

# STATE-OF-THE-ART TECHNOLOGY SET TO BE UNVEILED AT **PALM EXPO 2023**



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*From premium microphones to cutting-edge stage lighting fixtures, from superlative loudspeakers to ever-reliable cables and connectors – the trade show floor at PALM Expo 2023 promises to bring into spotlight the cream-of-the-crop products from the pro audio and lighting industry. PALM + AV-ICN offers a glimpse into what this edition of India’s biggest stage sound, professional lighting, rigging, and trussing trade show has to offer to its visitors.*

It speaks volumes when an expo is more than two decades old, and with every passing year, the trade show floor continues to be populated with newer, better, smarter technologies. As PALM Expo enters its 21st year, the

show promises to acquaint its visitors with avant-garde technological innovations from the world of pro audio, lighting, and rigging. The trailblazing show, with new and returning exhibitors en masse, multiplied technolog-

ical marvels, and a massive footfall of visitors, is set to return from 25-27 May, 2023 at Bombay Exhibition Centre (BEC), Mumbai. With 200+ exhibitors highlighting a wide range of products and innovations from 500+ brands at the

expo floor, this article enlists a plethora of product categories from the world of pro audio, lighting, rigging, and trussing that the visitors can expect to witness at the Expo this year.

## CABLES AND CONNECTORS

Cables and connectors are crucial to audio networking. The most fundamental components that help create and transmit sound from point A to point B, cables and connectors come in many forms and functions – microphone cables, coaxial cables, optical audio cables, twisted-pair cables, fibre optic cables, ethernet cable connectors, coaxial cable connectors, fibre optic cable connects, and more. At PALM Expo 2023, several companies such as **ORBISfx, Sound Land, Aeronis India Exim, Pink Noise Professionals, Furtados Music India, Krystal Cables India, Ansata Computer Systems, Krishna Electronics, Telespace Networks, and Ati Pro Technologies** will be highlighting the latest developments in the category of cables and connectors.



## DJ GEAR

In the world of DJing, the end goal is to deliver an adrenaline rush to the listeners and get their feet tapping to the music. To accomplish that, rich, superior quality sound, sophisticated mixing technologies, and sturdy audio equipment is an absolute essential. Products such as DJ players, DJ mixers, DJ controllers, DJ turntables, DJ speakers, DJ headphones, and more are what elevates a DJ’s performance from ground-zero to sky-high. Various DJ-focused companies such as **SoundGlitz, Sound Waves Enterprises, Narain Audio and Lighting, Paras Audio, Furtados Music India, Ati Pro Technologies, Paras Electronics**, and more are set to showcase their DJ equipment at the PALM Expo 2023.



## HEADPHONES

Headphones – from live sound to recording sound, from stage to studio, from DJs to professional singers to recording artists – headphones are a must-have pro audio equipment. Be it wired headphones, wireless headphones, noise cancelling headphones, bone-conduction headphones, closed back headphones, open back headphones, semi-open back headphones, in-ear headphones, or over-the-ear headphones – the list for the plethora of headphones available in the pro audio market today is endless. At PALM Expo 2023, the newest range of headphones from the above-mentioned categories are going to be on display from major exhibitors such as **SoundGlitz, Furtados Music India, Numark Audio, and Sun Infonet**.



## SUBWOOFERS

No pro sound system is complete without a subwoofer. Be it in live performances or in a recording studio, subwoofers produce low or narrow frequencies to deliver a higher bass and offer superlative quality sound to the listeners. For different applications, different kinds of subwoofers are used – active subwoofers, passive subwoofers, bandpass subwoofers, horn-loaded subwoofers, enclosed subwoofer, down firing subwoofers, ported subwoofers, two separate chambers, and more. AHUJA Radios will bring SWX-1010, a strong and rugged high power subwoofer system at the PALM EXPO 2023. It features a single heart thumping 18" transducer with 2000W program power, housed in an attractive painted plywood cabinet, which is meticulously engineered to deliver superior bass response. Various renowned exhibitors such as **M/s. Kunzar, JD Enterprises, Celto Acoustique, Pinto Electronics, Italian Sound Design, Aerons India Exim,** and **Sun Infonet** will be displaying subwoofers from the above-mentioned categories at the expo.



