

ASIA PACIFIC EDITION No.148 / OCTOBER 2023

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ROE Visual For KBS XR Studio

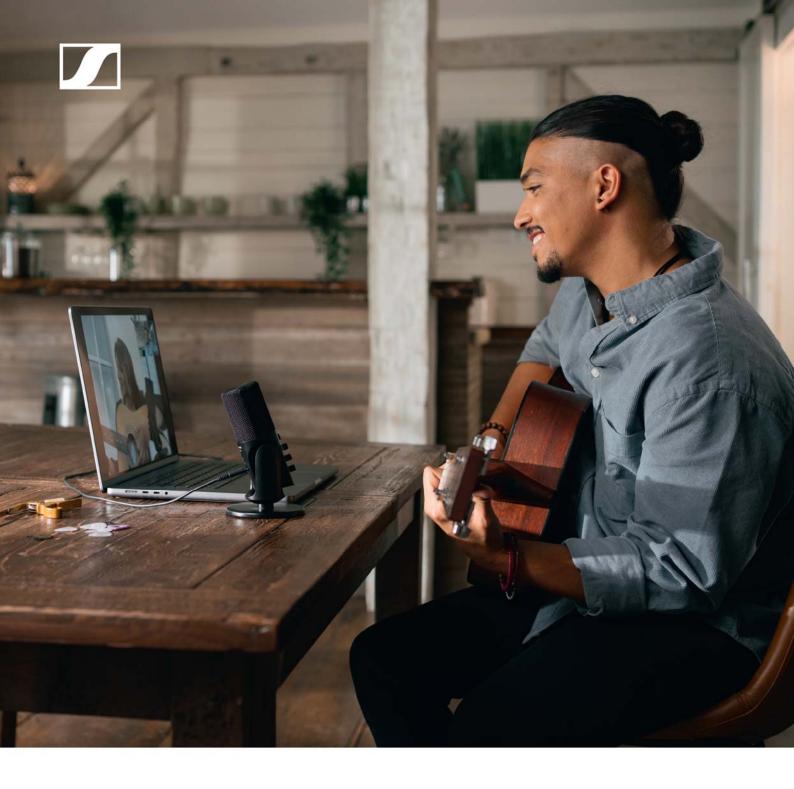
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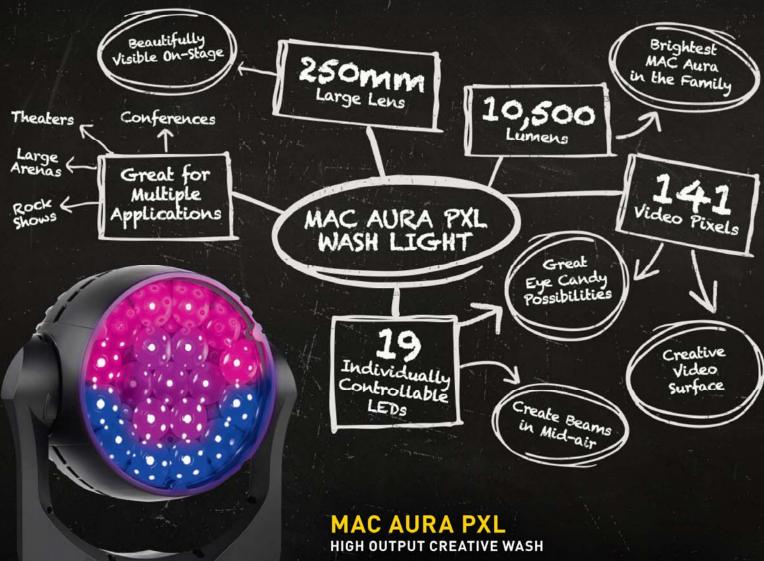
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The combination of a rugged polypropylene enclosure and an included weatherized input cover allow EVERSE 8 to meet the IP43 rating (water resistant for splashes and light rain) for use while on battery power and when Bluetooth[®] streaming. Built-in 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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ROE Visual selected for KBS's first XR Studio

In April, KBS (the Korean Broadcasting System), the national broadcaster of South Korea, has successfully launched its next-generation XR Studio. KBS's trusted partner, Ark Ventures, chose ROE Visual and Brompton Technology to cater for KBS's high standards.

KBS has been a reliable and trendsetting public media since its establishment in 1927. Seeing the growing XR impact in the global broadcasting industry, KBS decided to create its own and pioneer the way in South Korea. Therefore, found Ark Ventures, Korea's leading XR and Virtual Production consultant, as their trusted partner.

"When selecting the products for the LED wall at KBS studio," says David Oh, General Manager at Ark Ventures, "we sought an optimal combination of performance and reputation. ROE Visual's BP2V2 was our best choice, offering a high refresh rate, low scan rate, and exceptional stability. Meanwhile, Brompton's LED processing is widely considered to be the industry gold standard, so it made sense to pair the best with the best."

Measuring 10 by 4.5 meters, 180pcs of BP2V2 are used to build this LED wall. The worldwide application of BP2V2 upholds its unique position in the content production market as the ideal display solution. Regarded as the gold standard LED display of in-camera performance, the BP2V2 panel has undoubtedly become the top choice for projects in this national broadcaster's studio, presenting immersive digital environments with unparalleled color vibrancy and lighting accuracy.



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With the completion of the installation, KBS unveiled MONSTOP.TRIP in July, a Kpop program made in this XR studio. The show revolves around the travel plans of the two hosts in different destinations, which reveals the charm of XR stage, bringing viewers and broadcasters in the local scenery or real -time graphics to enhance the storytelling and the visual effects.

"The synergy achieved through the dynamic partnership between Ark Ventures Korea, ROE Visual LED, and Brompton Technology has given rise to an exceptional xR stage at the KBS. This collaboration exemplifies Brompton's innovation, pushing the boundaries of visual excellence and technological prowess. The new xR stage promises to redefine broadcasting possibilities, captivating audiences with immersive experiences." states Elijah Ebo, Director of APAC Operations for Brompton Technology.

"We are grateful to have Ark Venture's support and participate in KBS's project. With the first XR studio set up, we





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witness KBS's innovation and leadership in South Korea's broadcasting industry. We look forward to many more amazing shows that will come out from here and captivate the audiences worldwide." says Grace Guo, Sales Director for ROE Visual.

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www.bromptontech.com www.arkventures.co.kr



Mahajak and Atkrist equips The Standard, Bangkok Mahanakhon with JBL Professional

To provide the The Standard, Bangkok Mahanakhon hotel with an audio system fit for a luxury guest experience, Mahajak Co., Ltd and Atkrist Co., Ltd. collaborated with HARMAN Professional Solutions to select and install a range of audio and control solutions.

Nestled in the iconic King Power Mahanakhon skyscraper in Bangkok, The Standard's flagship hotel officially opened on December 14, 2022 and recently clinched the AHEAD Award for best "Hotel New Build" in Asia. With rooms ranging from 40 square meters to a sprawling 144 square-meter penthouse, the hotel features a terrace pool, fitness center, meeting rooms, and a dynamic variety of premier restaurants, bars and nightlife venues. To complete the immersive hospitality experience for guests and visitors, the Standard required a robust background music system for its public areas,

restaurants, terraces and meeting rooms. To meet this request Mahajak Co., Ltd and Atkrist Co., Ltd. deployed a range of solutions from JBL Professional, Crown and BSS. Given the variety of rooms found throughout the hotel, the installation team broke up each floor into multiple zones to assess the unique audio requirements of each space and



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identify the right equipment to install. For the lobby, reception and restaurant areas, the team deployed JBL Control 14C/T, 16C/T and 328CT coaxial ceiling speakers. Designed for both immersive background music and crystal-clear speech reproduction, the Control Series

provides excellent sound quality and 120-degree coverage in compact and versatile designs that fit a wide range of decor and aesthetics. Additionally, JBL Control 28-1 speakers offer additional coverage and weatherproof durability for the second-floor restaurant.

To enhance the ambience for the Standard's many outdoor terraces, the installation team selected the weatherresistant and compact JBL AWC82 coaxial speakers for their exceptional clarity and reliable IP56 rating.

For outdoor areas where ceiling or wall mounting wasn't an option, including the hotel terraces and pool bar, Mahajak installed JBL Control 85M mushroom-style landscape speakers to provide full dynamic range and 360degree coverage while also blending seamlessly into the surroundings.

On the backend, HARMAN's comprehensive software HiQnet Audio Architect allows for quick and simple controlling and configuration throughout the hotel's audio systems. Crown DCi4|300N, DCi4|1250N and



DCi8|600N amplifiers provide ample and efficient power for the speakers, and BSS EC-V and EC-4BV wall-mounted ethernet controllers offer easy volume and music control from anywhere in the hotel. A spokesperson for The Standard said that HARMAN Professional Solutions exceeded their expectations, both in the



quality of sound but also how well the selected solutions blended with the hotel's surroundings so naturally.

"This project is an exemplar of HARMAN Professional Solutions' capability to deliver full-range solutions for hospitality establishments no matter how unique or challenging the project may be," said Amar Subash, VP & GM, HARMAN Professional Solutions of APAC. "I would also like to express my gratitude to our talented partners Mahajak Co., Ltd and Atkrist Co., Ltd for this opportunity to collaborate."

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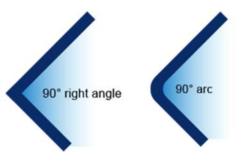
YES TECH launches new outdoor fixed LED display - Mview Series

Recently, 5G+8K, naked-eye 3D and billboard are the hot topics in DOOH solution, outdoor displays with its boundless creative and advertising impact, have become an indispensable important component as a media or to empower urban landscape.

