regional Sales Manager at Clear-Com. “I look forward to optimally serving the Austrian market in the future with the dedicated colleagues from Audio-Technica.”

As Business Development Manager, Harald Steindl will be in charge of sales



Harald Steindl

activities in Austria and will assist customers in the implementation of their projects. The trained communications engineer draws on his many years of experience in

the field of audio, video and media technology to competently and confidently implement even the most demanding customer projects.

“Clear-Com’s professional intercom solutions are successfully used in various market segments worldwide,” says Harald. “I am looking forward to representing the broad portfolio of the global market leader in Austria.”

Jan Saueressig, Brand Manager for Clear-Com at Audio-Technica, is also enthusiastic about the collaboration. “With Harald Steindl, we have exactly the right person to provide Clear-Com with the best possible support in Austria,” he said. “He will share the trusted collaboration between us and Clear-Com with the Austrian market.” I am already looking forward to the projects he will implement with the customers.”

clearcom.com



## **buynsellAVL.com** is the easy step to taking your AV sales online with your own e-commerce store

Unlike the usual Pro Audio/Video/Lighting marketplace websites, buynsellAVL.com is not a strictly "used-gear" site. Ideal for brands and distributors to have a very affordable online store for directly sourcing the interest of new customers.

*Pay 0% Commission on all sales*

*Sign up is free  
No payment required*

*Create your own online store  
Personal or Business account*

*Buyers can contact Sellers directly  
via email, messaging apps, mobile*

*List up to 4 images per post*

*List as New or Used*

*Link a product or demo video*

*50 days visibility for free listing  
100 days visibility for paid listing*

### Latest items

Sell



J. HARMAN

ULTRAMID AUDIO

Podcast Par  
USB Type-C

Podcaster Essentials Bundle

1 month ago

\$399.00

♡

Sell



Sennheiser

Sennheiser Momentum True Wireless 2 (75th Anniversary)

2 months ago

\$199.00

♡

0% commission on every sale

www.buynsellAVL.com

## Neumann's MCM

### The preferred microphone for South Korean musicians



The Neumann MCM was a game changer for guitarist Jang Ha-eun

Neumann.Berlin, the legendary studio specialist, is the preferred audio brand for musicians in South Korea. The Miniature Clip Microphone System (MCM) has been making waves since its release, and musicians around the world have experienced how the MCM is raising the bar of electret capsules with its superior audio quality and its reliability.

With acclaimed artists like Jang Ha-eun (classical guitarist), Mellow Kitchen (saxophonist), and KoN (violinist) joining the ranks of MCM users, it is evident that Neumann's MCM is setting new standards in the world of microphones.

#### **Jang Ha-eun – A Rising Star in the Music Scene**

Jang Ha-eun is a popular South Korean singer and classical guitarist who has made a name for herself on the international stage. Most notably, she was one of the finalists at the popular South Korean talent show "Superband 2" and performed at Carnegie Hall in New York with the Union City

Orchestra. Her collaboration with prestigious orchestras such as the Seoul Grand Philharmonic Orchestra and the Bolshoi Theatre National Opera Orchestra have further showcased her exceptional guitar skills and musical talent.

As a musician, sound quality is of utmost importance to Jang Ha-eun, and the MCM has solved some of the greatest challenges that she often faced on stage.

"I always aim to achieve the best sound quality for all my performances. However, dealing with challenges like feedback issues and the hassle of setting up complicated equipment makes it hard to deliver a seamless performance. This is why my experience with the Neumann MCM microphone was a real game-changer," shared Jang Ha-eun.

"It delivers a well-balanced audio output that captures both the sharp highs and delicate lows with incredible precision. What's really special about it is how it can add a sense of depth to

the sound, creating an immersive experience for the audience. Plus, it is easy to carry around, and you don't need extra stands or holders to set it up."

#### **Mellow Kitchen – a multifaceted artist**

Mellow Kitchen is a South Korean composer and saxophonist who has gained popularity in the mainstream media through his performances in album recordings and at live sessions for famous artists such as Shin Seung-hun, Shinhwa, Epik High, Sistar, Brown Eyed Soul, and Park Jae-jung. He also appeared in various music programmes across major broadcast networks. With a growing fanbase, Mellow Kitchen held his first solo and sold-out concert in 2019 and released his first full-length album "Beautiful Day" in 2021.

Mellow Kitchen shares his experience using the Neumann MCM: "When it comes to creating the perfect sound, microphones can sometimes fall short. But then, we were introduced to the Neumann MCM and it was truly like a breath of fresh air in the world of





**KoN – South Korea's first Gypsy Violinist**  
KoN is a renowned classical violinist with a global presence, having performed at various concerts and music festivals around the world. He specializes in a wide range of music genres such as classical, jazz, pop, tango, and pioneered the gypsy violin genre in South Korea.

One of KoN's most notable performances took place during the 2022 South Korean presidential election coverage on KBS where he played the violin atop the Lotte World Tower, the tallest building in Korea (555 meters), setting a record for "highest violin performance" in Korea. With a demanding schedule of over 100 performances annually, it is no surprise that he is always searching for the perfect microphone that can help him achieve the most perfect sound.

"What matters most to me as a violinist is how well a microphone captures the instrument's true sound. The MCM stands out remarkably, closely resembling the

original violin sound. It's my top choice when performing," KoN explained.

"MCM's exceptional balance across high, mid, and low frequencies suits both the warm and enveloping tone of an old violin and the energetic and powerful tone of a modern one. It preserves the warm texture characteristic of Neumann microphones, akin to recording with a Neumann condenser microphone in a studio setting. Among the microphone options I've used for violin, MCM is undoubtedly the best."

Mellow Kitchen shared that discovering the Neumann MCM is akin to finding the perfect musical partner

sound. It felt like we our usual input of 100% effort is giving us 120% in terms of sonic richness. It was like a lightbulb moment for sound quality, elevating every note we played," explained Mellow Kitchen."

"But it wasn't just about volume. The MCM microphone brought out details that we didn't even know existed. It handled nuanced frequencies well and effortlessly balanced the highs and lows. It was like finding the perfect musical partner, and we haven't looked back since."



Classical violinist KoN performed with the Neumann MCM at an event in South Korea

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

## KV2 powers up Electric Bay festival in Torquay, Devon



Described as a ‘game-changing music weekender’, Electric Bay is a unique open-air dance music festival that takes place over two days in the stunning Torre Abbey meadows on the Torquay seafront. Following a completely sold-out first edition last year, the 2023 event promised to be ‘bigger and better’ at every level, with a bigger production, a larger stage, an even more powerful sound system and increased facilities and food and drink options. The 2023 lineup featured some of the biggest names in electronic music, including Hedex, Pendulum LIVE, Dave Rodigan, Andy C, Gardna Live, Sub Focus, and many more.

Festival organisers and renowned electronic music promoters, Louder Events, once again turned to local AV rental experts, Future Technical Solutions (FTS) who supplied a kicking KV2 sound system.

“FTS has a working relationship with Louder in other venues for both live

and DJ sets, so it was natural that they asked us to quote for last year’s event,” describes FTS managing director, Neil Carpenter. “We specified KV2’s VHD system, having already used it for events up to 5000 people on the same site. Electric Bay 2022 brought in 7000 people, but I knew it could do the job. Admittedly, Louder’s production manager, Alex Anderson was dubious at first, but he decided to go with us, and I’m delighted to say he was more than happy with the results!”

Based on the resounding success of the first edition, Louder Events decided to up the ante for 2023 with an even bigger production, this time for 10,000 revellers.

Anderson once again turned to FTS for the audio system package. “We had fantastic coverage and superb sound quality across the site last year using our VHD system, and I was confident that it would handle 10,000 people with no problem,” notes Carpenter.

“However, we had to do some EASE Focus simulations to convince Alex that we didn’t need delay towers! The system has to face the sea so as





which worked really well and covered the whole of the listening zone with ease,” says Carpenter.

“The biggest changes were to the DJ monitor system on stage – last year we used VHD1.21s with ESD15s, largely because Carl Cox has used ESDs before and likes them. However, we had a few issues with sub bass travelling behind the stage and causing noise issues for some residents, so this year we went for an ES rig comprising a pair each (one per side) of ES1.0, ES2.16 and ES1.8. This gave us more bass control options and definitely worked much better for us. The final change was that we added six ESM12 floor monitors to the package to replace the non-KV2 monitors we used last year, as I gathered that wasn’t a popular move!”

“Needless to say, the whole system performed amazingly and we’re already looking forward to next year!”

not to disturb local residents, which limits coverage towards the long part of the site. However, I’ve always felt that a line array system would cause more problems that it would solve in attempting to cover the complete site rather than a point source system like KV2 that gives great energy in the areas that need it with less than half the number of boxes.”

FTS supplied a pair of VHD2.0 and a VHD1.0 per side as a flown L/R system. Bass and sub-bass was provided by four VHD2.16, eight VHD 4.18 and eight VHD2.21 arrayed in front of the stage, along with a pair of ES1.0 as centre fills.

“Essentially it’s the same system as last year with the addition of a fourth pair of VHD2.21s and the ES1.0 centre fills

[www.kv2audio.com](http://www.kv2audio.com)

Photos © Electric Bay Festival / Mike Portlock

## UK pop star Anne-Marie relies on Sennheiser Digital 6000 for unparalleled audio



### Digital 6000 provides unparalleled sound quality, an exceptionally wide dynamic range, and bullet-proof reliability even in the most challenging RF scenarios

Over the past decade, Anne-Marie has emerged as one of Britain's most brilliant female artists. In the ten years since she released her earliest demo, which was shared by Ed Sheeran on Twitter, and secured a position as a touring vocalist for drum n' bass giants Rudimental in 2014, her distinctive brand of personality-infused pop has garnered billions of streams. As a testament to her remarkable achievements, she recently received a prestigious BRIT Billion Award, and has successfully collaborated with artists, including on her first UK number one hit 'Rockabye', a collaboration with Clean Bandit and Sean Paul. Currently on tour promoting her third album *Unhealthy*, the singer relies on

Sennheiser's Digital 6000 microphone system, which provides unparalleled sound quality, an exceptionally wide dynamic range, and bullet-proof reliability even in the most challenging RF scenarios.

Having cultivated a successful working relationship with the Relationship Management team at Sennheiser, Edd Sedgwick, Anne-Marie's Tour & Production Manager, has become a passionate advocate of the Digital 6000 series. He has actively collaborated with Peter Craig, the UK Relations Manager, and the entire Sennheiser crew to bring several artists on board PRESS RELEASE 2/5 with their Digital 6000 wireless microphone system, which Anne-Marie has also been using for several years.

"The D6000 boasts a modern and premium appearance while also demonstrating remarkable robustness," begins Sedgwick.

"Even amidst unexpected mishaps, such as an accidental mic drop, this resilient workhorse ensures the show must, and will, go on without missing a beat.

"It gives artists confidence; they know it's going to be a good show with the D6000. Performers can run down into the crowd and interact with the audience without worrying about the range, and Anne-Marie usually does that with her fans. The interchangeability of capsules is a really big factor, too."

A range of capsules are used depending on the size of the show, which can range from mammoth-capacity stadium gigs to small-scale acoustic performances for Anne-Marie. A more sensitive capsule is used if the stage is large, empty, and more prone to room reflections and noise, but equally it can be quickly changed to adapt to a more

intimate show that needs a much tighter super-cardioid capsule. This minimises any issues with the artist being in front of the PA.

“The interchangeability of capsules is a great selling point for someone who does shows ranging from stadiums and festivals to large indoor corporate events, knowing we can always get the best and cleanest sound for Anne-Marie’s vocal,” says Monitor Engineer, Joe Standen. “For us, having the option of analogue and AES outputs is a great advantage, too, we can also PRESS RELEASE 3/5 process each output separately and have full control of her vocal. We personally don’t use the Dante option but it’s great to know it’s there if we ever needed it.”

The Digital 6000 series is popular with artists embarking on large-scale tours, as its reliability guarantees unrivalled sound quality for any size of stage or production. It delivers a wider dynamic range even in the most challenging RF scenarios and, working with Sennheiser’s proprietary Digital Audio Codec (SeDAC), it also ensures the highest quality. Anne-Marie chose the Sennheiser Digital 6000 series as it aesthetically works for her, too, especially in the custom white. “Anne-Marie loves using the D6000 series, she owns her own system. It’s her choice of transmitter and we’ve never had a problem with it. She’s been using D6000 for as long as I can remember,” explains Sedgwick.



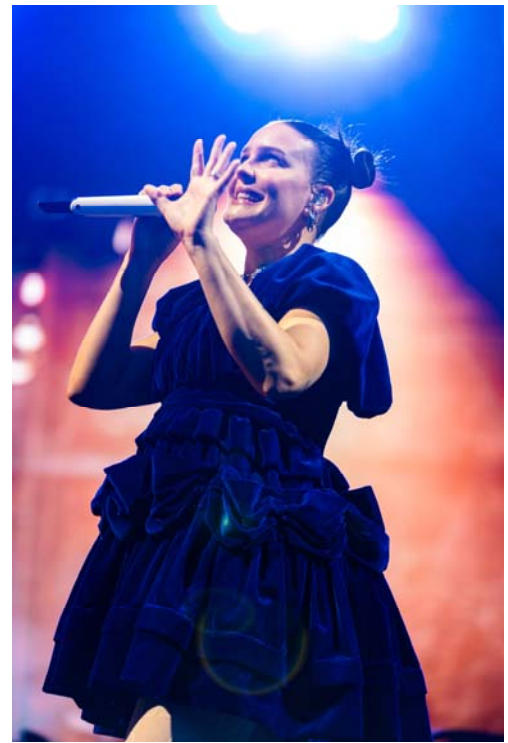
The Digital 6000 series is popular with artists embarking on large-scale tours, as its reliability guarantees unrivalled sound quality for any size of stage or production

Front of House Engineer Chris Whybrow adds, “Where the vocal sound has to be precise, transparent and rock-solid with no compromises, the 6000 series provides the confidence that it will be delivered to the channel crystal-clear for FOH, monitors and broadcast. Anne-Marie’s vocal is the most important thing to put across so trusting we have the tools to do that is a great reassurance, and we can choose a capsule that captures her vocal exactly as it needs to.”

