

TOURING . INSTALL . RENTAL . BROADCAST . STUDIO

## THE MAN BEHIND THE NEUMANN KU 100



KV2 AUDIO Parties Hard  
At Rave Jam Music Carnival



SENNHEISER Workshops Educate  
And Inspire In South Africa & Namibia



EDITOR'S CHOICE  
Electro-Voice EVERSE8



EVOLUTION WIRELESS DIGITAL

# Setup simplicity. Digital clarity.

Experience the feeling of instant connection — with your music, your craft, your audience. Designed for musicians, audio professionals, and filmmakers, the Evolution Wireless Digital family includes three microphone systems that simplify setup, guarantee the most reliable UHF connection, and deliver superior sound quality. Evolution Wireless Digital is a powerful tool for those who put quality and performance above all else.

[sennheiser.com/evolution-wireless-digital](http://sennheiser.com/evolution-wireless-digital)



SENNHEISER



# ES Series

## Legendary Point Source System

Renowned for clarity, output and versatile capabilities that has amazed audio professionals around the globe.



Arrange a demo of ES today and hear the KV2 Difference.  
[kv2audio.com/ES](http://kv2audio.com/ES)





# 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.



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## Preston New joins Clear-Com as Business Development Director



As Clear-Com® continues to grow its business in the federal aviation and space agency and national defense markets, the company is pleased to announce the appointment of Preston New to a new role as Business Development Director for Military, Aerospace, and Government. Preston will oversee the strategic growth of Clear-Com's account sales and new partnerships within these important sectors, encompassing endeavors like space and aerospace missions, unmanned systems, test and evaluation, training and simulation, and research and development, for all of which communication is mission-critical.

Preston's unique combination of military experience and technical sales will offer invaluable benefits to Clear-Com, explains Chris Willis, Senior Vice President of Worldwide Sales. "As a USAF-retired veteran, Preston's intrinsic understanding of military comms is already deep. His added systems engineering and sales experience within government-level communications made him the best choice for this important growth role."

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

## Providence acquires d&b Group



d&b group, the market leader in professional audio systems and AVLM solution provider, announced today a major investment by Providence, a premier private equity firm specializing in growth-oriented investments in media, communications, education and technology. With the support of Providence, d&b plans to further strengthen its global market-leading position in the professional audio market while also further integrating its capabilities in the Audio Visual, Lighting and Media (AVLM) solutions sector.

Providence has a track record of investing in businesses that deliver world-class technology and experiences. As part of the transaction, the d&b management team will also acquire a stake in the company, ensuring long-term leadership and strategic continuity. The parties have agreed not to reveal details of the transaction, and the conclusion of the transaction is subject to approval by the relevant antitrust authorities.

Founded in 1981 and based in Backnang, Germany, d&b is one of the world's leading providers of professional premium audio technology ("d&b audiotechnik") and, in recent years, has extended the business into integrated AVLM solutions ("d&b solutions"). Since the company's acquisition by leading private equity firm Ardian, d&b's previous owner, in 2016, sales have tripled. The number of employees has also risen sharply from 350 in 2016 to a global team of more than 1000 with offices in major cities around the globe.

"The global growth trend for events, concerts and major events has continued unchanged after a forced break due to the COVID-19 pandemic.

This is accompanied by the increasing professionalization and digitization of these events and thus an increasing need for professional event technologies. As one of the world's leading system providers for audio technology and integrated audio, video, light and media solutions (AVLM) with a comprehensive portfolio of hardware and software technologies, we are perfectly positioned to gain further market share. Ardian has proven to be a reliable business partner over the past few years. Thanks to their unwavering support, especially during the pandemic, we have been able to innovate during this period of crisis and to emerge stronger from it. We look forward to continuing our successful journey with Providence and cementing our global position as a leader in professional audio and integrated AVLM solutions," said Amnon Harman, CEO, d&b Group. "

d&b bears the hallmarks of a classic Providence investment – it is a business with innovation at its core, clear market leadership and loyal customers. d&b's passionate team has advanced and defined industry standards and exceeded client expectations for the last four decades. We believe d&b will continue its growth trajectory by delivering spectacular experiences to audiences across the globe. With our solid track record of investing in live entertainment and technology companies, we are confident Providence is the ideal partner to support d&b and we look forward to working with Amnon and his hugely talented team to execute our shared vision for the business," said Robert Sudo, Managing Director, Providence.

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

## K-array partners with Medialantic & Senia



K-array is excited to announce the strengthening of its EMEA distribution channels through new partnerships with distributors Medialantic in Germany and Senia in Romania. These distribution partnerships will reinforce K-array's global reach, providing its range of installed and live solutions to customers in new markets.

Medialantic, based in Berlin, is a company dedicated to sound production with a team of passionate individuals committed to outstanding design and unmistakable acoustics. Medialantic works with over 15 hi-fi and home cinema dealers throughout Germany, as well as one dealer dedicated solely to the marine sector, a key market for K-array products. "We are excited to partner with K-array and bring their innovative audio solutions to the German market," confirms Veit Wegmann-Kamecke, CEO at Medialantic. "K-array's commitment to quality and innovation aligns with our values at Medialantic, and we look forward to working together to provide our customers with the best audio products and support."

Based in Romania, Senia is the largest distributor and retailer of equipment and instruments for the music industry at a national level. They are also the



exclusive representative for several prestigious audio brands. Senia provides sound and lighting solutions for large-scale projects for private firms, public institutions, and European organizations. "We are delighted about the partnership we have started with K-array," says Ionut Mavrighi, Marketing Director at Senia. "The versatility and ingenuity of K-array's technical solutions represent a welcome addition to the market."

K-array EMEA sales manager, Francesco Maffei is pleased to welcome the new partners to the K-array family: "We are thrilled to be working with these two outstanding companies and look forward to providing customers with the best audio products and support in the industry," he declares.

[k-array.com](http://k-array.com)

## Powersoft steps up Papan ambitions with new office



Powersoft is preparing for a new era of growth in Japan following the opening of a dedicated office in Tokyo. The Japanese office is the Italian company's fourth, joining its headquarters in Scandicci, its US business in Flanders (New Jersey) and its China rep office in Beijing. Spearheading Powersoft's expansion in Japan is its newly appointed market development manager, Haruka Murayama, a pro-audio veteran who brings nine years' industry experience to the role. Murayama most recently spent five years in sales with Bose Professional's Japanese subsidiary, where she became familiar with X Series, Powersoft's high-powered live sound amplifier platform, and previously worked for the Japanese distributor of Harman, Shure and DPA Microphones. Luca Giorgi, Powersoft's sales director, says Murayama's experience and expertise will be essential to meeting the challenge of growing the Powersoft business in Japan. Murayama says she is relishing the opportunity to accelerate Powersoft's expansion into Japan, where the company's amplifiers are considered the benchmark for tours and installations. "I am confident in promoting our products because Powersoft is already known for its high quality and innovation, which customers appreciate," she adds.

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



## Sennheiser workshops educate and inspire in South Africa & Namibia



Sennheiser South Africa recently concluded a series of successful technology workshops across South Africa and Namibia. The workshops took place in Cape Town, Johannesburg and Windhoek and aimed to educate customers and end-users about the transition from analogue to digital systems whilst highlighting the latest product developments from Sennheiser's digital wireless range.

The Sennheiser workshops catered to a broad audience, including rental and staging companies, sound engineers, theatre designers, production companies and AV professionals from the house of worship, higher education, corporate and hospitality sectors.

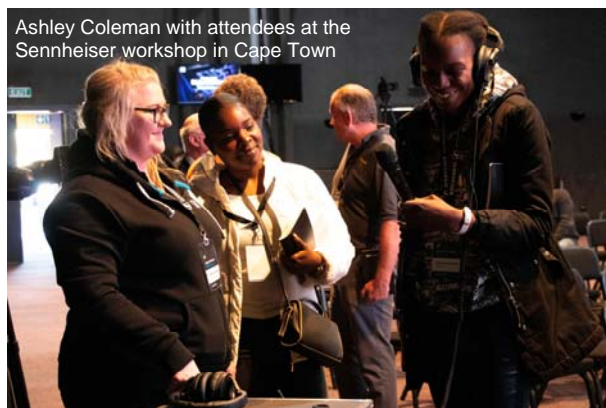
The events, led by industry expert and Sennheiser GmbH technical application engineer, Jonas Næsby, provided hands-on experience with Sennheiser products and a chance to connect with other industry professionals from across the region. Furthermore, attendees had the opportunity to learn about the benefits of digital technology and alleviate concerns associated with

the transition from analogue to digital, a critical topic due to the recent change in radio frequency band allocation across South Africa. "All three sessions were great," confirms Næsby. "The participants were all engaged, asked great questions, and were hands-on with the equipment." Highlighted products included the recently released EW-D, EW-DX, and EW-DP, all part of Sennheiser's Digital Wireless Series which recently became available to the local markets. These products seamlessly integrate within a single ecosystem, providing scalability and flexibility for users to select the components that best suit their requirements.

"Events like these Sennheiser workshops are essential for our end-users", confirms Ashley Coleman, General Manager for Sennheiser Electronic SA. "They address the challenges of adopting new systems and aim to promote the advantages of going digital, all the while providing education on the latest product ranges and

introducing users to alternatives which they may not have been previously aware of."

"We aim to debunk myths, promote the benefits of going digital, and offer more affordable options," said Shaun Xavier, Marketing Manager at Stage Audio Works Group, emphasising the significance of these events. "The Sennheiser workshops received positive feedback as attendees appreciated the opportunity to network and engage with each other and with Sennheiser representatives face-to-face." Indeed, a post-workshop survey found that 92% per cent of attendees prefer in-person training to online webinars.



Ashley Coleman with attendees at the Sennheiser workshop in Cape Town





Sennheiser Workshop Johannesburg



Sennheiser Workshop in Cape Town



Sennheiser Workshop Cape Town



Sennheiser Workshop Cape Town



Sennheiser Workshop Namibia

"I learnt a tremendous amount about the EW-Digital Wireless systems," confirms one workshop attendee. "The presentation was relaxed and understandable and very clearly explained." Another attendee expressed, "Sennheiser goes above and beyond to provide the end user with the most seamless wireless audio feed possible."

Sennheiser SA is pleased with the outcome of this workshop series and aims to host similar workshops in the near future "Events like these nurture customer relationships and the exchange of insights and knowledge only further enhances the audio experience for end-users," confirms Xavier. "In comparison to Europe or the US, South Africa does not have many AV-focused trade shows, so these training days are crucial, not just for users, but also for us in order to learn and receive valuable feedback from our customers."



Sennheiser Workshop Cape Town

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



## New heights for JK Productions with their new S31



(left to right): Kyle Robson from DWR with Emmanuel Sibisi and Jeremy Kusner of JK Productions.

Jeremy Kusner, owner of JK Productions for the past 22 years, is excited to step into the future with the investment of a DiGiCo S31 digital mixing console.

JK Productions is a company unlike any other in South Africa. While the Johannesburg based business offers a full technical solution for events including lighting, audio, staging and AV, it has a playful and fun side to the business owning at least 300 pieces of entertainment equipment, ranging from carnival rides to jumping castles, fun food machines, juke boxes gaming and arcade equipment.

“We looked at various brands and models and eventually chose the DiGiCo S31 for many reasons, firstly for the great support and people at DWR Distribution. Over the years we’ve bought various other bits of gear from DWR, but this is our first major purchase and knowing that DWR has always got our back it became a very easy decision. We are super excited because it’s going to put us into a different league, enabling us to get those bigger gigs that we are looking to do, and the future looks exciting.”

Darren Durbach, who recently joined DWR Distribution and is known for his determined dedication and perseverance, was thrilled to sell his first DiGiCo console to Jeremy, a friend in the industry for over thirty years. “DiGiCo is an incredible brand with such pedigree and heritage, and it will be super exciting to see the console on our gigs and showcase it to our clients. We feel like grown-ups now that we own a DiGiCo desk. The desk is beautifully crafted and engineered with good build quality that is made to last and is ideal for our market.” The console will be operated by Emmanuel Sibisi, the chief technical engineer at JK Productions, who has been with the company for over 15 years. “The S31 is really nice, and it will just be a matter of getting used to the new equipment,” comments Emmanuel. “As my teacher, Kyle Robson from DWR says, all I have to do is read the screen!” Says Kyle Robson, “The thing about the DiGiCo S31 is that we see the growth of the audio engineers the more they play on it. I’m very excited to see what gigs will be coming up for JK Productions!”

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

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

## Clear-Com welcomes Anthony Wilkins



As Clear-Com® continues to grow beyond its core markets of live and broadcast, the company is pleased to announce the appointment of Anthony Wilkins to a new role as Business Development Manager for Industrial and Critical Communications in the EMEA region. Anthony will work with Clear-Com’s current partners and develop new channels for the company to expand in sectors where communication is critical to success and safety, such as marine/offshore, medical, public safety, transportation, and more.

“Anthony’s wealth of experience in both the technical engineering and the sales and business development areas of the communications industry made him the perfect candidate for this key growth role based here in the EMEA region,” says Chris Willis, Senior Vice President of Worldwide Sales. “He will be invaluable to Clear-Com as we cultivate business in the Industrial and Critical Communications space in EMEA and we are excited to see those markets in this region grow with his leadership.”

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

## Genelec elevates customer experience with 5 year warranty



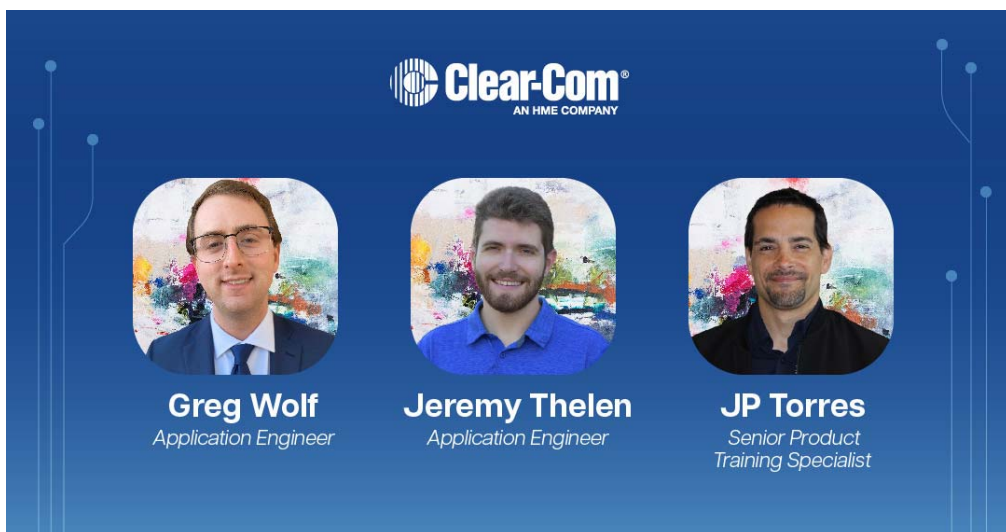
Genelec has elevated its customer experience and strengthened its commitment to sustainability by introducing a 5 year warranty on its designs. By registering their models on the Genelec website, the new warranty program allows Genelec customers worldwide to extend their standard 2 year warranty by an extra 3 years, covering both parts and labour.

The warranty extension is activated by the customer simply by registering their purchases online via the Genelec website, a process that has been made faster and simpler by providing QR codes on product packaging to allow easy scanning of models and serial numbers. Once the customer's details and proof of purchase are uploaded, Genelec distributor service centres worldwide can quickly verify the warranty status of any models returned for repair.

"We've always been focussed on designing loudspeaker solutions that provide decades of reliable performance for our customers, but we also want to offer them the extra peace of mind that comes with a secure extended warranty," comments Ole Jensen, International Sales Director at Genelec.

[genelec.com/warranty](http://genelec.com/warranty)

## Clear-Com accelerates global growth with several key appointments



***New recruits in the U.S. will help the company continue to deliver industry-leading intercom solutions.***

As Clear-Com® continues to grow worldwide, the company is delighted to announce the appointments of several key members to its U.S. team: Jeremy Thelen and Greg Wolf join as Applications Engineers and JP Torres joins as Senior Product Training Specialist. JP assumes the role formerly occupied by Frank Linton, who has accepted a new position within Clear-Com as Product Manager for Military, Aerospace and Government.

Both Jeremy and Greg join Clear-Com from Game Creek Video, where they were Mobile Unit Engineers and EIC (Engineers in Charge) and worked on some of the largest sports broadcasts in the country, including "NFL on CBS" and multiple Super Bowl championships, "Final Four," the Masters golf tournament, the PGA Championships, and more. They bring a wealth of technical expertise, especially in IP networking which has become a growing customer need.

"The systems we are installing are becoming more and more complex, especially in the world of networking," says Applications Engineering Manager, Justin Emge. "When you consider the requirements for proper networks when transporting AES67 audio, you can

never get enough of a brain trust to support those systems and the customer. Jeremy and Greg bring to the table significant knowledge and experience that will take an already successful Applications Engineering team and elevate it above the rest."

JP joins the company after 13 years at Sony Electronics, where he worked as a promotional Video Producer and Senior Audio Content Trainer for consumer products in North America. He brings nearly 20 years of experience in video production and audio content management, including design expertise which he will use to develop content for product training.

"JP's combination of skills in both training delivery and video design made him the perfect candidate for this role," says Gavin MacDonald, Senior Director of Global Service and Support. "We put significant energy and time into developing high-value training content for our customers, and I look forward to seeing how much more JP can elevate our video, webinar and in person training content."

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



## KV2 welcomes students from the ITE in Singapore for factory tour and demo program



Students and lecturers from the ITE Nitec in Electrical Technology (Lighting & Sound) course recently enjoyed a full factory tour and demo program at KV2's headquarters in Milevsko, Czech as part of a trip that included a visit to the ROBE factory and the Prague Quadrennial festival – in which KV2 participated via the Sound Kitchen – and then a visit to Sennheiser in Berlin.

The Nitec (National Institute of Technical Education Certificate) in Electrical Technology (Lighting & Sound) is an engineering-centered, practical course that teaches students the fundamental skills required to produce live shows for a broad range of entertainment industry applications, both physically and virtually. The trip to Czech was a perfect opportunity for the students to gain first-hand experience of how KV2's loudspeakers are developed and built, and then to hear the results of these processes with live demos.

KV2's Sales Director for Asia, Robert Adrian, who was responsible for organising the KV2 visit, was very

pleased with the outcome, and in particular the students' reactions to what they saw and heard.