## STAGE & STUDIO MONITORS

On-stage and studio monitors are quintessential when it comes to good sound systems. A great monitoring system helps the singers on stage hear their own voice with clarity. There are a wide range of stage and studio monitors available in the pro audio segment – passive stage monitors, powered stage monitors, side fill monitors, stand-mounted monitors, studio monitors, and several more. At PALM Expo, discover the newest stage and studio monitors from brands such as **Sun Infonet, Stagemix Technologies, Furtados Music India,** and **Italian Sound Design.**



## WALKIE TALKIES

A walkie talkie can offer certain benefits that a phone cannot – it can offer greater network coverage, allowing users to stay in touch even in the remotest corners of the world. For live events, outdoor events, film shoots, and more applications where remote communication is a necessity, a walkie-talkie is the product of choice in terms of usability and reliability. At PALM Expo 2023, explore a wide range of walkie-talkies from **Micromap Electronic Systems**, which is all set to display **Tokimo Rio + Japan Walkie Talkie and Tokimo Rio Japan Walkie Talkie**, a series of professional FM Transceivers that keeps the users interconnected and allows them to work without any interruption. The Tokimo Walkie Talkie series deliver in terms of range, service, support, audio quality, and performance. Designed to withstand the harshest weather conditions, the Tokimo Walkie Talkie series is an ideal option to carry on rough roads as well. On display is also **Convey C1 Pro Walkie Talkie, Convey C1 Walkie Talkie** and **Convey C1 Plus Walkie Talkie**, the smallest and the lightest two-way radio with dual PPT feature.



## MIXING CONSOLES

Also known as audio mixers, mixing consoles serve a very important function – receive audio signals from the microphones and various musical instruments, allow the user to tweak the same, and transmit it to the speakers. There are two types of mixing consoles based on two types of applications – live mixing console for live sound applications and studio mixing consoles for recording sound applications. But in these two categories, there are three types of mixing consoles – analog mixing consoles, powered analog mixing consoles, and digital mixing consoles. Sonotone, one of the oldest exhibitors at the show, will be displaying the **Onyx 24** from **Mackie**, which is a premium 24-channel USB mixer incredible sound and a powerful digital FX engine for professional multitrack recording and live sound applications. Other exhibitors exhibiting mixing consoles at the expo are **Ansata Computer Systems** and **Ati Pro Technologies.**



## LIGHTING CONSOLES

Lighting consoles are pro lighting equipment that control the way the light emanating from a light fixture moves. Coming in different shapes and sizes, the smallest lighting console can fit into a palm while the biggest lighting console can take a sizeable amount of manpower to move it from one point to the other. Usually speaking, lighting consoles that can be divided into two categories – conventional lighting consoles and moving lighting consoles. Explore these lighting consoles at PALM Expo 2023, as reputed brands such as **Canara Lighting Industries, Candescant Lighting, Delhi Light and Music Center, PLS Instrument, Leksa Lighting, Premier Industrial Importers, Devil Truss, LBT Electronics, and Krishna LED Lighting Semiconductors.**

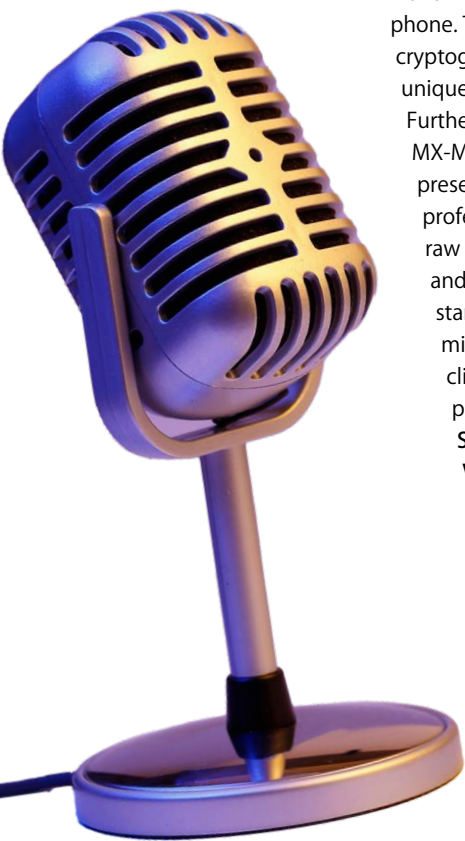


## MICROPHONES

Microphones are designed to entertain the listeners with augmented sound waves. With PALM EXPO 2023, exhibitors strive to qualify the tasteful demands with the latest audio series and product features in the annual show. Products like G2 Series, DynaTech

by Sonotone will surely swing the moods with an easy to install wireless microphone. This model adopts intelligent cryptographic hardware to achieve unique sound and RF performance.