One of the most notable shows for Anne-Marie and Digital 6000 was her appearance at Capital’s Summertime Ball at Wembley Stadium back in June. It was headlined by a starstudded line-up of huge acts including Niall Horan, The Jonas Brothers, RAYE and Calvin Harris, and Digital 6000 ensured that Anne-Marie’s performance sounded neat, streamlined and as powerful as possible.

“We love the Sennheiser 6000 series on Anne-Marie. It’s a very sleek and attractive design, whilst being robust, especially now it’s white – nicknamed the stormtrooper,” says Standen. “The unit gives our artist confidence that she can venture off into the crowd or a large B-stage and we never have to worry about dropouts due to its resistance to interference and efficient use of bandwidth and LR mode.”

“I was looking after several artists at this year’s Summertime Ball, including Jax Jones and Sigala, as well as Anne-Marie,” Sedgwick continues. “All of them were using the D6000 series. Sennheiser has always been a brand that I’ve turned to. We know that they will deliver what we need at the shows, especially



the larger-scale stadium events. The flexibility really is key with performers like Anne-Marie.”

In addition to his role as Tour & Production Manager with Anne-Marie, Sedgwick also operates his own business, The Fly Pack Company. The company specialises in providing customised fly pack solutions featuring Sennheiser IEMs and Digital 6000, along with evolution wireless G4 microphone systems. These pre-configured systems present a compact and flyable solution that conveniently fits within a Pelican™ case, serving as a portable luggage case for artists while on the move. “This represents yet another avenue through which we extend support to all our artists, ensuring they have these systems readily available no matter where their journey takes them,” he elaborates.

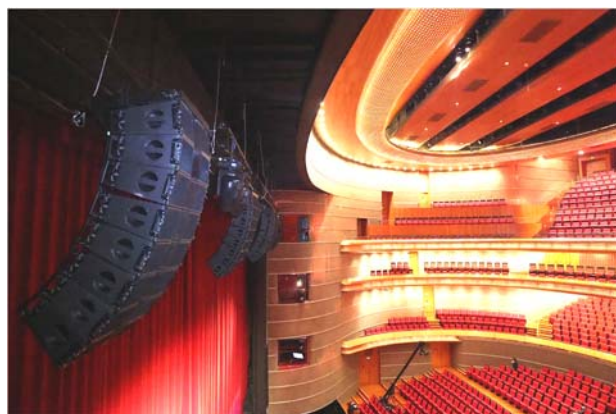
Anne-Marie’s loyalty to Sennheiser is one that is shared by many of the biggest popstars on the current circuit. “With unmatched sound quality at its core, the D6000 series gives artists the confidence they need to perform in any size of venue, to any size of audience, ensuring that the vocal delivery is always crystal clear,” Sedgwick concludes.

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

Photos © Ben Foster / @gnarlybravo

## RAC digs up L-ISA immersive audio experience for Chinese folk opera 'Minning Town'

The National Centre for the Performing Arts (NCPA) in the Xicheng District of Beijing, with its stunning semi-spherical architecture, stands as the largest theatre complex in Asia. The 2,207-seat Opera Hall, which lies at the NCPA's most subterranean level, hosted the production of



'Minning Town' performed by the republic's National Opera. The sound team of the Stage Technology Department of the NCPA worked closely with one of China's most in-demand sound designers, He Biao, to explore audio solutions for the production, which included close to a hundred speech, vocal and ambient microphone signals throughout the show. The NCPA desired a more natural and pleasing auditory experience for the show than could be produced via a traditional stereo system. Mr He knew that an L-ISA immersive audio system would deliver the results they were seeking. His extensive experience with L-ISA technology allowed him to pitch the use of this cutting-edge immersive sound technology for the project. He Biao designed an L-ISA speaker configuration with a main scene system of five hangs of eight L-Acoustics Kara speakers each, spread across the opera hall's stage. In-fill on both sides of the first and second-floor seating tiers consisted of eight L-Acoustics legacy V-DOSC speakers each. Two L-ISA Processor units managed spatial audio for the entire system. The system was delivered by local L-Acoustics Certified Provider Distributor, Rightway Audio Consultants.

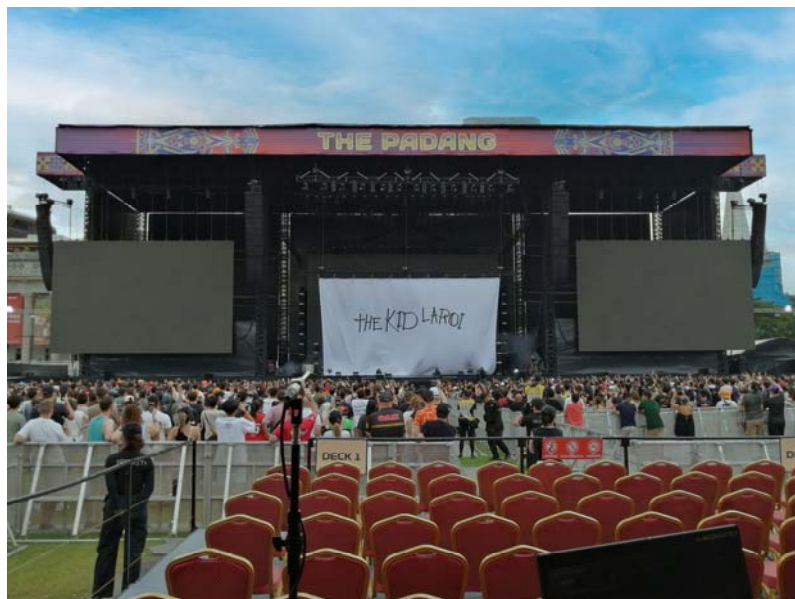
[l-acoustics.com](http://l-acoustics.com)

[racpro.net](http://racpro.net)

## Year after year, L-Acoustics K Series scores at Singapore Grand Prix concert

Introduced in 2008, the Singapore Grand Prix is the first-ever night race of the Formula One season. The yearly event has presented die-hard motor racing fans with the most elite drivers in the world competing on the downtown Marina Bay Street Circuit. The Grand Prix management requires industry-leading technology to ensure the main Singapore Grand Prix Padang Stage achieves the highest entertainment standards. Since the first edition, Singapore L-Acoustics Certified Provider Rental (CPr) CSP Productions Pte Ltd has been the go-to audio and lighting partner to the Grand Prix, designing an audio system for up to 50,000 concertgoers at the outdoor Padang stage. Working with the L-Acoustics APAC application engineers, the CSP team used L-Acoustics Soundvision modelling software to optimize a design that could be presented to the Singapore Grand Prix team. By working together and utilizing Soundvision, they carefully avoided sound spilling over to other stages or onto the VIP areas of the concert site. The current configuration consists of a left/right array of 12 L-Acoustics K1 boxes per side, topped by six K2. Side-fill arrays are flown with the same configuration to ensure coverage to standing crowds on both sides of the stage. Forty L-Acoustics SB28 subwoofers deliver low-end rumble from the stage front. On the extreme wings, delay arrays consist of 10 L-Acoustics V-DOSC and 12 SB218 per side. The entire system is driven by 10 LA8 and 16 LA12X amplified controllers.

[l-acoustics.com](http://l-acoustics.com)



## KV2 takes centre stage at Bregenz Festival 2023

The Bregenz Festival (Bregenzer Festspiele) has been an icon on the European cultural landscape for over 75 years. Hosting a wide range of musical and theatrical events during July and August in the Austrian city of Bregenz, the jewel in the festival crown is undoubtedly the Seebühne in the spectacular setting of the waters of Lake Constance. The largest floating stage in the world, the Seebühne, with its 6658-seat open-air amphitheatre, is the star venue for the festival's musical and operatic productions, often with sets as stunning as the lacustrine backdrop. This year's production was Puccini's *Madame Butterfly*, staged on a vast 23m x 33m 300-ton set designed to represent a giant leaf of delicately creased Japanese paper.

The technical challenges involved in a production of this nature are enormous, with sound being amongst the most critical. This year, KV2 systems made up the core of the highly complex main system serving the Seebühne and its auditorium. Head of sound for the festival, Clemens Wannemacher, takes up the story:

"We have been using a point-source based system for many years now as we found it was the most efficient way to handle the various constraints of working on an outdoor production with a live orchestra and a complex set. I'd had my eye on KV2 since 2019 when I was working on another lake stage in Mörbisch am See and was looking to upgrade the front fills and main PA. Martin Lukesch, head of sound at the Volksoper Opera in Vienna mentioned that I should listen to KV2, so we organised a shoot-out amongst several brands. That's when I heard KV2's ESR212 and ESR215 for the first time. As luck would have it, Alwin Bösch, who has been working with Bregenz for over 28 years and is now my deputy head of sound, was also at the shootout. We were both impressed by what we heard that day. "When I started with Bregenz in 2020 and was looking into upgrading our loudspeaker setup, both Alwin and



I immediately settled on the ESR212. We loved the sound, even more than the ESR215, and we also loved the fact that you can rotate the horn in the 212. That comes in very handy as we have to hide the speakers in the set, and by rotating the horn we can use it horizontally which makes it very versatile."



The loudspeaker setup is highly complex with over 40 loudspeakers from four different brands being hidden in the stage alone including VHD1.21 and VHD2.16subs from KV2 and three horizontally orientated ESR212s. They join a mix of other loudspeakers from Kling & Freitag, Adamson and JBL. "The stage has 'holes' with small platforms behind them that house the loudspeakers," describes Wannemacher. "The holes are covered with a metal grid, that is (partially) covered with plaster and then painted. There are no dedicated monitor-loudspeakers for the singers. They are effectively standing in front of the PA, so they pretty much hear what the audience hears."





As for the rest of the PA system, it is equally complex, with loudspeakers mounted on a series of poles surrounding the listening zone. Four large poles next to the set (two per side) house four levels of loudspeakers including two KV2 ESR212s in the middle—which are supplemented by Kling & Freitag Spectra 212s top and bottom. Smaller poles surround the rest of the listening area equipped with three levels of K&F Spectra 212 and CA1001CX (along each side) and two levels of Adamson P12 (across the rear). There are also several K&F LINUS loudspeakers placed beneath the seats in the middle of the audience zone as well as some JBL subs.

“There are a few reasons why we ended up with this loudspeaker mosaic,” explains annemacher. “Firstly, we try to use speakers that are fit for the different tasks we require. For example, the KV2ESR212s on the poles and inside the set are primarily used for amplification of the orchestra. Here we need a powerful system with broad coverage, so we can reach a large



audience area from the L/C/R positions. However, for the voices, we prefer loudspeakers with much narrower coverage to target specific areas of the audience where we can control the delay.” To add a little more spice to the mix, since 2006, the orchestra has been housed in the nearby Festspiel hall rather than on an outdoor stage. This adds a further layer of complexity but gives Wannemacher and his team much more scope when it comes to creating an immersive experience for the audience. “We’ve implemented a 3D sound system using different speakers at different heights, including under-

seat speakers for middle stalls. I wanted to mirror this to capture room sound, so we set up microphones in a three-level arrangement to feed the three levels of loudspeakers. When combined with our 3D electronic acoustic room system we achieve a very realistic and pleasant-sounding room that benefits the entire audience. Thanks to an intricate setup of both microphones and loudspeakers, we’ve managed to create an immersive experience for the audience, even in an outdoor environment.”

[www.kv2audio.com](http://www.kv2audio.com)

[www.avltimes.com/pro-audio](http://www.avltimes.com/pro-audio)



## GREEN-GO DanteX Interface is key for intricate Tori Amos tour comms

The US leg of Tori Amos's 2023 Ocean to Ocean tour kicked off in West Palm Beach, Florida in June with a fresh and eclectic setlist, ready to rouse fans across the States. The crew joining this year's US leg are armed with an array of GREEN-GO Digital intercom products as a clear, rock-solid system. At the heart of the setup is a GREEN-GO DanteX Interface, which is directly converting digital audio streams from Dante to GREEN-GO and vice-versa without loss of quality. "The GREEN-GO DanteX Interface was key to our system," says Alex Penn, Commercial Director at UK-based 22Live, which supplied a complete audio system for the Ocean to Ocean tour in both Europe and the US. "The tour was already using an extensive Dante network that covered many jobs including the PA returns, and shared stage racks for both the FOH and Monitor mixing consoles. The crew are kitted out with six GREEN-GO Beltpack X units, allowing communication over 32 available channels, a program audio channel and an extra channel for direct user communication. Via this, the team can talk to multiple groups or directly - and privately - to other users. Two GREEN-GO Beacon call indicator units are located with Miles Barton, PA and FOH System Technician, and Andy Yates, Stage and Monitor technician, which light up when receiving comms from other key team members, allowing them to direct a reply to the designated group in the venue. All GREEN-GO products were supplied to the tour by 22Live, sourced from GREEN-GO's exclusive UK and Ireland distributor, Canford Audio Ltd.