Lightweight and low power consumption are the most concerned points for many customers to choose outdoor large screens. YES TECH officially launch Full Metal lightweight outdoor large screen ——Mview Series.

The core features of Mview Series are lightweight, energy-saving, high brightness, high protection rating, and supporting for 90° straight/curved corner splicing.

In terms of product performance, firstly, uniform heat dissipation, energy saving up to 50%; Secondly, triple waterproof design make protection level reach to IP65. Finally, 10,000 brightness, combined with high brush, high contrast, achieve excellent display effect in the complex and changeable application environment In terms of maintenance, Mview Series support front and rear maintenance, Furthermore, Mview supports 90° right-angled and curved splicing witch allow for more creative shapes, such as square columns and arc-shaped columns.



Join us on October 18th and 19th for our new fixed product launch event themed "Screen Your Visual World." Explore more details and latest trends in DOOH!





KV2 Audio shows its prowess in Manila

As part of its ethos, KV2 Audio is committed to sharing knowledge and techniques about sound and its characteristics to the industry sectors that it serves. As part of this program, the company's Asia Pacific office, headed by Robert Adrian Tan, recently participated with a series of live demonstrations that were held at the Musik Manila Expo last 25-26 August at the World Trade Center, Manila, Philippines.

Robert is the Director of Sales Asia KV2 Audio International, was on site in Manila with his colleague Andy Austin Brown, KV2 Technical Projects Director, to ensure a smooth show and had oversaw every step of the way, that everything was done correctly.

Exhibiting with their local partner, Sound Level Rental, KV2 also held exchanges and enquiries at the KV2 and Sound Level Rental indoor booth covering topics as the audio characteristics of the KV2 range which are aimed at the large community of sound engineers and rental company owners in the Philippines. "The Musik Manila Expo was indeed another eye and a listener's gain, when it came to the Outdoor Demo. We had only two cabinets for the Mid High enclosures whereby the rest of the field had at least six cabinets. We had doubled the subwoofers from the original eight subs as the Filipino preference and indeed, it created the right listening preference, as there was the applause that we received, that ensured that we had to do what we did in this show, which was to understand the requirements of the locals. We received multiple enquiries after each demo, and that proves, what we specified for the show was not wrong," said Robert.



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- ESP 2000 (Amplifier)
- Krig- KT2.0/ KT2.15/KPAK2600 (Amplifier)

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Ledman LEDHUB Interactive Conference All-in-one enables a new business meeting model for a renowned Saudi company

Recently, a well-known company in the Saudi Arabian furniture industry experienced how a 138-inch Ledman LEDHUB Interactive Conference All-inone (AIO) created a new business meeting experience and significantly improved meeting efficiency.

"When coming across Ledman LEDHUB Interactive Conference All-in-one at an exhibition, we were deeply impressed by the product's humanized interactive function. It was a great experience!"

According to users of the company, they are pleasantly surprised by the fluent split-screen writing and the convenient touch of zoom-screen for display and interaction.

The AIO(LEDHUB), blessed with several of Ledman's own patented key core technologies and integrating functions such as writing whiteboard, wireless screen projection, file management and video conferencing, provides a comprehensive meeting solution for a well-known Saudi company, delivering a fully immersive, highly interactive and real-time meeting experience.

Based on Ledman's proprietary advanced COB technology, LEDHUB

features high color reproduction, high protection, high reliability, wide color gamut and wide viewing angle. It supports free switching between Android and Windows, providing customers with a stable and reliable experience.



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HD resolution and large screen size allow attendees to clearly display and

share content, improving the accuracy of information transmission. Wireless screen projection and file management allow attendees to easily share and access documents and materials, enhancing meeting efficiency and fluency.

In order to deliver a more comfortable service experience, Ledman has conducted in-depth demand analysis. While meeting users' daily needs for furniture design and program discussion, multi-point touch control and whiteboard features allow attendees to annotate and write directly on the screen, enhancing the interaction and creativity of the meeting.

LEDHUB features a simple but clear interface and smooth operation, allowing participants to focus on meeting discussions and decisionmaking, and greatly reducing the disruption to the meeting caused by technical issues. Furthermore, to ensure a comfortable and convenient user experience, Ledman provides detailed training and technical support to familiarize users with the functions and operation of the equipment. Ledman's professional services and support have won praise and recognition from Saudi clients.

With its super product configuration, rich personalized functions and humanized interaction experience, LEDHUB helps a well-known Saudi company improve meeting efficiency and experience, boosting its digital transformation and upgrading, and making meetings smarter.

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Silver Star light show in Qinhu Park

Qinhu Park of Changshu in China, it is famous for the gorgeous scenery, especially the light show, which attracts thousands of visitors. And this is the first time to hold such feast in the park.





Neptune L380 B from Silver Star plays an important role in this project. Silver Star is experienced on the stage lightings for more than 38years and keeps investing on lighting technical development, so the NEPTUNE L380 B is super high efficiency, which brightness is 83,500Lux at 50m. The sharp and solid beam effect is awesome and all of the clients are happy with that.

The 16 prism, 6 linear prism, 29 gobos and 19 color filters can create a special

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beam and air flower effects. Super light-weight at 36.9 Kgs provides an extremely fast XY movement. IP65 is perfect for all the installations.

Neptune L380B provide a fantastic effect for the whole light show, also gives a lot of surprise and fun for the audiences.

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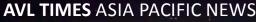


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Martin illuminates the luxurious Tokyo Riverside Apartment complex in Indonesia

To provide the new Tokyo Riverside Apartment with vivid and engaging lighting, architectural firm PT Chayolite deployed a selection of Martin lighting solutions.

Located in the Pantai Indah Kapuk 2 precinct (PIK2) within Jakarta, Tokyo Riverside Apartment is a luxury living complex featuring modern Japanese architecture and smart living tools. Developed by Agung Sedayu Group, the complex is conveniently located near a variety of amenities, including sports and recreational facilities, a 2.5-mile white sand beach and the Soekarno-Hatta International Airport. To accentuate its impressive architecture, PT Chayolite and HARMAN Professional Solutions were appointed to illuminate its facade in a way that complemented its luxurious details. To meet this requirement, the installation team deployed Martin VC-Dot 1 outdoor LED lights.

Featuring individually controllable LEDbased lights connected by flexible-yetdurable wire, the VC-Dot 1 offers the artistic flexibility and user-friendliness of LED video in a IP67-rated design for permanent outdoor or indoor use. In terms of infrastructure, the VC-Dot 1 only requires the Martin VC-Feeder and P3 PowerPort, keeping the setup simple without sacrificing versatility.

The outdoor P3 PowerPort 1000 is a highly versatile control source that can be installed remotely both indoors and outdoors, making it ideal for long-term and permanent installations. The resulting setup provides an energyefficient and long-lasting lighting solution for the Tokyo Riverside Apartment's exterior that heightens the building aesthetics and visual impact.

A spokesperson for PT Chayolite reported that working with HARMAN Professional Solutions provided them

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with the assurance of high-quality products that they can adapt for a variety of uses.

"We are thankful for the opportunity to work with PT Chayolite on this luxury residential project," said Amar Subash, VP & GM, HARMAN Professional Solutions of APAC. "Tokyo Riverside Apartment now boasts a visually stunning façade with lighting effects that complements the elegance of PIK 2, an upscale urban city at the coast of Jakarta."

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Claypaky fixtures shine in trio of Bollywood music videos for the hit film "Satyaprem Ki Katha"

Mumbai-based Light Craft & Sound Pvt. Ltd. provided a large complement of Claypaky fixtures to light three music videos showcasing songs from the hit Bollywood film, "Satyaprem Ki Katha" ("Tale of True Love").

Released in June 2023, the film is a Hindi language romantic drama about a troubled marriage. It has already become the sixth highest-grossing Hindi film of the year.

Claypaky Sharpy X Frames, Tambora Batten Squares, HY B-EYE K25s and Mythos 2 fixtures were selected by Lighting Designers Imran Shaikh and Rohan Tambe to light the production of the three videos. Light Craft undertook the responsibility of creating stunning lighting designs for the three songs working closely with the Director of Photography and Choreographer to achieve specific atmospheres and moods. For the songs "Raat Baaki" and "Sun Sajni," Light Craft was tasked with creating an immersive festival atmosphere that transported the audience to a vibrant, energetic world filled with authentic vibes. To achieve this they employed a range of cuttingedge lighting fixtures, including Sharpy X

Frames, Tambora Batten Squares, K25s and Mythos 2s. The song "Guiju Pataka" required a grand and dramatic entry for the hero befitting the largerthan-life nature of Bollywood. Light Craft used the Claypaky fixtures to create a captivating lighting design that complemented the hero's entrance.



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"These four fixtures were the perfect choice for the camera applications and the themes of the videos," says (Ayananka Bose & Manu Anand, Directors of Photography). "The Sharpy X Frames were used primarily as spots and as the main stage fixtures. Tambora Batten Squares enabled our creative approach, especially in the song 'Guiju Pataka,' while the K25s served as proper wash effects and the Mythos 2 provided background beams and powerful punch lights."

Arjun Singh (Managing Director of Light Craft) reports that the fixtures performed "exceptionally well with zero technical issues, as always. Claypaky fixtures are the first choice for Bollywood movie applications."

Claypaky technical support was appreciated as well. "The Claypaky technical team is always there to update us on new features and the functionality of their latest fixtures," notes Imran Shaikh and Rohan Tambe (Lighting Designers)

Arjun Singh is Light Craft's Managing Director. Pankil Ahuja is Claypaky's Sales Manager for India and the subcontinent.

