

## PALM 2017 to welcome 25,000 visitors across 27,000 sqm exhibit area, 10 highlight pro features

### Robust growth in Pro Sound & Light distribution

The entertainment event industry has seen phenomenal growth in the last decade with music festivals becoming a youth culture. This has led to the biggest international artists performing to packed houses across the length and breadth of the country. And it's not just EDM stars like Armin Van Burren and David Guetta, who have become regulars on the festival circuits. India is also now on the radar of

the biggest international sensations like Justin Bieber and Coldplay.

The demanding concert riders of these international artists has made it obligatory for rental companies and suppliers to invest in state-of-the-art equipment and has led to an improved industry setup. The PALM expo, on its part has consistently evolved in tandem with the dynamic growth and expansion of the pro sound and light market and presented infinite opportunities for trade and brand reinforcement.

PALM Expo now in its 17th edition, has once again propelled the industry and encouraged the connection between manufacturers, distributors, dealers and end users. Manufacturers and distributors will launch their latest products to an informed and knowledgeable gathering of delegate and visitors.

The very latest technology will be showcased by 500+ brands for use in live stage shows, entertainment and corporate events, installations in venues like nightclubs/pubs/lounges, houses of worship, broadcast and AV, leisure attractions, etc. Over 200 exhibitors will showcase state-of-the-art pro audio, lighting, installation and rigging technology at the show.

"PALM is witness to India's robust consumption of audio install and stage rental business attracting distributors of many international brands entering India on the wave of aggression in pro audio distribution.



**Dealers, distributors, manufacturers, systems integrators and professionals attend PALM from across the country to increase business and knowledge**

The redeeming factor is brands are willing to compete in a price sensitive market on technology and design against established market leaders. PALM fulfils its mantra and karma in providing a neutral platform acknowledged and reputed for delivering business to all who come on the exhibit floor," says Anil Chopra – PALM Director.

The show continues to grow year on year. Companies will showcase cutting edge technology on the expo floor and this year PALM has also focused on inviting more

(Continued on page 26)

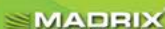
#### event venues

- ✦ **PALM Expo 2017 - Hall 1**  
Pro Audio, Studio Recording, Installed Sound, PA Systems, Microphones, Music Production & Broadcast, AV Technology
- ✦ **PALM Expo - Hall 5**  
Truss/Rigging, Stage Technology, Stage Machinery, Stage Lighting, Laser & Effects, DJ Gear
- ✦ **Yamaha Music India - Hall 2B & 2C**
- ✦ **PALM Conference & Seminar - Hall 1 International Lounge, Mezzanine**
- ✦ **PALM Soundscape & DJ Championship Hall 4 - VIP Parking Area**
- ✦ **IRAA Awards - Hall 4 - VIP Parking Area** (3<sup>rd</sup> June 2017, 4 p.m. onwards)
- ✦ **HARMAN Live Arena - Hall 6**
- ✦ **Open Air Line Array Demo Ground 1 - Visitor Parking**



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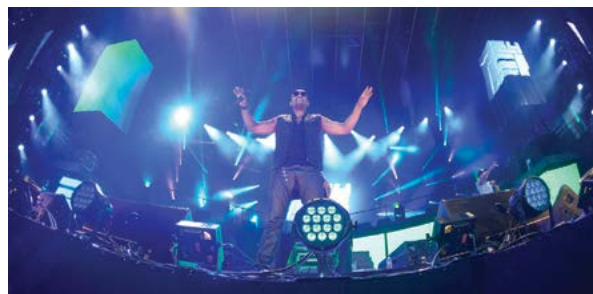


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Date: 20<sup>th</sup> April 2017

To,

Mr. Ramesh Chetwani  
ABEC Exhibitions & Conferences Pvt. Ltd  
Bombay Exhibition Centre  
Goregaon (East)  
Mumbai

Respected Sir,

Bhagirath Palace Electronics Traders Association is glad to announce its support to the **PALM Expo 2017** for the pro audio, live sound, AV install and laser & lighting segment.

We are proud to be associated with PALM Expo being held since the last 16 years, the show has been a great medium to nurture and grow professional audio knowledge and expertise, in growing the investments in Live Sound, through its platform that attracts various technical visitors to the show, thus generating business for the trade.