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

[canford.co.uk](http://canford.co.uk)



L-R is GCô Miles Barton FOH and System Technician, Mark Hawley FOH Engineer, Neil Heal Monitor Engineer, Andy Yates Stage and Monitor Technician and Alex Penn 22live Commercial Director

## Constellation by Meyer Sound optimizes space at Seattle's Cornish College of the Arts

Cornish College of the Arts, situated only a few blocks from Amazon's global headquarters near downtown Seattle, is surrounded by some of the nation's highest-priced real estate. As one consequence, when the school first proposed expanding into a new performance and learning facility, maximizing the utilization of the space was a top priority. Fortunately, by implementing a Constellation® acoustic system by Meyer Sound, the recently opened Raisbeck Auditorium can provide the optimum aural ambiance for lectures, drama, film screenings, and dance recitals as well as concerts spanning all musical genres. The as-installed systems at the Raisbeck Auditorium comprise a total of 110 Meyer Sound loudspeakers, deployed in four sub-systems. The Constellation and Atmos-capable cinema surround system includes 70 small full-range loudspeakers (Ashby-8C™, HMS-5™, MM-4XP™) and 16 MM-10XP™ subwoofers. 64 miniature condenser microphones are arrayed around the space for ambient acoustical sensing. The primary reinforcement system utilizes six UP-4slim™ and three ULTRA-X40™ loudspeakers augmented by a center-flown cardioid array of three USW-210P™ subwoofers. Three Acheron® 80 cinema loudspeakers carry the screen channels with LFE assigned to a trio of X-800C™ cinema subwoofers. Six MJF-208™ stage monitors are available for artist foldback. All Meyer Sound systems, along with video projection and extensive audio recording facilities, were supplied and installed by Morgan Sound of Lynnwood, Washington. In addition to a DiGiCo SD-10 console, QLab show control, and Aviom personal monitoring, Morgan Sound also provided an ample selection of premium microphones from Neumann, Royer, Shure, and Sennheiser.

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



# Bastille Day 2023: 5 Lawo mc<sup>2</sup> consoles to mix the Concert de Paris



The commemoration of the storming of the Bastille on 14 July 1789, which marked the beginning of the French Revolution, is the occasion for numerous events throughout the country. For this 11th edition of the giant classical music concert at the foot of the Eiffel Tower, Lawo once again met the live sound and live broadcast requirements of the French public broadcasters and Eurovision network. Under the expert hands of Radio France and France Televisions' sound engineers,

Two mc<sup>2</sup>56 desks sharing a pair of redundant A\_\_UHD Core units were used at front of house by Nadège Antonini for the orchestra and the

overall PA mix, and by Stéphane Thouvenin for the soloist premix. A third mc<sup>2</sup>56 and an A\_\_UHD Core audio engine took care of the stage monitoring in a two-operator configuration with two separate control surfaces to offer Tahar Boukhelifa and Charles Bouticourt maximum flexibility for the execution of this complex task.

A system of passive splitters allowed more than 140 microphone sources to be routed independently to a mc<sup>2</sup>66 console controlled by Laurent Fracchia for mixing radio and television audio in a Radio France mobile production unit.



In a France Televisions OB truck, Gregory Chevalier was in charge of audio production for the national TV broadcast and international clean feed—again with an mc<sup>2</sup>56 console.

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

## Surprise Stadium gets impressive audio transformation with EAW'S AC6 ADAPTive column loudspeaker

Struggling with an aging PA system, Arizona's Surprise Stadium was looking to do a full overhaul of not only its sound quality, but the ways in which they use the PA. The city turned to Audio Specialist Ben Davis for his expertise and guidance, as well as Sound Image Integration. Davis' primary areas to tackle were the outfield and the main seating area. "The main seating area was very linear," he explains, "and the speakers in the outfield were throwing too far and splashing audio into the main grandstand, resulting in an echo. There were existing speakers hung on yolks from the canopy in a standard layout throughout the field, so there was a lot of opportunity to evolve the current technology. I looked at the ADAPTive technology from Eastern Acoustic Works (EAW®), and the AC6 ADAPTive Column Loudspeaker seemed to fit all our needs." he continues, "Our goal was to put the sound where we needed it and keep it away from the areas we didn't. That's where the pattern control of the AC6 really helped. We were able to direct the sound energy onto the seating area and the outfield to give them a much better tone. Compared to the older speaker—which was much more tuned for speech—the full range column of the AC6 provided a much more musical and smoother sound, and the coverage is a lot more even now."

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



## Crystal-clear audio conveys every syllable at Speak Jesus Windhoek

Well-known Christian evangelist and author, Angus Buchan attracted huge crowds at the recent Speak Jesus prayer day at Windhoek's FNB Vegkop Stadium.



The event, which was organised by Mighty Men Namibia, called for a professional audio system that would deliver crystal-clear audio to thousands of attendees, all of whom were eager to hear the words of worship and Christian teachings shared by Buchan. Namibia-based event production experts, dB Audio was responsible for designing and integrating the audio system. The main system comprised L/R arrays of 16 d&b V8 loudspeakers in two hangs of eight, complemented by 12 d&b B2 subwoofers, also flown in an array. For even sound distribution, a delay PA system consisting of 12 d&b Q1 loudspeakers was implemented, along with four d&b Q10 front fills, placed to enhance speech projection at the front of the audience. The system was driven by six D80 amplifiers and four D12 amplifiers. For audio mixing, the event relied on Yamaha CL5 FOH and Yamaha M7 CL48 mixing consoles, allowing the sound engineers to make real-time adjustments, both at the event and for those watching remotely through the live stream, which was supplied via a full multi-camera solution. Finally, visuals were deployed across two outdoor digital displays on either side of the stage.

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



## L-ISA spatial audio immerses audiences in vibrant Saudi Heritage for Terhal, Dragone's newest spectacular

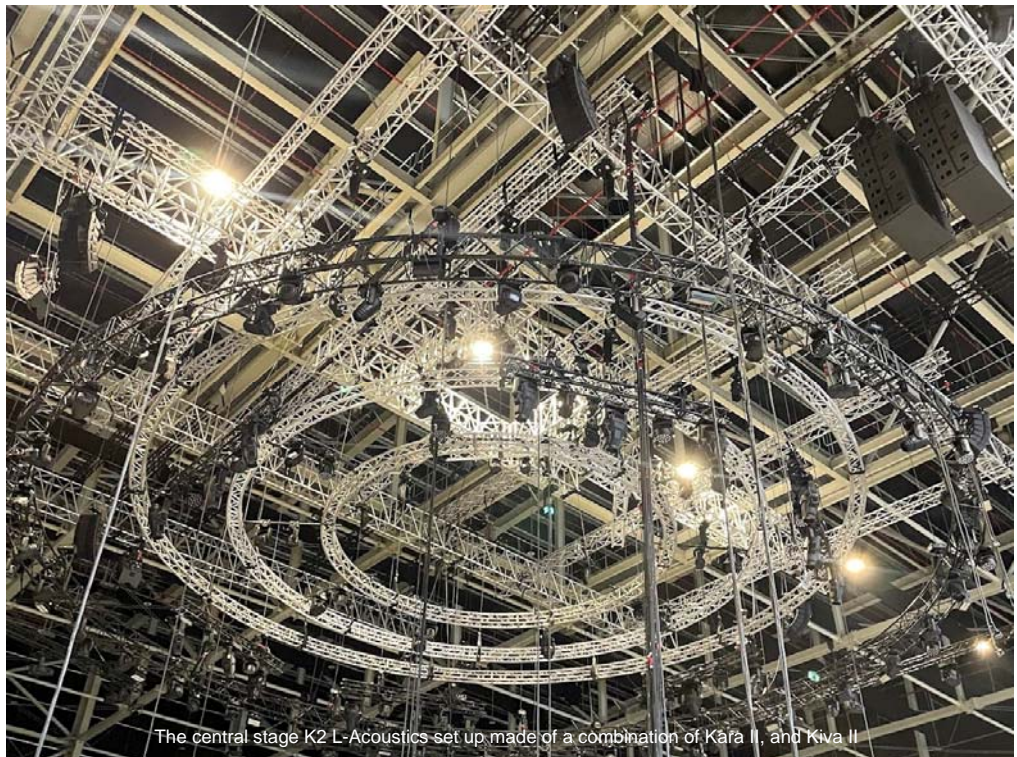
Terhal, the most recent creation by Dragone, is an original, immersive theatrical show that celebrates the rich culture of Saudi Arabia.

While the show run is temporary, to ensure that each performance is memorable, the venue housing the show is purpose-built, designed explicitly for Terhal. Delivering the large-scale production in the new venue within the allotted time frame created a great challenge for the sound team, which included Sebastian Hammond, Sound Designer, L-ISA Engineer Adriaan van der Walt, and Mix Engineer Andy Tsang.

As the venue itself was still under construction, the sound team had the opportunity to set up the main central truss system in a production facility in Dubai. This allowed the team to address rigging and cabling logistics beforehand, ensuring their time in Riyadh was as efficient as possible.

Weight restrictions were an important consideration, leading Hammond to choose a combination of L-Acoustics K2, Kara II, and Kiva II. The main system, which needed to cover an audience area that extended almost 360° around the central performance area, was provided by ten main arrays of Kiva II, complemented by two arrays of K2 and four arrays of Kara II. 28 KS28 supplied low-end extension and extra power for sound effects. Eighteen 5XT placed around the stage-lip provided spatial front-fill while twenty Syva were placed around the walls for surround.

The system was provided and installed by local L-Acoustics Certified Partner Clair Global. "We all worked together to bring this project to life, and it was crucial to have the support of a reliable and experienced team," explains Hammond. "We were very fortunate to have Clair Global handling the delivery and operations of the immersive sound and communications design."



"One of the most impactful moments of Terhal is a massive and intense sandstorm scene, which was a sensory overload in all the right ways," recalls Hammond. "Music, sound effects, lights, and video all coming together created an impactful, unforgettable moment, and having L-ISA helped us raise the bar. This was a thrilling deployment of L-ISA technology, which gave us numerous imaging possibilities."



## ULTRA Events trusts in d&b audiotechnik at Calum Scott concert

English singer-songwriter, Calum Scott, who shot to fame following his 2015 appearance on Britain's Got Talent, recently performed to a full crowd at Zevenwacht Wine Estate in Cape Town as part of his 'Bridges' album tour, supported by local artists Craig Lucas and Werner Bekker. The event, attended by 2000 fans, was organised by Breakout Events with ULTRA Events responsible for delivering the technical solutions on the day. ULTRA specified a full



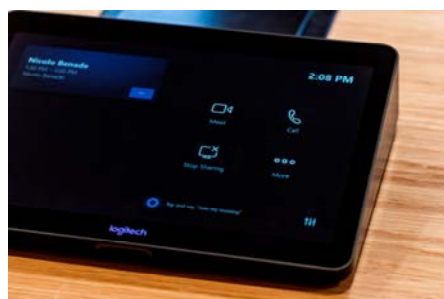
d&b audiotechnik system. The main PA system consisted of 12 d&b V8 mid-high loudspeakers, with 4 x V12 flown in L/R arrays with 8 elements per side, supplemented by 12 B22 subwoofers in a spaced CSA array. d&b M4 loudspeakers were deployed as front fills and monitors, with the whole system driven by d&b D80 power amplifiers. System design was by Ultra Events Audio HOD, Patrick Dudgeon.

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

## RFS Fund Administrators upgrades boardroom with Stage Audio Works Namibia



Namibian fund administrators, RFS Fund Administrators (RFS), recently upgraded its Windhoek headquarters with the expansion of its boardroom. The doubling in size of the space called for a brand-new audio-visual and voice conferencing system. Stage Audio Works (SAW) Namibia was contacted by RFS directly to assist with the installation of the new boardroom. In the upgraded boardroom, two Samsung 85" Crystal UHD 4K Smart TVs provide crystal-clear visuals. The conference system includes a Logitech TAP MS Teams Base Bundle, an Aver VC520 Pro2 conferencing camera, and a Sennheiser Team Connect Ceiling Mic II. The audio setup also includes an Audac Public Address Amplifier with Audac CIRA 824 QuickFit 2-way 8-inch ceiling speakers. An occupancy sensor and relays for lights provide automated control, while the Crestron 6x2 4K HDMI switcher enables seamless device integration. With these technologies, the boardroom is fully equipped to host efficient and engaging meetings. "The chosen solution ensures ease of use for the employees of RFS, alongside clarity of sound both



ways, through the Sennheiser TCC2 ceiling mic with its patented automatic dynamic beamforming microphones & Audac loudspeakers," confirms Udo Stehle, Sales Consultant at SAW Namibia.

"Furthermore, the dual screens enhance visibility and ensure improved inclusion for RFS Teams meetings."

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

## Glastonbury's acoustic stage powered by EM Acoustics

Housed inside an enormous bright red tent at this year's Glastonbury Festival, the Acoustic Stage is said to be a 'festival within a festival'. In conjunction with De Brabant Audio, EM supplied the full PA package for the Acoustic Stage. In total, eight HALO-A were used per side, accompanied with 24 Quake subwoofers deployed as a steered array to ensure even low frequency across the very wide audience area. Six R10s provided front fill, whilst two R12s acted as L/R outfill. EM Acoustics also delivered a full monitor package consisting of eight individual mixes of M-C15 coaxial passive stage monitors, an R12 and ST-218 per side as side fill, and M-C15/ST-215 drum fills to deliver focused audio specifically for the drum position. The entire system was driven by EM Acoustics' own DQ20D advanced system amplifiers in their bespoke touring racks, running on AES and fed by an XTA MX36 console switcher to handle guest consoles. One of the standout performances on Friday night was that of English singer-songwriter Seth Lakeman. Med Rann, FOH engineer for Lakeman, was delighted with the system, saying it was "Clean and punchy, and super easy to work with. Seth has a lot of what I generally refer to as 'geometry' in his vocal, which can be a challenge to deliver clearly on some systems. On tour, I usually turn to a lot of multiband dynamics to make sure he's super clear. But even busking this on the house console, I was impressed how easily his vocal sat in the PA. I give it five stars and would absolutely use it again."