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Clear-Com intercom system boosts productivity for Zenway Productions

Zenway Productions, a leading Singapore-based AV rental company, has recently implemented the state-ofthe-art Clear-Com® FreeSpeak II® Wireless Intercom System, revolutionizing their communication infrastructure. The new intercom system has proven to be an invaluable tool, addressing key challenges and significantly improving communication efficiency within the organization.

FreeSpeak II's multichannel capabilities allow flexible structuring of the intercom system according to the show at hand, which was of great interest to Zenway. The 1.9GHz and 2.4GHz options allow for operation in various territories according to the local laws there. The scalability of the system allows Zenway to deploy two smaller systems for independent usage, combine them into one larger system, or even to supplement with FreeSpeak II systems from other partners. In this manner, the system is able to cater for productions of various sizes and requirements.

The clarity of the FreeSpeak II digital transmission has resulted in clearer and more effective communication. The newfound efficiency has translated into increased productivity for the team enabling team members able to remain stationed at their respective positions and communicate effortlessly with anyone in the organization, eliminating the need for physical signaling or timeconsuming hand gestures. The result is a more focused and productive work environment, where seamless communication is at the forefront of operations. When asked about their likelihood to recommend the system to other businesses, Gelven Neo, Senior Production Engineer, Zenway Productions believes that recommending the System is akin to endorsing one of the most respected brands of communication. They are confident that other businesses will benefit greatly from implementing this cutting-edge technology, experiencing improved communication, enhanced productivity, and streamlined operations.

"We are delighted to have provided Zenway Productions with the Clear-Com FreeSpeak II Digital Wireless Intercom System, and we are thrilled to hear about the positive impact it has had on their communication infrastructure. The multi-channel communication capability of the system, coupled with

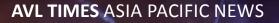


its exceptional audio quality, has revolutionized how teams collaborate and coordinate within the organization," states Gerald Chew, Business Unit Head (Sales and Distribution), Electronics & Engineering Pte Ltd, distributor of Clear-Com in Singapore.

"We are thrilled to have Zenway Productions joining the Clear-Com family. FreeSpeak II is the perfect product providing seamless and highquality wireless communication. Designed to provide clear and instant communication, even across distances, our advanced technology ensures that users are always connected when it matters most," concludes Hans Chia, Regional Sales Manager, South Asia Pacific, Clear-Com



www.clearcom.com www.enepl.com.sg



Claypaky Xtylos and Scenius shine at the grand opening party for Dubai's Atlantis The Royal

The new luxury hotel and resort Atlantis The Royal launched in Dubai with a grand opening party with the theme of "This Is it" and a guest list of celebrities, royalty, government ministers, travel influencers and global media. Mark Butts, Founder of Pasadena, California-based **Preset Productions, chose 289 Claypaky Xtylos to outline the rooftops** of the property and 35 Claypaky Scenius to act as front lights for the gala private evening that was marked by performances by Beyonce and superstar DJs Swedish House Mafia and a spectacular fireworks display.



Preset Productions was charged with lighting the environment, fountains and architecture at the site as well as the main stage entertainment. PRG's Dubai office provided the Claypaky fixtures to Butts, who served as Lighting Designer for the project. Butts is a long-time Claypaky customer and was the first to use the original Mythos fixtures in the US. "We're always looking for new and unusual gear, and Claypaky consistently delivers for us," he says. "I'm always confident in their equipment."

Martin Smit, Lighting Planning Manager for PRG, notes that, "This was a project that pushed all boundaries. Due to the scale of the building and the fact that the hotel was still in a handover phase, over a year of meticulous planning was required in order to execute [creative agency] CNX's vision, a launch event on the 'global stage'!" PRG worked closely with the production team and lighting designers, including Volt Lites,.

In total, PRG delivered 1,600 fixtures, five grandMA3 consoles across 30 MA3 NPUs, 28 Luminex Luminode units and 34 Luminex Gigacore switches across the entire property, including 10 rooftops, the hotel façade, the main stage and Skyblaze.

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The launch event marked Butts's first time using Xtylos, and he was eager to try them since "there's nothing else quite like them in the market. They seemed made for this project that required large-scale lighting and long throws high in the air. Xtylos were a perfect fit."

Production Manager Max Lippman determined the fixture placement mounting the Xtylos on the edge of the rooftops and on a pipe system on the glass balconies. The Scenius fixtures were mounted on a 405-foot FOH gantry and two 200-foot towers where they acted as FOH followspots and fill lights for the stage.

Dan Norman served as previs programmer in Los Angeles with Vanessa Arciga; Mike Sheck and Arciga moved on site to program everything for the event except Beyonce's show.

Mark Butts believe he will be using more Xtylos in the future. "I would love to use Xtylos as much as possible for the big events I do outside the US," he says. "I see them becoming my go-to product for those large-scale projects."

www.claypaky.com

PRO LAB welcomes Aziz Adilkhodjaev as Business Development Director

PRO LAB, a leading distributor of professional audiovisual equipment in the GCC and MENA regions, is thrilled to announce the appointment of Aziz Adilkhodjaev as the company's new Business Development Director. With a proven track record of success in the lighting and entertainment industries, Aziz brings with him a wealth of experience, knowledge, and expertise to his new role.

Aziz joins PRO LAB from his previous position as International Business Development Manager at Chamsys Ltd, where he played a pivotal role in expanding the company's network of international distributors. Over his sixyear tenure, Aziz managed over 50 accounts across 47 countries and played a crucial role in growing ChamSys' presence in diverse markets, including APAC, GCC, Africa, ex-CIS, Nordics, and parts of Eastern Europe. His contributions included fostering strong relationships with distributors, assisting them with technical issues, and spearheading initiatives to increase market share and turnover.

Throughout his career, Aziz has amassed over 16 years of experience in the professional lighting industry, having worked for major lighting console manufacturers. His journey includes notable positions such as Sales Engineer and EMEA Manager at Avolites Ltd, and his most recent role at Chamsys Ltd. Aziz's global reach spanned across six continents, where he established connections and appointed 35 new international distributors. His international exposure and technical prowess make him an ideal candidate to drive PRO LAB's growth.

Aziz's decision to join PRO LAB stems from his admiration for the company's growth trajectory and its commitment to customer care. He was particularly drawn to the diverse product range and the opportunity to work with multiple



Aziz Adilkhodjaev (Business Development Director at PRO LAB) and Rami Haber (CEO of PRO LAB)

brands across various market segments. Aziz envisions utilizing his technical expertise to engage with customers on a deeper level and assure them of PRO LAB's dedication to professional equipment and outstanding support.

As the new Business Development Director, Aziz will take on responsibilities including expanding the current product range, strategizing market growth, acquiring new brands, negotiating deals with manufacturers, enhancing technical training, and ensuring exceptional customer service. With his technical knowledge, industry relationships, and commitment to excellence, Aziz aims to strengthen PRO LAB's position as a premier distributor of audiovisual equipment in Dubai and the GCC region. "We are delighted to welcome Aziz Adilkhodjaev to our team," said Rami Haber, CEO of PRO

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LAB. "His extensive experience, technical proficiency, and strong industry connections will be invaluable as we continue to enhance our offerings and serve our clients with the highest level of support."

Aziz is excited about his new role and the prospects it holds. "I look forward to contributing to PRO LAB's growth and success in Dubai and beyond," he said. "With a strong team and a dedication to customer satisfaction, I'm confident that together we will achieve remarkable results."

As Aziz embarks on this new chapter with PRO LAB, he extends his gratitude to the ChamSys team and industry colleagues for their support and encouragement.

www.prolabllc.com



Proteus powers Aaron Russ lighting design for Dubai World Cup Closing Ceremony

Lighting designer Aaron Russ of ARLD turned to Elation Professional's Proteus Excalibur™ and Proteus Maximus™ as the building blocks of a lighting design for the closing ceremony of the 2023 Dubai World Cup, a Thoroughbred horse race held at Meydan Racecourse each March and the world's richest horse race.

The brief for the large-scale production called for something spectacular and unique, a show that highlighted the horse race, its creators and Dubai as the host city. The creative team delivered an unforgettable spectacle with pyro glider planes, drones, lighting, video and fireworks all working as one choreographed scene to the delight of onlookers both live and on television across the globe.

Technology solutions provider Creative Technology Middle East (CTME) worked as a key supplier for the closing ceremony event, delivering a full turnkey solution of audio, video, lighting and comms on behalf of client Artists in Motion. The technical delivery solution consisted of 1,400sqm of bespoke LED screens, content management, audio distribution, and a fully featured lighting and extensive comms package. CTME installed more than 500 lighting fixtures along with lighting control, a task overseen by CTME head of lighting Sam Connolly.

"We worked with Aaron on-site about the possibilities and the realities of what he was trying to achieve and then worked with the scenic companies to make sure that everything was possible including getting fixtures on to the LED screen and speaker podiums," he said. "We used many of our latest lighting investments on the project and it was good to see months of hard work come to life in what was a very well organised show."



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LD Aaron Russ has worked on several Dubai World Cup closing ceremonies before. Lighting for this year's event was about elevating the visual experience to new heights, filling in the blanks, and tying all of the various visual elements together, he said. The designer says he was familiar with both the Excalibur and Maximus from the Dubai Expo, where he was one of the WBD programmers in Al Wasl Plaza. "I used the Maximus extensively and fell in love with them there. The Excaliburs were used for the finale in the Expo Closing Ceremony and I knew I needed them on one of my gigs and the Dubai World Cup was the perfect environment."