Furthermore, wireless microphone by MX-MDR Technologies will also be presented in the EXPO, designed by professionals with supreme quality raw material, advanced technology and equipment, ensuring highest standards of safety and keeping in mind the exact requirements of the clients. Exhibitors featuring this product include **Pro Tech Audio, Sun Infonet Private Limited, Vardhaman Megatech Pvt Ltd, Sonotone Audio LLP, T AudioStar Sound Systems, Ahuja Radios, Capital Radio Company, Paras Audio, Star Audio Systems, Pink Noise Professionals Pvt Ltd, Furtados Music India Pvt Ltd, Numark Audio, Ansata Computer Systems Pvt Ltd, Pinto Electronics, and Italian Sound Design (I) Pvt Ltd.**



## STAGE LIGHTING

The right kind of stage lighting can transform a dull space into a visually breath-taking ambience. In the pro lighting world, there are various kinds of stage lighting fixtures – ellipsoidal reflector spotlight, followspot spotlight, Fresnel lighting fixtures, PAR can lights, floodlight fixtures, Cyc lights, strip lights, and more. At PALM Expo 2023, discover the crème de la crème of stage lighting through exhibitors such as **LBT Electronics, Evershine Stage Lights and Equipments, Candescant Lighting, Delhi Light and Music Center, Ibra Energy India, Big Deeper Industries, Ati Pro Technologies, Anoralux Corp, and Leksa Lighting.**



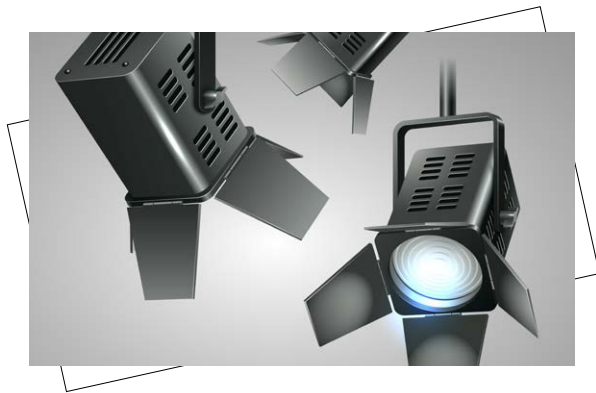
## SPEAKERS

An artist never compromises with the taste of sound. To set the chords right for the listener, a bass speaker surrounds them with high-quality audio resistance on the go. The EXPO will cover many products including active speakers, passive speakers, loudspeakers, cinema speakers, pro audio speakers, cabinet speakers, line source speakers, portable speakers, DJ speakers, and many more. This EXPO will bring products with an ultimate performance like the boomy speakers Kontrol One/Kontrol One(LMT) by **MX-MDR Technologies**. It is a professional two-way compact high-performance loudspeaker system incorporating monitor-grade. **Beta Three Audio** also steps ahead with its product, N10F, defining a 10" two-way full range plastic waterproof speaker designed for various places with high requirements on durability and portability. With good wear resistance and excellent sound quality, the N10F is a multi-function speaker designed according to the IP56 international waterproof level standard. **AHUJA Radios' SPX-710** is a dual 12" high power and compact 2-way loudspeaker system will also be on display with an attractive painted plywood cabinet that combines with new refreshing design to offer balanced sound reproduction with exceptional efficiency. Exhibitors featuring this product include **Pro Tech Audio, Aeron India Exim Pvt Ltd, Sonotone Audio LLP, Vardhaman Megatech Pvt Ltd, T AudioStar Sound Systems, Mega India, Ahuja Radios, Narain Audio and Lighting LLP, Dass & Company, M/s. Kunzar, Capital Radio Company, Paras Audio, JD Enterprises, Celto Acoustique LLP, Star Audio Systems, Audio Logic, Pink Noise Professionals Pvt Ltd, Furtados Music India Pvt Ltd, Ati Pro Technologies, Numark Audio, Ansata Computer Systems Pvt Ltd, Pinto Electronics, Italian Sound Design (I) Pvt Ltd, and Max Effect Professional Sound Systems and Light.**