[emacoustics.co.uk](http://emacoustics.co.uk)



Med Rann - FOH for Seth Lakeman



## NJP Studios chooses PMC monitors for its new Dolby Atmos studio

NJP Studios in Switzerland has become the latest in a long line of audio facilities to install a Dolby Atmos music mixing facility equipped with PMC monitoring. Owned by producer and engineer Leos Gerteis, NJP has two studios in Kusnacht, plus a third studio in Zurich that is mainly used for recording sessions. NJP Studio's new 9.1.4 Dolby Atmos room took four months to build and has PMC MB3 XBD-Active monitors for Left and Right channels, an IB2S monitor for the centre channel, and a mixture of Ci140, ci65 and ci45 monitors for the ceiling, rear and wide positions. There is also a PMC8-2 sub for bass management. All of the monitors were supplied by PMC's Swiss distributor MGM Audio.

Gerteis, who founded NJP Studios in 1988, says the decision to install an Atmos room was driven by Apple Music, which recently began offering Dolby Atmos mixes on its streaming platform. Gerteis adds that he is delighted with the service he received from MGM Audio, which has been his main supplier of professional audio equipment for many years.

[pmc-speakers.com](http://pmc-speakers.com)



## SKAN proves integral to Muse's "Will Of The People" world tour



Touring in support of their ninth studio album, *Will Of The People*, English Rock band Muse are back on the road with long time audio vendor, Skan PA Hire Building on two-decades of trust between the bespoke audio rental company and one of Britain's most intriguing and progressive bands, *Will Of The People* tour delivers with huge impact.

The band have entrusted their nuanced repertoire to FOH Engineer Marc Carolan since 2001. "I've only missed one show since!" confirms Carolan. "As musicians, they are very good at expressing specifics, so working out the audio brief for the tour is always an efficient process."

Carolan, who is supported by FOH Tech Eddie O'Brien, has used Skan PA Hire for global touring duties since 2003.

Carolan mixes on an Avid S6L, using an analogue outboard and select pieces that have worked in his favour over the last 20 years. Systems Engineer, Matt Besford-Foster (MBF), describes cutting

his teeth in large format arena touring thanks to Muse's 2015 Drones tour. "We run the fills in the opposite way you might expect, utilising the narrow dispersion in the horizontal plane, as this enables a great stereo image across the barrier line," continues MBF.

The full system comprises GSL mains, GSL sides, with KSL 180's, SL Subs on the ground and Y10Ps for Front Fill. It's deployed in a LR-LR-LR configuration, maintained within the Front Fills.

The system is driven by Lake LM44s. "Though Lake is mainly used as a matrix for the various system inputs, we output them into the four elements – L/R, Sub and Fill – and convert to Dante to run to the amplifiers.



Operating from a Quantum 7, Muse's new Monitor Engineer, Matt Napier describes DiGiCo as "still the best out there, particularly when it comes to monitors." Napier has two Universal Audio UAD Apollos running Avalon 737 plug-ins that create the 'saturated' vocal sound which goes to FOH.

For IEMs, the band uses generic Westone's UM Pro 30s.

[skanpa.co.uk](http://skanpa.co.uk)

Photos © Jose Johann Ramos-Arteaga

## K Series brings unrivaled power to SIAM Songkran Music Festival

For the 2023 edition of SIAM Songkran Music Festival held at Bangkok's Urban Yard RCA, festival producers WAVE BCG and One Asia Ventures Co. Ltd. called on One Systems Global Production to design and deploy a full-range, powerful PA to create a dynamic concert speaker system for the festival. "A powerful audio system is necessary to capture the energy of EDM music, especially in a spacious outdoor venue like the RCA," explains Mr. Anusorn



Peetiwanaphan, Front-of-House engineer for SIAM Songkran, who regularly collaborates with One Systems. Anusorn worked together with Systems Engineer Chayut Boonchuyajaroen and the One Systems team to model a concert speaker system using L-Acoustics Soundvision software that would deliver optimal coverage to the 6600 square-metre audience area. Their system design consisted of a main PA of 16 L-Acoustics K2 and six K1-SB subwoofers per side. Twelve stacks of three KS28 subwoofers were ground stacked evenly in front of the stage. Out-fill consisted of eight K2 boxes per side, while four stacks of two Kara II provided front-fill. On-stage DJ monitor systems consisted of four Kara II atop two SB18 subwoofers per side as well as a 115XT HiQ wedge. A VIP Zone at the rear of the vast audience received coverage from a delay system of four Kara II per side. The entire system was driven by 42 LA8, and 15 LA12X amplified controllers running through two L-Acoustics P1 processors.

[l-acoustics.com](http://l-acoustics.com)

[osproduction.co.th](http://osproduction.co.th)

## L-ISA excites electronic music fans at Wonderfruit Festival

After a two-year break, Wonderfruit, one of Southeast Asia's most anticipated electronic and alternative music festivals, returned to delight 25,000 festivalgoers. Among the dozen stages on the 140-acre festival site, Polygon stands out for its originality. A 2,000-plus-capacity arena, Polygon comprises a 25-metre diameter honeycomb-shaped dome. This hemispherical structure is rigged with 360° L-ISA Immersive Hyperreal Sound technology from L-Acoustics, as well as cutting-edge lighting and visual effects. The dome, which debuted at Wonderfruit in 2018, is designed to be multisensory, and even gently disperses scents to enhance festivalgoers' experience.

French DJ-producer Viken Arman was able to put L-ISA to the test in a London studio before the festival began. Ahead of his performance, Arman



also tested his live mix at the Polygon stage on-site at Wonderfruit. There, Polygon's spatial engineers, led by Davey Williamson and including Matt Gush and Matt Hill, helped him to move his percussive and modular synthesiser elements around the L-ISA system. Like the other artists, Berlin-based musician O/Y, had used an eight-point surround system before, utilising an audio interface to route eight channels to an ambisonic system. To prepare his show, he was introduced to L-ISA technology during a studio session where he began to experiment with using all 64 output channels. After that session, O/Y reorganised all his tracks' stems and re-approached the live mix, opting for a clean and concise overall mix on each of the 64 output channels without the need for bus mixes, input returns channels or master chain processing.

[l-acoustics.com](http://l-acoustics.com)

[polygon-productions.com](http://polygon-productions.com)



## Active Audio steps up with biggest-ever installation in major rail station

Active Audio is celebrating the largest deployment to date of its intelligent, steerable StepArray SA180S column loudspeakers – 64 of which are providing ultimate intelligibility as part of a unique new sound system deployment at Leuven railway station in Flemish Brabant, Belgium. The complex acoustic environment created by this mix of architectural styles, as well as restrictions on how the loudspeakers could be installed, presented the main challenges for Active Audio and system integrator TVV Sound, according to Arbane Groupe's Eric Grandmougin, who defined the system's specifications after modelling the acoustics of the station. Grandmougin explains that the design of the SA180S – which provides a 15m SPL of 97dB in a slimline 1,840mm x 124mm package – allowed his team to experiment with installing the loudspeakers horizontally, enabling them to work around the restrictions inherent in the space. "This new way of using Active Audio column loudspeakers was first tested and validated internally, before being integrated into an electroacoustic model of the station to predict the system's overall performance," he comments. "The results obtained were in line with the operator's requirements, and validation listening sessions were carried out in Belgium at our distributor, TVV Sound. This project enabled us to validate the performance of the SA108S in a horizontal position, as well as the homogeneity of the directivity."

[activeaudio.fr](http://activeaudio.fr)

[arbane-groupe.com](http://arbane-groupe.com)



## Tommex chooses CloudPower for new sports complex

Apex CloudPower amplifiers have been employed as part of a full audio system installation at the recently completed MoSiR Sports Centre in Katowice, Poland. The contract to design, deliver, and commission the audio system to meet the diverse needs of MoSiR Sports Centre was awarded to Tommex, an established distributor of professional audio equipment with a long track record of delivering high-profile stadium projects across Poland. Tommex selected a variety of RCF loudspeakers to fill numerous specific roles across this large, complex site.

Coaxial 15" P-series P 6215 speakers were employed in the athletics arena, with P 4228 2x8" speakers around the baseball field and 8" P 3108s for the multi-purpose courts. RCF MQ 80P

indoor / outdoor loudspeakers were used in the stands, while DU 31 wall-mounted loudspeakers were installed inside the club building for voice messages and background music playback. Tommex Key Account Manager, Tomasz Lulkiewicz, specified four APEX CloudPower amplifiers for the project, including one CP3004D (4 x 3000W), one CP354D (4x 350W) and a pair of CP1504Ds (4 x 1500W), all featuring integral 4 input Dante modules. The ability of CloudPower amplifiers to drive low impedance and 70/100v speakers allowed Tommex to use them to power the many different speaker models deployed across the complex. The entire audio system is connected via a Dante network, with inputs and outputs routed through a Yamaha MTX5-D audio matrix, equipped with a PGM1 multi-zone microphone and DCP4V4SEU wall controller. A mobile commentary station allows commentators to stay close to the sporting action. The commentary station is equipped with a Yamaha MG 16 XU audio mixer, Sennheiser EW 100 wireless sets with both headset and handheld mics, a Denon DN-500CB audio player, ARX BLU-DI Bluetooth receiver, and M-Audio BX5 listening monitor.

[apex-audio.be](http://apex-audio.be)

[tommex.pl](http://tommex.pl)



## Loyle Carner headlines Wembley Arena with tour support from BRIT ROW

The English hip hop musician played his biggest hometown concert to date with equipment, technical support and personnel from Britannia Row Productions.

FOH Engineer INBLOOM and Monitor Engineer Michael Njuguna have been integral in the development of BRIT Award nominee, Loyle Carner's, step into full band and production touring. "This campaign centres around the new record Hugo, a real shift from his previous albums and DJ tours," states INBLOOM. This shift delighted critics; the album scored multiple 5-star reviews, with the Guardian declaring it 'a beautiful, blistering masterpiece.'

Working closely with Musical Director Avi Barath and a new five-piece band in combination with playback, Hugo sees the rapper move seamlessly into a new and exciting era of live performance. "Overall the show marries two characters; the former being light, bouncy and abundantly youthful and the latter wiser and darker," adds INBLOOM, noting how the rapper has progressed artistically.

Reassured by Brit Row's vast inventory, ongoing support, and the consistency provided by Account Exec, Ed Shackleton, INBLOOM chose a rig that centres around DiGiCo; an SD12 for the smaller venues, Quantum 5 for the large-scale Wembley production.

"I use four UAD Live-Racks for my channels and group processing via inserts from my console. The processing comes from the UAD system, which is doing 80% of the mix and is static. "I also have Waves inserted on a handful of channels via two Waves Extreme C Servers which allows final corrective processing using Torque, C6, and Vitamin plug-ins. This is where the main channel processing for the Wembley guest vocalists took place. We had eight guests on stage, so flexibility was incredibly important."



Loyle Carner  
FOH engineer  
INBLOOM

For Carner, the vocal has a different processing path via the analogue domain. "His vocal runs through a Neve 5045 Primary Source Enhancer to a Hazelrigg VNC (Tube Preamp and EQ) and then to a Hazelrigg VNE (Tube compressor). Outside the Quantum 5 and UAD/Waves systems, I have a Neve 5059 summing mixer, summing groups from the console to two stereo busses, (all instruments and vocals) which both add a healthy amount of drive via the 'Silk' feature," continues INBLOOM.

"Both busses return to the console, where I have additional UAD processing on the instrument buss (for final glue via API-2500 and Pultec EQ). Both vocals and instruments sum together on the final mix group with UAD's Shadow Hills Mastering Compressor, Chandler Limiter Curve bender, Oxford Limiter inserted."

For microphones, it's Shure KSM11's for main and spare via the Shure Axient RF system.

Bringing in a full PA for the first time on the tour, Wembley called for Brit Row Systems Engineer, Sergiy Zhytnikov's expertise. Opting for main hangs of L-Acoustics K1 over K2, with KS28s

flown behind in a cardioid configuration and K2 side hangs, Zhytnikov placed cardioid subs on the ground in a delayed arc, with A10s and A15s for front and out fill needs. Completing the design were K2 side hangs, and K2 delays positioned behind FOH. "The system was driven in redundancy AVB via P1s, which were used as a matrix to ingest support desks as well as driving the analogue backups," says INBLOOM. "Tuning was through the M1 platform of the P1, and system amplification was via L-Acoustics LA12Xs. Sergiy did an amazing job in setting this up - especially under the time pressures of the day!"

In monitor world, engineer Michael Njuguna advocates for high levels of trust between artists and monitor crews, especially in the largest venue on the tour. Mixing 16 separate mixes at Wembley, differing from each guest musician's choice of in-ears, stage position and tonality preference, Njuguna has also chosen DiGiCo control.