Russ says the Excaliburs and Maximus were chosen for their raw power and IP ratings. "It often rains during the course of this event and I've been bitten by this before, however in the past there hasn't been a fixture with that much power and be able to take a rain storm and still perform." Most of the show was programmed in WYSIWYG and he says he only had a few nights for live focus. "Bagging fixtures to cover them was not an option as I would not have had a chance to re-check focus and beam alignment before the final show. Being able to leave them uncovered was a life saver." CTME's Connolly adds, "From our side, having the IP rating really helped. The grass had to be watered on an hourly basis which meant we needed to have faith in the system to handle the water pressure."

Creative Agency: Artists in Motion Middle East Technical Director: Nick Newey Head of Creative & Show Director: Richard Lindsay Lighting Designer: Aaron Russ Managing Director: Stella Carmody Notch Producer: Haitham Taha (INFRAMES) Project Director: Natalie Grassick Audio, Video, Lighting: Creative Technology (CT) Head of Design: Jonny Old Head of Motion: Matt Lock Creative Director: Caterina Vicaretti Head of 3D: Alex Zaloudek Executive Producer: Liz Goodyer Senior Producer: Olivia Beale Glider Planes: Aerosparx Tracking System: stYpe Pyro: Flash Art



In the past, Russ says that 90% of the infield behind the screens would be left dark, and the same for the track space between the grandstand and the main screens. "I always thought this looked ugly on heli or drone shots - this vast darkness around a super bright screen," he shares. "I wanted to fill this space. The Excaliburs (40) were placed in clusters layered in the infield from the screen to the back straight of the track. Their output was needed to punch through the pyro and drones that gave off a lot of ambient light."

Twenty-four Proteus Maximus were positioned on the level 8 roof top for keylight, about a 100m throw to the front straight they were intended to light. "Even with color and gobo in



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frame they were more than enough to fill the space and bring a normally dark area to life," Russ stated. "The 24 units covered roughly 200m x 30m. Even I was a little surprised at how well they performed."

Speaking of the Proteus luminaires, Russ stated, "They can be absolutely brutal when you need them to be but also delicate down to the smallest bit of control you need from them. Every time the Excalibur set into a new position or punched through the smoke and clutter it gave me tingles. And to see perfectly rendered water and drifting sand effects mimic video content on the race track, I was blown away." He adds that special considerations had to be made as far as fixture positions in order to not blind the pilots in the planes and not light the drones.

Russ reports that he was very happy with the support from CTME's lighting department. Andy Reardon, Managing Director of CTME, concludes, "Our teams pushed the boundaries and delivered a spectacular show. We had over 40 engineers and 50 crew working on the delivery and execution using the latest technology and supplying a world -class service. A huge thank you to Artists in Motion for engaging us on this ground-breaking event."

elationlighting.com



Trailblazing a new era of lighting design in India

Industry maverick and Lighting Director of Lollapalooza India, Naveen Deshpande, delves into the details of how the first Asian edition of the globally acclaimed music festival has ushered in new a wave of positive transformation for lighting design within the Indian Live Event Market

Brought to India by entertainment company, BookMyShow, along with global producers, Perry Farrell, WME and C3 Presents; the maiden edition of Lollapalooza India was spread across 2 days and hosted world-class performers like Imagine Dragons, AP Dhillon, Diplo, Divine, Prateek Kuhad, The Wombats, and many more; as 60,000+ die-hard music fans swarmed the four unique performance stages that were expertly set up at the famous Mahalakshmi Race Course Grounds. Audiences were treated to a true taste of what it's like to attend a globally acclaimed worldclass festival - with every aspect of the festival experience curated in great detail and executed with the highest level of precision.

For example, the four performance stages namely the BUDX stage (mainstage 1), the Walkers & Co stage (mainstage 2), the Perry's stage and the NEXA stage; each enjoyed a truly encapsulating sound experience thanks to superlative expertise and top-notch gear extended by arguably 4 of India's top professional audio solutions providers. Sound & Light Professionals was at the heart of it all at the BUDX stage, while Sound.Com, Audio Dimensionz and Electrocraft each exuded unparalleled prowess in commissioning the Walkers & Co stage, the Perry's stage, and the NEXA stage respectively.

That being said, the one stand-out aspect of Lollapalooza India that truly coalesced it all into a seamless, homogenous and truly superior festival experience for the audience was undoubtedly the lighting design.

Two of India's most prominent lighting service providers in Star Dimensions Inda Pvt Ltd and Stage Engage were

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brought on-board to commission the extensive lighting rig for the four stages; with each stage spotlighting an intricate lighting rig comprising an eclectic mix of hundreds of world-class high-performance fixtures from industry leader brands like Clay Paky, Elation, Martin, Acme, Showtech, and Smoke Factory.

The BUDX stage and Walkers & Co stage were adorned with close to 250 different lighting elements each, while the Perry's stage and NEXA stage were outfitted with close to 200 fixtures and 150 fixtures respectively; as each stage was equipped with two units of the industry leading grandMA3 full-size





lighting control console to deliver impeccable control and achieve flawless designs. Despite the extensive scale, the lighting design at each stage exuded a unique sense of individuality while also being perfectly synchronous and kindred with the overall vibe of the event - a feat that has rarely been witnessed in India for an event of this magnitude. And the sublime amalgamation of this kind of experience undoubtedly involved countless hours of meticulous planning, in addition to an unbridled passion for excellence, and perhaps most importantly, an unparalleled level of expertise in lighting design that stands second to none.

With a clear vision of the kind of immersive experience that needed to be achieved, the festival organizers sought the expert guidance of one of India's leading lighting designers -Naveen Deshpande and his team at Ground Control. And within no time at all, Naveen was officially on board as the designated Lighting Director of Lollapalooza India. Naveen explains that the planning stages for the project began several months prior to the festival date itself, with the Ground Control team submitting the lighting plots almost 4 months in advance once again a feat unheard of within the Indian live event scene. And the first step of it all involved locking in the right kind of festival inventory that would do justice to all the stages and the various genres being performed at each of the stages. As Naveen informs, "Through our initial few meetings, we took genres of every stage as our starting point for



the design; and with internal feedbacks and a few tweaks we presented the festival plot to the team. We were certain about using branded fixtures only which would help us ensure that every lighting designer would have a 3D access to pre-visualize the rig and come prepared. This in turn would mean that they'd spend the least amount of time on site getting acclimatized to the setup, which obviously would help the show run much smoother. This is exactly why we chose to incorporate global leader brands such as Clay Paky, Elation, Robe, Acme and of course MA Lighting; thus matching international standards across the entire lighting spectrum."

The planning and execution methodologies deployed by for this project, according to Naveen, was unlike any other ever attempted in India. The Ground Control team collated all the data concerning measurements and schematics of the venue etc, and used this to create a base design to understand the basic layout at each stage. The team tried different trussing plans while accounting for various rigging options and LED Wall placements; and also studied the weight restrictions at each stage to finally narrow down on the perfect combination of fixtures that were ideal for each of the individual lighting rigs, keeping in mind the genres that each stage would host and also the overall theme of the festival. The base design layouts were then mapped in 3D to test run the rig; and after considering vital inputs from the programming team, the plots were finalized and final design was created. These designs were then forwarded to the organizers for approval; following which they were shared with the teams at Star Dimensions and Stage Engage to study and subsequently detail an efficient and neat cabling schematic for the setup on -site. Once the teams at Star **Dimensions and Stage Engage** submitted their cabling plans, the Ground Control team used the cumulative information to zero-in on the final DMX data sheet. Following this, the data sheets were fed into a house show file with 3D data – and all the details of this file were doublechecked before it was sent out to all the travelling lighting designers and the organizers etc., to reconfirm if all the fixtures appeared and worked correctly

and as per the plot on the 3D file.



iRIG appointed as Middle East partner for Eilon Engineering Load Cell distribution

Dubai-based iRIG, a leading provider of industrial and live event solutions in the Middle East, is pleased to announce its partnership with Eilon Engineering as the exclusive distributor of their high-quality Ron StageMaster load monitoring systems. The partnership became effective on June 1st, 2023, marking a significant milestone for both companies in expanding their presence in the Middle East market. With this partnership, iRIG reinforces its commitment to delivering superior solutions and exceptional customer service. The collaboration with Eilon Engineering aligns with iRIG's strategy of partnering with industry leaders to offer the latest technological advancements to its valued clientele. Through this new venture, iRIG will have a wide range of load cell solutions to cater to the diverse needs of its customers in the Middle East, for both sale and rental. irigevent.com



left to right: Mathias Wilke, Managing Partner & Technical Director, iRIG and Ryan D'Cunha, Managing Director, iRIG

eilon-engineering.com

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Main Stage 1 (BUDX): 40 Claypaky X Frame, 16 Claypaky Mythos, 24 Claypaky B-Eye K25, 20 Claypaky Tamboura, 20 Martin MAC Quantum Wash, 18 Martin Atomic 3000, 30 Elation FLX, 24 Nova 4-way Blinder, 40 Generic RGBW Par, 4 Smoke Factory Haze

Main Stage 2 (Walkers and Co): 36 Martin MAC Quantum Wash, 50 Martin MAC Aura XB, 24 Claypaky B-Eye K20, 20 Showtech Sunstrips MKII, 32 Clay Paky Tamboura, 54 Elation SBX Pro, 20 Nova 4-way Blinders, 4 Smoke Factory Haze

Perry's Stage: 24 Martin MAC Aura XB, 16 Martin Atomic 3000, 12 Elation 5R Beams, 48 Acme Libra BSW, 12 Acme Dotline 180, 24 Acme 2-way Molefay, 20 Acme Ginanp Strobe, 28 Generic RGBW Par, 4 Smoke Factory Haze

Nexa Stage: 32 Claypaky Mythos, 24 Martin MAC Quantum Wash, 24 Elation FLX, 48 Nova Single Eye Molefays, 20 Martin Atomic 300 LED, 4 Smoke Factory Haze

*grandMA3 full size (Master) + grandMA3 full size (slave) on all stages



On the other hand, the execution of the working plan was every bit as meticulous, as Naveen confirms the teams at Star Dimensions and Stage Engage respectively ensured that every last detail including aspects like IP addresses for console, Artnet, NPU's and complete addressing of fixtures remained absolutely the same as the final approved plans. Naveen details, "We had a fantastic on ground team who really planned swift rigging on site giving us a spare day for preprogramming which worked out great for us as every LD was able to check their show files very swiftly. We did thorough checks with the house show file and ensured every piece of data that was shared was accurate before we did an official handover. Even during the festival itself, we had a representative from Ground Control and from Star Dimension or Stage Engage at each stage to assist every guest lighting designer. I was personally present at the BUDX stage along with my colleague Ramanuj Deka, while my other colleagues Satvinder Singh,

Akshay Khubchandani and Ajay Teja capably handled the Walkers & Co, Perry's and NEXA stages respectively. All in all, the setup at each of the stages looked absolutely fantastic and was duly appreciated even by the headliners. We did not need to make any changes to the rig except for a few headliners where we had to add couple of additional fixtures as part of their floor packages."