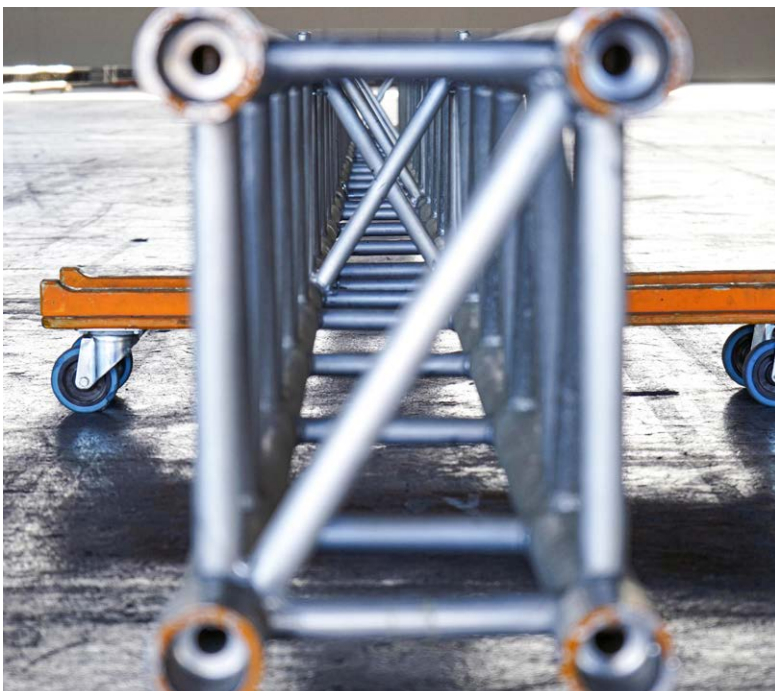
## LED LIGHTS

The best lighting solutions help the world capture the best joys. LED Lights add a charm to any stage or corporate event with the flash of soothing colours. With the event season down the pike, exhibitors of the PALM EXPO will feature their latest technologies including profile lights, LED bulb series, LED linear lights, downlights, streetlights, zoom lights, track lights, panel lights, string lights, laser lights, LED falling light bars, LED moving head lights, and more for the users' conventional needs. Exhibitors featuring this product include **Leksa Lighting Technologies Pvt Ltd, Krishna LED Lighting Semiconductors, Canara Lighting Industries Pvt Ltd, Leksa Lighting Technologies Pvt Ltd, Ibra Energy India Pvt Ltd, Cine Audio Viso Equipments, Neo-Neon Lighting & Designs Pvt Ltd, Big Deeper Industries LLP, PLS Instrument Pvt Ltd, DI Impex, and Anoralux Corp.**



## TRUSS

What's better than having a good vantage point of a riveting event or concert. Trusses are built to ensure a perfect roofing and staging during an event through comprehension and management of the changing tension of the stage structure. Some types of trusses like aluminium truss, lighting truss, stage truss, truss accessories, roof truss, truss architecture, and more provide quality features to decorate the idea of any stage, roof, or tower and intermediate support. Exhibitors featuring this product include **Devil Truss, Shiv Industries, LBT Electronics Pvt Ltd, Aulakh Stage Lighting Truss, Candescent Lighting Pvt Ltd, and Sound Land.**



## SWITCHES AND MATRICES

Switches and matrices are an essential component of the systems' programming where all the audio-visual information packets are sent as signals through these switches. Therefore, considering the best switches and matrices is one of the most crucial things to get the best outputs in the audio world. This EXPO holds interest in serving the visitors with the finest providers of switchgear from India. Exhibitors featuring this product include **MX-MDR Technologies Ltd, Newtech Video Systems Pvt Ltd, DI Impex, Comcon Technologies Ltd, and Gigatronics India Pvt Ltd.**