## Patna Women's College's new auditorium gains world-class audio system centred on Allen & Heath's Avantis

Patna Women's College has set a new benchmark in providing world-class audio systems with the installation of Allen & Heath's Avantis mixer in its newly built 2,500-seater Veronica auditorium. The college, which was founded in 1940 and was the first higher education



institution for women in Bihar, recently invested in the best-in-class audio, video, and lighting systems, all handled by Punjab-based company SOUNDXPERTS, who were selected to undertake the project on a turn-key basis. Allen & Heath's Avantis mixer plays a pivotal role in handling the various purposes of the large venue, with one console handling the main Front of House mix, and a second Avantis also serving as a monitor console on the stage. An Allen & Heath AHM-32 audio matrix processor, integrated via an S-Link card connected to a DX168 and DX012 expander, controls the main PA and all surrounds, and offers a preset recall feature from the front panel that can change the auditorium from a live venue to a cinema with ease. SOUNDXPERTS, who were able to deliver the project within the stipulated time frame, worked closely with Sun Infonet, purchasing and installing recommended products from leading audio brands such as Shure, Audio Focus and Quest Engineering in addition to Allen & Heath.

[allen-heath.com](http://allen-heath.com)

## The Ghost Inside make a mighty comeback with Allen & Heath's dLive



American metalcore band The Ghost Inside has concluded their highly anticipated European tour. Front of House engineer Bryan Greenberg chose to work with an Allen & Heath dLive system to ensure The Ghost Inside's electrifying performances would captivate audiences with high-quality immersive sound. The FOH setup featured a dLive CTI1500 control surface and CDM32 MixRack provided by rental company Solotech. The Ghost Inside's long-awaited return to Europe successfully delivered their signature hard-hitting sound with the help of dLive's XCVI processing core providing ultra-low latency and phase coherent mix outputs.

The tour-friendly dLive system also made handling the mix for the crowds of happy fans a great experience for the FOH engineer.

[allen-heath.com](http://allen-heath.com)

Photos © Volca Media

## Meyer Sound shakes up stadium concert paradigms on Metallica's epic "M72 World Tour"

Metallica, a creative powerhouse lauded as one of rock's preeminent bands, continues to break new ground with the dynamic, in-the-round production for the global, two-year "M72 World Tour" that recently kicked off in Europe. Throughout the tour, the band's sound is immersing the entire audience — at full bandwidth across a broad stereo landscape — through a Meyer Sound system comprising a record 288 PANTHER™ large-format linear line array loudspeakers. The gargantuan "M72 World Tour" system is deployed in three concentric rings. The outer ring arrays are suspended from eight towers, with two PANTHER arrays on each tower: 16 cabinets per array on the four long-side towers and 13 cabinets on the four short-side towers. The inner system, suspended from a web over the stage, has eight hangs of seven-each PANTHER line array loudspeakers. The "doughnut hole" in the stage center is covered by eight UPQ-D2™ loudspeakers, while the outer side of the ring employs 20 ULTRA-X40™ as front fill. Ground sub-bass is powered by eight sets of 2x 1100-LFC elements around the stage. The entire system is connected, controlled, and monitored over three MILAN AVB networks. One network connects Milan directly to all 288 PANTHER loudspeakers via 10 Galileo® GALAXY 408 and two Galileo® GALAXY 816 Network Platforms using a fiber network incorporating 26 Luminex Gigacore switches. The other two networks are primary and secondary networks for signal distribution and monitoring of the remaining analog Meyer Sound loudspeakers as well as providing redundant analog inputs to the PANTHER loudspeakers. The three networks comprise 52 Luminex switches and 35 GALAXY Network Platforms. Meyer Sound's new Nebra™ software platform manages all network configuration, connection, and real-time system monitoring.

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



## PANTHER roams North Georgia before summer stay at Atlanta Shed

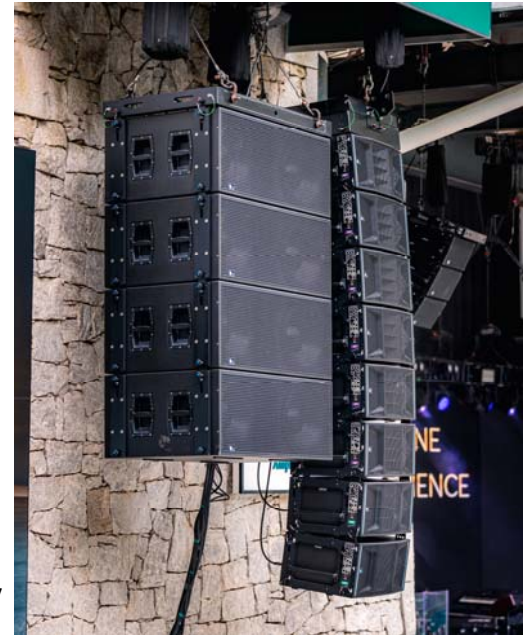
A new reinforcement system, based around Meyer Sound PANTHER™ large-format linear line array loudspeakers, has landed for a summer residence at the Cadence Bank Amphitheatre in North Atlanta's Chastain Park. The summer concert series is promoted by



Live Nation, and Music Matters Productions was again selected to be the audio supplier for the season. The 2023 summer shows kicked off on May 6 with Jill Scott, but no other Live Nation shows were scheduled until Charlie Puth on May 28. In the interim, Music Matters' new PANTHER system travelled to the University of Georgia at Athens for commencement ceremonies at Sanford Stadium on May 12. On May 20 and 21, the rig was deployed at the Ameris Bank Amphitheatre in Alpharetta for back-to-back concerts, first with Hank Williams, Jr. and the following evening with the Atlanta Symphony. Music Matters committed to an investment in PANTHER even though, at the decision point, the company principals had yet to hear a system. "We had a tight deadline to meet, having ordered the boxes in February and with a show the first week of May. But they arrived on May 1, we flew them on May 3, and everything went up and tuned perfectly. We were ready to go

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

Photo © Music Matters Productions





## **buynsellAVL.com** is the easy step to taking your AV sales online with your own e-commerce store

Unlike the usual Pro Audio/Video/Lighting marketplace websites, buynsellAVL.com is not a strictly "used-gear" site. Ideal for brands and distributors to have a very affordable online store for directly sourcing the interest of new customers.

*Pay 0% Commission on all sales*

*Sign up is free  
No payment required*

*Create your own online store  
Personal or Business account*

*Buyers can contact Sellers directly  
via email, messaging apps, mobile*

*List up to 4 images per post*

*List as New or Used*

*Link a product or demo video*

*50 days visibility for free listing  
100 days visibility for paid listing*

### Latest items

Sell



HARMAN

ULTRAMD AUDIO

Podcast Par  
USB Type-C

Podcaster Essentials Bundle

1 month ago

\$399.00

♡

Sell



Sennheiser Momentum True Wireless 2 (75th Anniversary)

2 months ago

\$199.00

♡

0% commission on every sale

www.buynsellAVL.com

## KV2 Audio VHD5.0 Mid Hi Module and VHD5.1 Downfill



PROAUDIO MAGAZINE

EDITOR'S  
CHOICE

The VHD5 Constant Power Point Source System is a true feat of engineering. Over five years in development it brings the benefits of point source technology to large-scale concert sound reinforcement. The system delivers audio over large areas with clarity and definition simply not achievable from the digitally processed line arrays that are so commonly used today.

The **VHD5.0** is a three-way enclosure handling low mids, mids and highs over a frequency range from 45Hz through to 20kHz. It incorporates eight front-loaded ten inch low mid drivers, six horn-loaded eight inch mid range drivers and three 3" NVPD (Nitrate Vapour Particle Deposition) Titanium compression drivers on a custom designed, manifold horn assembly with summing waveguide. With the capacity to run full range down to 45Hz the VHD5.0 is usually crossed over at 70Hz to the VHD4.21 Active Sub Bass Modules. Both the VHD5.0 and VHD8.10 cabinets incorporate very simple to use integrated fly ware that links cabinets together quickly and easily.

Continuing KV2 Audio's current technology statement through Constant PowerPoint Source Array design, **VHD5.1** is a dedicated downfill performance enclosure and integral to the VHD5.0 system for the largest of events to audiences from 10,000 upwards without requirement for additional delay systems. A three-way design featuring a 3" high frequency compression driver with NVPD treated dome assembly; one horn loaded 8" mid range woofer featuring AIC technology and six front loaded 10" low mid woofers. All speaker components employ neodymium magnets to increase force, improve control and reduce weight.



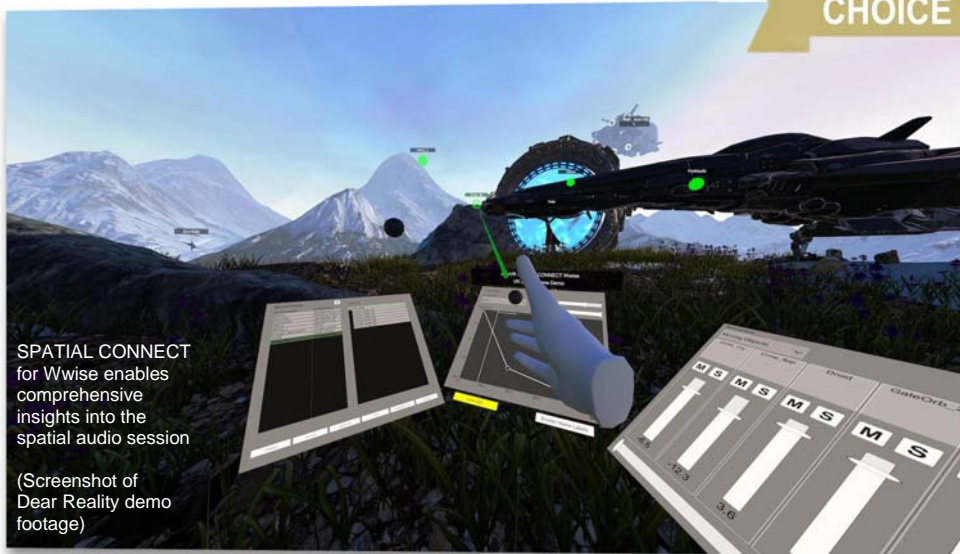
Click this link for more information at [www.kv2audio.com/products/vhd5.html](http://www.kv2audio.com/products/vhd5.html)

# Dear Reality announces SPATIAL CONNECT for Wwise®

## The next level of interactive XR audio production



Immersive audio expert Dear Reality has announced its “SPATIAL CONNECT for Wwise” project, which will enable game audio designers to work fully immersed in interactive VR and AR audio productions. This in-game, in-headset mixing workflow was developed in close collaboration with game studios and with technical support from Audiokinetic, manufacturer of the Wwise audio middleware. SPATIAL CONNECT for Wwise will massively improve the workflow for next-generation XR productions, providing a revolutionary in-headset control of Wwise sessions.



Audio production for VR and AR games or XR experiences can be tiresome, as today’s workflow requires audio designers to switch between previewing their work with a VR headset and making changes on a desktop PC.

With SPATIAL CONNECT for Wwise, game audio engineers can mix directly in the headset, reducing context switching and enabling them to work intuitively on spatial audio in the immersive environment itself. The project is technically supported by Audiokinetic, whose development team added certain features in their Wwise audio middleware that allowed for that new workflow. Watch a demo video here.

“Dear Reality’s SPATIAL CONNECT for Wwise is a game changer when mixing immersive audio for XR projects,” says Christian Sander, CEO and co-founder of Dear Reality. “Eliminating the tiresome and time-consuming switching between the in-headset review of the VR experience and the Wwise editing process on a desktop screen is a dream come true for game audio designers.”



Dear Reality started out with a comprehensive analysis of existing production workflows and carefully selected the steps that were to be transferred to the virtual space. Here, gesture-controlled audio mixing offers an enhanced perception of the scene and enables game audio designers to handle the 3D space more intuitively by working in context. Audio designers can control levels, attenuation curves as well as maximum distances and are immediately able to perceive the final user experience and spatial mix.

SPATIAL CONNECT for Wwise also allows game audio engineers to spot hard-to-find problematic sounds and understand the spatial audio session in the game by visualizing the location of active sound events directly in the VR headset and providing the means to intuitively modify the most critical audio parameters. “We are very excited about the SPATIAL CONNECT for Wwise project and will soon be sharing more updates on the project,” concludes Sander. “We also welcome new collaborations within the gaming and XR industries.”