"It was quite phenomenal to see fixtures clearly even in day light, and the fact that we used the lighting rig to its full capacity to create absolutely mesmerizing designs even for the day acts is a testimony to the unbelievable level of planning, co-ordination, and collaborative expertise that we've all invested in Lollapalooza India. By the end of the festival, we had many travelling lighting designers thank us for all the information that was shared with them well before the show, as it evidently eased their pre-production work. In many ways, Lollapalooza India stands as a true trend-setter; and the

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festival has certainly kicked up expectations and standards several notches higher. Personally, we at Ground Control have already started implementing these working methodologies across all our shows. The suppliers who we work with on a regular basis have already got a hang of things and the process of rigging to programming has become much more efficient. At the same time, we've also been fortunate to work with forward thinking event companies and production heads who understand the kind of value we bring to the table. In fact, many of the shows that we've been a part of in the past 6 months or so, exude a unique design identity – be it Lollapalooza, Prateek Kuhad's 'The Way that Lover's Do' tour or the very recent Cinematic Orchestra Tour they're all at par with the very best in international standards" Naveen states confidently.



PROLIGHTS upgrades Privilege Club in Dubai with stunning illumination



PROLIGHTS has upgraded the lighting system at the Privilege Club in Dubai, one of the most spectacular nightclubs in the UAE, located on the top floor of the prestigious SLS Hotel in the



Business Bay area. In collaboration with Em-Tec and lighting designer Alex Douglas, the Privilege Club decided to enhance its lighting setup to provide visitors with a visually captivating experience befitting the venue. The lighting fixtures were supplied by PRO LAB, the PROLIGHTS distributor in the United Arab Emirates, and included the PROLIGHTS ArenaCob 4FC and PROLIGHTS Air 5Fan. With this upgrade, lighting designer Alex Douglas was able to create an immersive design that heightened the club's atmosphere, offering a wide range of visual effects. By strategically positioning the Prolights ArenaCob 4FC fixtures around the videowall to mimic the colors displayed on the screens, Douglas achieved dynamic and immersive visual effects. He stated, "The Prolights ArenaCob 4FC fixtures have undoubtedly enhanced the visual impact of my lighting design."

prolights.it

PROLIGHTS brings control to GTV9 Studio

When GTV9 Melbourne decided to update its lighting, it had no doubts to turn to PROLIGHTS, encouraged by the important presence of suppliers but also by the excellent reputation of the brand in the nation. Having a fixture they could add more too, or replace in a short lead time, from any of the main Melbourne rental houses was definitely a major consideration with the purchase. The resulting package comprises:22 EclFresnel TW ,11 EclFresnel 2KTW, 22 EclPanel TWC, 18 EclPanel TWCJr and 13 EclProfile CT+. Since the installation, the studio has halved the fixture count in the rig from the old tungsten amount and there has been considerable savings in power. "Our talent have even commented on



how cool the studios are these days" remarked Daniel Saveski, Senior Lighting Director at GTV9. "The best thing about LEDs is once the colour temperature is set there is no colour shift when lowering levels. This was always the fun and sometimes challenging side in lighting faces with a tungsten source." Shane O'Dwyer, Lighting Supervisor at GTV9, added that he particularly likes that there is a very even colour temperature between all of the different fixtures which, he points out, really helps when you are lighting one show with multiple lights. "The evenness of the light output is awesome, especially the profile fixture, from the middle of the beam to the edge, there is no drop off which has changed the way I can light making it so much easier" he commented. Shane has enjoyed using the EclPanel TWC fixtures for fill light especially in conjunction with an egg crate which has allowed him to control the light and stop the set being washed out. "The ability for fixtures to switch to RGB mode has meant we have so many more creative options and can respond quickly to a creative request from a director or producer during a live show" he also said. The tunable White from Daylight through to Tungsten means that Daniel and Shane can now get the best look out of the set screens, with so much control over the light output. **prolights.it**



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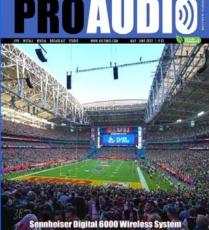
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Christie Crimson Series laser projectors illuminate Mumbai's Gateway of India

Christie[®] is pleased to announce that its highbrightness Crimson Series 3DLP[®] laser projectors are delivering big, bright visuals for a new light and sound show at the Gateway of India, an iconic arch-monument built in the early 20th century. The projectors were installed and commissioned by E Factor, a leading event planner that provides end-toend solutions for the creation of unique experiences in India. A total of eight Christie Crimson WU31 laser projectors were used for this permanent installation. The E Factor team, in collaboration with Christie, designed and manufactured bespoke weatherproof



enclosures for the Crimson WU31 projectors. These enclosures are equipped with intelligent automation systems that can detect any changes in temperature or humidity, ensuring that the projectors remain functional and secure. To prevent automation failure, E Factor installed an external parameter reading system that provides digitalized readings in real-time. The projectors housed in enclosures are then fitted on towers positioned 100 meters (328 feet) away from the monument, ensuring that the projections are visible from a distance. christiedigital.com



GS Series projectors light up immersive experience spaces at Incheon Metropolitan City Museum

Christie[®] is pleased to announce that Incheon Metropolitan City Museum, the first public museum in South Korea, has chosen its GS Series 1DLP® laser projectors to deliver lifelike visuals in two newly established immersive experience spaces within the facility. Created under the theme of "Incheon Running Through Time", it comprises several immersive media art and immersive experience contents that seek to highlight the history, culture, economic and social development of Incheon and its historic Jemulpo district. A total of 11 Christie DWU630-GS laser projectors have been deployed in the main immersive experience hall and an innovative Jemulpo Photo Studio. The projectors were supplied by Christie's trusted partner, SNC Alliance, while the projector installation and commissioning were completed by local systems integrator, Mega Link. Visitors can admire amazingly detailed images displayed on a three-sided wall in the immersive experience hall by 10 Christie DWU630-GS laser projectors fitted discreetly overhead. Jemulpo Photo Studio, another newly created space within the museum, is powered by a Christie DWU630-GS laser projector to showcase an interactive media art experience through photo-taking and an interactive edutainment experience known as "Incheon's Independence Movement: Listening to Kim Gu and Hong Jin" that can detect and respond to visitors' movements. christiedigital.com





Sonos Libra transforms PTT's Conference Room with Avantis mixer for 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 inobtrusive wall-mount format.

allen-heath.com

Studio Due lights up the facade of Al Dana Amphitheatre in Bahrain



Carved from the rock of the spectacular Sahkir desert in Bahrain is the Al Dana Amphitheatre. As the kingdom's newest and most exciting live entertainment destination, it features an impressive 10,000 seat amphitheatre with a lighting design by Woordroffe Bassett Design and using MPcolor 24 architectural lighting fixtures from Studio Due. "We were looking for a reliable, attractive product that would produce a particularly coherent beam to edge light the front of metal grills that face the office building. In this case reliability was a major issue as the environment in which the building sits produces very high and low temperatures at different times of the year and is also prone to sandstorms. The MPcolor 24 with custom lens kit seemed a good choice to cover all these factors," commented Woordroffe Bassett Design. **studiodue.com**





FENIX STAGE increases its international distributor network by signing STAGEMIX TECHNOLOGIES as exclusive distributor in INDIA

The Mumbai-based company has become one of the national references in the distribution of professional AV equipment. That is why from FENIX Stage we are delighted to welcome **STAGEMIX TECHNOLOGIES among our** key partners to continue growing internationally.

STAGEMIX TECHNOLOGIES, which currently distributes brands like DAS Audio, Adamson, and Adamhall group brands, will expand its product catalog to include FENIX products. Among them are our lifting towers, Ground Support towers, and solutions for elevating and stacking LED screens, such as the new FLES (FENIX LED Support). With the aim of providing the best lifting solutions for professional sound and lighting equipment throughout the territory of India.



"We are delighted to continue advancing in our international expansion strategy with a company like STAGEMIX, a reference for us in the Indian market. The FENIX Stage team is excited about the future of this market and we can't think of a better partner than STAGEMIX to grow in the country" says Mr. Alex Bryan, Sales Director at FENIX Stage.