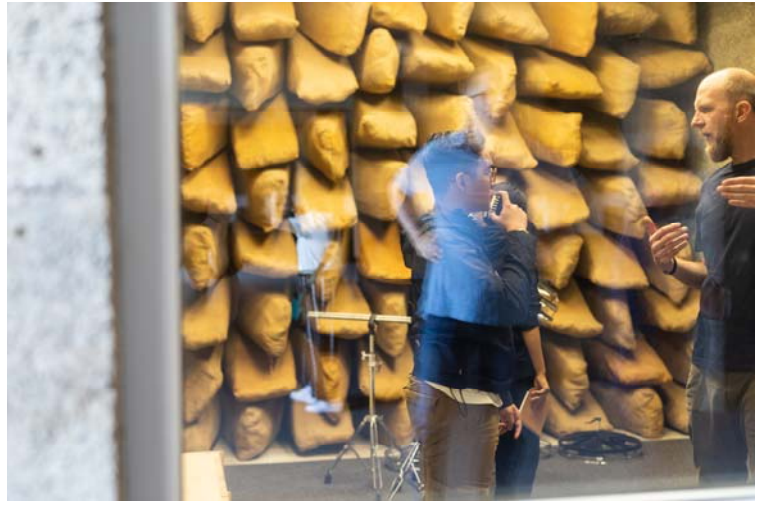
"Our Technical Projects Director, Andy Austin-Brown, conducted all the demos and gave the students a lot of insight into the principles that govern KV2's vision of audio and what makes great sound. It was pretty intensive, but judging by the number of questions he was asked and the discussions they provoked, the students clearly had a great time."

"KV2 is very particular about everything that goes into their products," says Ng Jing Kai Tim, one of the students who participated in the visit. "Components are carefully selected for each loudspeaker according to the application. We learned to 'trust our ears' – there is no 'best' loudspeaker for all applications."

Wong Chee Hong was also impressed by what he saw. "KV2 builds their loudspeakers according to their vision, which is unique. Each loudspeaker is then fully tested to ensure it meets their exacting requirements."







“It’s always a pleasure to show students around our facility, especially when they truly engage with us,” says Austin-Brown. “We’re talking to the engineers and technicians of tomorrow, and it’s wonderful to be able to transmit our passion for audio and for building the highest quality products possible to the next generation.”

The visit concluded with a short presentation where each of the Students and their Lecturers was awarded with a certificate of participation.

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



## RCF introduces TT+ Audio as a new independent brand



RCF introduces TT+ AUDIO, a new premium brand founded on decades of RCF experience designing high-performance products that provide integrated, reliable solutions for professionals seeking the highest quality in sound reinforcement. The new brand's all-encompassing approach to product design, innovative engineering, and tour-tested reliability, positions it as the ultimate solution for touring professionals and high-quality permanent installations.

The dramatic three-dimensional TT+ AUDIO logo goes beyond traditional designs to become an emblem. It symbolizes a sporty, robust image, with a sense of symmetry that depicts the endless journey of the company in balancing precision in reproduction, usability, integration, and consistent coverage. The first product line displaying the new logo is the high-performance GTX Line Array System.

RCF's General Manager, Fausto Incerti, states: "When we introduced the TT+ product line in 2006, our vision was to offer professional audio equipment that delivers the highest performance in both Touring and Theatre applications. TT+ has exceeded expectations and established itself as a



leader through its innovation and success. It has now demonstrated its potential to evolve into a new and independent premium brand."

TT+ AUDIO believes in absolute control over every aspect of design, engineering, and manufacturing, resulting in products that can withstand the rigors of touring and extreme weather conditions with optimal consistency and interoperability. With networked integration, straightforward cabling, and versatile remote management, TT+ AUDIO's robust hardware/software integration ensures consistent and reliable results from one performance to the next.

Incerti welcomes the new brand with a clear mission for the future: "For over 70 years, RCF has pioneered audio engineering. With the debut of TT+ AUDIO, we embark on the next phase of this journey, introducing a dedicated team that will drive the future of sound. The establishment of TT+ AUDIO marks a new chapter of opportunity for us. We look forward to the road ahead."

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

## AUDAC appoints Mahesh Baliga as Sales Manager for India



AUDAC, a leading global player in the audio and video industry, is pleased to announce the appointment of Mahesh Baliga as the Sales Manager for India. In this role, Mr. Baliga will be responsible for driving AUDAC's growth and expansion in the Indian market, working closely together with the company's Indian distributor, AV Essentials & AUDAC's APAC sales manager Sebastian Chong. Sebastian Chong, the APAC Sales Manager at AUDAC, expressed enthusiasm for Mahesh Baliga's appointment, stating, "We are thrilled to welcome Mahesh to the AUDAC team as the Sales Manager for India. His wealth of experience in the AV industry and strong track record in sales management make him a perfect fit for this role. We are confident that his leadership and strategic vision will further strengthen our position in the Indian market." In his new role, Mahesh Baliga will be responsible for expanding AUDAC's presence across India, fostering strong partnerships with AV Essentials, and driving the company's products and solutions to meet the diverse needs of customers in the region.

[audac.eu](http://audac.eu)

## APEX partners with Intersonic for Denmark distribution



Intersonic Sales Manager Denmark, Søren Holstebro holds an APEX CloudPower amplifier

APEX has appointed Intersonic as the exclusive distributor for its CloudPower installation amplifiers in Denmark. The move follows the recent announcement of Intersonic's expansion into the Danish market. Intersonic is already a well-established distributor in Sweden and Finland, where it has helped to build APEX's reputation with integrators and end users. "There is a lot of interest in alternative amplifier options right now," reflects Intersonic Sales Manager Denmark, Søren Holstebro. "Innovative features like the IntelliCloud remote control WebUI and its outstanding audio quality make CloudPower a highly attractive solution. I am looking forward to seeing how customers in Denmark respond to the APEX range."

"We had been looking for the right partner to grow the APEX brand in Denmark for some time, so Intersonic's move into this market is a perfect opportunity for us," comments APEX Global Sales Director, Alain Boone. "We have an excellent relationship with Intersonic and have witnessed their ability to provide first-class service from the initial demo through to aftersales support with completed projects. We wish Søren and the team every success with this exciting new chapter for APEX and Intersonic."

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

## GSL named official distributor of EAW loudspeaker systems in the GCC region



(L-R) Steve Badham, International Audio and Acoustics Technical Sales Specialist, EAW; Fouad Fowzi, CEO, GSL Professional; John Dodson, Regional Representative, EAW, MEA

Expanding its reach into the Middle East, Eastern Acoustic Works (EAW®) is proud to announce GSL Professional as its newest distributor in the Gulf Cooperation Council (GCC) region as well as Egypt. Dedicated to bringing the best in professional audio, video, lighting and control solutions, GSL has carved a niche for itself as a leader in distribution and trusted client services throughout the area. Established over 20 years ago, GSL has built a dynamic team of highly experienced professionals to offer comprehensive solutions for recording, broadcast, hospitality, houses of worship, stadiums and more.

As the AV and live sound markets in the GCC region continue to grow, GSL recognized the need for top-tier sound solutions. Aiming to deliver exceptional experiences to customers and their audiences, a partnership with EAW was a natural fit for the demanding requirements of local events and productions. EAW's products are highly regarded in the industry not only for exceptional performance and durability, but also for innovative technology and design trends.

"We are thrilled about our partnership with EAW," says President Fouad Fowzi, CEO of GSL Professional. "EAW's combination of innovative design, strong customer relationships, ongoing product development and commitment

to quality and performance will be key to its success in this highly competitive market. Together, we will continue to deliver exceptional sound solutions to our clients in the GCC region and Egypt." Further investing in EAW's regional customers, GSL offers a dedicated service center located in Dubai to support clients and ensure a satisfactory after-sales experience. Featuring highly skilled and experienced technicians, the service center handles a variety of maintenance, repair and support services. Additional support can be found through GSL's product specialists, who offer on-site assistance that stems from a thorough knowledge of EAW and extensive industry experience.

"Welcoming GSL Professional as our newest distributor is an exciting venture for EAW," says T.J. Smith, president of EAW. "GSL provides only the highest level of technical, marketing, service and sales support, for both consultants and integrators, as well as venue operators, engineers, end-users and more. We look forward to creating a strong and enduring partnership that will bring more opportunity to our GCC-region customers."

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



## The man behind the Neumann KU 100: An interview with Stephan Peus

This year marks the 50th anniversary of the Neumann dummy head microphone. We spoke with our former President of Development and former General Manager, Stephan Peus, for whom “Fritz”, as the Neumann dummy head is fondly called, was a constant companion. And has remained so to this day! For in retirement, he founded peus-recording to specialize in dummy head recordings.

*Dear Mr. Peus, you started at Neumann in 1974, shortly after the first dummy head microphone KU 80 saw the light of day.*

That's correct, the KU 80 was introduced at the 1973 IFA trade show. I had already become acquainted with it before that because I was studying communications engineering and acoustics at the Technical University of Berlin. During that time, I met the three inventors of the dummy head, Kürer, Plenge and Wilkens, and took part in the final acoustic tests. My first contact with the finished KU 80 was the recording of a piano concerto by Brahms, which had been recorded in the large auditorium of the SFB (now RBB) on a big studio tape machine. I was thrilled to be entrusted with the editing.

*One might think that a dummy head microphone is just a mannequin's head with two mic capsules in its ears. But it's not as simple as that, is it?*

No, because high-quality recordings require a signal-to-noise ratio that cannot be achieved with tiny capsules that would fit in the ear canal. That's why Neumann was approached right away. Here, they could be certain to get the required quality. However, the difference in diameter from the ear canal of about 6 mm to the 21 mm diameter of the small-diaphragm studio microphone used causes strong coloration. Therefore, acoustic filters had to be installed to combat the resonances and reflections. However,



these filters and the reproduction of the entire ear canal were the reason why the first dummy head KU 80 sounded impressive only over headphones. Incidentally, the reference was Sennheiser's HD 414, the first open headphone, which was extremely popular at the time and triggered an initial headphone boom. Over loudspeakers, however, recordings with the KU 80 sounded muffled.

*The poor loudspeaker compatibility was already fixed in its successor, the KU 81, launched in 1981, wasn't it?*

The impetus came from the Institut für Rundfunktechnik (IRT) in Munich. Some employees of the TU Berlin, who had developed the dummy head, had transferred there. They looked at conventional stereo microphones, especially the Neumann SM 69, and concluded that a dummy head microphone should be diffuse-field equalized. After all, it is usually positioned at some distance from the sound source, i.e., outside the so-called critical distance. At the same time, a diploma thesis brought the realization that the outer ear's acoustic impact reaches only a few millimeters into the ear canal. So, it was possible to shorten the ear canal in the dummy head

considerably, which greatly reduced the attenuation of the upper frequencies. Together with diffuse field equalization, this was a major step forward. However, to facilitate production, I implemented the acoustic filter inside the KU 81 differently than in the IRT design. That was great fun, because I finally got to apply what I had learned in acoustics lectures. Before that, everything I really needed, I had learned at Neumann. Of course, I had the acoustic understanding, but the university didn't teach you how to build a good-sounding microphone.

Another important innovation in the KU 81 was that new silicone materials made it possible to reproduce the human outer ear in a much more complex and differentiated manner. This has led to a higher resolution.

*But the Neumann dummy head never had a torso, did it?*

The KU 80 was originally sold in a carrying case as wide as our shoulders. So, when you mounted the head on it, you had the upper part of the torso. It was assumed that was important for directional imaging, until one realized that a shoulder section is only relevant for head rotation, when it creates

different reflection angles. But with a rigid mount, the torso plays no role in directional perception. That's why we didn't include a shoulder-width case with the KU 81 and KU 100.

*After the KU 81 remedied the KU 80's biggest shortcoming by providing good speaker compatibility, what were the motivations for developing the KU 100?*

Acoustically, the KU 100 is indeed not all that different from the KU 81, nor were there any major quirks that absolutely had to be fixed. However, we had contact with a very interesting designer who found the KU 81 so ugly that he offered us a design draft – which we liked right away!

*The more abstract form actually also corresponds to the current state of research that, for example, very human-like robots tend to appear uncanny, while artificial forms, which clearly identify themselves as something technical, meet with fewer reservations.*

There's something to that! At the very beginning, the KU 80 was used in theaters and in the Philharmonie Berlin to allow the director to listen 1:1 into the room. And there were indeed protests from actors and from the audience that a “dead skull” was hanging up there. So they built a cube with black gauze in which the head disappeared.

*But the KU 100 does offer some detail improvements over its predecessor?*

Yes, one of them being the shape of its ears. In the KU 80 and KU 81, we worked with casts of real ears.



Stephan Peus in conversation with Andreas Hau

In the case of the KU 80, they were the ears of one of its developers: Dr. Henning Wilkens; in the case of the KU 81, they decided to use the ears of an employee of the Ruhr University Bochum, who unfortunately died in a traffic accident a few years later. But his ears live on, so to speak. In principle, the ears of the KU 100 are the same, but since our outer ears (and hence those of the first dummy heads) are never perfectly symmetrical, I had the idea to match the ears of the KU 100. This was to prevent the asymmetries of the KU ears from accidentally overlapping with those of the listener's ears in such a way that the result could become too right- or left-biased. And because I had no way of measuring and eliminating this asymmetry automatically, I did the alignment by hand. My daughter, who is a dental technician, gave me suitable materials, and so I worked on the ears of the KU 100 from sculpting paste with a spatula and scraper. I took one of the ears as a reference and made the second one as much like a mirror image as possible.

*My impression is that the frontal localization is more accurate on the KU 100 than on the KU 81.*

This could be in part due to the improved symmetry of the ears. We have also changed the “pitch angle” of the ears somewhat. In listening tests with the KU 81, it had been noticed that sound sources in the horizontal plane usually tended to be perceived slightly upward during reproduction. This is related to a characteristic “dip” in the horizontal frequency response of our outer ears. For every natural ear, that dip is at a slightly different frequency.

This does not interfere with natural hearing, because we “adjust” the location of sound sources with the help of our eyes throughout our lives. If we are now given a certain configuration by the dummy head, we cannot correct visually.



KU 80 & KU 81 had a more “human” appearance

As it happened, the aforementioned dip in the horizontal frequency response of the KU 81 caused sound events from the front to be perceived as slightly shifted upward. In the KU 100, we therefore adjusted the angles of the ear cups relative to the vertical so that the imaging is now correct horizontally and vertically.

*Since your retirement, you have gained a lot of experience in dummy head recordings with “peus-recording”. Would you have any tips?*

I have been careful to work only in acoustically “nice” and balanced rooms, often in churches. A sound check is essential, of course, to determine a good position for the dummy head. And you should watch out for unwanted background noises. In “normal” recordings, microphones are used that can largely block out sound from irrelevant directions. The dummy head, by its very nature, listens in all directions, and you should be very careful to assess the overall acoustic situation before recording. Nothing remains hidden from a microphone as sensitive as the Neumann dummy head!

*Thank you very much for the interview, Mr. Peus!*

*The interview was conducted by Dr. Andreas Hau (Content Marketing Manager, Neumann)*

[www.neumann.com/en-en/products/microphones/ku-100/](http://www.neumann.com/en-en/products/microphones/ku-100/)



## Prism Sound warns customers not to be fooled by fakes



A legitimate Prism Sound Lyra 2 Audio Interface

Audio interface specialist Prism Sound is warning customers to be careful after counterfeit versions of the company's award-winning Lyra audio interface were found to be on sale in the Far East.

The UK manufacturer is now investigating who is behind the fake units, which according to CEO James Woodburn are badly constructed and potentially dangerous.

"We discovered these units on sale in China and immediately bought two so that we could examine them more thoroughly," James Woodburn says. "While they may look convincing at first glance, under the surface they are poorly made and not worth the money people are trying to sell them for. As Prism Sound's entire philosophy is to give customers the highest possible audio quality, we want to make it very clear to all audio professionals that these counterfeits fall a long way short of the audio performance and build quality of legitimate products."

At present, only counterfeit Prism Sound Lyra interfaces have been identified but the Atlas and Titan interfaces may also be impacted, and this is now being verified. The company's advice to anyone offered a cut price Prism Sound unit is to check very carefully that they are not being sold an illegal copy.

"If something looks too good to be true, it usually is," Woodburn adds. "This is patent theft and for a small manufacturer this type of illegal activity is very damaging to our core business. We don't want customers to be fooled into buying them because we know that they won't get the audio quality they are looking for from a poorly made copy."

Prism Sound has always strongly advised customers to only buy its products locally from authorised and fully certified retailers. This advice is even more important now. A full list of all authorised retailers in all territories is available from the company's website. In addition, Prism Sound is happy to check any unit to make sure it is legitimate. "We know there is a second hand market for audio equipment and inevitably some of our legitimate units are sold on that way," Woodburn says. "However, we have ways of identifying real Prism Sound units and we are more than happy to check any unit someone might be thinking of buying because we don't want our valued customers to be sold a fake."

James Woodburn adds that illegal copies won't be covered by Prism Sound's usual warranty and buyers should be aware of that before they part with any cash.

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

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

## ES-Pro Audio is now Prism Sound's German distributor



Erwin Strich with Prism Sound

Prism Sound has appointed ES-Pro Audio to handle its entire range of audio converters to the professional market in Germany. Formerly a Prism Sound reseller, the company will now handle distribution and oversee sales through affiliated German dealers. Based in Ingolstadt, near Munich, ES-Pro Audio has been importing and distributing world leading pro audio products since the formation of its studio sales division in 2003.

The company's owner, Erwin Strich, says he was keen to represent the Prism Sound brand because he has always been impressed by the sonic accuracy and low latency of its range. Prism Sound products include the Lyra, Titan and Atlas audio interfaces and the award-winning multichannel ADA-8XR converter that is installed in many internationally acclaimed audio facilities. ES Pro Audio will also handle distribution for Prism Sound's latest product – the Dream ADA-128 modular system that is aimed at audio professionals across many different disciplines, in particular those who need a high channel count.

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

## Powersoft expands footprint in China



Miao Wang has joined Powersoft China as a solutions engineer in its new Beijing office. Wang, who will host the highly anticipated Chinese launch of the UNICA platform at InfoComm China, is the latest hire for Powersoft's local operation, which recently relocated to the national capital from its previous office in Shenzhen. He will report directly to Abbu Hu, Powersoft's chief representative officer in China. Wang joins Powersoft from a local pro-audio equipment manufacturer, where he worked with clients to deliver professional sound solutions, introduce new products, and provide manufacturer support for important projects and installations.

"I am looking forward to contributing my experience and understanding of professional audio," he explains, "and sharing how Powersoft's powerful products provide the most suitable solutions for the market. I am also excited to collaborate with my new colleagues and partners to meet the needs of and provide the best service to our clients." Welcoming Wang to Powersoft, Hu says she is "looking forward to working with Miao to further drive awareness of the Powersoft brand in the Chinese market".