Thanking you  
Yours Sincerely,  
For Bhagirath Palace Electronics Traders Association

Sudhir Sharma  
General Secretary

For Bhagirath Palace Electronic Traders Asso.

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From Concept to Completion



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email : info@esai.in

Date: 10<sup>th</sup> April 2017

To,

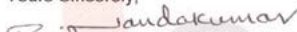
Mr. Ramesh Chetwani  
ABEC Exhibitions & Conferences Pvt. Ltd  
Bombay Exhibition Centre  
Goregaon (East)  
Mumbai

Respected Sir,

The Electronic Security Association of India is glad to announce its support to the **PALM Expo 2017**.

We wish ABEC Exhibitions & Conferences Pvt. Ltd. all the very best for its grand success this year.

Thanking you  
Yours Sincerely,



For ESAI



**Manish Gandhi**  
**Director & Chief Operating Officer**  
**ABEC | ITE**

On behalf of Asian Business and Conferences, I would firstly like to extend a very warm welcome to our esteemed exhibitors and distinguished guests, delegates and visitors, present here for the 17th edition of the PALM expo - India's only tradeshow for the global pro audio and lighting fraternity.

ABEC is known for its great ensemble of shows across diverse

sectors which include Building & Infrastructure, Oil, Gas & Energy, Travel & Tourism, Security & Protection, Real Estate, Lifestyle and Health & Fitness. The PALM expo, which we added to our vast and diversified exhibition portfolio two years ago, is today an important feather in our cap which we are proud of. PALM certainly adds a new dimension to ABEC as a leading exhibition organizer in India.

PALM moves on from strength to strength in its 17th consecutive year at Mumbai's BEC attracting visitors from across India and abroad. Today we have all gathered here to share a common vision - a vision for the overall growth and progression of the entertainment events industry in terms of technology and solutions. Over 200 of the industry's leading local distributors and international brands will unveil at the PALM expo, state-of-the-art technology from over 500+ participating brands.

It is gratifying to note that the agenda for the three-day event also covers a wide range of very interesting and exclusive content features such as the PALM Conference & Seminar Programme, PALM

Soundscape, PALM DJ Championship and the IRAA and PALM Sound & Light awards - to name just a few, in tandem with exhibit features such the Open Air Line Array Demo, HARMAN Live Arena and the PALM Demo Qubes.

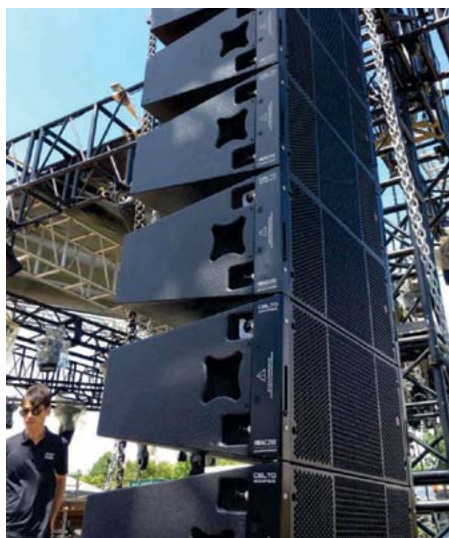
With the market energy on an upward trajectory and the organizer's commitment and shared vision to constantly push the envelope of achieving something truly magnificent for the Indian pro sound & lighting industry, the PALM expo will continue to grow in its future editions. We take our role very seriously in leading the expo forward with direction and business opportunities that can add up and we will leave no stones unturned to ensure a great ROI for our exhibitors.

Today is just one of many more such gatherings and hopefully we will all continue to forge important relationships, on this important platform, year on year. ABEC on its part will continue to explore new vistas while bestowing excellence from concept to completion.

Cheers to a successful show!

## AG Acoustics to display Celto Acoustique's IWAC Series

**AG Acoustics**, Indian distributor for Celto Acoustique will be showcasing the manufacturer's **IWAC series** Line Array Speakers at its booth. IWAC system has tremendous dynamic ability, offering a superior SPL to size ratio. The newly developed 18" neodymium driver offers an accurate reproduction of macro dynamic signals. Reportedly very few subwoofers can blend punch, depth and physical bass like IWAC118S. Its 10" neodymium driver reflects



efficiency and clarity. In combination with the acclaimed Celto Acoustique HFDN72 high frequency transducer, IWAC210 can handle large events with ease.