Frontal loading

fenixstage.com stagemix.com

Photo shows Mr. Alex Bryan, Sales Director of FENIX Stage and Mr. Vinit K. Poojary, CEO of STAGEMIX at PALM Expo

Royal Opera House Muscat chooses Color Force II by Chroma-Q

The Royal Opera House Muscat (ROHM) is one of the most opulent jewels in the world of classical music venues and a spectacular focal point for the region's performing arts. Recently, the ROHM has carried out an upgrade to its stage lighting system, including the addition of 26 Color Force II 48 LED battens by Chroma-Q, purchased from A.C. Entertainment Technologies (AC-ET). Discussing the choice of the Color Force II LED battens, the venue's Technical Department Manager, Donald Cox, said the venue's need was very much for a unit that could provide a decent spread of high-quality light, considering the short distance and the tight space that they would be used in. "We liked the light output and smooth dimming curve of the Color Force IIs," he said. "The output is very even, with a good colour spectrum.



They're a great replacement to our old tungsten lighting battens, with excellent colour mixing." With a schedule of mostly touring performances and productions passing though the venue, the versatility and output characteristics of the Color Force II were a particular benefit to the team. Asked if the venue's lighting crew were impressed with the new additions, Cox replied: "Very much so – we will be looking at purchasing more in the future." He added, "AC-ET understood our requirements. We are very happy to have purchased the Color Force II and trust that they will give us many years of service." **ac-et.com**

Green-GO comms solution for Wuhan's Han Theater Hall

Communication systems from the award-winning specialist Green-GO have been chosen for Wuhan's Han Theater Hall, part of the vast International Expo Center in the city's Hanyang District. Within the complex sits the 2,350capacity Han Theater Hall. Here the overall design of the PA system in the auditorium was the responsibility of Beijing Radio, Film & TV Design and Research Institute. EZPro was brought in to provide clear, reliable, flexible and scalable audio solutions for this landmark building. With bases across China, EZPro is one of the country's leading distributors of professional audio and lighting brands and a renowned solutions provider. Their contribution at Han Theater Hall included the venue's essential crew communications. At Han Theater Hall, five Green-GO MCXD multi-channel



desk stations are sited at various locations including the mix, video control, lighting control and stage operation positions, plus the voting control position for directors and other staff to use. There are 25 intercom network outlets in all, including in the amplifier room, signal switching room, mix position, and various lighting, backstage and bridge positions, for the connection of six Green-GO BPX multi-channel wired beltpacks. Furthermore, four Green-GO WAA wireless active antennas are separately configured both on- an off-stage to provide wireless communication signals for 16 Green-GO WBPX wireless beltpacks. The system is also equipped with Green-GO InterfaceX, which links 2-wire or 4-wire analogue intercom systems into the Green-GO digital Ethernet network, also to facilitate the connection between the intercom system and the PA system. In addition, a Green-GO RDX Radio Interface is provided for linking portable radios into the Green-GO system.



greengodigital.com ezpro.com

Christie GS Series laser projectors illuminate historic splendor of Zhenbeitai Tower

Christie[®] is pleased to announce that its GS Series 1DLP[®] laser projection systems are used to deliver spectacular visuals on the façade wall of Zhenbeitai Tower, the largest watchtower along the Great Wall of China. In a move to showcase the artistic charm of Zhenbeitai Tower and create a festive atmosphere during Lunar New Year, the Yulin Municipal Government initiated a large-scale projection mapping show on the facade wall of the watchtower. Christie's trusted partner, Jianye Display, was engaged to deliver this ambitious show, and a total of seven Christie DWU1100-GS 1DLP[®] laser projectors were deployed to display bright and vibrant images



on the tower's façade wall. "The Christie DWU1100-GS laser projector, with a brightness of 11,850 lumens, has been instrumental in bringing the ancient Zhenbeitai Tower to life with this mesmerizing light show," said Zhongliang Li, technical director, Jianye Display. The DWU1100-GS projectors are double-stacked and housed in specialized weatherproof enclosures positioned about 100 meters (328 feet) away from the tower, ensuring that the projections are visible from a distance. The projected content, which measures 60 meters wide and 8 meters high, outlines the magnificent history and cultural significance of this watchtower over its 400-year history, and how its existence has contributed to the peace and development of Yulin and the frontier regions.

christiedigital.com

Photo © Jianye Display

Christie Inspire and GS Series laser projectors bring artifacts to life at Gyeonggi Provincial Museum

Christie[®], the leader in inspiring exceptional experiences, is pleased to announce that its 1DLP[®] laser projection systems have been installed in a new immersive space in Gyeonggi Provincial Museum to deliver extraordinary visuals. Known as the 'video room', it is the latest initiative by the museum to engage guests through the use of projection and interactive technologies to create unique and immersive experiences. The centerpiece of this new exhibition space is a spellbinding projection display on four surfaces using eight laser projectors comprising the Christie DWU960ST-iS and DWU630-GS



models. Supplied by SNC Alliance, they bring to life the content of "Staff and Chair of Gyeong-seok Lee and Paintings of the Conferment Banquet", a precious artifact dating back to the 17th century. Five 9,600-lumen Christie DWU960ST-iS laser projectors fitted discreetly overhead are used for projections on the three-sided screens, providing a sense of immersion. The floor projections are accomplished by three ceiling-mounted Christie DWU630-GS laser projectors equipped with an interactive device that detects motion on the ground and blends in with the screens. As visitors walk across the room, the peony flower patterns projected on the floor bloom or wither with each step, creating an added layer of interest and wonder. christiedigital.com

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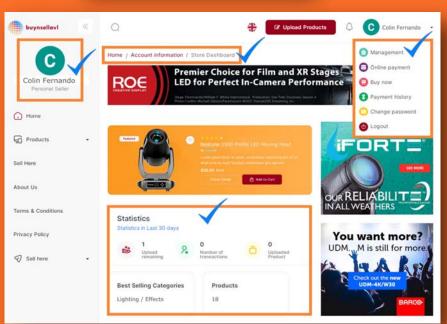
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Absen unveils groundbreaking innovations: KLCOB V2 Series, Absenicon X, and Absenicon C Ultrawide

NEW INNOVATIONS FROM



KLCOB V2 Series



Absenicon C Ultrawide



Absenicon X

Absen, a global leader in DvLED display solutions, is proud to announce the launch of three cutting-edge products that will revolutionize the visual experience in various applications.

The KLCOB V2 Series, Absenicon C Ultrawide, and Absenicon X are poised to redefine clarity, performance, and versatility in the DvLED display industry.

KLCOB V2 Series: Born for a Revolutionary Visual Experience

Elevate your visual experience with Absen's KLCOB V2 Series. Designed in pixel pitches of 0.9mm, 1.2mm, & 1.5mm, and powered by cutting-edge full flip-chip COB (Chip-on-Board) technology, this display champions color precision and heat mitigation. Experience a breakthrough with a substantial 40% boost in energy savings and a 50% increase in durability.





www.avltimes.com

One of the key innovations of the KLCOB V2 is its pioneering black coating technology, ensuring visuals without glare or reflection. Combine this with HDR capabilities, a 15000:1 contrast ratio, and a cinema-quality DCI-P3 color gamut, the KLCOB V2 promises unrivaled, lifelike imagery. Absen's image optimization technologies amplify clarity, ensuring natural, vibrant displays.

Boasting features like 2FPS low latency, the brilliance of 600nits, a palette of 1.07 billion colors, and smooth 22-bit grayscale transitions, the KLCOB V2 stands out. Its innovative surface light technology effectively minimizes moiré and provides outstanding in-camera performance. And, thanks to the 3840Hz perfect in-camera performance and HBB common cathode technology, it stays cool under pressure while offering 360-degree protection against external impacts.

Dive into a new dimension of visual mastery with the KLCOB V2 Series.



Absenicon C Ultrawide: A Wider Perspective, A New Era of Collaboration

The Absenicon C Ultrawide transforms meetings with its 21:9 display solution. Available in 154", 181", and 208", it enhances productivity in boardrooms and meeting spaces. The screen's 600nits brightness, seamless design, and 98% screen-to-body ratio guarantee an immersive viewing experience.

The Absenicon C Ultrawide integrates seamlessly with popular collaboration platforms like Microsoft Teams and Zoom. Its color precision and ultrawide aspect ratio are in perfect harmony with human vision, while low blue light certification safeguards against eye fatigue. Integration is a breeze. With ethernet control protocols, connect easily with systems like Creston and Extron, ensuring cost efficiency. Flexible multi-view modes allow for both full and split-screen presentations. Plus, its modular design ensures swift transportation and installation, for an effortless setup.

Absenicon X: The Future Meets Excellence

Step into the future with Absenicon X – where cutting-edge visuals meet unparalleled interactivity. Choose from expansive 108", 136", and 163" screens that boast of breakthrough flip-chip COB technology and optional interactive touch capabilities. Tailormade for professional spaces such as boardrooms, meeting rooms, and showrooms, the Absenicon X series transforms ordinary presentations into collaborative masterpieces.

C Ultrawide

Experience visuals in a league of their own, thanks to Absen's elite image

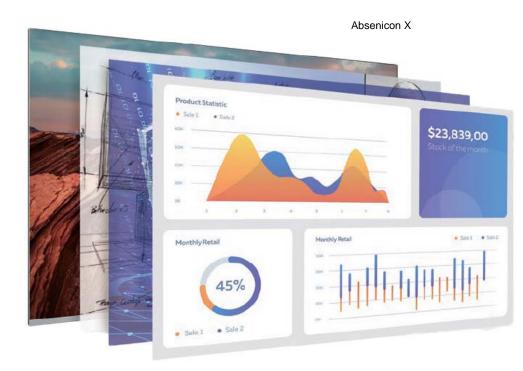
optimization. Relish in a stunning 90% BT2020 cinematic color gamut, a crystal -clear 15000:1 contrast ratio, and meticulous color calibration.