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

## PK Sound welcomes Spain's Eragin Stac to Global Alliance



PK Sound, the robotic line array company, has added Donostia, Spain's Eragin Stac to the PK Alliance following the company's investment in a T10 robotic line source system from Spanish distributor Adagio Pro. As a PK Alliance Member, Eragin Stac can augment its T10 system with large-format Trinity Black robotic systems from global PK Alliance Hubs, including the upcoming location in Barcelona.

"PK Sound's robotic multi-axis coverage control is special both for its acoustic performance and operational advantages related to the speed and safety of deployment," comments Amal Ariztimuño, CEO of Eragin Stac. "We were very impressed upon hearing the system, and equally so in working with the teams at PK Sound and Adagio Pro. The PK Alliance model is very attractive for a technology-focused company like ours and we look forward to introducing this industry-leading technology to our current and future partners throughout Spain."

Eragin Stac is the first Spanish firm to join the PK Alliance, with an investment including 16 T10 robotic line source elements, eight T218 intelligent

subwoofers, and a PK Cell, which handles signal, network, and power distribution from a single modular touring rack. Once the system had landed, PK Sound's Darryl Ross, Global Education Support, traveled from PK's Canadian headquarters to Eragin Stac's Donostia facility for the initial PK Alliance Member Certification and .dynamics System Design and Workflow training. The company has since enjoyed successful deployments with support from Adagio Pro, led by Director Victor Perez and Product Manager Specialist Josep Sánchez-Rico Castejón, and PK Sound's David Roselló, Southern European Partner Support.

Founded in 1994, Eragin Stac S.L. offers full-service live production solutions and venue services throughout the Northern Region of Spain and beyond.

"PK Sound's robotic line source technology is unlike anything our industry has seen and its potential in Southern Europe is significant," notes Victor Perez, Director of Adagio Pro.

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



## Sennheiser and Lightware partner to boost meeting room experiences

Lightware Visual Engineering, a leading AV manufacturer of connectivity solutions for the professional integrated systems market, has today announced a partnership with Sennheiser, the first choice for advanced audio technology that makes collaboration and learning easier, to deliver a groundbreaking AV solution that caters to the modern, dynamic nature of modern meetings.

The partnership is part of Lightware's ongoing expansion in the meeting and conferencing markets, focusing on delivering innovative solutions designed for hybrid working environments.

Lightware and Sennheiser are joining forces to develop a highly efficient and immersive audio-visual solution, which will feature Sennheiser's ceiling microphones, such as the TCC2, which are equipped with state-of-the-art technology to capture high-quality voice and beamforming technology that provides information about the direction of the sound source. When integrated with Lightware's Taurus UCX, which employs Lightware Advanced Room Automation (LARA), this powerful integrated solution will process the information from the Sennheiser Ceiling microphone and control a PTZ camera to visually track the voice source.

The technology will ensure that remote meeting participants can clearly see and hear who is speaking at any given moment. It will also feature built-in



TeamConnect Ceiling 2 (TCC2)



intelligence to detect multiple speakers and adapt camera focus accordingly. In instances of silence, it also provides a comprehensive view of the room – a capability essential for holding successful meetings in medium to large meeting rooms where participants also attend remotely.

As a result, remote participants in meetings held in rooms designed for eight or more people will enjoy a more personal and engaging experience, as they can clearly see and hear on-site colleagues. In addition, organisations seeking to standardise this solution globally can rely on the cooperation between Lightware and Sennheiser, while AV professionals, including integrators and consultants, can implement a cutting-edge technology solution.

"This is an exciting partnership with a huge degree of potential," commented

Gergely Vida, CEO. "When joint Lightware and Sennheiser solutions come to market, remote meeting participants will be able to hold much more effective one-to-one discussions with both individuals and groups within the live meeting location room. This represents an important set of capabilities in the hybrid working era."

"Sennheiser is excited to partner with Lightware to support TeamConnect Ceiling Microphones on the Taurus platform. Our customers want meeting room solutions that are easy to use without sacrificing audio quality," said Charlie Jones, Global Alliance & Partnership Manager at Sennheiser. "The Lightware solution delivers on all accounts."

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

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

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

## AUDAC announces Sonic Value as new exclusive distributor in South Korea



Sean Lee, CEO Sonic Value

AUDAC is thrilled to announce its partnership with Sonic Value as the exclusive distributor of the AUDAC brand in South Korea. Sonic Value, known for its expertise in the audiovisual market, will now represent AUDAC and its wide range of products in South Korea. Sonic Value has built a strong reputation in South Korea for its commitment to delivering high-quality AV solutions and customer satisfaction. With a clear understanding of the company's development strategy and a team of highly qualified professionals, Sonic Value is well-equipped to introduce AUDAC's cutting-edge audio solutions to the South Korean market.

Changhun Han, the AUDAC Brand Manager at Sonic Value, expressed his excitement about the partnership, stating, "We are delighted to collaborate with AUDAC as their exclusive distributor in South Korea. AUDAC's comprehensive product range offers solutions for a wide range of applications, enabling us to serve our customers with complete audio solutions. We look forward to introducing AUDAC's innovative products to our partners and providing them with excellent service."

Mark Asselberghs, International Sales Director at AUDAC, also shared his enthusiasm for the partnership,



Brand Manager Changhun Han with AUDAC Sales Director Mark Asselberghs

remarking, "Expanding our global network and establishing new partnerships is a crucial part of AUDAC's growth strategy. We are thrilled to welcome Sonic Value into the AUDAC family and confident in their ability to effectively represent our brand in South Korea. Together, we aim to deliver exceptional audio experiences and build long-lasting relationships with our customers."

With Sonic Value's extensive knowledge of the South Korean market and AUDAC's commitment to delivering cutting-edge audio solutions, this partnership promises to offer enhanced audio experiences to customers across South Korea.

[audac.eu](http://audac.eu)

## Clair Global welcomes Sound Image to the team



Clair Global announced today that fellow industry leader, Sound Image, will join the Clair Global Group. This partnership will enhance both organizations' live production and systems integration capabilities and will result in a larger depth and breadth of service and product offerings for Clair Global and Sound Image clients alike.

Sound Image CEO, Dave Shadoan, who has led the organization since the late seventies, comments, "As I looked ahead and considered my next steps, I knew that partnering with Clair Global would further safeguard a sustainable and prosperous future for our employees and our clients. It became clear that Clair was a good fit because of our mutual dedication to fostering meaningful connections in business, coupled with an unwavering commitment to exceptional customer support and service."

"Sound Image has a solid reputation in both live events and AV integration," adds Troy Clair, president and CEO of Clair Global. "We're thrilled to welcome their exceptional employees to our team and believe their skills and expertise will seamlessly blend with our group, enhancing the value we provide on a global scale."

[clairglobal.com](http://clairglobal.com)  
[sound-image.com](http://sound-image.com)



## Prism Sound appoints Matrix Pro Audio in Norway



Frank Oestrem

Prism Sound has appointed Matrix Pro Audio as its distributor in Norway, with responsibility for its entire range of audio conversion products including the recently launched Dream ADA-128 modular system. Based in Rykkinn, near Oslo, Matrix has over 20 years' experience of providing pro audio equipment to the Norwegian market and specialises in supporting all market sectors, including project studio owners, singer/songwriters, sound designers, educational establishments and science and research academies. As well as handling Prism Sound, the company also retails products from manufacturers such as PMC, Dangerous Music, Wes Audio, Tegeler Audio Manufaktur, Manultec, Rockruepel, Flock Audio, Elysia, Gainlab Audio, Buzz Audio and many more.

The company's owner, Frank Oestrem, says he is delighted to represent an established brand with an exceptional range of products that fit perfectly into Matrix Pro Audio's existing portfolio. "Prism Sound is known for its legendary quality, but I feel it deserves to be more accessible to Norwegian audio professionals," he says. "I think we can reach a much bigger client base and to that end we will be running competitive promotions over coming months to attract new customers."

[prismsound.com](http://prismsound.com)  
[matrixproaudio.no](http://matrixproaudio.no)

## Genelec chosen as Finland's Brand of the Year



Genelec – the global leader in professional loudspeaker systems – is delighted to have been chosen as Finland's Brand of the Year. Organised by Finland's Chamber of Commerce, the annual competition is focused on fostering Finnish brand expertise and long-term brand development work, with the results being announced during the recent Great Brand Day at Helsinki's Music Centre.

With a shortlist that also included the celebrated Finnish brands Lumene, Niemi and Siili, an expert jury of brand and intellectual property professionals evaluated many criteria – including brand story, customer experience, innovation, intellectual property protection, communication strategy, brand book and brand image. Additionally, members of the Finnish public were also able to play a part in the shortlisting process by nominating their favourite brand.

"The Genelec brand is built on the company's core values and is based on competence and enabling people to flourish," comments Marja-Leena Mansala, chair of the Brand of the Year jury. "The uniqueness and continuous renewal of the brand are driven by research, innovation and IPR, as well

as the commitment of its personnel. Sustainability is just as important to the company as sound quality and profitability, and through its uncompromising operations, Genelec has grown into an internationally recognised brand."

Genelec Managing Director Siamäk Naghian adds: "We'd like to thank the award organisers, the jury and the public, and we're delighted to share this accolade with all the employees and partners that have helped us over the last 45 years – as well as the many customers that have continuously inspired us to innovate. Based here in the small Finnish town of Iisalmi we've always remained focused on our original goals, and we hope that we've shown how hard work and belief can create a truly market-leading global brand – no matter how humble the origins!"

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

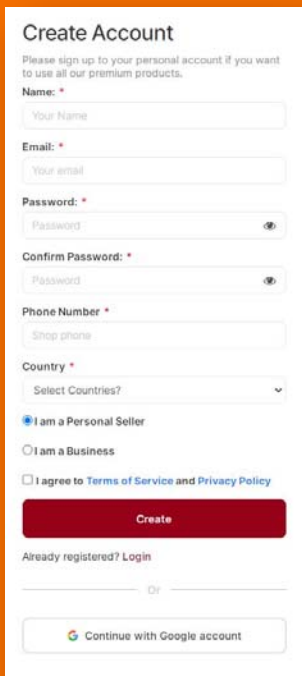
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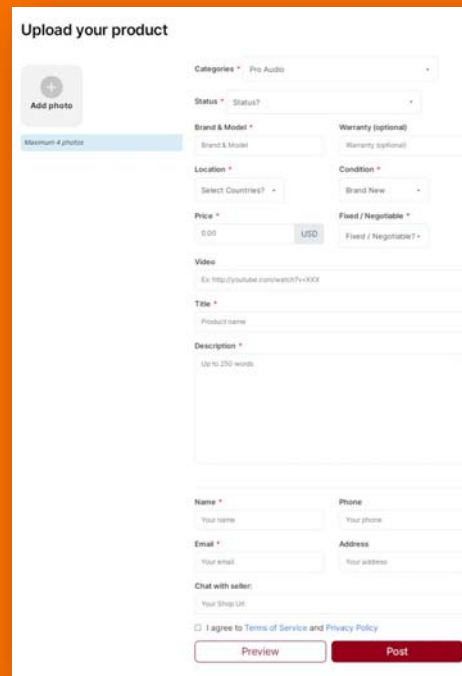
Unlike the usual Pro AVL (Audio/Video/Lighting) marketplace websites, buynsellAVL.com is not a strictly "used-gear" site. You can choose to create your own store as a personal or business account. In fact, this site is ideally suited for brands and distributors to have a very affordable e-commerce presence for directly sourcing the interest of new customers. And the best part is, we do it for a ZERO (0%) percentage commission. Stop waiting for the perfect time to start ... **START SELLING TODAY!**

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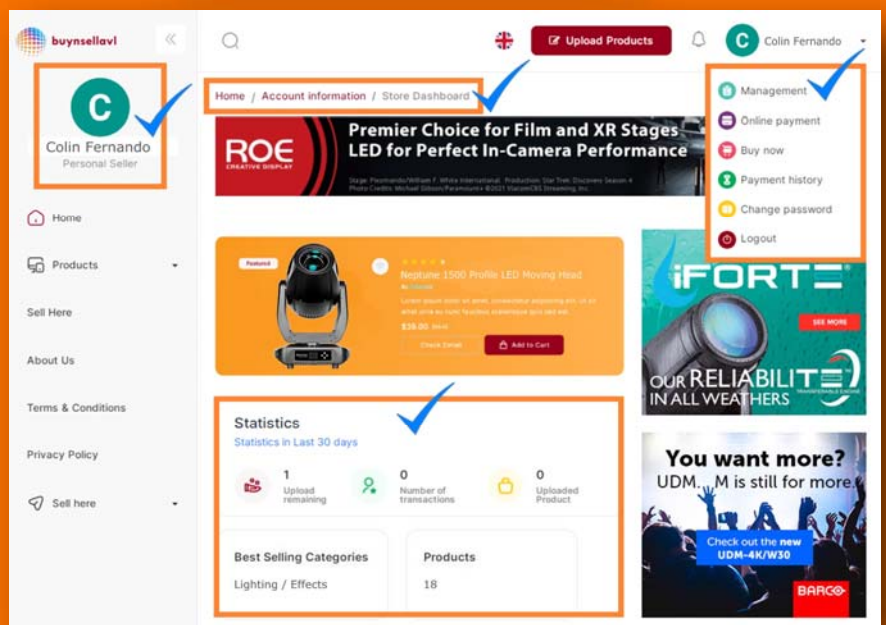
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- Up to 4 images
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- Include your contact details for the buyer to contact you directly
- Click POST
- Your item is now looking for a buyer!

As a Personal or Business Seller, your Store Dashboard offers you with simple navigation tools so you can easily maintain and monitor all your previous and current sales transactions.



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WWW.BUYNSELLAVL.COM





## KV2 parties hard at the Rave Jam Music Carnival in Lianjiang



Hosted by the Entertainment Times and co-organised by the Longjoin Group—who are also the creators of the event—the Rave Jam Music Carnival is a massive outdoor music festival that combines an eclectic spread of electro, rap and pop music to appeal to a wide audience. The first edition took place in Linjiang’s Cherry Blossom Park over the May Day holiday weekend and welcomed nearly 24,000 festival-goers over the course of the two days. To cover such a vast area, the Longjoin Group provided a front-to-back KV2 Audio system based on the flagship VHD5 Constant Power Point Source system supplemented by smaller VHD systems for sidefill and frontfill, plus a full complement of ESSeries DJ monitors and ESM stage monitors.

The festival boasted a stellar line-up of nationally and internationally renowned Chinese and Asian artists including Aryue Zheng Yue, one of the world’s top 100 DJs in 2022, DJ KAKA—the first Chinese top 100 female DJ—plus DJ Tommy, DJ Remis, DJ EDL and many, many more. In addition to the music, festival-goers were treated to a dynamic technology exhibition area,

60 local food stalls and a spectacular fireworks display plus of course state-of-the-art video technology.

Longjoin Group— an organisation dedicated to the global audio and video industry and building a world-class integrated platform for musical culture—was determined to provide the best possible audio and video experience for audience members and artists alike. To handle the audio experience for over 10,000 people, they selected KV2’s VHD5 Constant Power point source system that is specially designed for large-scale concert sound reinforcement. A L/R system comprising a VHD5.0 mid/hi unit, a VHD8.10 low-mid and an SL412 downfill per side was deployed—all powered by their dedicated power and control units—with the low end being handled by eight super-powerful VHD4.21A (active) subwoofers which also provided power for a further eight VHD4.21P passive subs. Sidefill duties were handled by a pair of VHD2.0 long throw mid-high systems along with six VHD4.18 quad 18-inch subwoofers.

A VHD1.0 per side was chosen for frontfill along with four ESD12s. The DJ monitor set comprised two ES1.0 combined with a pair of ES1.8 subwoofers along with an SD8 stage preamp and a COMPEX dynamic harmonics control unit, also from KV2. Finally, the lineup was completed with four ESM12 and two ESM312 stage monitors for the band performers.



VHD5  
Constant Power  
Point Source Array





"It was a privilege to have been involved with such a spectacular, yet well-run event," says Chief Festival Director LinLiu. "The audio was absolutely stunning, even right at the back of the listening area—loud, punchy and yet crystal clear, no distortion at all, so even though you've spent all night in what is essentially a massive outdoor club, you don't leave with a headache and your ears ringing. The other amazing thing about KV2 technology is how compact it is for the area it has to cover. It makes setup and breakdown so much easier! We're already looking forward to the next show."

ESM12

Music director Yi Zhen Zhou agrees: "I have participated in many large-scale electronic dance music (EDM) festivals, but this time it left a deep impression on me because the sound effect was the most natural, comfortable, and exciting I have ever heard," he recalls. "The PA at the Rave Jam Music Festival sounded very different from other EDM festivals,



and it didn't look like a line array. It was the first time I'd seen a large-scale point source system in operation, and to be honest, the sound it produced has completely overturned my perception of EDM festivals: firstly, I have always believed that only line arrays are possible for EDM festivals; secondly, I have always believed that the festivals I have heard before were pretty much as good as you could get—I now realise this isn't the case! It is possible to do better, and without line array! I really look forward to seeing and hearing it again at future EDM festivals."

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



## Clear-Com Arcadia upgrade expands Northridge Church's creative boundaries



Northridge Church's fusion of technology and creativity – as evidenced by their praise band playing against an LED backdrop of digitally rendered but stunningly effective stained glass 'windows' – is immediately compelling. That fusion is integral to their mission at their Plymouth, Michigan main campus, says Brandon Schultz, Northridge's Live Video Director, emphasizing behind-the-scenes communications' role in their wide-ranging ministry services. More importantly, he notes how critical their pre-existing Clear-Com® infrastructure and the recent integration of Clear-Com's Arcadia® Central Station are as tools for realizing their broader vision.

The adoption of Arcadia as part of an overall upgrade to their intercom infrastructure is a prime example of optimizing technology to allow for more creativity, as it allows the

church's production team to leverage their intercom system more effectively to create ever more immersive and high-impact worship services. "We already had an extensive comms system based on the Clear-Com Encore® Analog Partyline system that we've 'grafted' onto over the years, but we wanted to bring it forward in a way that our growing creative ministry needs," Brandon says.

Northridge had already been evaluating Arcadia as a solution, but the release of the integration of Arcadia with HelixNet® Digital Partyline, Schultz says, "sealed it for us. Once we understood what Arcadia was capable of, it was a slam dunk. We looked at competing options, but nothing had the same comprehensive feature set and native integration."

Arcadia checked all the boxes: "Not only for our existing needs but the more creative ideas we have had about how we can use our intercom system beyond how we've used it before," Brandon says. Plus, they were able to retain their legacy wireless system and integrate it into the new Arcadia-based system seamlessly. "We didn't have to change out our entire system to go digital, or redo how we send comms to



cameras and distribute them to video control," he adds. "And, frankly, the price point was far better than I had imagined it to be, given what Arcadia is capable of."