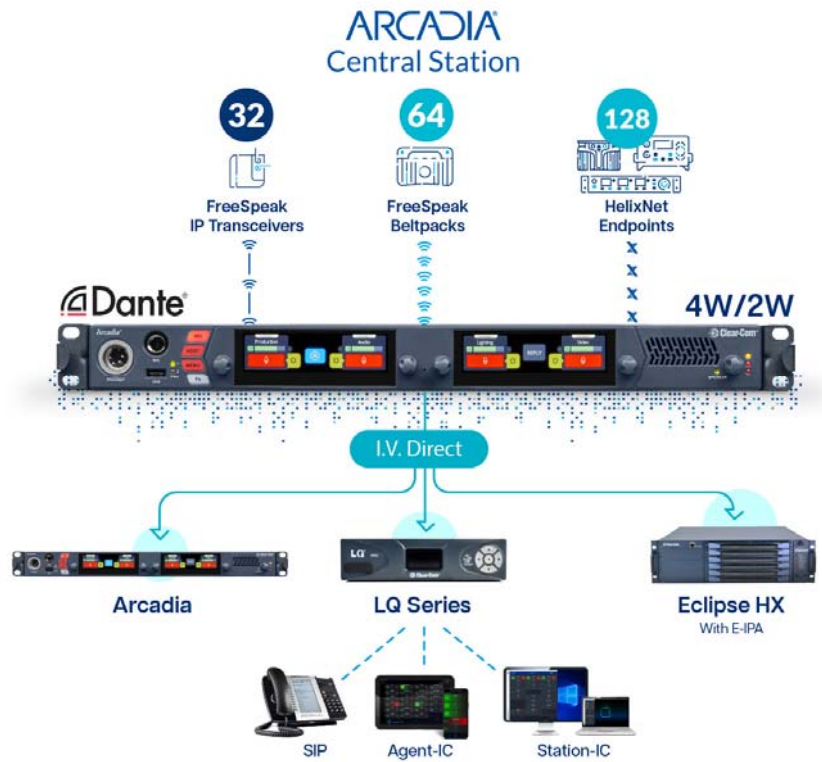


Click this link for more information at [www.dear-reality.com/wwise](http://www.dear-reality.com/wwise)

## Update to Clear-Com's Arcadia Central Station

Clear-Com® is proud to announce new features for Arcadia® Central Station with the addition of I.V. Direct™, an IP interfacing feature that connects Arcadia and the LQ® Series of IP Interfaces, Eclipse® HX Digital Matrix System (via E-IPA card), and other Arcadia systems over LAN, WAN, or Internet. The update will also provide a substantial increase in capacity for FreeSpeak® beltpacks, transceivers, and HelixNet® endpoints, making Arcadia the most powerful 1RU intercom device on the market with support for 285 input/output connections on a single system. The I.V. Direct connections will allow intercom audio, logic controls, and call signals to be passed between separately managed Clear-Com systems and assigned to channels, groups, and keys in the individual systems. Interfacing with LQ will allow Arcadia users to expand their analog connections using 2-wire, 4-wire and GPIO ports and support Clear-Com's Agent-IC® and Station-IC™ virtual clients, two-way radios, and SIP telephony, without the need for multiple audio and control cables allowing for full integration of all team members who need to communicate.

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



## Adamson updates Blueprint AV software

Adamson has released Blueprint AVTM version 1.3.3, an update with support for new loudspeakers and current OS Version Mac support. The complete range of IS Series loudspeakers is now available for design and simulation with Blueprint AV. The new coaxial point source, the recently announced IS7c joins the IS5c and IS213, which were added last year. The latest version also improves the Mac installer experience and fully supports macOS Ventura and Apple Silicon computers. Blueprint AV has been the fundamental system design and simulation solution for Adamson's Product family since 2013. Recently, Blueprint AV functionality has been added to Adamson's recently released ArrayIntelligence software, which adds control and monitoring of Adamson's CS-Series loudspeaker range and associated rack units such as the Gateway and Bridge. System designers and installers can use either Blueprint AV or ArrayIntelligence to accurately and efficiently design their systems and streamline their deployment.

To access the latest version of Blueprint AV, visit:

[www.adamsonsystems.com/support/downloads-directory/design-and-control/blueprint-av](http://www.adamsonsystems.com/support/downloads-directory/design-and-control/blueprint-av)





## DPA DRK4001 ultimate recording microphone kit



As the name suggests, this is their flagship microphone bundle – a truly amazing “ultimate” studio recording kit, filled to the brim with tons of the best professional mics, mounts, clips and other accessories available on the market. With three full layers of goodies; containing 25+ top-of-the-line, professional DPA condenser microphones and close to 100 functional accessories, there is no other kit that can handle miking a full-service recording studio in such style. The DRK4001 Ultimate Recording Kit features even more top-of-the-line professional microphones to make a trip to the recording studio a breeze. Over two-dozen DPA condenser microphones and close to 100 functional accessories sit within this case, making it possible to mic any instrument imaginable. No other kit available can handle miking a full-service recording studio in such style. As DPA prioritizes versatility, the DRK4001 can additionally aid in live-stage recordings.

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

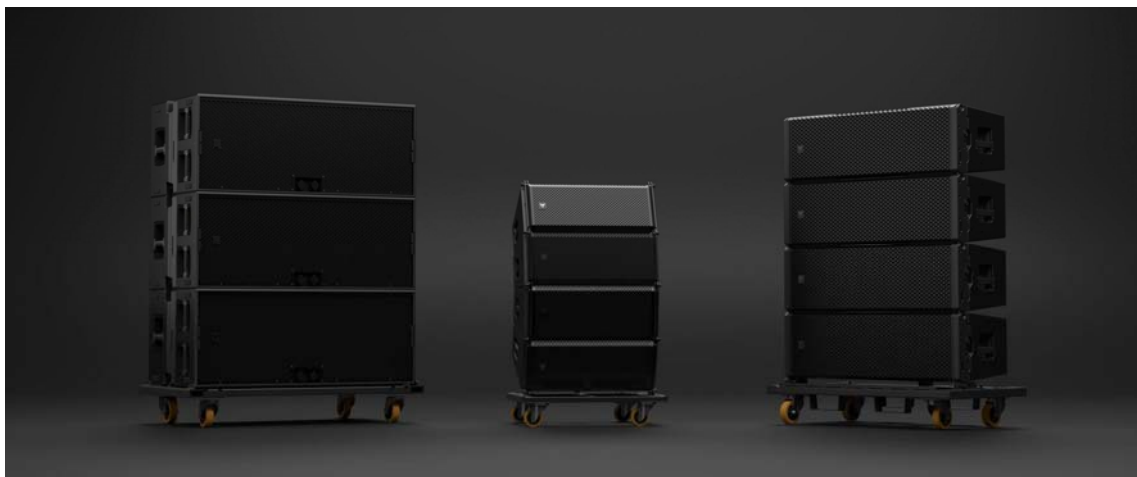
## Prism Sound Dream ADA-128 multichannel converter



Designed to suit the needs of a wide range of audio professionals, Prism Sound’s Dream ADA-128 is a modular audio conversion system offering up to 128 channels of 32-bit A/D and D/A conversion at sample rates of up to 768kHz. It is both a conversion system and a high-performance, networkable audio distribution and processing system, with a flexible 2RU mainframe that can be fitted with up to 16 analogue and digital IO modules (each of which nominally provides eight input or output ports, or both). Up to four host modules provide bidirectional multi-channel connections to host computers, workstations, networks etc, with the ADA-128 providing free routing between all of these inputs and outputs under detailed user control, as well as a wide range of processing functions.

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

## TT+ AUDIO GTX Line Array System

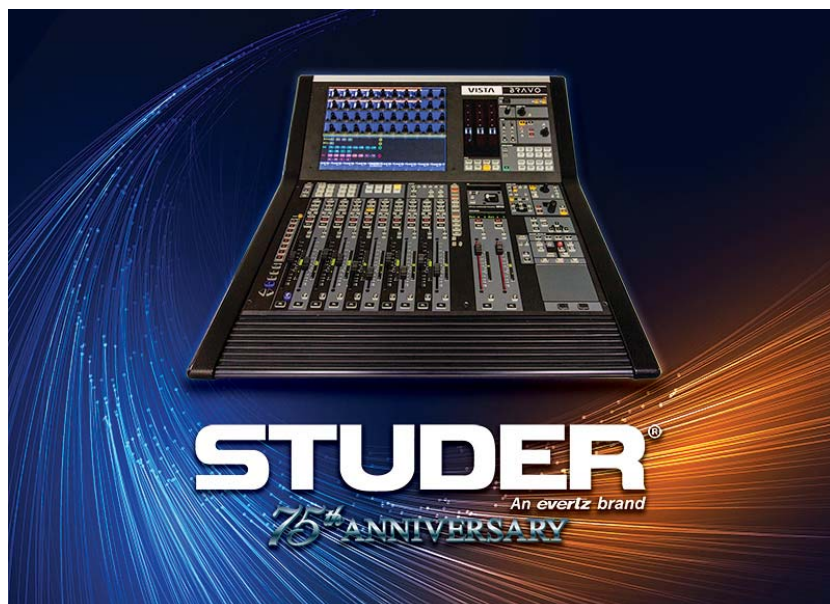


TT+ AUDIO's new GTX Line Array System begins with a forward-thinking external amplifier concept and adds innovations in electronics, transducer design, cabling and rigging hardware. The result is a line array system that addresses the full range of challenges faced by touring sound professionals and large-venue system installers while offering ground-breaking performance and sound quality. Unlike other TT+ AUDIO products, the new GTX system separates the power amplification from the loudspeaker enclosure, moving it to newly designed touring racks, each with up to three XPS 16K 4-channel DSP amplifiers and including AC power, signal routing and network connections. GTX models include the GTX 12 three-way line array module, GTX 10 two-way line array module, and GTS 29 high-performance subwoofer. TT+ AUDIO's RDNet management platform, now in version 5.0, comes with the new design, modeling, and simulation platform Shape D3D.

[ttaudio.co](http://ttaudio.co)

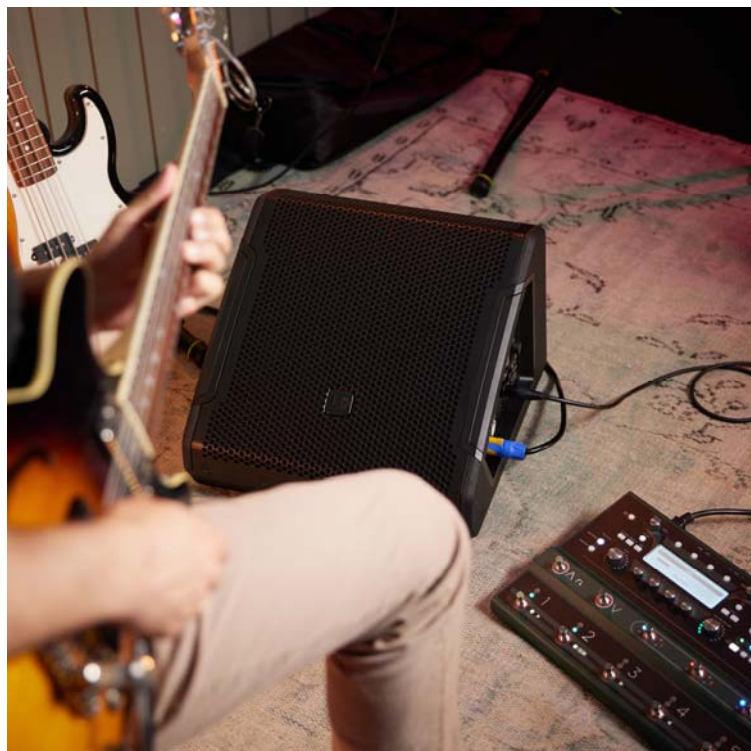
## Evertz unveils new tools for live production workflows

Since acquiring Studer in 2021, Evertz has integrated the brand's Vista digital mixing consoles into its own Software Defined Video Networking (SDVN) platform. These acclaimed consoles now support SMPTE ST 2110, making them an important addition to Evertz' live production workflows, which are leading the industry's transition to IP. Evertz has also brought all the power of Studer Vista to its DreamCatcher™ BRAVO Studio virtual production control suite, which allows users to quickly and easily produce high quality live content at a lower cost. Another innovation to the Studer Vista range is the expanded Vista control using the Evertz VUE Intelligent User Interface. Now offering over 2000 bidirectional controls, the combination of Vista and VUE has created the ideal tool for multiple small production suites and remote productions. Other developments to BRAVO Studio, which is fast becoming the 'go-to' collaborative, software-based live production platform for content creators and broadcasters. These include the new 'Highlight Factory', where clips and stories are automatically created using AI technology, and published to Ease Live where users can pick their own highlights. The 'Highlight Factory' is an additional co-pilot for BRAVO Studio that uses advanced data-driven features to help automate and simplify production workflows and give small creative teams of all skill levels high-quality and consistency throughout the production.



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

## LD Systems presents new MON G3 Series of stage monitors



LD Systems presents its new MON G3 Series. This third generation of active stage monitors has been completely redesigned, both technically and visually, and offers discerning musicians, bands, DJs and event technology service providers the ideal mix of robustness, versatility and full-range sound quality.

With their coaxial speaker design, integrated DSP functions and versatile connection options, the MON G3 units can be integrated extremely flexibly into different stage setups – whether it is as a classic monitor at the edge of the stage, as a specific monitoring solution for DJs, entertainers and speakers, or as a PA speaker on a stand.

The MON G3 Series includes four models in the sizes 8", 10", 12" and 15".

In the development of the new MON G3 Series, LD Systems was guided by the features and functions of high-priced stage monitors that are used at large events and on tours. Thus, the MON G3 models are based on a newly developed combination of woofer and titanium tweeter in a compact coaxial design, which provide a consistent sound even away from the ideal listening axis as well as from a short

distance – for example, as stereo monitor speakers on a DJ desk. In addition, the integrated CD horn, with its optimised dispersion pattern of 50° (h) x 90° (v), ensures a clean and separated sound image as soon as several monitors with different monitor mixes are used on stage.

The active MON G3 Series is driven by a highly efficient Class D power amplifier with 300 W RMS and up to 1,200 W peak power, which means that the stage monitors can easily assert themselves even on loud stages. Thanks to the integrated heat sink, the MON G3 models operate without a fan and are thus also suitable for noise-sensitive use at lectures, panel discussions or unplugged gigs.

The new second-generation DynX DSP offers users a wide range of customisation options. The sound of the stage monitor can be precisely adjusted to different monitor setups and stage requirements via a 3-band EQ, four EQ presets, a notch filter, and a delay function. On the connection side, there are PowerCon-compatible mains sockets (in/out), two line inputs with XLR jack combo socket, and two XLR Thru outputs for the loop connection of additional monitors.