Plus, enjoy hassle-free setup with the all-inclusive kit, encompassing everything from a controller to audio, and all necessary display elements.

Elevate user engagement with precision infrared touch – be it simple gestures, detailed handwriting, or multipoint interactions.

Take command effortlessly with intuitive remote control functionalities, and bolster teamwork with wireless screen sharing. With the Absenicon X series, every discussion becomes a ground breaking collaboration.

Unveiling three revolutionary products, Absen solidifies its stance at the forefront of DvLED display evolution. Dive deeper into Absen's cutting-edge DvLED solutions at usabsen.com or connect with our dedicated Absen experts in your region.





Click the link to find more information at www.absen.com

Ayrton ARGO 6 FX

Versatile fully-equipped IP65-rated luminaire designed for a multitude of applications



ARGO 6 – Ayrton's first weather-sealed effects luminaire Feel the Freedom!

For the first time in its history, Ayrton is launching a weather-sealed effects luminaire that offers as much creative potential indoors as outdoors. Argo 6 presents a minimalist design incorporating features for total protection against harsh weather with easier internal access.

Compact and lightweight

A new composite alloy, reduction in thickness of the parts, an optimised cooling system, simplified lens guidance, and integration of lowdensity optical components, mean Ayrton has been able to reduce overall weight by 20%. Meanwhile, the placement of pan & tilt motors in the base and head of the luminaire avoids the constraint of weatherproofing the yoke arms. A new submersible ventilation system in a non-waterproof compartment allows for optimal cooling.

Argo 6 FX is equipped with 19 LEDs of 40W with RGB+W additive colour synthesis that can deliver a light output of 13,000 lumens. Its 280mm antireflective treated glass front window is designed to ensure optimal visuals and offers increased performance. Argo 6 can obtain a highly intense beam with a zoom ratio of 14:1 and a wide zoom range from 4° to 56°.

Argo 6 FX is a versatile fully-equipped luminaire designed for a multitude of applications. It borrows from the main features of the Wash version and offers continuous rotation of the pan and tilt movement I.R.S.TM.

Argo 6 FX is equipped with a highdefinition liquid effect system enhanced by a translucent honeycomb that can generate complex graphic effects LiquidEffectTM.



Argo 6 FX can be used alone or in combination with the main LED matrix. By allowing for more precision and exactness, they add a breath of creativity.

Part of Ayrton's Multi Sources IP65 6 Series, Argo 6 allows the rediscovery of a new sense of pure freedom. Argo 6 is already being adopted worldwide by major players with PRG Middle East being the first company in the world to take stock of the new fixtures, closely followed by Procom and Media Pro, Lunatec of Poland and Axente in France; Ambersphere Solutions in the UK, ACT Entertainment in North America, Molpass in Italy and Show Technology in Australia. Watch this space for more stories to come!



Click the link to find more information at www.ayrton.eu

AVL TIMES PRODUCTS

NEXO expands industry-standard P+ Series with P18 and L20

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

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

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

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

The new P18 is available in Touring, Installation (passive only) and hybrid TIS versions. In the Touring version, two large handles on each side hold a 35mm pole stand adaptor and Speakon





connector for discrete connection when the cabinet is used on pole stands or in wedge monitor applications.

Two other Speakon connectors are included on the back plate. In the Installation version, a cable gland with a 2-core cable for audio input ensures IP54 protection when it is used outdoors.

Joining existing L15 and L18 sub bass cabinets in the P+ Series, the new L20 uses a 20-inch long-excursion driver, achieving an SPL of 141dB Peak and extending LF response down to 28Hz. NEXO NXAMPMK2 or DTD/ DTDAMP deliver tailored power and processing solutions, combining multi-channel, high powered, networkable amplification with sophisticated loudspeaker control and protection. Linear phase presets included for P+ cabinets in both vertical and horizontal configuration – and for the full range of NEXO cabinets – make it quick and easy to configure a 'Plug & Play' solution for any system.

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



Click the link to find more information at www.nexo-sa.com

AVL TIMES PRODUCTS

Robe FORTE Fresnel and FORTE PC



Robe's FORTE[®] Fresnel and PC washes also utilise the brand's revolutionary TRANSFERABLE ENGINE technology and this maintains super bright light quality over time, combined with an innovation-packed high-output wash luminaire.

Both products deliver powerful, intense washes without losing any theatrical subtlety or control, featuring either the classically soft fresnel beam or the slightly more defined PC beam, they are great for any performance space and application.

The wide-ranging zoom from 6°-61°(Fresnel) and 5.5°- 62° (PC) offers complete even coverage making the FORTE[®] Fresnel comparable to a traditional 2.5 KW fresnel luminaire.

The new Robe TE[™] 1.000W XP (Xtra Performance) White 6.700 K LED Transferable Engine generates an incredible 90.200 lumens to ensure high output for those BIG bold statement washes. Both models output over 41.000 lumens from the front of the fixture, offering amazing power and exceptional beam quality.

These revolutionary self-referencing, data-capturing engines are easily changed within five minutes, and are designed, manufactured (and patented) by Robe. The L70/B50 ratings of 50.000 hours and a 4-Year, 20.000hour warranty assure longevity and continuity.

The CMY colour mixing system provides buttery smooth colour transitions from the subtlest pastels to the strongest saturates, continuing Robe's reputation for exceptional colour mixing. Two colour wheels, CRI 80 and 90 filters, plus a variable CTO from 3.000 - 6.700 K ensure there is a full range of colour finesse. . The FORTE® Fresnel has unsurpassed levels of beam control, including medium and light frosts; RotaScrim™ a graduated filter system with position control, +/- 180° rotation and edge colour correction; and the rapid 4Door™ internal barndoor system for accurate individual blade control and +/- 90° module rotation. This gives maximum flexibility compared to most other large fresnel luminaires





Click the link to find more information at www.robe.cz

Clear-Com to showcase new intercom

Clear-Com[®] will exhibit at the AES convention in New York this October 25-27 at Booth #931 on an exhibition floor shared with the NAB New York show. The company will demonstrate intercom solutions for both broadcast and live markets; notably, this will be the U.S. debut of the latest update to the award-winning Arcadia® Central Station that includes IP interface connectivity and a capacity increase of up to 285 connections, including up to 64 FreeSpeak beltpacks. Also highlighted will be innovative features of their flagship Eclipse[®] HX Digital Matrix Intercom System, including Dynam-EC[™] real-time production software, industry-leading role-based workflows, and the new 2X10 Touch™ desktop touchscreen panel.

The latest update to Arcadia introduces I.V. Direct[™], an IP interfacing feature that connects Arcadia and the LQ[®] Series of IP Interfaces, Eclipse (via E-IPA card), and other Arcadia systems over LAN, WAN, or Internet. The update will also provide a substantial increase in capacity for FreeSpeak[®] beltpacks, transceivers, and HelixNet[®] endpoints, making Arcadia the most powerful 1RU intercom device on the market with support for 285 input/output connections on a single system.

Also available for demonstration will be the HXII-DPL Powerline device, an IP interface that delivers power and digital audio from Arcadia to HelixNet[®] Digital Network systems.

Today's demanding production workflows require tremendous flexibility, efficiency, and agility. Dynam-EC is a powerful and intuitive software tool that allows operators to quickly switch all audio input and outputs, audio mapping, IFBs, and partylines at the touch of a button. Clear-Com's virtual clients, the Agent-IC mobile app and Station-IC desktop app,



REST



have established themselves as some of the most reliable tools for remote and hybrid productions. New features introduced in EHX 13.1, including the implementation of role-based workflows and support for NMOS 4 and 5, facilitate many of the needs of broadcast applications for large-scale events such as the World Cup or other global sporting events. While Clear-Com will officially exhibit on the AES roster, the company invites guests of the NAB show to visit their booth as well. "We look forward to this opportunity to meet with our contacts in both the broadcast and live events markets," says Michael Rucker, Director of Sales for North and South America. "We pride ourselves on offering a solution for almost any application."





LD Systems presents new MON G3 Series of stage monitors



LD Systems presents its new MON G3 Series. This third generation of active stage monitors has been completely redesigned, both technically and visually, and offers discerning musicians, bands, DJs and event technology service providers the ideal mix of robustness, versatility and fullrange sound quality. With their coaxial speaker design, integrated DSP functions and versatile connection options, the MON G3 units can be integrated extremely flexibly into different stage setups - whether it is as a classic monitor at the edge of the stage, as a specific monitoring solution for DJs, entertainers and speakers, or as a PA speaker on a stand. The MON G3 Series includes four models in the sizes 8", 10", 12" and 15".