Ultimately, Arcadia was installed in the campus' production booth, with FreeSpeak Edge® 5GHz IP transceivers distributed in multiple zones in the church to support FSE wireless beltacks. Overall, Arcadia has delivered far more functionality and flexibility, allowing IP connectivity and greater channel capacity over a single network cable instead of via multiple runs of copper through the building, thereby substantially increasing wireless coverage across the entire campus (as well as the number of production staff who can be on comms simultaneously), and, by extension, simplifying their workflow.

Brandom adds, is a feature they didn't know they needed until they had it.

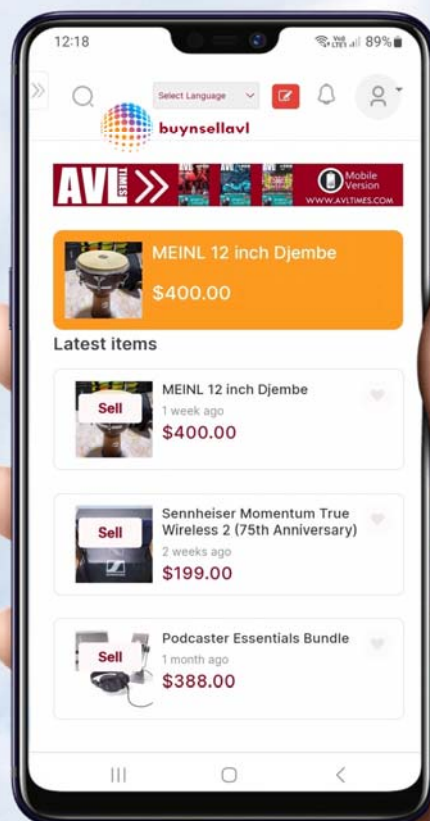
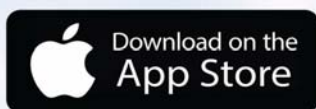
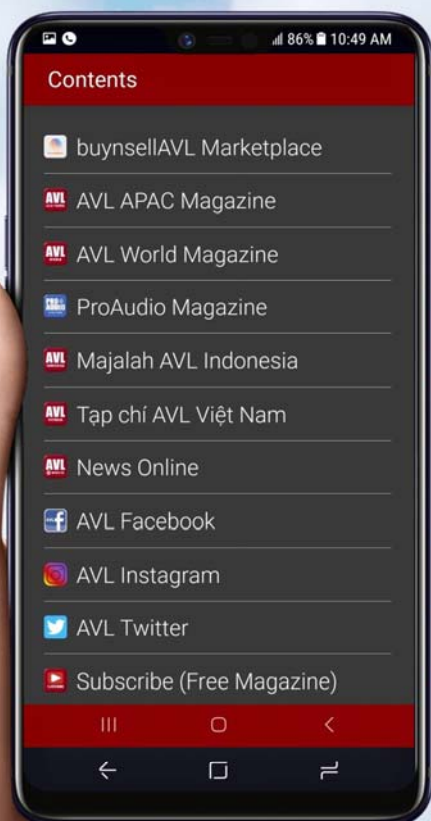
"Then, suddenly, we felt like we didn't know how to go without that. And with so many channels on a single pack, we can assign unique, point-to-point private lines rather than have everybody on one channel, so our comms experience is much more peaceful and efficient than ever before." More importantly, Northridge Church's leadership and production teams are no longer bound by their older system's limitations. Instead, in the future, they're free to expand at will and give their creative impulses free rein. "The integration of Arcadia, how the whole system works together –



two-wire, four-wire, HelixNet, FreeSpeak – Clear-Com's offerings are so numerous and well-integrated, it's plug and play. As long as we're in that massive Clear-Com ecosystem, I'm confident we'll have smooth integration anywhere in our building."

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

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





## KV2 and TiMax produce a tasty mix at Sound Kitchen in Prague

Sound Kitchen, now in its 15th year, recently took place as part of the Prague Quadrennial 2023. Held every four years—as its name suggests—the Prague Quadrennial is an international festival of theatre and stage design that celebrates the diversity of all theatre arts in a holistic and interactive way. SoundKitchen, as part of PQ2023, provides a unique opportunity for the audio-curious to perform their work and exchange ideas in an experimental and experiential, multichannel and immersive environment.

The collaborative exploration project is organised and co-curated by sound designer, Peter Rice, and Out Board's Robin Whitaker, with support from a selected team of international sound designers, engineers and artists, as well as manufacturers, committed to the highest quality audio reproduction.

Invited to join the fold for this year's Sound Kitchen, KV2 Audio supplied loudspeakers and amplification into a system design centred upon a 64-channel TiMax SoundHub spatial audio matrix with Dante. Analogue output from TiMax supplied six KV2 Audio ESP1000 4x250W amplifiers, driving a total of sixteen KV2 Audio ESD Cube full range loudspeakers and six EX1.5 subwoofers. KV2's ESD Cubes were distributed through the length of the venue, five per side and five overhead, with subs positioned in pairs at the front, middle and end of the room.

Robin Whittaker hailed the event as, "another year of enjoyable audio exploration". He added, "SoundKitchen is a very special event and an important, safe and fun space for budding and established sound artists and designers to come together. Every year it's enlightening." Robin continued, "We were honoured that KV2 Audio accepted our invitation to join us at SoundKitchen. I have the highest respect for KV2 loudspeakers and have been continually impressed with their excellent sound quality. Many thanks to them: their guys were



ESD CUBE

amazing, the ESD Cube loudspeakers sounded fabulous, and the subs were very musical."

KV2 Audio's CEO George Krampera, was equally pleased: "It's great to be part of an event like Sound Kitchen that encourages experimentation and pushing the boundaries in audio and performance—ideas that very definitely resonate with us at KV2—and especially here in Prague on our home turf. We were also happy to note how good the system sounded with the TiMax analogue outputs. We hope to be able to collaborate again soon."

[www.kv2audio.com](http://www.kv2audio.com)  
[outboard.co.uk](http://outboard.co.uk)



## Zepp Hall Network expands with new STM-equipped concert venue in Malaysia



A subsidiary of Sony Music Entertainment (Japan) Inc, the Zepp Hall Network has expanded with a new concert venue in Kuala Lumpur, equipped with a NEXO STM line array.

Located in the heart of the city, the new hall has a capacity of 2,414 and boasts similarly high-quality facilities as the existing Zepp Hall Network of eight performance spaces in Japan and one in Taiwan. The availability of a world-class, pre-installed sound system is central to the audience experience, while also making set ups and sound checks easy for performers, while saving costs for event organisers.

Designed in collaboration with Bertrand Billon from NEXO's Engineering Support Team using NS-1 configuration software to ensure maximum throw efficiency and even SPL coverage, the STM system was supplied and installed by Concept Associates (KL) Sdn Bhd,

a well-known distributor and audio-visual and lighting system integrator in Malaysia.

The STM system is configured in left and right arrays using 8 x flown cabinets of M46 Main modules supplemented by 8 x B112 Bass Extension modules per side. Pairs of M28 Omni modules are suspended from each cluster to provide down fills for the first few rows.

The subwoofer system consists of 9 x ground stacked S118 bass units on each side with two additional subs below the stage centre for maximum coverage.

The system is further supported with 4 x mobile units of NEXO GEO M10 line array modules at the stage front which can be deployed as necessary to provide more fills for added clarity.







Flexible stage monitoring is provided by 4 x NEXO P12 point source speakers, with an additional 12 x PS15R2 cabinets also available for use. Pairs of NEXO GEO M12 cabinets are stacked above pairs of LS18 subs for stage side fills. Amplification and processing come from 18 x NEXO NXAMP4X4 Powered TD Controllers equipped with Dante audio network cards, providing a total of 72 amplifier active channels.

With additional support from NEXO Engineering, the system was set up, aligned, and tuned for high SPL levels and optimised frequency response throughout the hall. "From the moment the system was first turned on, we could sense the huge volume of sound and dynamics available to throw this venue into a frenzied party mood at any time" comments the team from Concept Associates. "And the balcony seats get to enjoy the same sound pressure levels, linear distribution, and full tonal performance as the audience on the floor."

Commenting on behalf of Zepp Hall Network Inc, Operation Division VP Shinichiro Honda adds: "By ensuring our KL event space meets the highest standards of our hall networks in Japan, we are confident that we can ultimately contribute and help Malaysia's entertainment and events industry to continue growing to new heights by offering a world-class concert venue and event hall."

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



## Norwood Theatre delivers immersive live sound experiences with Soundcraft Vi3000 console

Built in 1927 and fully renovated in 2012, the Norwood Theatre is a performance venue that hosts concerts, plays, musicals, and comedy in Norwood, a southwestern suburb of Boston. As part of the 2012 renovation, Norwood Theatre turned to provider Pro Sound Services to install a complete HARMAN Professional live sound reinforcement solution, consisting of JBL VT4886 and VRX Series loudspeakers, Crown amplifiers, BSS signal processors and a Soundcraft Vi1 console at front-of-house. Norwood Theatre's production staff were pleased with the workflow and sound quality of the Vi1, but they wanted to upgrade to a similar desk with more faders. In 2022, outgoing Production Manager Ed DiMarzio and current

Production Manager Jeff Morley worked closely with Charlie Tappa of Pro Sound Service to replace the Vi1 with a brand new Soundcraft Vi3000 digital live sound console at Norwood Theatre's front-of-house mix position. "The system we installed in 2012 was part of a huge renovation," said Tappa. "We did analysis on what would be the best products to fulfill their needs, not only for live music performances, but for pro theater as well. The combination of the JBL loudspeaker system and Soundcraft mixing solutions has worked very well for them. All through the ten years since that installation, the customer said that they wish they'd invested in a larger console. They didn't need more inputs, but they wanted more faders on the control surface. The Vi3000 was the next natural progression." The Vi3000 is a 36-fader, 24-buss digital live sound console with two expansion bays that can be fitted with MADI Stagebox cards to connect multiple Soundcraft Stageboxes at one time.

[prosoundservice.com](http://prosoundservice.com) [soundcraft.com](http://soundcraft.com)



Charlie Tappa



Jeff Morley

## Hope Church upgrades audio worship experience with JBL Professional

Hope Church, located in the Memphis suburb of Cordova, recently collaborated with Diversified Systems and HARMAN Professional Solutions to update its sound system with a state-of-the-art JBL Professional audio solution. Hope Church's audio director Tim Kanter reached out to Jeff McOlgan of Diversified Systems and—with help from the HARMAN Professional Applications Team—conducted a system review to see if they could improve the worship experiences with more JBL speakers. The team utilized Ease and Line Array Calculator software to design and implement a new audio system configuration that resulted in more comprehensive coverage and clarity than they previously thought possible in the challenging acoustic space. The sanctuary sound solution installed by Diversified is based on a traditional left-right system configuration of two ten-unit arrays of JBL VTX V20 speakers, with two outfill arrays of ten V20 speakers each to increase the horizontal coverage in the large room. Five AE Series speakers were added in delay fill positions to cover the separate rear raked seating areas. A high-output center fill enclosure also offers a strong focal point for the front-center seating area. Finally, 12 VTX S28 subwoofer enclosures in 3-box cardioid groups were also horizontally steered for more even lateral coverage. Hope Church's newly upgraded audio system ensures the ability to address all seating areas with consistent SPL distribution and less unwanted dispersion.

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





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## Fortress Sydney levels up with the might of NEXO



With over 50 years of dedicated experience in the audio-visual landscape, The Avit Group deploys industry-leading technology in the design of comprehensive systems for hospitality and entertainment venues nationwide. Tasked with the installation of a premiere audio system for the exhilarative Fortress Sydney, The Avit Group chose state-of-the-art technology from French loudspeaker brand NEXO. After careful review of a variety of speaker options for the Arena, NEXO's celebrated P+ system was deployed in a L+R hang configuration, made up of a P15 loudspeaker and L18 sub on each side. The Avit Group's Operations Manager, Adrian Davis, reveals that "NEXO's reputation for delivering pristine sound quality, combined with the versatility of their P+ series, made it a clear choice."

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



## PTT's conference room is transformed with Avantis Mixer providing customizable control and superior sound

When the time came for Thai company PTT to install a new press conferencing room with premium-grade technology, they reached out to professional audio company Sonos Libra for design and installation services. With the company needing a digital mixer capable of supplying 64 channels and offering Dante and Crestron integration with outstanding audio quality, Nattapoom Pumipuntu, Project Manager at Sonos Libra, opted to build the system around Allen & Heath's 96kHz Avantis mixer. The mixing console provides PTT with a flexible and powerful heart of their audio system - boasting continuity UI and extensive I/O options that suit the multipurpose venue. Additionally, Allen & Heath's free Custom Control software enables highly customisable cross-platform control of the Avantis from iOS and Android devices as well as Windows and Mac computers. Dante networking, via a Dante 64x64 card fitted in the Avantis, provides full integration with the PTT's Crestron NVX system used to integrate their audio and visual network streams throughout the facility. A DT164-W expander that PPT included in their audio package also connects to the console via Dante, providing 16 microphone preamps and four line outputs in an unobtrusive wall-mount format. When the venue is in use as a conferencing room, the AMM (Automatic Mic Mixer) feature on Avantis is regularly utilised for more than 40 mic channels.

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





## Award-winning Icelandic PAC Harpa levels up communications with Clear-Com

Located in the heart of Reykjavík, Harpa is a multi-venue, multi-purpose facility, home to the Iceland Symphony Orchestra, Icelandic Opera, and Reykjavík Big Band. It has won numerous awards for architecture and its role as a concert hall and conference center since it opened in 2011.

Harpa features four primary performance venues ranging in capacity from approximately 200-1,800 people (a symphonic concert hall, recital hall, dividable black box conference hall, and a small theatre) and numerous smaller multi-use spaces. The sprawling complex was initially equipped with a Clear-Com Encore® Analog Partyline (PL) system and Eclipse® HX Matrix system, which has since been augmented with V-Series Iris™ Keypanels, FreeSpeak II® Wireless intercom, E-IPA IP capabilities, and the Agent-IC® Mobile App. The recent integration between Clear-Com's intercom and QSC's Q-Sys amplifier platform, however, has provided a substantially higher level of functionality and integration between the venue's paging, intercom, and house audio systems.

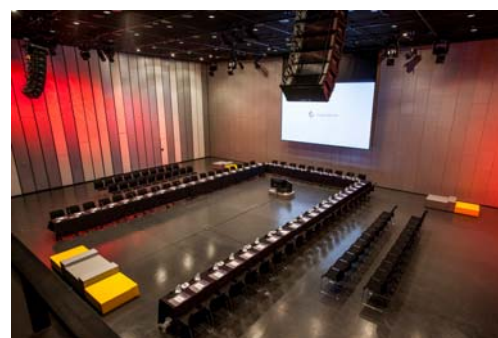
During the COVID-19 pandemic, Harpa began shifting its infrastructure to Dante interfaces to address the increasing demand for virtual and streamed events, for which their Clear-Com intercom system and ability to integrate it closely with platforms like Zoom were critical. But their ultimate goal was to tighten integration between paging and intercom systems to allow immediate and easy access, selection, and playback of pre-recorded announcements, music, and other assets (including safety/security messages) in each of, or any combination of, Harpa's approximately 33-36 paging zones. When Harpa staff began considering this project, they were initially uncertain of the best way forward, explains Andri Guðmundsson, Harpa's Technical Director – Events and



Technical Management. So, they began by working with Clear-Com and discussing ways to create an advanced programming system to interface between Clear-Com and Q-Sys and include Dante connectivity. For example, Andri wanted the stage manager to be able to run paging messages and announcements straight from the intercom panels.



The upgrade project also addressed some issues dating back to the venue's in-house paging systems owing to an early decision to merge Harpa's evacuation and announcement systems, as well as intermittent problems with the pre-existing AMX management in some rooms and the previous analog messaging system. "That's why we needed a solution," Andri adds. The effort involved replacing Harpa's paging system and reusing some existing infrastructure, including their original Clear-Com Eclipse and Encore systems. They upgraded to FreeSpeak II and added E-IPA cards for remote connectivity to broadcasters, additional Agent-IC licenses for future use by ushers and other front-of-house staff, and E-DANTE cards to interface



between the Clear-Com matrix and Harpa's new QSC Q-Sys distribution system. The result is "a huge degree of flexibility and programmability," Andri says. "It's the flexibility to route almost anything, anywhere, without having to make any physical interconnections. So, even though the integration is rather complicated, the end user gets a simple interface."

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

## Stage Audio Works adds Plus Audio system to 3Ci Church campus

Capital City Church International (3Ci) is one of the larger churches in Pretoria, South Africa, and definitely one of the most technologically advanced. Stage Audio Works was the AV design and integration partner for 3Ci's new building which was delivered in 2021 – a highly successful collaboration that has resulted in an ongoing partnership. 3Ci has turned to Stage Audio Works once again, this time to equip a smaller 300-capacity hall – known as 'the Cube' - with a PA system as part of the second phase of AV works. The first phase was the initial build – a huge development that features a state-of-the-art 2,500 capacity main auditorium for which Stage Audio Works designed and integrated a complete PA and control system based on d&b Y-Series and Yamaha consoles. At Stage Audio Works' recommendation, 3Ci also engaged an



acoustician to ensure the space was properly acoustically treated before the PA went in to ensure optimum results. The company also supplied a building-wide background music and control system. However, the 3Ci campus isn't just the auditorium; it also comprises a number of other spaces that require high quality AV systems, including the 300-capacity 'Cube' dedicated to activities for 3Ci's younger generation. Stage Audio Works installed a L/R system comprising one PA14i-30 (30-degree vertical coverage) and two PA14i-15 (15-degree vertical coverage) constant curvature array cabinets per side, supplemented by a pair of flown L121B subwoofers. Amplification was provided courtesy of a pair of Plus Audio 12AD 4-channel amplifiers with onboard DSP. All rigging and flying equipment also came from Plus Audio.