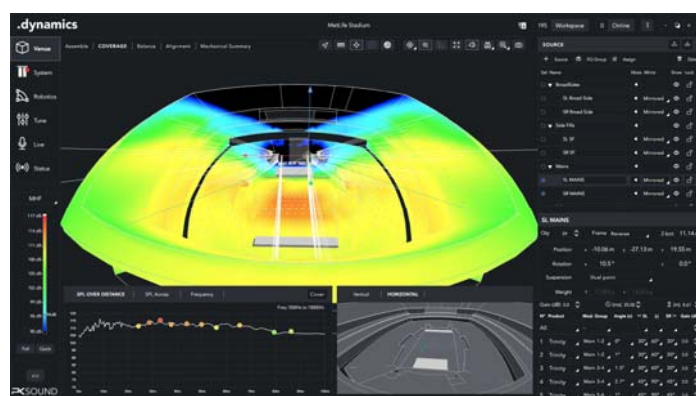
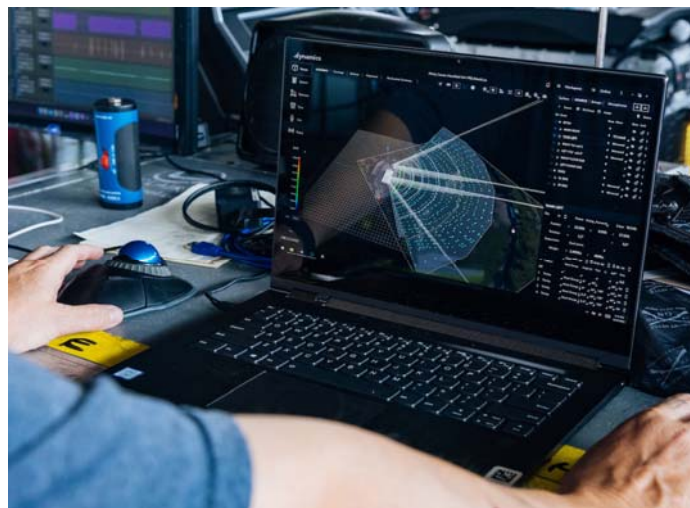
The MON G3 Series offers a modern design that has been redesigned from the ground up. All connections, controls and carrying handles are located on the sides of the enclosure, which not only facilitates access on stage, but also protects against knocks and accidental adjustments due to the recessed arrangement. The MON G3 Series is rounded off by a robust polyurea coating, a sturdy speaker grille and a 36 mm flange on the side for vertical use as a PA speaker on a speaker stand. For the latter, all MON G3 models offer a standalone full-range mode as a selectable DSP preset.

**ld-systems.com**  
**adamhall.com**

## PK Sound .dynamics V1.0

PK Sound, the robotic line array company, has formally released V1.0 of its PK .dynamics robotic system control software for Windows and macOS. Combining every stage of the modern live sound workflow in a single solution, .dynamics lets users take their designs from conception to the real world with the flexibility of real-time coverage adjustments even after the system is flown. The toolset provided in .dynamics V1.0 includes: the Venue tab, where users create, simulate, and prepare the virtual workspace; the System tab, where they discover, identify, and match real-world sources with the simulation; Robotics, where the system's multi-axis coverage is articulated and optimized; Tune, where users apply EQ and adjust system parameters through onboard DSP; Live, where users monitor system performance in real-time; and Status, where they can manage diagnostics and log service notes directly in the loudspeaker modules if needed. Built on an Electron backbone, PK .dynamics employs HTML5, Sass, and TypeScript to provide a robust user experience and modern design. Leveraging a microservice-based architecture for flexibility and scalability, the application offers a consistently evolving feature set. This architecture allows .dynamics to drive PK Sound products using the AES70 standard over a Milan-ready AVB network.

[pksound.ca](http://pksound.ca)



## DiGiCo Quantum852

The Quantum852 represents a significant leap forward in processing power and boasts a 1000 nit LCD screens that ensure visibility even in full daylight. Coupled with a newly designed worksurface, users can be confident that, in line with the DiGiCo ethos, Quantum852 has been meticulously engineered not just for now but for the future as well. Equipped with an array of eco-friendly credentials, Quantum852 also boasts an impressive technical specification. This includes fully redundant processing, with each engine powered by five of the latest seventh generation FPGAs and the next-generation SHARC DSP processors. The input count for Quantum852 is expanded to 384 mono channels, accompanied by 192 Aux / Sub-Group busses, in addition to the familiar LR / LCR / 5.1 Master busses. Furthermore, it features a 64 x 64 Processing Matrix, 36 Control Groups, two Solo busses, and 64 FX Rack slots. The console is equipped with 48 Graphic EQs, 384 Nodal Processors, 128 Mustard Processors, and 32 Spice Racks.



[digico.biz](http://digico.biz)

## RCF NX 945-A, 932-A

The NX 9 series is masterfully engineered to deliver stellar audio performances for solo musicians, bands, and DJs. The new bi-amplified 2100 W electroacoustic design provides impressive sound pressure levels, when used in open-air and at long distances, with remarkable sound quality. The combination of purpose-designed transducers, advanced DSP processing, and a constant directivity waveguide produces coherent coverage on the listening area with distortion-free sound. NX 9 Series includes RCF exclusive FIRPHASE and Bass Motion Control algorithms, perfectly tuned for each model, and delivers absolute clarity for vocal reproduction and deep, powerful bass response. RCF durability and reliability are always built-in. The tour-ready, rugged all-wood cabinet is easy to carry and can be pole-, flown-, wall-, or truss-mounted using the multiple rigging points available. The most powerful amplifier in its class. RCF's improvements in transducer design make them stronger and powerful, so the amplifier follows the evolution. With 2100W power, the 2-channel NX 9 Class-D amplifier is 50% more powerful than previous models, able to manage extreme sound pressure levels with an ultra-fast attack, realistic transient response, and very low heat loss.



[rcf.it](http://rcf.it)

## RCF SUB 702-AS MK3, SUB-705-AS MK3

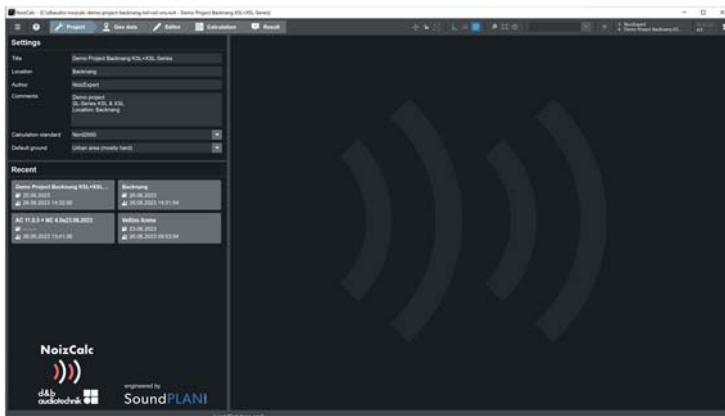


RCF has launched the mk3 models of the SUB 702-AS, SUB 705-AS and SUB 708-A which feature several improvements over the mk2 versions. The new features improve the sound quality, appearance, and durability of the products, while the dimensions of the enclosures remain unchanged. All new shipments of the mk2 model will be automatically upgraded to the mk3 version. The new SUB 7 Series mk3 models feature: State-of-the-art transducers and a 1400 Watts class-D amplifier; Up to 131 dB of maximum sound pressure level; Proprietary DSP algorithms, including Bass Motion Control for accurate power handling; Durable birch plywood enclosure with heavy-duty polyurea coating and powder-coated metal grille.

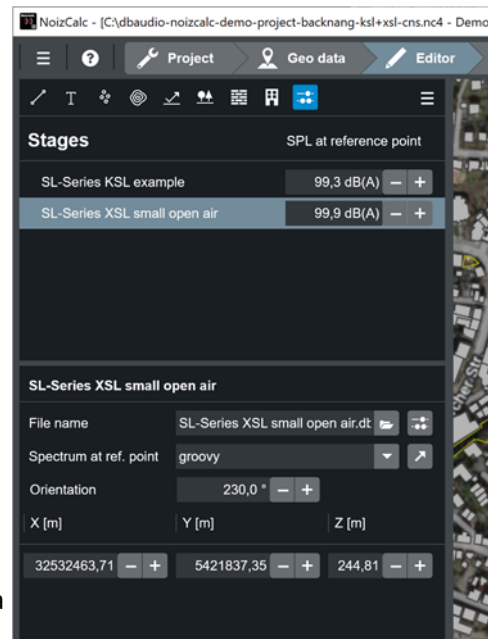
[rcf.it](http://rcf.it)

## d&b unveils NoizCalc 4.0

d&b audiotechnik, a worldwide provider of professional audio technology and AVLM solutions, has today announced the availability of NoizCalc 4.0 software, the latest version of its advanced simulation tool designed to accurately predict noise arising



from outdoor events equipped with d&b systems. Version 4.0 features a range of enhancements over previous versions, including a new Graphical User Interface and an optimised workflow to ensure an accessible and intuitive user experience. Among the enhancements are greater similarity and alignment with ArrayCalc and the R1 remote control software, so users of those tools will immediately find themselves in a familiar environment, without too steep a learning curve. NoizCalc enables proactive noise management in advance of an event. Using system data from d&b ArrayCalc project files, along with geodata from Google Maps and OpenStreetMap, the software calculates a grid noise map, which accurately predicts any potential noise issues in the surrounding neighborhood. NoizCalc allows the user to identify, at the design stage, any potential noise issues – the advantage being that these can then be dealt with proactively, in advance of the production being setup.



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

## Allen & Heath CQ Series

Allen & Heath has unveiled its new CQ series, a trio of compact digital mixers for musicians and bands, audio engineers, home producers, small venues, and AV installers, that places ease of use and speed of setup firmly at the heart of the user experience. Built around an innovative new 96kHz processing engine, the series comprises the CQ-12T and CQ-18T desktop mixers featuring tactile controls and a 7" multi-touch screen, and the portable CQ-20B stage box mixer, all controllable via the companion CQ apps. The CQ series is supported by a pair of free multi-platform apps. The CQ-MixPad app enables remote control of the mixer from anywhere in the venue, while the CQ4You app empowers performers to take control of their personal monitor mix via their mobile devices.



[allen-heath.com](http://allen-heath.com)

## Adamson IS7c

Augmenting their installation-focused, high-performance IS-Series of loudspeakers, Adamson is debuting their new IS7c ultra-compact, light-weight, passive 2-way coaxial speaker. The IS7c sports an ND7-C co-axial transducer utilizing Adamson's Advanced Cone Architecture, which exhibits superior performance in the upper mid-range, as well as incomparable durability. The IS7c offers a frequency range of 80Hz to 20 kHz with 130 dB of maximum peak SPL, as well as a nominal concentric dispersion of 90 degrees. Rigging points are available in the form of top and bottom mini-SLR discs, each containing 3/8" threaded insert. Two Speakon™ NL4 connectors and a 2-point barrier strip are available for connection.

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



## Adamson releases ArrayIntelligence

Following extensive rounds of beta testing in mobile and installation environments, Adamson has publicly released the Windows version of its ArrayIntelligence software. The new software supports design for any Adamson system and full control and monitoring of CS-Series loudspeakers. The ArrayIntelligence application was designed with professional workflow and ergonomics in mind. The software is logically laid out to move from design & simulation to configuring I/O & routing, through to system control, metering and diagnostics. Much of the design and simulation technology from Blueprint AV has been modified to allow for integration of identifiable and controllable endpoints into the workflow. In addition, ArrayIntelligence allows for easy implementation of multi-layer DSP zoning and grouping, auto-



detection of online devices, use of Adamson's proprietary optimization algorithm to fine-tune line array performance and many other exciting new features. The legacy software Blueprint AV will continue to be supported for system design. Over the past year, an extensive platform development and beta test program has seen hundreds of deployments created and controlled with ArrayIntelligence. The process has led to a regular beta release schedule to test new functionality.

To access ArrayIntelligence, get regular updates and learn about future functionality, please register at this link: [www.adamsonsystems.com/product/system-control/arrayintelligence-software](http://www.adamsonsystems.com/product/system-control/arrayintelligence-software)

## NEXO expands industry-standard P+ Series point source speaker range with new P18 and L20

Building on the company's acclaimed expertise in compact, high-output, point source loudspeakers, NEXO's P+ Series proved an instant hit following the launch of the P12 back in 2019. Widely installed in theatres, halls, sports stadia and hospitality settings, and highly valued as essential inventory for countless rental and event production companies around the world, the P+ Series now expands with the launch of the new the P18 and L20 sub.

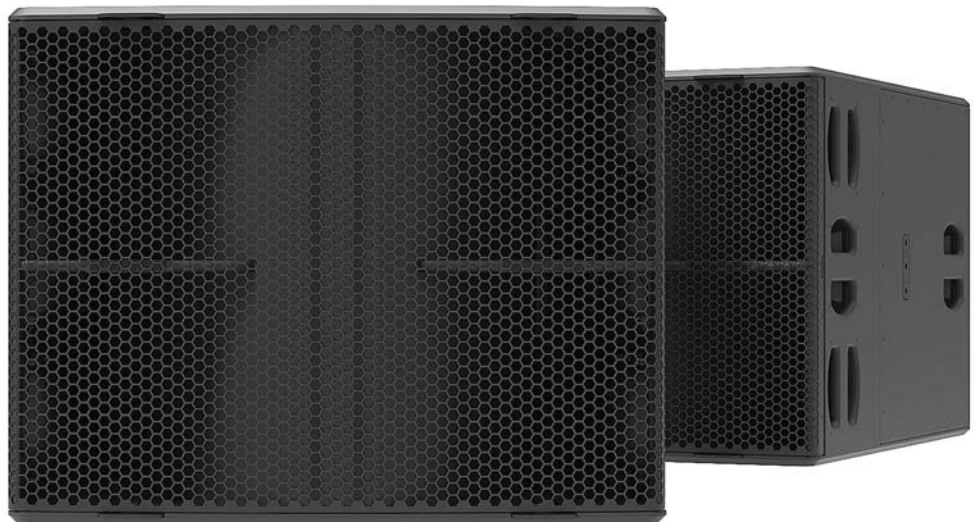
Joining a range that already includes P8, P10, P12 and P15 models, the new P18 employs a long-excursion, Neodymium 18-inch LF / 4-inch diaphragm HF coaxial driver in a curvilinear enclosure of custom birch and poplar plywood.