## PA SYSTEMS

PA systems or Public Address Systems are installed in an event to break down the tangential possibilities of a musical interference. It means that a PA system qualifies the process of sound into music through its system components like speakers, amplifiers, subwoofers, monitors, effects, and other sound sources. No event can start without a PA system and an engineer to handle the source. Therefore, this EXPO features portable PA systems and more to get the clients expectations higher. Exhibitors featuring this product include **Mega India, Greenfield technologies, Leksa Lighting Technologies Pvt Ltd, and Canara Lighting Industries Pvt Ltd.**



## AMPLIFIERS

Amplifying the sound to boost musical interests, an amplifier is capable of setting speaker level signals for a loudspeaker's dynamic performance. Many amplifiers like power amplifiers, mixer amplifiers, and PA amplifiers set the audio power waves to bring out the most amusing show. The EXPO will feature **V Series, DynaTech by Sonotone**, the New Dynatech power amplifiers that deliver 700 Watts to 5720 Watts of power in two to three rack spaces. **MX Conference System by MX-MDR Technologies** will also run the show with its combined elegant aesthetics with clear, highly intelligible sound, while minimizing acoustic feedback. The system is ideal for use in conference rooms as well as convention centers. **DT Series Class D Amplifier by Beta Three Audio** will be available in eight different models, ranging from 2 to 4 channels. It features efficient zero temperature control, which ensures stable operation even in extreme temperature conditions. Exhibitors featuring this product include **Aerons India Exim Pvt Ltd, Vardhaman Megatech Pvt Ltd, Sonotone Audio LLP, T AudioStar Sound Systems, Mega India, Ahuja Radios, Narain Audio and Lighting LLP, Capital Radio Company, Cresurge Pvt Ltd, Paras Audio, JD Enterprises, Celto Acoustique LLP, Pink Noise Professionals Pvt Ltd, Furtados Music India Pvt Ltd, Pinto Electronics, Italian Sound Design (I) Pvt Ltd, Max Effect Professional Sound Systems and Light, and Gigatronics India Pvt Ltd.**



## LINE ARRAY SYSTEMS

The EXPO provides the best-in-class products and features for the most pleasant and entertaining events, concerts, or even a lounging day. With emphasis on all its fascinating products, **Beta Three Audio** brings TLA-121 line array systems to showcase a new way of dealing with live sounds. This dual 12" 2-way line array speaker is utilized in applications including sound reinforcement for events, theme parks, multifunctional auditoriums, schools, and more. It is excellent for live show and rental applications. Exhibitors featuring this product include **Aerons India Exim Pvt Ltd, Sun Infonet Private Limited, Sonotone Audio LLP, T Audio-Star Sound Systems, Wave Audio Professional, Beta Three Audio India Private Limited, Star Audio Systems, and Delhi Light & Music Center.**



## MIXERS

Boosting the participation of the sound team, an audio-mixer device enhances sound quality by monitoring, combining, and processing audio. With the best recording solutions from 2023, **Sonotone** will bring **Onyx 24, Mackie** as a new centerpiece of studio or live rig. The Mackie Onyx24 is a premium 24-channel USB mixer for professional multitrack recording and live sound applications. With incredible sound and a powerful digital FX engine, one can have the ultimate solution at fingertips. Exhibitors featuring this product include **Aerons India Exim Pvt Ltd, Sun Infonet Private Limited, Vardhaman Megatech Pvt Ltd, Sonotone Audio LLP, Sound Waves Enterprises, Paras Audio, JD Enterprises, Furtados Music India Pvt Ltd, Ati Pro Technologies, Numark Audio, and Ansata Computer Systems Pvt Ltd.**



## RIGGING SYSTEMS

Creating a story out of lights, rigging systems are the ideal hosts to the lighting systems. The devices are meant to touch the basic staging and scene integrations like opening and closing of curtains, performing flying stunts, and more. Rigging systems include manual and automated operating systems that assist the sound engineers master the art of fabrication. **D8 Epical 1000kg** by **Liftek**, one of the exhibitors in EXPO 2023 will also be displayed as a rigging and touring product. The D8 Epical 1000kg has a heavy-duty brake with a maintenance-free design, which allows it to be operated in normal or climbing position. Users can choose among two different products as the other one is customized with two brakes. Exhibitors featuring this product include **Leksa Lighting Technologies Pvt Ltd, and Canara Lighting Industries Pvt Ltd.**



*The above info is at the time of going to press.*