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

## Allen & Heath dLive System packs a heavyweight punch on Devin Townsend's Lightwork tour

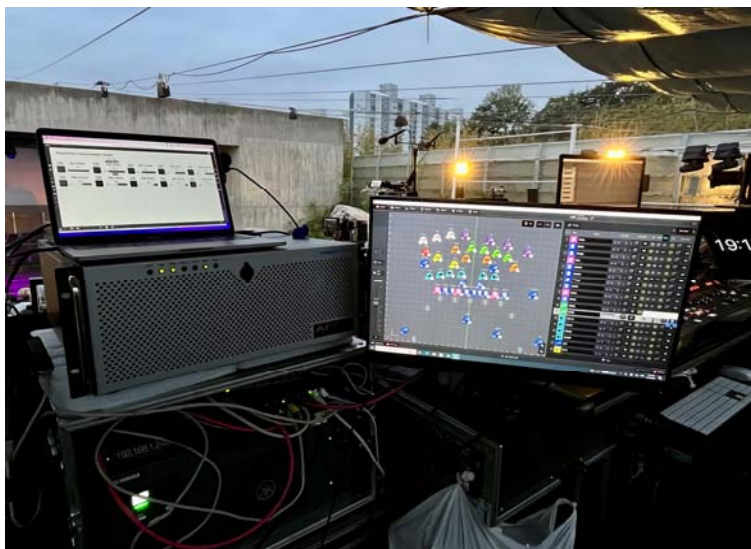
Canadian progressive metal pioneer Devin Townsend recently completed a European and UK tour in support of his latest album, 'Lightwork', taking in shows from Oslo to Milan, Lisbon to London. Throughout the tour FOH engineer Christophe Edrich and monitor engineer Sam Chadwick handled their mixes on Allen & Heath dLive C1500 control surfaces, sharing a CDM32 Mix Rack between the two. Supplied by STS Touring Productions and Pulse PA, the C1500s were chosen for their unique combination of small size, comprehensive feature set and excellent sound as Chadwick explains, "The C1500 / CDM package is incredible for touring. Although the venues we're playing are similar capacities, the differences in stage size etc are significant. But the CDM is easy to fit in anywhere and I've never had a set-up this size that's so functional and so 'musical', for the want of a better word. "We've got the gigaACE networking card in the CDM32 so that we can run both C1500 surfaces on the single MixRack and we're breaking out into two DX168s on the drum riser (with an additional DX168 at FOH providing additional I/O where necessary), which are daisychained. It's all very streamlined and it's been totally flawless for the whole tour."

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





## Yamaha AFC and NEXO help to create an immersive opera production in South Korea



A recent production of Verdi's *La traviata* in Busan wowed audiences with enhanced acoustics and amplified sound and effects that tracked the performers as they moved around the stage. Staged at in the open air at the cultural complex and former wire factory F1963, Yamaha AFC was used to create the spatial feeling of a classic concert hall, while each performer wore a TTA Stagetracker location sensor along with a wireless microphone pack.

The sound was reproduced in 3 dimensions by multiple speakers positioned around the venue including 5 x NEXO P12s along the top of the stage and NEXO ID24s suspended on wires above the heads of the audience.

Additional NEXO PS speakers filled in from the sides, with amplification and

processing for all NEXO speakers coming from NXAMPMk2 powered controllers.

Building on a successful earlier production of the *Marriage of Figaro* with the same director, sound engineer Suyong Lee designed the system using NEXO NS-1 configuration software which now includes AFC Design Assistant for the integrated design of immersive sound systems.

"In conjunction with the Yamaha PM5 console, the necessary sound effects were adjusted in real time on the console" explains Suyong. "For example, the sound of the carriage was controlled by the touch screen of the console in accordance with the movement of the carriage projected on the stage between acts.



"The clear and precise sound quality of the NEXO P12 is perfect for classical music and the light weight and variable HF directivity of the ID24s made it possible to achieve the coverage we need over the audience."

In a genuine team effort, the system was installed by Magic Alpha Sound with speakers supplied by Mania Sound. The Spatial Audio team from Yamaha HQ were on hand to advise on AFC and Sound Solution provided tech support for the Stagetracker deployment. "Most of all I want to thank the director Yoon Sang-ho who didn't hesitate to agree with my proposal for an ambitious sound system design that helped take the performances to a new level."

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





## Volume.com streams BeachLife festival with Avantis

The BeachLife festival in Redondo Beach, CA celebrates California beach culture with multiple days of music performances across four stages. For the second consecutive year, live music streaming service Volume.com was on-site at the festival's Speakeasy Stage - broadcasting audio and video online through their web platform. "We have a video production rig running vMix," explained Volume.com's Ian Morse, who was part of the Volume.com team at the festival. "That computer takes all our camera inputs and adds graphics, and also pushes our RTMP stream." For audio, the team employed an Allen & Heath Avantis console to capture and broadcast a high quality tailored mix for streaming. "We have a split on stage that feeds into both front of house and our GX4816 stagebox," said Morse. "We then mix it down to two track and feed it into our stream rig to get married with the video feed." With multiple bands performing on the Speakeasy stage, Morse noted that he often had to make use of the Avantis' drag-and-drop strip assign function to adjust the fader bank layouts. "In a fast-moving festival situation, you don't necessarily get much time to prepare with input lists or stage plots in advance," he explained. "Having fully configurable fader layers was huge, because I could just flip to a new fader layer and drag down exactly what I needed."



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

## Andamanda Phuket Waterpark's JBL Professional installation enhances visitor experience

To provide visitors to the new Andamanda Phuket waterpark with an enhanced and unforgettable experience, Mahajak Development Co., Ltd selected and installed a robust AV system by HARMAN Professional Solutions. The new AV system covered all five key areas in the park; The Pearl Palace, the Emerald Forest, Naga Jungle, the Great Andaman Bay, and Coral World. For the audio component, JBL Control 14C/T ceiling loudspeakers supplied the indoor areas with dynamic and clear audio, while the weatherproof JBL Control 25-1 and 28-1 loudspeakers ensure wide coverage for the outdoor spaces. Both speakers are also equipped with the optional JBL WeatherMax-treated grille



cover for maximum, IP55-rated protection against the elements. For the high-traffic, outdoor corridor spaces, JBL Control 88M landscape speakers ensure 360-degree coverage and strong output. The communal spaces like the beach and bar areas utilize a combination of JBL Control 28-1 speakers and JBL AWC129 all-weather compact speakers. Additionally, JBL Control SB2210 subwoofers complement these speakers with warm, punchy low-end sound. To host events around the Water Park, the Mahajak team provided a portable sound system featuring JBL EON610 powered speakers, JBL PRX815 floor monitors with built-in Wi-Fi and JBL PRX818XLF compact subwoofers. The team included a Soundcraft Ui16 16-channel digital mixer to ensure premium sound quality with simple and intuitive controls.

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



## Gateway Theater revamps its performance spaces with JBL Professional



To equip Gateway Theater with impactful sound, Electronics & Engineering Pte Ltd (E&E) and HARMAN Professional Solutions selected and installed next-generation JBL Professional loudspeakers and Crown amplification. Located at the heart of Bukit Merah Central in Singapore, Gateway Theater is a multi-theatre venue that serves as a creative arts space promoting made-in-Singapore works and talents of all cultures. The theater features several performance spaces, including a 922-seat auditorium, 207-seat black box studio, 100-seat sky garden and other multi-purpose studios.

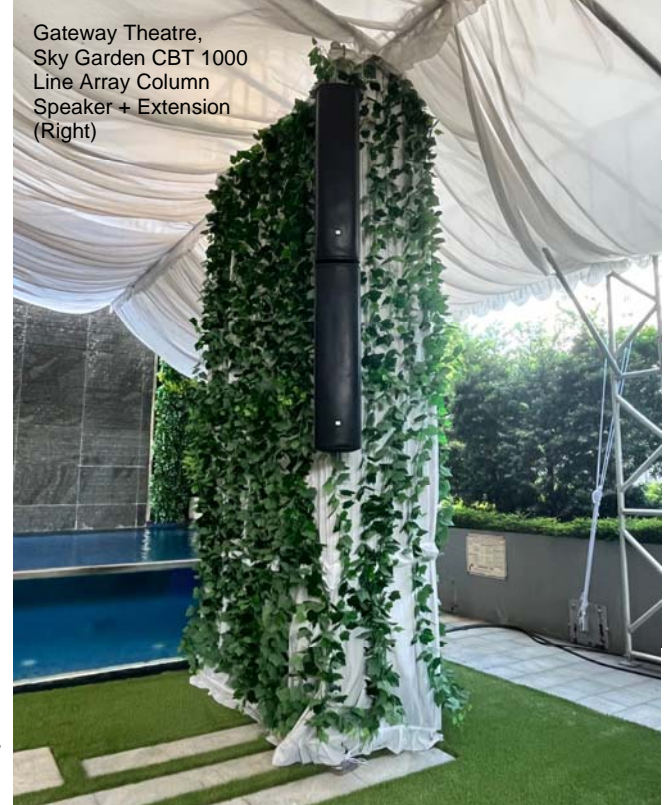
Designed to excel in high-end fixed installations, the JBL VTX A-Series proved invaluable for the main theater. Paired with the extended low end of the JBL VTX B18 subwoofer, the new audio system outputs wider dynamic range for the theater. Additionally, the team installed an array of JBL VRX928LA loudspeakers.

The sky garden received JBL CBT1000 column speaker and CBT1000E speaker extension for improved vertical coverage. When connected, the combined pair provides increased bass

response, pattern control, and sound output levels. The combined array system also utilizes a horizontal waveguide so the audience can hear balanced sound from every seat in the sky garden. For professional-grade amplification, the Crown I-Tech 4x3500HD provides up to 7000W of uncompromising power.

Having been involved in the original installation, we are pleased to be back to update the speaker system in the various venues to better meet the needs of Gateway Theatre and their clients," said Gary Goh, CEO, Electronics & Engineering Pte Ltd. "We are hugely grateful for the trust that the Management of Gateway Theater have placed in us over the years, paving the way for these improvements."

"Gateway Theater can now deliver impactful audio experiences," said Amar Subash, VP & GM, HARMAN Professional Solutions of APAC. "We would like to thank our partner,



Gateway Theatre,  
Sky Garden CBT 1000  
Line Array Column  
Speaker + Extension  
(Right)

Electronics & Engineering Pte Ltd for their trust and confidence in HARMAN's products as we pride ourselves in providing end-to-end solutions, superior sound quality and remarkable coverage for the entertainment industry."

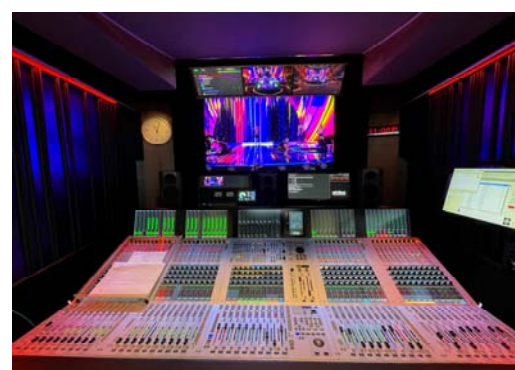
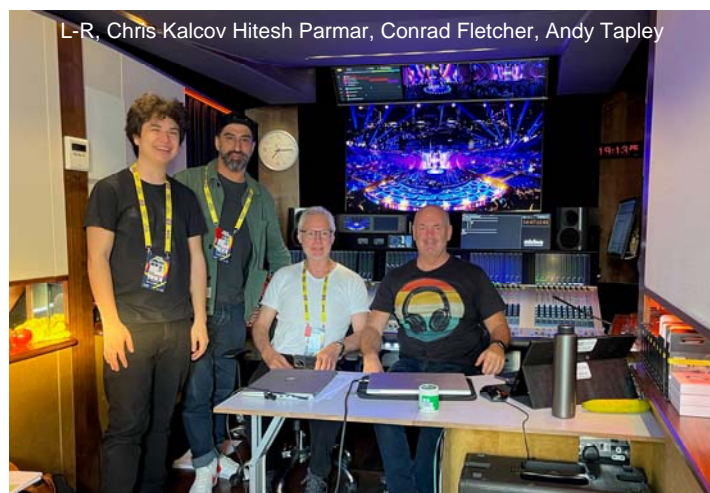
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## The Mixbus uses a Studer Vista X for Eurovision's music mixes

The final of the 2023 Eurovision Song Contest took place in Liverpool, UK, on May 13th. Throughout the week-long extravaganza, music for all of the televised live shows and rehearsals was mixed on the Mixbus, a music and audio outside broadcast facility that now incorporates an Evertz Studer Vista X console. Owned by BAFTA winner Conrad Fletcher's SoundDesign company, the Mixbus was chosen for Eurovision because it is kitted out with a plethora of high-end equipment, including a Studer Vista X console that has the ability to handle complex and technically challenging live music shows. A long time Studer user, Fletcher ordered his new console just three months before the event as a replacement for his old Studer Vista 8 console. "The Vista 8 had always done a sterling job, but I'd been wanting to upgrade to a Vista X for some time in order to carry my business forward for the next 10 years," he explains. "Winning the Eurovision project vindicated my decision to invest. The type of projects we do, especially live to cinema that makes up 50% of our workload, are complex and I honestly believe Studer is the only console manufacturer that can handle them. Nothing else comes close."

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



## Jay Productions find a robust acoustic answer in NEXO GEO M12

Calling on extensive industry knowledge and a curated catalogue of high-end audio-visual equipment, Jay Productions maintains an exceptional track record in providing and deploying technical equipment for events throughout Australia. Demonstrating a consistent quality of work across an array of technical disciplines, Jay Productions service a wealth of corporate, outdoor, and small to large-scale productions each year. With ever-changing event requirements recently under the microscope, Jay Productions have invested in a NEXO GEO M12 line system as their primary scalable solution for production audio. An ongoing dedication to streamlining workflows and refining sound quality lies at the heart of managing director Jason Ghazal's considerations. While prospecting for a suitable solution to elevate the company's existing framework, Jason was impressed by the efficiency and power of NEXO's GEO M12 technology. Answering his need for compact and versatile modules within small to medium-scale applications, Jason explains how the system has efficiently rounded out his arsenal: "We have been undertaking a number of small outdoor productions that range from community festivals to council events. These events called for hardware that would deliver peak sound performance as well as being compact and able to be swiftly configured. The M12 has filled the gap in our collection by providing our sound engineers with a quick and easy turnkey system for bump-ins with short timeframes. The easy and quick installation reduces labour time on site, for both setup and pack up – which our engineers love. Not to mention the sound quality is second to none."

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

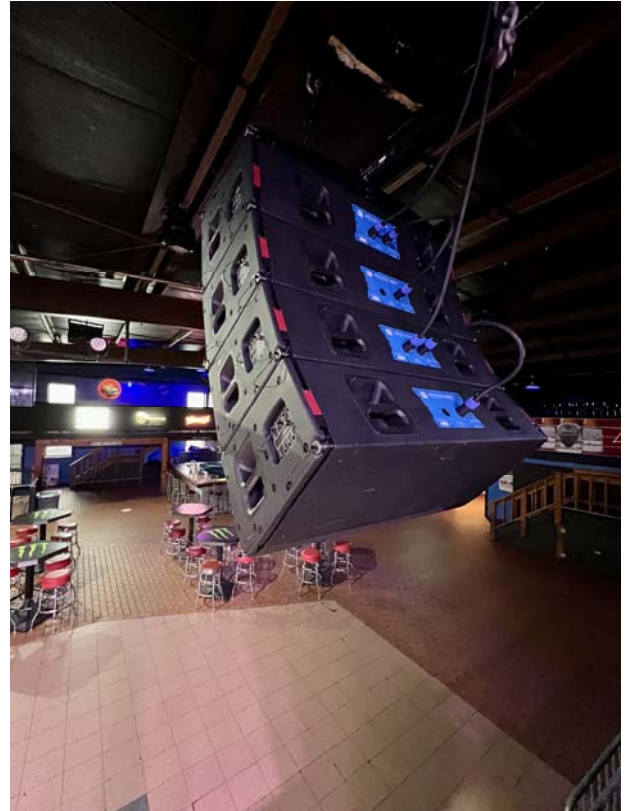




## Pop's Nightclub and Concert Venue ushers in a new era of high octane nightlife with JBL Professional VTX Series

To ensure perfectly balanced sound coverage and quality for a non-stop calendar of concerts and dance parties, Pop's Nightclub and Concert Venue recently decided to replace its aging sound system with a state-of-the-art JBL Professional live sound reinforcement solution powered by Crown amplification. When shopping for the new system, Sankus turned to a trusted colleague, Justin Slazas of Knoxville-based audio provider M&L Sound. Together, Sankus and Slazas designed a streamlined JBL system consisting of eight VTX A12W line array speakers over the stage (hung four per side) and ten VT4886 line array speakers to cover the balcony (five clusters of two speakers each). The VTX A12W's 180-degree dispersion pattern helps Sankus provide the extra wide coverage Pop's needed while still delivering unmatched performance and sensitivity. To provide a powerful bottom end in the entire club, the team deployed six VTX B28 dual 18-inch subwoofers on the ground across the front of the stage. Sankus hung three additional VT4886 to provide supplemental center down fill coverage for the front rows in the audience. Onstage, twelve VRX915 wedges and two SRX835 side fills with four SRX728S subs enable musicians to hear themselves and each other with power and accuracy. The main PA system is powered by 14 Crown ITech 4x3500HD amplifiers with built-in JBL speaker presets, ensuring seamless integration that brings the best out of the venue's JBL VTX A12W and VT4886 speakers.

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



## DPA Microphones are a match made in heaven for Broadway's "& Juliet"

Known for crafting flawless audio for musicals such as "Bat Out Of Hell," "Hunchback of Notre Dame," "Beauty and the Beast" and "Sister Act," Sound Designer Gareth Owen recently worked his magic on the Broadway hit, "& Juliet." As a completely self-taught audio designer, Owen has always aspired to incorporate only the best techniques and high-end equipment into his workflow. Now a seasoned professional with countless musical credits and awards, Owen's work on "& Juliet" recently earned a 2023 Tony Award nomination for Best Sound Design of a Musical. This recognition can be credited in part to the crystal clear sound of Owen's trusted DPA



Microphones solutions, which for this show include the 4066 CORE Omnidirectional Headset Microphones, as well as the 4015 Wide Cardioid, 4099 Instrument and the new 4055 Kick Drum Microphones. A long-time user of DPA, Owen regularly turns to the brand's 4066 CORE Headset Mics for cast members. When it came time to consider mics for the drum kit, Owen found himself testing out DPA's new 4055 Kick Drum Mic. Beyond the 4055, Owen also outfitted the ride cymbals and hi-hats with DPA's 4015 Wide Cardioid microphones, which he notes work really well individually and when paired with the 4055. For the rest of the orchestra, Owen selected DPA's 4011 Cardioids for the brass and reed instruments. A d&b XLS line array PA system, Avid mixing desk and Shure radio mics also keep the show running smoothly behind the scenes.