The cabinet footprint is relatively compact, measuring 680mm x 579mm x 446mm. Frequency response is 50Hz-20kHz, and the SPL is an impressive 140dB Peak (passive mode) / 142dB Peak (active mode).

Like other speakers in the P+ Series, versatility of the P18 is enhanced by an ingenious system for varying HF coverage patterns. Horn flanges can be interchanged to deliver a choice of directivities – from the 60°x 60° that is provided as standard, to a 90°x 40° or an asymmetrical 50°- 90°x 40°.

Switching between different directivities can be accomplished in just 15 seconds, easily removing the steel grille with a coin and replacing the flare, which uses a magnetic fixing.

The new P18 is available in Touring, Installation (passive only) and hybrid TIS versions. In the Touring version, two large handles on each side hold a 35mm pole stand adaptor and Speakon connector for discrete connection when the cabinet is used on pole stands or in wedge monitor applications. Two other Speakon connectors are included on the



back plate. In the Installation version, a cable gland with a 2-core cable for audio input ensures IP54 protection when it is used outdoors.

The new L20 uses a 20-inch long-excursion driver, achieving an SPL of 141dB Peak and extending LF response down to 28Hz. NEXO NXAMPMK2 or DTD/ DTDAMP deliver tailored power and processing solutions, combining multi-channel, high powered, networkable amplification with sophisticated loudspeaker control and

protection. Linear phase presets included for P+ cabinets in both vertical and horizontal configuration – and for the full range of NEXO cabinets – make it quick and easy to configure a 'Plug & Play' solution for any system.

The new P18 and L20 are accompanied by a comprehensive range of accessories, enabling them to be used in a wide variety of touring and installed applications.

[nexo-sa.com](http://nexo-sa.com)



## DPA DSK4001 Studio Microphone Kit



After an incredible response to its new DDK4000 Drum Microphone Kit, DPA Microphones launches several new professional sound microphone kits. The new kits provide audio engineers with the ultimate selection of high-quality condenser mics for a range of purposes. For those miking more in the studio than on the stage, the DSK4001 Studio Microphone Kit offers a premier solution for small home studios and large professional spaces alike. The brand's prestigious, high-quality condenser mics that are provided are ideal for recording bands, vocals and anything in between. This medium-sized kit contains both instrument and vocal mics, as well as a wide variety of helpful clips and holders, allowing for simple setup when close-miking a single instrument or spot-miking an entire group.

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

## Intusonic INTUSCAPE™ weather-resistant speakers

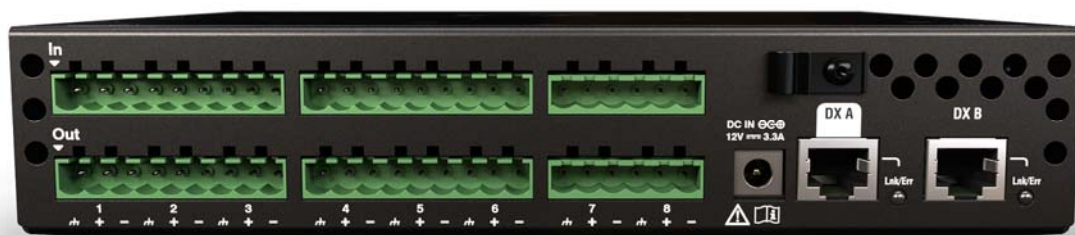
Intusonic, a leading manufacturer of quality commercial audio equipment, announced the INTUSCAPE™ range of weather-resistant speakers. The INTUSCAPE™ range includes the 4"-sized 4FP40R and 6"-sized 6FP80R models, available in both black and white. Apart from delivering HiFi-like audio performance, a sleek appearance for ease of integration with modern architectural environments was a prime design goal, making these speakers suitable for aesthetically demanding indoor- and outdoor applications. Choosing an impact-proof one-shell ABS resin structure with a recessed baffle, with all metal accessory parts being either made from aluminum or stainless steel, enables – together with the waterproof connection panel cover - the weather endurance required some

applications. A ball-head mount ensures flexible positioning options, allowing contractors to direct the sound exactly where it is needed. An in-built transformer enables integration with both low-impedance as well as 100V line systems.



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

## Allen & Heathh DX88-P and AHM V1.4



Allen & Heath has further expanded their installation range with new hardware and software releases. The “Everything I/O” ecosystem of remote audio expanders has been bolstered with DX88-P, a 96kHz expander designed for fixed installations. Featuring 8 mic/line inputs and 8 outputs, all presented on space-saving Phoenix connectors, the DX88-P will be welcomed by system integrators, installers and designers looking to augment the analogue I/O of an AHM Audio Matrix Processor. As well as offering seamless integration with the AHM range, the DX88-P is also fully compatible with dLive, Avantis and SQ digital mixers. As with all DX expanders, the DX88-P is plug-and-play and has firmware updates automatically performed by the connected mixer to minimise support time. An optional rack mount kit is available which enables two DX88-P expanders to be mounted together in a 1U rack space. The AHM range of audio matrix processors has received a major update with the release of V1.4 firmware and System Manager, adding new room combining features with a visual interface for creating and managing layouts with up to 16 rooms. Room levels, source selectors and dividers can be controlled by Allen & Heath’s IP range of PoE-powered controllers, by GPIO, or by third parties via TCP. Allen & Heath’s own Custom Control has also been updated to V1.4 to support room combining via an intuitive WYSIWYG widget.

[allen-heath.com](http://allen-heath.com)

## axxent VS100 intercom 12 V power supply

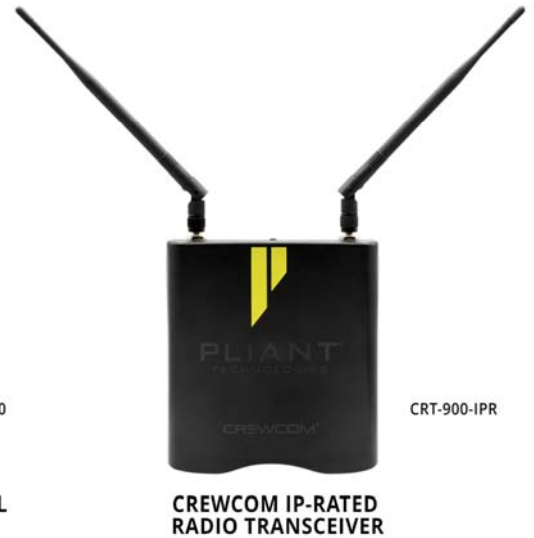


axxent introduces a new power supply for partyline intercom systems. The new device, called VS100, has been specially designed for use in disaster relief vehicles to reliably supply power to multiple intercom components with a battery voltage of only 12 V. The unit is housed in a compact, very rugged steel case and has three parallel 3-pin XLR connectors for powering the components. The connection cable to the battery is 2 m long and is either provided with a plug connector to the cigarette lighter or with open stranded wires. In total, up to about 10 intercom components can be operated with the VS100. Integrated is a voltage converter from 12 V to 24 V DC, screening against noise and also a line termination to stabilize the intercom signal.

[axxent.de](http://axxent.de)

## Pliant Technologies CrewCom v1.14 update

Pliant Technologies, a leading provider of professional wireless intercom solutions, announces the release of a new CrewCom firmware and software update, v1.14. The latest update includes several enhancements to CrewCom's already long list of capabilities, such as the support of two additional hardware devices, convenient new features and several key improvements to CrewWare control software to strengthen the user experience. With the new v1.14 firmware update, CrewCom now supports the addition of the new IP-rated lineup of Radio Transceivers (RTs), and the current CrewCom CRP-12 series of Radio Packs (RPs). CrewWare v1.14 includes a unique UI display in the system diagram of CrewWare that automatically detects the new IP-rated RT hardware and shows when it is in use, as well as the indication of corresponding new model numbers in the detail and device list views. The new CrewCom v1.14 firmware upgrade, which includes the new features and updates, is free of charge to all users and will be available for direct download from the Pliant Technologies website.



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

## Pliant Technologies MicroCom 900XR Wireless Headset

Pliant Technologies, a leading provider of professional wireless intercom solutions, introduces the latest addition to the MicroCom family of products, the MicroCom 900XR Wireless Headset [PMC-HS900XR] at InfoComm 2023 (Booth 4854). The latest solution combines the great sound quality, excellent range, and budget-friendly price point of MicroCom XR with the comfortable fit, exceptional noise isolation, and flip-up microphone muting technology of the SmartBoom PRO headset, but without the wire. The new MicroCom 900XR Wireless Headset is available in single-ear and dual-ear configurations featuring an internal antenna and field swappable batteries with considerable run time (14 hours on the dual-ear headset and seven hours on the single-ear headset). Its lightweight and adjustable design allows for comfortable all-day wear and the headsets collapse for easy storage and travel when the production or project is complete. The MicroCom 900XR Wireless Headset exhibits the same proven performance and functionality as the MicroCom 900XR beltpack but is engineered to fit into the SmartBoom PRO headset ear cup. Its unique all-in-one design features an easy-to-read OLED display, two intercom channels with a dual listen option, and support for up to 10 full-duplex users including unlimited listen-only and shared users.



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

**THE MAN BEHIND THE NEUMANN KU 100**



TOURING • INSTALL • RENTAL • BROADCAST • STUDIO


ECO #1 FRIENDLY

**KV2 AUDIO Parties Hard At Rave Jam Music Carnival**

**SENNHEISER Workshops Educate And Inspire In South Africa & Namibia**

**EDITOR'S CHOICE Electro-Voice EVEREST**

**KV2 VHD5 HEADLINES AT WEST LAKE MUSIC FESTIVAL**



LIVE • INSTALL • RENTAL • BROADCAST • STUDIO

WWW.AVLTIMES.COM

ISSUE 31 | JANUARY - FEBRUARY 2023

ECO #1 FRIENDLY

**Greenplattbauser Refines The Performance Digital 6000**

**KV2 Enhances SL Series With SLG.10 Subwoofer**

**Neumann Open-Back NDH 30 Headphone**

**NEXO Delivers Versatility At Tokyo Garden Theatre**

**Sennheiser Digital 6000 Wireless System Shines Bright At Super Bowl LVII**



LIVE • INSTALL • RENTAL • BROADCAST • STUDIO

WWW.AVLTIMES.COM

MAY - JUNE 2023 | #23


ECO #1 FRIENDLY

**KV2 Audio Leads FOREVER in Wuhan**

**Neumann VTX49 Audio Interface**

**Bosch Security Safety Systems Partner With KV2**

**JBL Professional VTX Series Powers Two Days of Live EDM at CRSSD Festival**



TOURING • INSTALL • RENTAL • BROADCAST • STUDIO

ECO #1 FRIENDLY

**Voice-Acoustic loudspeakers for Hyundai Elevator**

**NEXO boosts the iconic Stadionshiff Theater Stadium**

**5th year of Sennheiser's wireless microphone systems for camera**

**Slamhammer Audio Sets The Stage At Purple Block Party**



WWW.AVLTIMES.COM

LIVE • INSTALL • TOURING • BROADCAST • RECORDING

ISSUE 29 | SEPTEMBER - OCTOBER 2022

**Interview With Greg Beebe Of Sennheiser Group**

**LD Systems MAUI 44 G2 Now In White**

**Neumann Open-Back NDH 30 Headphone**

**NEXO Delivers Versatility At Tokyo Garden Theatre**

**LARGEST ELECTRO-VOICE X2 SYSTEM IN NORTH AMERICA INSTALLED IN MANSFIELD ISD CENTER**



LIVE • INSTALL • RENTAL • BROADCAST • STUDIO

WWW.AVLTIMES.COM

MARCH - APRIL 2023 | #32

ECO #1 FRIENDLY

**Robert Adrian Ten Joins KV2 Audio**

**NEXO's New B532 (L518.4)**

**JBL VTX412AS & B28 System Powers Three and a Half Hours of Action**

**BRIT ROW CONTINUES RELATIONSHIP WITH DURAN DURAN**



LIVE • INSTALL • RENTAL • BROADCAST • STUDIO

WWW.AVLTIMES.COM

ISSUE 30 | NOVEMBER - DECEMBER 2022

ECO #1 FRIENDLY

**Munich Kammeroper: Top-quality Audio Transmission With Sennheiser Digital 6000**

**Britannia Row Productions Marks 10 Years With Simple Minds**

**Electro-Voice and Dynacord Level-up For Level 42**

**Neumann Monitors For Immersive Audio At Malaysian Sci-Fi Studio**



**RAT SOUND SYSTEMS RELIES ON VTX AND VRACK AT COACHELLA**

**LD Systems The Arts**

**Sennheiser at The**

**CLICK HERE**



**h Bolsters Collection**

**Selects Upgrade**

**NEUMANN M 49 V**

**Summerfest Returns With**