In the development of the new MON G3 Series, LD Systems was guided by the features and functions of highpriced stage monitors that are used at large events and on tours. Thus, the MON G3 models are based on a newly developed combination of woofer and titanium tweeter in a compact coaxial



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

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

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

The MON G3 Series offers a modern design that has been redesigned from the ground up. All connections, controls and carrying handles are located on the sides of the enclosure, which not only





facilitates access on stage, but also protects against knocks and accidental adjustments due to the recessed arrangement. The MON G3 Series is rounded off by a robust polyurea coating, a sturdy speaker grille and a 36 mm flange on the side for vertical use as a PA speaker on a speaker stand. For the latter, all MON G3 models offer a standalone full-range mode as a selectable DSP preset.

www.adamhall.com www.ld-systems.com

Claypaky AROLLA AQUA





The Arolla Aqua is Claypaky's top-of-the-range weather-resistant light. It is a true workhorse with IP66 rating and technical and construction features which were once unimaginable for this kind of light. Claypaky's R&D department's challenge was principally to design a high-power, high-brightness fixture with top-level performance while at the same time limiting its weight and size. The Arolla Aqua's dimensions are indeed remarkable: less than 750 mm in height and only 38.5 kg in weight, thus enabling fast pan and tilt movements. The Arolla Aqua fits a white 900 W (7000 K) LED light source, capable of a 40,000-lumen output. This means it can compete with both high-power-range lights (given its output) and medium-powerrange lights (given its small size and weight). Its uniform light beam is another key feature. The high quality of the beam, its density, and the total absence of spurious lights can be appreciated with the naked eye, and its zoom can be adjusted over a linear 5.5°-50° range (9:1). The Arolla Aqua boasts an effects section consisting of two gobo wheels (one of which rotating) with very high-definition dichroic glass gobos; an innovative animation wheel which brings out some of the most typical effects of this feature, a four-sided prism, a 16-blade motorized iris, a framing system on four focal planes with rotation between +/- 60°, and a separate macro control channel. Thanks to our exclusive "Go-Bright" technology, there is no light loss or colour shift when gobos are inserted into the beam. The gobos can be swapped and morphed with each other and the animation wheel to create new, exciting textures. claypaky.com



Laserworld RTI ANGO 600

The most powerful RGB white light laser show system with moveable beam, the RTI ANGO 600, gets an important feature upgrade to improve transportability and flexibility of use. The 2023 version of the unit comes as split version, meaning that the AC unit can be split from the actual laser device, being just connected by the two hoses for the cooling liquid. This also applies to its little brother, the RTI ANGO 300. The RTI ANGO 600 is an extremely powerful laser system with a special beam deflection that allows for pan and tilt movement of the 600 W laser beam with a special mirror. The beam has a diameter of only 10 cm, so is extremely focused for the power. Due to the impressively low divergence of about 1 mrad it is designed to maintain the laser power over long distance. With ultra high power laser systems the major challenge usually is to achieve a good white balance and especially have a sufficient portion of red. The RTI ANGO 600 has 200W of bright red, 170 W of green and 280W of royal blue, so it mixes white very well plus has significant visibility due to the enormous amount of green. The RTI ANGO laser systems can be controlled with DMX and ArtNet, so no special requirements are given. laserworld.com





MEGA-LITE Baby Color Q70 IR

Introducing the Baby Color Q70 IR, the ultimate color-changing fixture designed to transform any space into a vibrant and captivating environment. Powered by seven 10W RGBW LEDs, this compact powerhouse delivers an impressive output that rivals larger fixtures. With its ability to produce a wide range of colors, including delicate pastel shades, the Baby Color Q70 IR lets you unleash your creativity like never before. Equipped with a 16° beam angle, this fixture provides precise and focused lighting. But that's not all - we've also included a diffuser that increases the beam angle to 25°, giving you even more flexibility in shaping your lighting design. Control the Baby Color Q70 IR with the included IR Remote, simply point and click to set your desired lighting commands. The remote controller works seamlessly with the diffusion cover, allowing you to adjust your lighting while facing the LEDs in front of the fixture. Weighing just five pounds, the Baby Color Q70 IR is built for both touring and permanent installations. Its durable construction ensures reliability wherever you take it. Don't settle for ordinary lighting when you can have extraordinary results with the Baby Color Q70 IR. Elevate your space and captivate your audience with this versatile and powerful colorchanging fixture.



mega.lighting

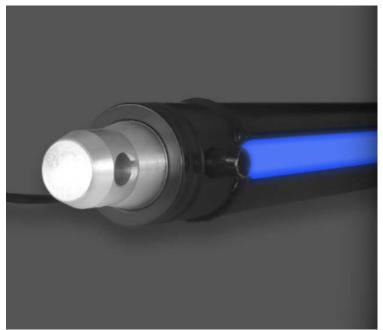
MEGA-LITE Light Pipe

~

With a range of sizes available, the Light Pipe offers versatility without compromising on simplicity. The Light Pipe allows you to reimagine any structural design with the pipe that glows! This unit is constructed using high-quality metal anodized and powder coated in black, ensuring durability and longevity. Its robust design guarantees reliable performance in various environments. Designed to deliver bright and vibrant lighting, the Light Pipe series is equipped with the TetraColor system, a four color system using RGB and a Warm White. The 3000Kelvin color temperature provides flexibility in creating a warm ambiance.

- TETRA COLOR (RED, GREEN, BLUE & WARM WHITE) MIXING
- STRUCTURAL PIPE
- ADJUSTABLE CONNECTOR UP TO 5 INCHES
- TETRA COLOR (RED, GREEN, BLUE & WARM WHITE) MIXING
- RATED IP65 FOR INDOOR & OUTDOOR APPLICATIONS
- 3000K WARM WHITE COLOR TEMP
- INCLUDES PINS AND CLIPS
- COMPATIBLE WITH DIFFERENT DECO DRIVERS FOR POWER & CONTROL
- COMPATIBLE WITH ALL LIGHT PIPE DRIVERS

mega.lighting



Vari-Lite ZerOS update



Vari-Lite, industry pioneers in moving head lighting control and a Signify entertainment lighting brand, today announced the ZerOS 7.14 update for FLX Series consoles. The update includes support for Open Sound Control (OSC), RS485-based Vision.Net and DMX Input. The OSC input support in ZerOS 7.14 allows ZerOS-based consoles like the FLX Console, FLX S Series, and ZerOS Server to receive OSC commands from other devices and software that support the popular third-party control protocol. The update allows users to integrate their lighting control into OSC-controlled systems for architainment, theme parks and automated theatre applications. "Support for industry standards such as OSC, GDTF and CITP is part of Vari-Lite's sustainability strategy," explains Hole, "ensuring our



products work with more devices for longer periods, reducing waste." Vari-Lite is also expanding its support for the Vision.Net platform within ZerOS, adding RS485 alongside its existing IP-based Vision.Net support. With support for Vision.Net RS485, users can utilize one of the FLX Series console's onboard DMX ports to receive Vision.Net commands from Vari-Lite Vision.Net Button Stations or Touchscreens. The addition of inbound DMX offers similar support for other DMX control devices in the system, such as stage manager stations. Both capabilities allow users to recall lighting cues or adjust the lighting remotely.

vari-lite.com



ADJ Hydro IP Tester for in-house maintenance of IP65-rated fixtures

ADJ is pleased to announce the availability of the new Hydro IP Tester. This dedicated mobile service tool is specifically designed to assess the integrity of compatible IP-rated lighting fixtures, including ADJ's Hydro Series of moving heads. The compact device is intended for use by competent technicians at production companies, dealers and rental houses who want to open and reseal the cases of IP-





rated fixtures in order to carry out tasks such as lamp or GOBO replacement and regular maintenance. The easily portable Hydro IP Tester is built into a rugged carry case, complete with a storage compartment for the supplied power lead and air hose. It can be used to test the integrity of an IP-rated fixture following routine maintenance by performing both pressure and vacuum tests. This procedure is essential after a sealed fixture's case has opened before it is again subject to wet, humid or dusty conditions. adj.com





AMX MUSE

AMX MUSE is 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 MUSE, due to be officially launched later in 2023, will provide a modern, standards-based option to the longstanding AMX NetLinx control platform. AMX MUSE Automation Controllers will provide unprecedented dedicated processing power and industrial memory and will be available with a large complement of standards-based control ports - or no ports at all. Additionally, NX Controllers will be receiving a refresh with similar hardware upgrades in late 2023.

AMX SVSI N4321D

www.amx.com

HARMAN Professional

in audio, video, lighting

announced its new AMX SVSI N4321D Audio Transceivers with Dante

Transceivers are ideal for

colleges and universities, casinos, convention and entertainment centers, or

corporate applications,

and control, today

and AES67. These



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-topoint 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. www.amx.com

RGBlink mini-mx



The all-new, all-in-one RGBlink mini-mx video mixer enables sophisticated, professional multi-source video productions from with video sources. Connect HDMI cameras, laptops and other digital sources, plus add background media images and lower thirds



overlays. Mix multiple audio sources into the output from embedded HDMI and insert external audio via mic, line and even Bluetooth audio. For total integrated control of a presentation, direct and preset almost any PTZ camera from on board mini-mx with dedicated hardware controls and the large, intuitive touch screen interface. Control up four separate cameras with pan, tilt, zoom and focus. rgblink.com





Cameo PIXBAR® G2 series



Cameo presents the PIXBAR G2 series. The second generation of LED bars is IP65 certified and therefore also suitable for outdoor use. With its combination of sophisticated design features, robust aluminium housing and diverse mounting options, the PIXBAR G2 series is aimed at customers from the rental, theatre and broadcast sectors who want to expand their lighting technology portfolio with particularly flexible lighting solutions. The PIXBAR G2 Series will be launched with the PIXBAR 600 IP G2 (RGBWAUV) and PIXBAR 400 IP G2 (RGBW). Versions with TW (Tunable White) and SMD LEDs have already been announced for October. Both PIXBAR G2 models feature 16 individually controllable LEDs. While the PIXBAR 400 IP G2 is equipped with 4-in-1 RGBW LEDs, the PIXBAR 600 IP G2 with its 6-in-1 RGBAUV LEDs expands the colour space to include amber and UV light. The beam angle of 24° (PIXBAR 600 IP G2) or 25° (PIXBAR 400 IP G2) can be extended up to 70° using optional filters. The filters are mounted quickly, easily, securely and without tools via the insertion mechanism of the filter rail. For noise-sensitive use in theatres or TV studios, the PIXBAR G2 series has a fanless cooling design for low-noise operation.

www.cameolight.com