[dpamicrophones.com](http://dpamicrophones.com) Photo © Matthew Murphy



## Impeccable sound by NEXO meets fine dining at GU Bistronomy in Hanoi



Born of a passion for fine wine and the culinary arts, GU Bistronomy provides an impeccable fine dining experience to customers in the Thanh Xuan District of Hanoi. This uncompromising approach is extended to the choice of sound system at GU, with owners determined that sound quality should match the same high standards as other important areas of the customer offering, and that speakers should complement the sumptuous interior design of the

For audio technology specialists Pro Sound, this meant installing a system based around NEXO's ultra-compact ID14 speakers, with cabinets finished in the same red used as an accent colour on soft furnishings throughout the venue. Employing a custom-designed 4-inch coaxial driver and a 1.4" diaphragm HF motor, the ID14 delivers smooth, clean sound and impressive power from a cabinet measuring just 130mm wide, 130mm high and 120mm front to back. To ensure maximum versatility, the ID14 can be specified with either 100° x 100° or 90° x 140° HF dispersion.



In a system designed in collaboration with the team at NEXO distributor Bao Duong Co using NS-1 software to predict SPL and frequency coverage, a total of 14 x ID14s are deployed, supplemented by 6 x ID84s, 4 x ePS10s and pairs of NEXO ePS6 and PS8. Bass extension comes from 5 x NEXO eLS400 and 2 x eLS600 subs, with amplification and processing supplied by a rack of 7 x NEXO NXAMPMk2 powered controllers. "ID14 is the perfect loudspeaker for a high-end hospitality venue like GU" comments Pro Sound owner and

Managing Director Mr Trung. "Guests enjoy pristine, full range sound with consistent SPL coverage, which helps to create a relaxed vibe in the room without filling it full of ugly boxes."



ID14

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



## German space-rockers H.A.S.A. take off with Allen & Heath ME-1 personal monitoring system

South Germany-based band H.A.S.A. (Heiner's All Star Attraktion) recently updated their entire live sound inventory with an Allen & Heath SQ-6 digital mixer, two AB168 AudioRacks and five ME-1 personal mixers. Assisting with the incorporation of the ME-1 system into the band's set-up was engineer Klaus Bröckel. As a long-term ME-1 devotee, Bröckel has introduced many artists to the personal monitoring solution and was well-placed to ensure the band enjoyed a smooth transition to the new system. While the five members of H.A.S.A. had used IEM systems previously, the move to the ME-1 units brought a welcome new level of individual control and, as Bröckel describes, the switchover was straightforward. "At the first rehearsal with the ME-1s once the input levels were set on the SQ-6 everyone got into dialing in their mixes and within just a few songs everyone had a perfect in-ear mix," he says. Initially the ME-1s were simply connected to an AB168 AudioRack and daisy-chained with a power supply for each unit. Ultimately the band's audio engineer Nils Ott built a half-rack sized enclosure with a POE switch fed from an AB168 and Ethercon connectors at the front to allow the ME-1s to be powered over Ethernet, simplifying set-up and minimising cabling.

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



## Meyer Sound PANTHER spreads the jams at Daze Between New Orleans Festival

For two days in early May, Daze Between New Orleans offered up a piquant musical jambalaya with headliners Goose on the main stage. The festivities were hosted on the expansive grounds of the historic Faubourg Brewery, with Upscale Productions providing a Meyer Sound PANTHER™ large-format linear line array loudspeaker system for spreading potent music throughout the gathering. Goose closed the show on both evenings of the event, with the Connecticut-based improvisational rock masters deftly mixed by their Front of House Engineer and Production Manager Eric Loomis. Upscale Productions had fortuitously engaged the services of notable systems engineer — also FOH engineer, senior instructor for Rational Acoustics and podcast host — Michael Lawrence to optimize the system. "One of the design constraints for festivals in this format is that you have a lot of throw distance to cover but at a relatively low trim height," says Lawrence. "That is a challenge for front-to-back consistency because you want to hang as long an array as possible. With PANTHER, we were able to hang 12 a side within our allotted weight, which gave us higher uniformity and better directivity than we would have been able to achieve with earlier generations of product." Lawrence used the MAPP 3D™ System Design and Prediction Tool and the Product Integration feature in the GALAXY processors to create both the PANTHER main hang and the deep bass array, which consisted of a line of eight two-element cardioid stacks of 700-HP subwoofers, delaying the outer two stacks to match coverage with the PANTHER arrays.

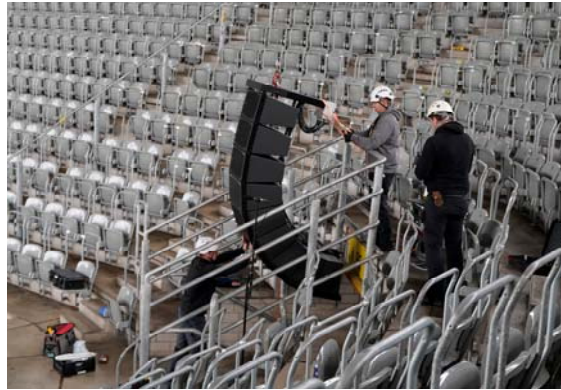
[meyersound.com](http://meyersound.com)





## More audio power for SIGNAL IDUNA PARK with RCF sound systems

In another technical upgrade, the SIGNAL IDUNA PARK (SIP) operator has expanded the stadium's sound system with more than 128 RCF loudspeaker elements. The sound system in the area of the long stands was already modernised in 2013 with new RCF line array systems. To further improve the performance and acoustic illumination of the arena, the sound



systems in the corners of the SIP and the pitch area have now been renewed. For this purpose, fulfil engineering GmbH installed 12 line arrays with 128 RCF HL 40 passive loudspeaker units and 4 TTS 36 passive subwoofers. 8 x RCF HL 2290 and 8 x RCF HL 2260 units were also installed for the sound reinforcement of the playing area. The passive systems draw their power from 24 Powersoft multi-channel power amplifiers. The entire SIGNAL IDUNA PARK stadium is now equipped with 358 RCF loudspeaker systems with more than 500 kW RMS output. Norbert Labudda, Managing Director of fulfil engineering GmbH, comments on using the system: "Our company installed the first RCF units in SIGNAL IDUNA PARK back in 2013. In the process, the corners were deliberately left in the old stock. The venue operator decided to complete the sound reinforcement system to further finalise the performance and acoustic illumination of the arena in view of the 2024 European Championship. We chose passive elements from RCF, which, in addition to uncomplicated and safe rigging, have an optimal IP class and whose performance meets the client's high demands."

rcf.it fulfil-engineering.de



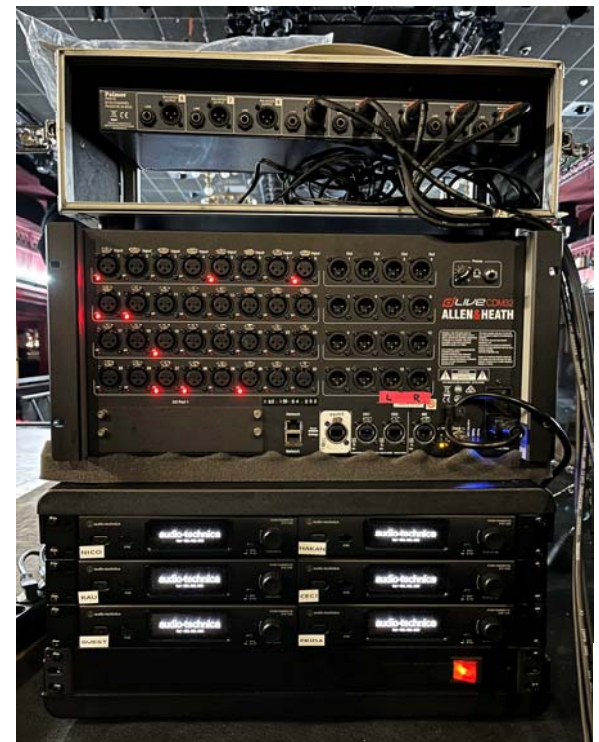
## Allen & Heath and Audio-Technica join forces to bring The Baboon Show to European audiences

Formed in Stockholm in 2003, rabble-rousing Swedish punks The Baboon Show are currently marking their 20th anniversary on a European tour in support of their tenth album, 'God Bless You All'. Taking in dates across Spain, Poland, Austria, Germany and their homeland, the tour has seen the band's longstanding front-of-house



engineer Chris Mock employing an Allen & Heath dLive digital mixing system and Audio-Technica 3000 Series IEM wireless to deliver the band's potent brand of punk-rock energy. Mock opted for the super-compact dLive CTi1500, with its weight-saving titanium sidepanels, connected to a dLive CDM32 MixRack for the shows, resulting in a diminutive but powerful and flexible touring partner, as he explains... "The CTi was my first choice, since I normally tour with a dLive C2500 surface. The set-up needed to be as small and lightweight as possible but working with iPads or laptops and touch screens only wasn't an option for me, so we decided on the beautiful CTi1500, on which I can run the same setup already used on my C2500."

allen-heath.com





## Billboard Live elevates new Yokohama location with JBL Professional



To provide Billboard Live's latest venue in Yokohama with a world-class live setup suitable for a wide range of performances, HIBINO and SC Alliance collaborated with HARMAN Professional Solutions to implement a range of JBL Professional audio and Martin professional lighting solutions.

For the audio component, the team installed the JBL VTX A8 and B18 high-performance speakers. Equipped with proprietary JBL woofers, custom-designed high-frequency transducers and advanced waveguide technology, the VTX A8 is a compact-yet-powerful line array capable of high, distortion-free output and consistently wide horizontal coverage of up to 110 degrees. When used in conjunction with the VTX B18 subwoofer, which applies the same features and technology as the A8 for reinforced low end, the combined system produces improved linearity, wider dynamic range and an impactful sound that reaches far-away audiences without overwhelming those close to the stage.

In addition to the VTX speakers, the rig also includes JBL VRX928LA two-way line array loudspeakers for the center and balcony fills. Featuring a Constant Curvature Array design and a Dual Angle pole socket, the JBL VRX928LA offers precise aiming and reliable coverage so that every audience member can experience optimal live sound. Finally, JBL VTX M20 monitor speakers offer the onstage performers the same high-quality sound and technology as the audience-facing rig.

"We needed a system that could simultaneously deliver a broad range of



genres including jazz, pop, rock and hip hop," said Kosuke Takahashi, Touring Division at Tokyo Sanko. "We are impressed with how HARMAN Professional Solutions was able to deliver on that request. We have received great compliments from top artists who performed at our venue."

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

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



## Historic Woolworth Theatre comes to life with EAW

Once a historic downtown Nashville building, the Woolworth Theatre brings a first-of-its-kind, Vegas-inspired experience to Music City. The unenviable task of designing a new sound system for the beautiful yet acoustically challenged venue was given to S&L Integrated Systems Account Executive, Nathan Tomberlin. When Tomberlin walked into the theatre for the first time, he immediately knew designing the sound for this room was not going to be straightforward. "From a sound design perspective, the room is very challenging," he says. "It has a very low and shallow balcony — from the stage to the back wall it's only about 40 feet deep. Rather than a traditional theater that's long and narrow, this is the complete opposite. We also had the presence of glass in the balcony, which we could not touch due to the building's historical status. We knew we were going to have to throw back the audio and needed a system that could keep all our anticipated reflection issues to a minimum. I immediately knew the solution would be the Anna ADAPTive system from Eastern Acoustic Works (EAW®)." The new EAW PA system installed at the theatre features six Anna boxes, with three speakers discreetly placed behind cutouts on each side of the stage. Also included in the new system were JF60Zs for front fills, four SBX218s for subs under the stage, MKD1064s for side fill, MKD1026s for the outer balcony with RSX12M floor monitors and UXA4410 DSP amplifiers driving the fronts and the out fills. The audio is run over Dante through a DiGiCo SD12 digital console.

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



## dLive C1500 powers death metal band Dying Fetus

Front of house engineer and Tour Manager Rhys Welchman was doing sound at some local venues in the Washington, DC and Baltimore area when he was approached by Trey Williams of death metal band Dying Fetus, who was in attendance at one of his shows. "The rest is history," recalled Welchman. "I've been working with the band since then. I grew up listening to Dying Fetus, so once the reality started to set in that I would be mixing them... it's still pretty crazy to think about." When working sound at various venues, Welchman gained experience on a wide range of mixing consoles - but opted for Allen & Heath's dLive C1500 as his touring console for Dying Fetus, based on a recommendation from his colleague Travis Wade, front of house engineer for Dance Gavin Dance. "Many tours of our size seem to be using a C1500," recounted Welchman. "Travis told us it's a really powerful console and it's cost effective as well. He also brought up that Allen & Heath is constantly updating their consoles with new features and they listen to user feedback." Welchman notes that being organized is key when mixing bigger shows on a compact surface like the dLive C1500. "I follow the same rules where Layer A is always show control, Layer B and C are input layers, and so on. It's important to be consistent so that you can find things quickly. The same with user-defined softkeys." Paired with the C1500 at front of house was a DM32 MixRack at the stage, which features 32 mic preamps and 16 line outputs, along with 128 channels of input processing and 64 flexible buses.

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





## Tubular Bells chimes in 50 years with EM Acoustics0



A celebration of Mike Oldfield's landmark debut album Tubular Bells, the Tubular Bells 50th-anniversary tour has recently finished up its UK concert circuit. A full EM Acoustics system, consisting of HALO and EMS series loudspeakers accompanied the tour and was deployed in a total of 32 venues over the course of two months. AV installation and rental company Show Works became involved in the project during the initial phases and specified a full EM Acoustics system consisting of HALO-B and HALO-C as well as EMS-129s and EMS-81s. Two DQ20 amplifiers were deployed to drive the main part of the system. . "For Tubular Bells, they required an extremely high-quality system that would do full justice to the music of Mike Oldfield," explains Oscar Thompson of Show Works.



"EM Acoustics kit delivers a purity of sound – what you put in is what you get out, so it was ideal for Tubular Bells. People love this album, and they want to hear it in an unadulterated form."

[emacoustics.co.uk](http://emacoustics.co.uk)  
Photos © Sam Ferstenberg

## Green-GO system connects film crew for Lithuanian 'Mokonomika'

Schoolchildren across Lithuania participated in the country's largest-ever remote learning lesson this spring, as the 2023 'Mokonomika' initiative streamed interactive educational sessions online and via the national TV station. The operation involved the creation of four separate programmes filmed and produced in a studio in the capital, Vilnius, with a crew using Green-GO products for clear and robust digital communication. Vilnius-based Video Projektai was challenged with producing the video aspects, as inspiring teachers gave lessons on the future of artificial intelligence, finance, and sustainability. "For the event we had four operators to control streams, a camera director, a virtual stage operator, a camera technician, system engineers, an online connections technician, director, director assistant and technical director," explains Julius Norusis from Video Projektai. "We chose a Green-GO system to connect the crew because of the system functionality, quality and price. The idea was to have system which could be easily split to two different locations without the need for a master station, and the possibility to connect with other signal types, such as Dante, analogue audio, and two-wire intercom. "We are really impressed with the audio quality and the possibility to use just normal POE switches without any main station." The Green-GO equipment was supplied to Video Projektai by Green-GO's Lithuanian distributor, MidiAudio.

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



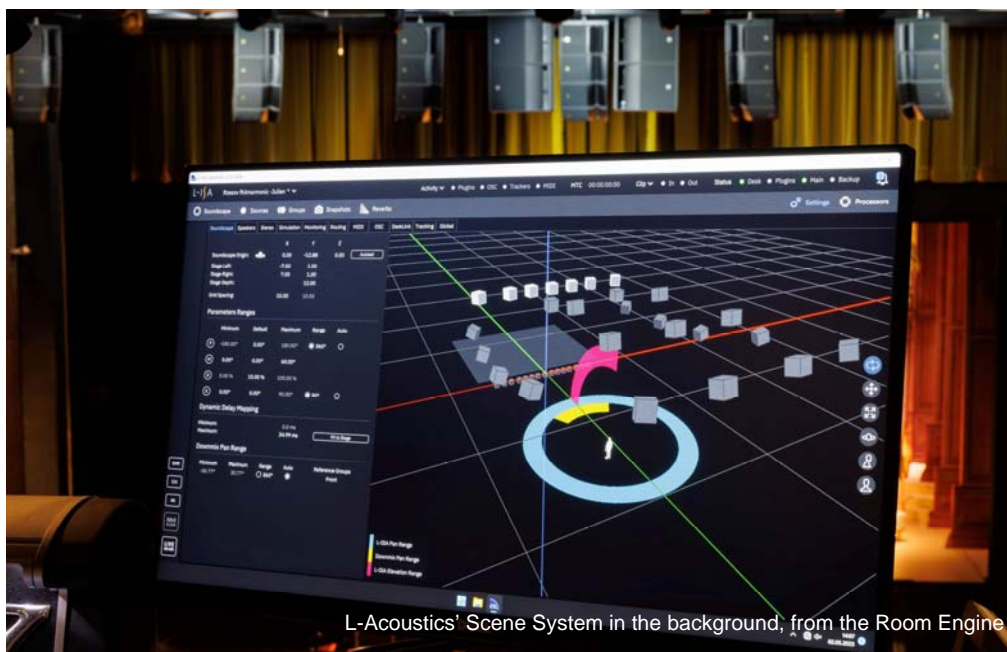
## L-Acoustics Ambiance Acoustic System at JK Tyl Theatre in Pilsen presents breakthrough in cutting-edge acoustic technology



Close up of the L-Acoustics Scene System hangs

The Czech Republic's fourth largest city, Pilsen is a bustling region renowned for its Pilsner Urquell Brewery and for being the birthplace of the Škoda automobile company. The JK Tyl Theatre (Josef Kajetán Tyl Theatre), the city's largest professional theatre is divided into two primary buildings - the Great Theatre and the New Theatre which holds up to 460 spectators.

To meet the demand of the varied performances that it hosts, theatre management sought an equally flexible audio system for the New Theatre, finally choosing to install the first permanent L-Acoustics Ambiance Acoustic System in Europe. L-Acoustics Czech distributor, ProMusic, was selected to provide a versatile acoustic toolkit to elevate the sonic experience for the audience. To address this, The New Theatre's Technical Manager, Igor Staškovič and the venue team partnered with Daniel Krčmář of ProMusic to enhance the theatre's acoustics using the L-Acoustics Ambiance Acoustic System. With Ambiance, the team can now increase the reverberation time from 0.95s up to 2.0s with the simple press of a button on the L-ISA Controller. This allows them to activate the appropriate



L-Acoustics' Scene System in the background, from the Room Engine

Ambiance pre-tuned configuration for orchestral music, opera or theatre production, delivering the ideal room sensation for each scenario. Implementing the system ensures greater intelligibility and stunning, natural sound for unamplified concerts, enhancing the overall experience for both the performers and the audience. The L-ISA system consists of 71 loudspeakers in total. In the main audience area of the theatre, the flown L-ISA Scene system comprises five arrays of two A10i Focus and two A10i Wide each, with two further extension arrays of A10i (Wide and Focus) flanking the stage. Spatial front-fill is provided by

5XT across the stage lip while 19 X8 are dotted around the theatre for surrounds and overheads. KS21i subs provide low-end extension. For the Ambiance Acoustic system, the setup includes 12 omni and cardioid microphones; eight omni microphones placed at front of house, above the audience, and four cardioid microphones above the performers. LA4X and LA2Xi amplifiers drive the whole system. The result is perfect coverage, excellent intelligibility, and sufficient power reserve for any type of performance.

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



## All Tech Sound equip the The Stadium Theatre with HARMAN Professional Solutions

To update the historic Stadium Theatre for modern live shows while still paying respect to its Vaudeville-era design, All Tech Sound designed and installed a versatile range of HARMAN Professional audio solutions. For the audio component, the venue required an agile system that not only provided the dynamic range and coverage suitable for a wide variety of performances, but also looked discreet and didn't impede on the venue's historical aesthetics. To meet these requirements, the Stadium Theatre Foundation worked with Jeff Hansen of All Tech Sound to select and implement JBL Professional VTX Series speakers and Crown I-Tech Series amplifiers. "As we started booking bigger and better shows and national touring acts, we realized that it was time to bring in a permanent line array system. We worked with All Tech Sound in the past to bring in a JBL VerTec system, but that involved volunteers every Friday ground stacking massive cabinets that weighed 130 pounds over and over again. When the opportunity came to try out the A8s in our venue, Jeff coordinated with sales guys and got us a rig for a weekend. We needed to have the rig fit in the very tight space on each side of the proscenium. and the A8s worked perfectly for that," said Dennis Tancrell, Technical Director, Stadium Theatre Foundation. Along with the VTX A8, Hansen and the installation team equipped the theater with JBL VTX B18 and B28 subwoofers for reinforced, distortion-free low end. Finally, JBL AC16 ultra compact loudspeakers deliver dedicated front fill coverage, while the JBL VTX M20 provides performers with high-fidelity stage monitors. For amplification, Hansen and the team choose the Crown HD Series, having used the I-Tech 4x3500 in particular for many years.

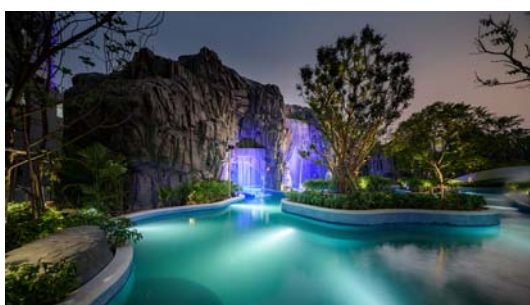
[pro.harman.com](http://pro.harman.com)



## Mahajak Development installs HARMAN Professional Solutions at Grande Centre Point Space Pattaya

Mahajak Development Co., Ltd. collaborated with HARMAN Professional Solutions to outfit Grande Centre Point Space Pattaya with comprehensive audio and lighting solutions including JBL Control 18C/T, Control 14C/T and Control 19CS ceiling speakers to provide balanced and even coverage throughout the modular meeting spaces. The team also included Soundcraft Si Impact digital audio consoles, JBL BRX308-LA line array speakers and BRX325SP subwoofers to be used as the main PA and mixing system for events requiring concert-style presentations. "Grande Centre Point Space Pattaya is a show-stopping establishment that we are proud to be associated with," said Amar Subash, VP & GM, HARMAN Professional Solutions of APAC. "Its distinctive features and unique facilities set new benchmarks for the hospitality industry, and is aligned with our mission to create high-level experiences and inspire excellence through our innovative products."

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

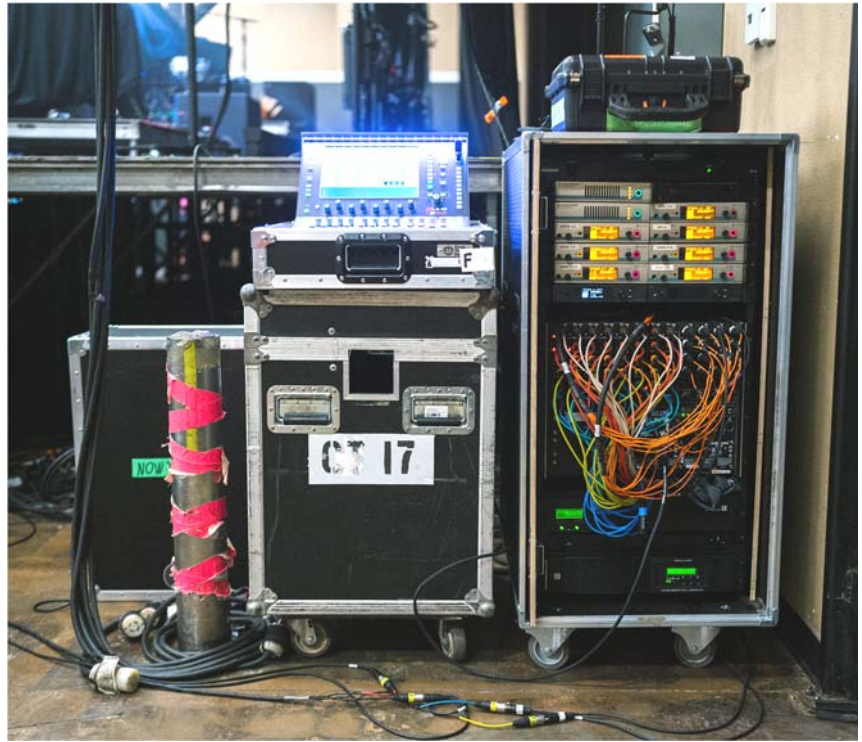




## UnderOath tours with dual dLive C1500 rig

American heavy rock band UnderOath went on a headliner tour across the United States, along with supporting acts Periphery and Loathe. Since 2019, the band has been mixed by engineer JJ Revell, who also acts as the group's Production Manager. Revell mixes UnderOath on a compact Allen & Heath dLive C1500 control surface, along with a small format DM0 MixRack to handle the 128 channels of processing and a GX4816 stagebox. The DM0 connects via Allen & Heath's proprietary multichannel gigaACE protocol to a separate DM48 MixRack near the stage, which allows for a simple digital split with a second C1500 surface handling monitor mixes. "I love the dLive series," noted Revell, who downsized from a larger S5000 surface used on the band's last tour. "I like how modular it is and the ability to use any size control surface with any MixRack. It's just so easy." The smaller C1500, which fits into a standard 19" rackmount case, comes in handy when UnderOath books fly dates in other continents. "We've done Australia, Europe, and soon South America - it's great that I can bring my console on the plane with me and have that consistency wherever we go."

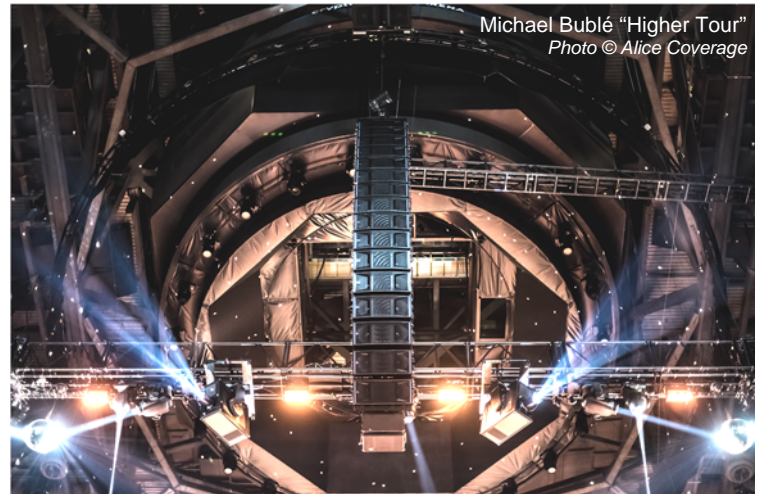
[allen-heath.com](http://allen-heath.com)



## Meyer Sound PANTHER paying "Green Dividends" on global concert tours

With its compact size, high power-to-weight ratio, and exceptional energy efficiency, Meyer Sound's PANTHER™ large-format linear line array loudspeaker is reaping savings in both operating expenses and greenhouse gas (GHG) emissions in its first year of global touring. Two notable examples are Ed Sheeran's "+ - = ÷ x" ("Mathematics") Tour and Michael Bublé's "Higher Tour." The massive in-the-round system for Ed Sheeran's tour, supplied by Major Tom, Ltd. and configured for large stadiums and festival grounds, is anchored by 212 PANTHER line array loudspeakers. "Compared to our prior tour's loudspeakers, we have reduced what would have been five trucks down to three," says Chris Marsh, production director, and FOH engineer for the tour. "That's significant as I estimate we covered 7,000 miles around Europe, another 2,800 in Australia, and we have yet to start in North America." "When gathering input on the next generation of products, many of our customers mentioned that green issues were becoming more relevant," says Meyer Sound Senior Product Manager Andy Davies. "These requests aligned with new research on the environmental impact of live productions. Also, going green is also good for business. Reducing power use, trucking costs, and raw materials all align with moving towards a greener economy, more efficient manufacturing, and better business solutions for our customers." Meyer Sound's commitment to the environment extends beyond product design to encompass all phases of the business, with careful attention to energy efficiency, water conservation, and materials recycling throughout the manufacturing process. The Berkeley-based company has been recognized as a Green Business by the California Green Business Network since 2016.

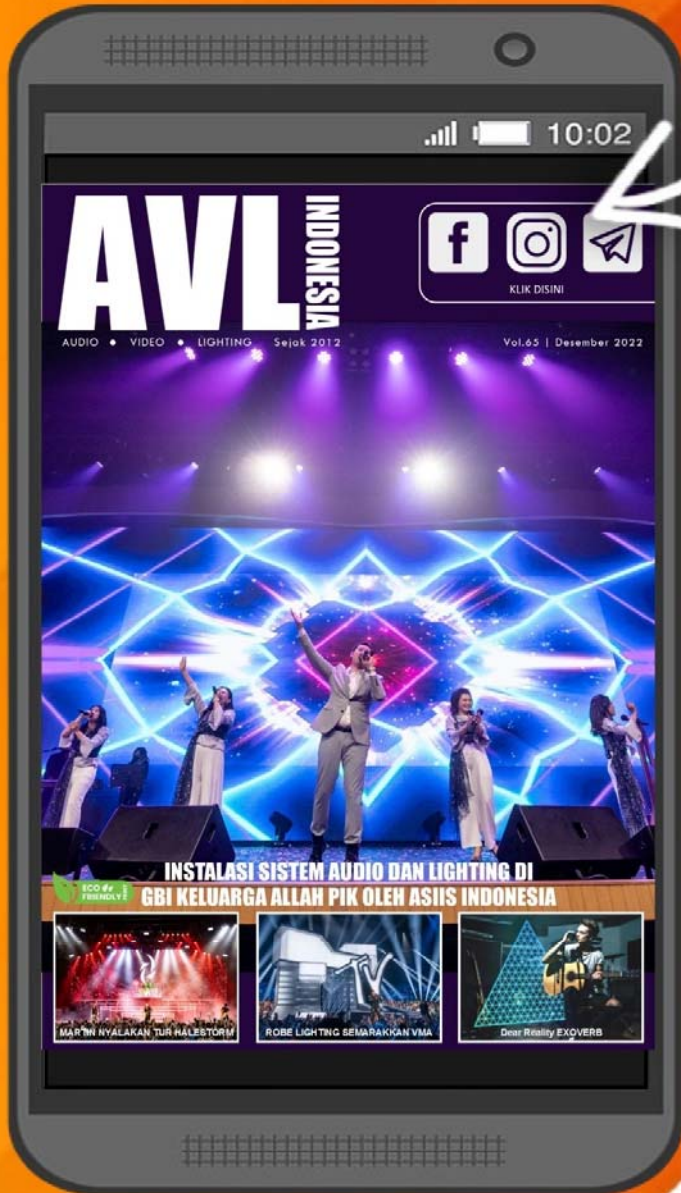
[meyersound.com](http://meyersound.com)



Michael Bublé "Higher Tour"  
Photo © Alice Coverage



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# Electro-Voice EVERSE 8

Weatherized battery-powered loudspeaker with Bluetooth® audio and control

PROAUDIO MAGAZINE

EDITOR'S CHOICE

- Designed to deliver a step up in sound quality for the battery-powered portable PA segment, with high SPL and full-bandwidth coverage
- Compact, lightweight and weatherized design coupled with extended battery life – longer run time for gigs and events, indoors or outdoors
- Flexible all-in-one feature set, including QuickSmart Mobile app and Bluetooth® for best-in-class control and streaming, an onboard mixer and studio-quality effects – a user-friendly and versatile choice for musicians, DJs, fitness/activity instructors, events/gatherings and more



The first battery-powered loudspeaker from Electro-Voice and the first weatherized model of its type, EVERSE 8 takes advantage of decades of Electro-Voice engineering expertise – along with the latest advancements in technology – to provide a truly portable and truly wireless audio experience at a price and performance level unmatched by current comparable products on the market.

Whether used for live music, vocal reinforcement and/or audio playback, musicians, DJs, production/rental companies, fitness/activity instructors and other professional, amateur and recreational users can all benefit from EVERSE 8's superior sound quality, user-friendliness and all-in-one PA system design – a concept that opens up real pro-audio performance for a wider range of users than ever before. EVERSE 8 comes in a black or white finish, adding an aesthetic angle to its versatility.

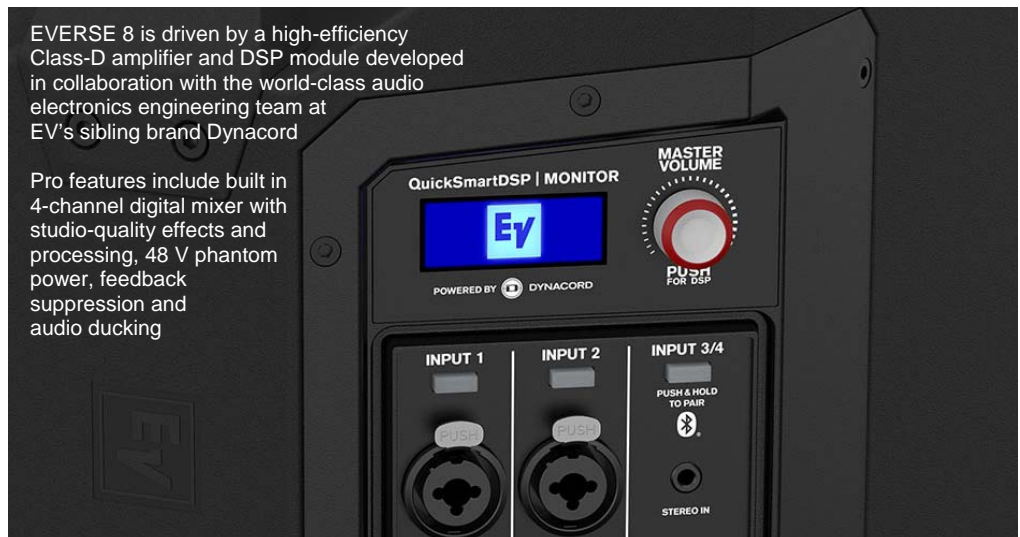
[www.electrovoice.com](http://www.electrovoice.com)  
[www.dynacord.com](http://www.dynacord.com)

The integrated 12 V DC port provides convenient power from the EVERSE 8 battery, perfect for powering a wireless microphone system such as Electro-Voice RE3 or R300 (see user manual for details). Attach the optional accessory tray to the top of an EVERSE 8 to secure receiver hardware in place. A charging port is included for mobile devices if a top-up is needed when streaming. Place on a tripod for a longer throw, set long-side down as a stage wedge using the 55° monitor angle, or use upright with the 30° kick-back angle to project up off the performance area. For stereo setups, EVERSE 8 is equipped for Bluetooth® true wireless stereo Streaming



EVERSE 8 is driven by a high-efficiency Class-D amplifier and DSP module developed in collaboration with the world-class audio electronics engineering team at EV's sibling brand Dynacord

Pro features include built in 4-channel digital mixer with studio-quality effects and processing, 48 V phantom power, feedback suppression and audio ducking





## JBL Slim Column Loudspeakers COL600 / COL800

HARMAN Professional Solutions, the global leader in audio, video, lighting and control, announces the launch of two new JBL Slim Column Loudspeakers, COL600 (24-inch 600 mm) and COL800 (32-inch 800 mm), that are ideal for a variety of applications, including conference and meeting rooms, lecture halls, retail stores, concourses, transit spaces, fill applications and more. Featuring wide horizontal and narrow vertical coverage with a built-in 10° down-tilt to the aim, both COL Series models deliver optimum coverage for most listening areas while allowing the speaker to be installed flat to the wall. Racetrack woofers provide maximum radiating area in a column form factor. Multi-tap transformers allow for use on either 70V or 100V distributed speaker lines, while the speaker is switchable for direct 8-ohm operation. Available in black or white, versatile installation is accommodated by two included L-brackets, which can be installed on either the top or bottom panels. These speakers can be installed indoors or outdoors and feature an IP54 rating (per IEC60529) for protection against ingress of dust or water. The drivers are water-treated, the grille has a water-backing, and a cover is included to protect the input terminals.

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



## AMX SVSI N4321D Audio Transceivers with Dante and AES67

HARMAN Professional Solutions, the global leader in audio, video, lighting and control, today announced its new AMX SVSI N4321D Audio Transceivers with Dante and AES67. These Transceivers are ideal for corporate applications, colleges and universities, casinos, convention and entertainment centers, or anyone needing robust Dante, AES67, or PCM networked audio over IP and analog transcoding at an affordable price point. The N4321D connects independent IP and analog audio networks and supports balanced and unbalanced analog audio. Whether the project requires converting from PCM to Dante, Dante to analog, analog to AES67, or nearly any other combination of these technologies, these transceivers drastically simplify networked audio integration. Perfect for point-to-point or point-to-multi-point audio delivery, the N4321D provides audio matrix switching and distribution using the same control options as SVSI's Networked AV video switching and distribution solution. Additionally, an open API makes it compatible with any AMX or third-party controller on the market. With two auto-sensing gigabit Ethernet ports, units can also be used to bridge low-latency multi-channel audio between separate networks. One Ethernet port is PoE for use with a PoE switch, eliminating the need for an external power supply.

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



## Clear-Com HXII-DPL Powerline Device

Clear-Com® is proud to announce the new HXII-DPL™ Powerline Device, an IP interface that delivers power and digital audio to HelixNet® beltacks, speaker and remote stations from an Arcadia® Central Station System (or the legacy HMS-4X Main Station). Arcadia-based systems open a world of digital audio connectivity for HelixNet users, including IP transceivers, third-party devices via Dante, and support for the full range of FreeSpeak® Digital Wireless Systems. The HXII-DPL Powerline Device is designed as a simple “plug-and-play” interface, connecting to any existing Arcadia system or XLR cabling infrastructure via its own network port to provide Powerline connectivity via 3-pin XLR anywhere on the network. Multiple HXII-DPL Powerline Devices can be added to increase HelixNet User Station capacity and allow for greater user density per system. With support for up to seven HelixNet beltacks on a single line containing all available HelixNet channels and program audio, the Powerline device can use passively split audio cabling similar to traditional analog partyline systems without any undesirable humming or buzzing of analog communication. Furthermore, the system features visual indicators to resolve any up-and-downstream cabling and overload issues.

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

See a live demo at  
InfoComm 2023!

### HXII-DPL Powerline

A compact device that enables IP digital connection of HelixNet beltacks, speaker and base stations to Arcadia Central Station over 3-pin XLR cabling.

SHIPPING FALL 2023

**Clear-Com**  
AN HME COMPANY

## DAS ALTEA DUO 10A and 20A Systems

Perfect for celebrations, conferences, live music or corporate events, these sound systems are engineered for swift installation, intuitive tuning and hassle-free portability, while delivering the same unparalleled professional performance that has become synonymous with our brand. The ALTEA Series of portable sound solutions has been designed and built to offer musicians, DJs and performers great sounding systems that combines the latest in pro-audio engineering with great looks and an extraordinary set of user-friendly features. Altea-DUO 10 and 20 are systems with high quality finishes in column format consisting of a subwoofer plus three removable parts, injected in ABS plastic.

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





## AVANTE Audio IMP205

Perfectly portable, the new AS8 ACDC is a self-contained active column PA system which features Bluetooth 5.0+® connectivity, an onboard mixer and internal rechargeable Lithium-Ion battery. The system consists of an active sub enclosure, loaded with an 8-inch neodymium subwoofer, which has a 3-channel mixer built into its top panel. The sub also features a SAM (Secure Array Mount) socket which allows the two speaker columns to lock securely to the sub and to one another without risk of being toppled over. One column is loaded with six precision-aligned 2.75" neodymium drivers while the other serves as a spacer to lift the speaker column up to optimal height. The audio signal for the speaker column is passed through the spacer, eliminating the need for a speaker cable and ensuring a neat and tidy setup. An efficient 250W RMS (1000W peak) Class D 2-way amplifier with switching power design is built into the sub, which delivers a maximum output SPL of 116dB. The mixer features two channels with combination XLR/jack inputs, which are switchable between mic and line level, alongside a flexible third channel. This offers a choice between a single mono or stereo pair of ¼" jack inputs, a 1/8" stereo jack input, or wireless connection via Bluetooth. Each channel has a dedicated level control and there are also individual level controls for low and high frequencies. Bluetooth can also be used to wirelessly link two AS8 ACDC systems to create a stereo pair. The internal battery allows for between four and five hours of standalone operation, with useful LEDs located on the rear panel to provide a visual indication of the battery's charge status.

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



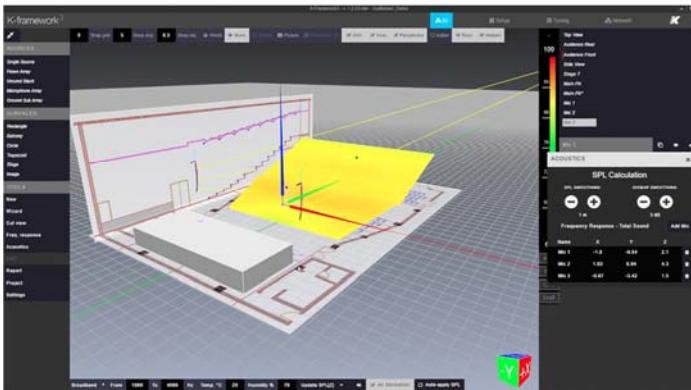
## DPA DLS4000 Location Sound Microphone Kit



DPA Microphones has launched a new professional sound microphone kit. The new kit provides audio engineers with the ultimate selection of high-quality condenser mics for a range of purposes. The DLS4000 Location Sound Microphone Kit features all the standard TV/film production solutions, along with cables, holders, concealers, adapters, clips and more. From shotguns for booming to micro-shotguns for discreet plant-miking and a range of lavaliers for close-miking, each microphone included in the kit has been specifically chosen based on input from professional sound engineers, to prepare users for whatever task is thrown their way.

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

## K-array launch software suite



To provide users with convenient access to system design tools and controls, K-array has developed a suite of design and configuration software to interact with their products. Firstly, K-FRAMEWORK is an offline software designed for 3D simulation and amplifier configuration. This application enables advanced users to simulate room coverage and then configure the amplifiers associated with the desired loudspeakers. To further simplify the installation process and streamline network management for users, K-array also offers the K-CONNECT mobile app. Available for iOS and Android devices, K-CONNECT streamlines the access procedure by allowing users to connect to any K-array amplifier hotspot with a simple scan of the QR code. The app offers seamless browsing and modification of settings with a simplified user interface. On-site, more experienced practitioners can use the new K-array web app, offering a comprehensive general configuration of systems. For technical assistance during commissioning and for ongoing monitoring, K-array introduces K-MONITOR. This software offers efficient discovery tools.

[k-array.com](http://k-array.com)

## Virscient announce the release of LiveOnAir

Virscient, the wireless connectivity and audio specialists, have announced the release of LiveOnAir – a highly innovative technology that enables ultra-low-latency audio over low power wireless links. LiveOnAir changes the game for key applications in live performance (for example in digital wireless microphones and in-ear monitors), gaming, and other innovative audio scenarios. These use cases fundamentally require low latency to ensure an optimum experience, and existing technologies do not meet this need. Additional latency in live performance scenarios can result in a disconnect between performer and performance, with mixed/monitored audio poorly synchronised with real-time events. Similarly, in gaming applications, latency and audio quality are critical to the competitive advantage – undue delays can limit the ability of the gamer to react to their environment. LiveOnAir delivers high-quality audio over long- or short-range wireless links with a latency of less than 5 milliseconds from analogue-to-analogue. The system can support a range of topologies, codecs, and RF options that allow to optimise for the specific requirements of any given use case. For low-power digital microphone applications, Virscient offers a complete hardware/software reference design based on Nordic Semiconductor's nRF5340 dual-core Bluetooth Low Energy SoC. Virscient's LiveOnAir solution for nRF5340 allows OEMs to rapidly deliver high performance wireless audio solutions supporting ultra-low-latency transport of 24-bit / 48 kHz audio with a compact and simple hardware BoM. LiveOnAir evaluation kits are available today with a range of codec and RF options including Bluetooth, Ultra-Wideband (UWB), and other protocols.

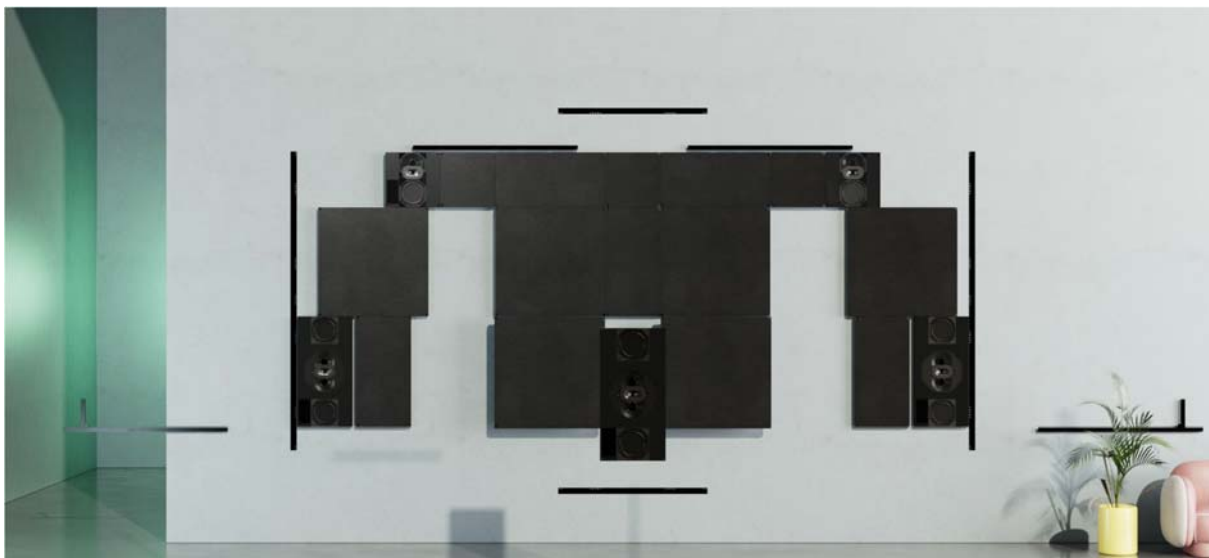
[virscient.com](http://virscient.com)





## SPACE by CODA

SPACE by CODA integrates high-end, immersive 3D audio, a 4K projector screen, ambient lighting and advanced acoustical treatment with the art or projection of your choice into a united system solution to transform spaces with audio. The result is the SPACE Panel. At just 70mm (2 3/4 inches) deep, SPACE Panels can offer sound quality and



performance surpassing that of conventionally designed (cabinet) loudspeakers. This driver-equipped canvas can transform spaces to feature invisible audio, enabling high quality, full-range sound in previously limitative environments. The entire sonic spectrum is covered with power and quality; unique 'instafit' magnetic waveguides native to the SPACE audio modules facilitate production of directable sound with capability for immersive audio - all from within the panel. The driving force behind SPACE by CODA are the three ultra-flat immersive loudspeaker modules M1, M2 and M4 which allow each screen to be built in 600mm increments. M1 – 600 x 600 x 70mm - up to 10m (33 ft) distance; M2 – 1200 x 600 x 70mm – 2 x size, 2 x SPL (+6dB) - up to 18m (59 ft) distance; M4 – 1200 x 1200 x 70mm - 4 x size, 4 x SPL (+12dB) - up to 25m (82 ft) distance  
[space.codaaudio.com](http://space.codaaudio.com)

## DPA DLK4000 Live Microphone Kit



Offering an ideal microphone and accessory selection for touring sound engineers, the DLK4000 Live Microphone Kit features 20 mics and capsules, along with a multitude of useful accessories that will enhance sound quality, clarity and consistency. Included in the kit are mics for lead and backup vocals as well as instrument mics for close-miking any live instrument. To further equip the entire live stage, the kit's lineup features various pencil mics, which are ideal for spot-miking instrument groups or capturing ambient sounds. Accessories such as extension cables, mic clips, mounts and wind screens ensure easy set-up and breakdown no matter the instrument.  
[dpamicrophones.com](http://dpamicrophones.com)

## AMX new line of CE Series Universal Control Extenders expanding control to third-party devices

HARMAN Professional Solutions, the global leader in audio, video, lighting and control, has introduced the CE Series, a new family of professional-grade Universal Control Extenders. The new line delivers AMX-quality hardware control to any system that supports IP connectivity, making these units ideal for corporate spaces, colleges and universities, and government facilities. AMX debuted four models, including CE-IO4 with 4 I/O Ports, CE-IRS4 with 4 IR/S Ports, CE-REL8 with 8 Relays, and CE-COM2 with 2 Serial Ports. An open control API makes it simple to integrate CE Extenders with any IP control systems or apps and the integrated web interface enables configuration without specialized applications. HARMAN's HControl protocol enables auto-discovery by next generation AMX control processors and other HARMAN Professional products. PoE power and a compact footprint simplify installation and concealment.

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



## AMX MUSE

HARMAN Professional Solutions, the global leader in audio, video, lighting and control, today announced that at InfoComm Orlando it will preview AMX MUSE, a next-generation automation platform capable of simultaneously processing multiple scripting languages, supporting no-code and low-code capabilities and simplifying routine development tasks, opening up the possibilities for technicians and IT managers of all skillsets to deliver advanced automation in a modern

market. Powerful and secure, AMX MUSE will also enable users to work in standard IDEs with the ability to mass deploy across forthcoming purpose-built controllers and MUSE-embedded HARMAN devices. AMX MUSE natively supports HARMAN's new HControl protocol (open-API), HiQnet (legacy HARMAN Audio devices) and ICSP (legacy AMX control devices), making this the best automation processor for any room, any environment - old or new.

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





## AVANTE Audio Imperio Pro IMP205

Intended for easy transportation and very fast setup, the Imperio Pro IMP205 is a lightweight, high output active line array element that can be utilized in a variety of different configurations – both ground-stacked and flown – to cover a wide range of applications and audience sizes. Combining high quality neodymium components with Class-D digital amplifier modules and advanced 32-bit internal signal processing, it delivers unrivalled audio fidelity and deployment flexibility for a speaker of its size.

Measuring just 12.8" x 7.3" x 8.8" (324mm x 184.8mm x 224mm), this compact array module packs in a pair of 5" neodymium low-mid transducers alongside six 1.75" IDVAT (Inverted Dome Vertical Array Technology) high frequency drivers. This configuration allows the unit to deliver a broad frequency response of 100Hz – 20KHz with a wide horizontal dispersion angle of 100°. The unit's internal Class D 2-way amplifier has a PFC switching power supply and is rated at 440W RMS (1700W peak), which allows it to deliver an impressive maximum output of 128dB (single box measured on Axis @ 1m).

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



## AVANTE Audio Imperio Pro IMP118

Designed specifically for use alongside IMP205s, the brand-new Imperio Pro IMP118 active sub bass speaker features a high power 18" driver with a 4" voice coil driven by a 2400W RMS Class-D amplifier. Offering inbuilt DSP for customizable crossover frequencies and selectable coverage patterns (omni, cardioid or end fire), this attractive new sub offers powerful and punchy low frequency reproduction from an easily portable cabinet. Constructed from 10-ply 15mm birch with a black polyurea finish and powder coated steel grille, the road ready cabinet is fitted with a pair of recessed handles, interlocking skid feet, rubber rear feet and convenient in-built EZ-Stacking hardware to allow multiple cabinets to be securely locked together when positioned on top of one another.

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



## L-Acoustics L-ISA 3.0

L-Acoustics announces the launch of L-ISA 3.0, a comprehensive, best-in-class immersive audio software platform for the live sound and music creation markets. Serving the live immersive audio community since 2016 with the L-ISA platform and the immersive music-creating and mixing communities since 2021 with L-ISA Studio, L-Acoustics makes investing in spatial technology even easier with powerful new features in its upgraded L-ISA 3.0. As audio professionals seek to leverage spatial audio technologies in live, professional, and consumer audio, L-ISA 3.0 mixing software makes immersive audio more accessible, delivering powerful tools that make it easier to create and automate compelling spatial audio content, live or in the studio. In addition to the various new functionalities in L-ISA 3.0, the L-ISA Studio desktop processor has gone from 12 outputs to 16, giving on-the-go sound designers more options for their immersive sound content.

[l-acoustics.com/products/l-isa-studio](https://l-acoustics.com/products/l-isa-studio)



## DPA DDK4000 Drum Miking Kit



Previously introduced at NAMM 2023, the DDK4000 Drum Miking Kit is designed to deliver a clear and natural reproduction of the low-frequency, high SPL instrument. With consideration for durability at the forefront of this solution, the microphones have also been rigorously tested to perform flawlessly for all types of music genres and instrument types, and to withstand the demands of life on the road.

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



## Powersoft UNICA



The graphic features a blue background. On the left, there is a white 'U' logo above the word 'UNICA'. On the right, the 'Powersoft' logo is written in a white, stylized script. In the center, a stack of four black UNICA amplifier units is shown. To the right of the stack, the text 'UNICA. UNLOCK THE POWER OF CONSISTENCY.' is written in large, bold, white capital letters.

Powersoft is set to make waves in the APAC market with the launch of its third-generation fixed-install amplifier platform, UNICA. UNICA, a single new-generation amplifier platform, is versatile to cover a wide range of applications, while delivering the highest level of audio quality, reliability, and efficiency. The amplifier platform leverages next-generation cloud-based technology to provide a safe, consistent user experience for any size of install. UNICA is available in four-channel and eight-channel versions, and is a future proof amplifier platform that offers simple integration and configuration and low maintenance costs in one easily upgradable package.

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

## EAW has new accessories for its AC6 ADAPTive Column Loudspeaker



Eastern Acoustic Works (EAW®) has introduced a variety of new accessories to support its AC6 2-Way Full Range ADAPTive Column Loudspeaker, including a pole mount, stacking plate and stinger offerings. Ideal for production companies and partners, EAW's newest AC6 accessories increase loudspeaker portability, allowing for ease of travel and the expansion of its mounting options. All three AC6 accessory options create an enhanced user experience for production companies. Pole mounting and stinger accessories ease mobility of the loudspeaker, enabling users to take AC6 anywhere on the road for demo tours, live events and more. Additionally, with a stacking plate, two AC6 loudspeakers can now be combined, allowing for the movement of multiple speakers as a single unit. The newest addition to the ADAPTive line, AC6 includes the same cutting-edge features as its predecessors. Managed via EAW's Resolution™ 2 software, AC6 can compensate for coverage and directivity with its ADAPTive Performance™ technology, producing three-dimensional coverage that makes it perfect for the most acoustically challenged room or venue. Additionally, utilizing six low frequency transducers and 30 high frequency transducers allows AC6 to produce studio quality audio from 20kHz, all the way down to 65Hz, at any volume.

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



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Voice-Acoustics loudspeakers for Hyundai Elevator

INEXO 6000 at the iconic St. Petersburg, The Borgis Stadium

5th gen of Sennheiser's wireless microphone systems for camera

Greenplatttheater Refers to Sennheiser Digital 6000

KV2 Enhances SL Series With SLG 10 Subwoofer

Neumann VTX42, XAK & B28 System Powers Theatrical Production

Bosch Security Systems Partners With Video 123

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Neumann Open-Back NDH 30 Headphone

NEXO Delivers Versatility At Tokyo Garden Theatre

L-Acoustics Host Technical Bootcamp In Bangkok

NEUMANN M 49 V The Return of an Icon

Summerfest Returns With Sound by JBL Professional

Robert Adrian Tan Joins KV2 Audio

NEXO's New XBS2 and eLS18

JBL VTX42, XAK & B28 System Powers Theatrical Production

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beyerdynamic SPACE

Dear Reality Stereo Production Bundle

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Electro-Voice and Dynacord Level-up For Level 42

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

Neumann Monitors For Immersive Audio At Malaysian Sci-Fi Studio

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