IWAC rigging system offers flexibility and without any additional hardware, the IWAC210 can be rigged on top or under the IWAC118S. In ground stack setup, the IWAC210 can be aimed up or down for near to mid field usage. Moreover the rigging being fully integrated, the risk to loose hardware like cables or push-pins is history.

Attracting attention to their booth will also be the **iFIX Series**. It is an ultra compact series for installation consisting of the iFIX8 and iFIX13S. Both iFIX8



and iFIX13S are an ideal fit for nearly all demanding installations, from conference centers to jazz and music bars. The whole range is available as standard in white, black and wood finish. Also all RAL colors are available on demand to ensure the best possible integration to the decoration.

The **VCM Series** by Celto Acoustique is a compact and low profile coaxial monitor.



The series executes FOH, monitor, side fill and surround along with superior voice presence through the mix and



Neodymium Coaxial for conical directivity.

Also on display will be

their **CT Series**, full range loudspeakers optimized for smooth reproduction in and out of axis, useable without DSP or any EQ.

**Hall 1 - C47.**



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To,  
Mr. Ramesh Chetwani  
ABEC Exhibitions & Conferences Pvt. Ltd.  
Mumbai

Date: 21.04.2017

Respected Sir,

The All India Radio & Electronics Association (WZ) – AIREA is glad to announce its support to the PALM Expo 2017 for the Professional Audio, Live Sound, AV Install, and Laser & Lighting segment.


The AIREA is indeed proud to be associated with PALM EXPO being held since the last 16 years, the PALM EXPO has been a great medium to nurture and grow professional audio knowledge and expertise, in growing the investments in Live Sound, through its platform that attracts various technical people to the show, thus generating business for the trade.

PALM Expo is a platform that brings together the entire trade and thousands of musicians from all across the country. PALM Expo has been instrumental in creating a networking opportunity in the trade of Professional Audio Products which has various segments.

Thanking you

Yours Sincerely,

For All India Radio & Electronics Association (WZ) – AIREA

  
Javerchand Gala  
President

**AES**  
INDIA

Audio Engineering Society, India

To,  
Mr. Ramesh Chetwani,  
**PALM EXPO**  
ABEC Exhibitions & Conferences Pvt. Ltd  
Mumbai

January 19, 2017

Dear Sir,

The AUDIO ENGINEERING SOCIETY, INDIA, is glad to announce it's support to the PALM EXPO 2017 Exhibition & Conference for the professional audio, AV install, laser & lighting industry.

On behalf of AES India, I wish the PALM EXPO all the very best for a grand success this year.

Regards,



**Russell Corte-Real**  
Founding Chairman & Hon. Sec., AES India.

# Robust distribution introduces new brands and technology in pro sound and light market

*PALM Content creates pride and position for professionals establishing credible, reputed platforms with awards, conferences, championships*



**Anil Chopra,  
Director, PALM Expo**

Pro Sound and Light market continues to mature across India. Response to 17th PALM Expo is growing. More companies participate this year than ever before. More visitors are expected to attend in 2017 than in previous years. PALM Conference is expecting more delegates this year than ever before. PALM Soundscape featuring PALM DJ Championship has received more contestants this year than ever before. The PALM Conference has renowned speakers in a defining program. PALM Soundscape attracts leading speakers from the event industry. Spread across 27000 sqm PALM expects over 25000 trade visitors to engage 200+ exhibitors displaying 500+ brands over three days of business. PALM mantra 'we deliver business' is a constant focus in our marketing and development of features for both content and exhibit.

PALM has a very strong philosophy and belief in the assets it creates, their utility, and purpose, contribution to evolving the industry to high professionalism, greater talent, and better business. It is this sense of purpose that drives our features. The show is persistent in running the Conference, DJ Championship, and Soundscape.

If you check out People at PALM in the show mag you will know the best talent, expertise, professionals participate to share their worth with delegates attending from across the country. Truly fantastic gatherings each year proving beyond doubt PALM is the most important platform in Asia, and among the top three pro sound and light platforms in the world. I say this because Indian event industry is ramping up, attracting world's top acts and organizing among the world's top extravaganzas. Over the next three days top honchos and tech gurus in the event business are at the PALM where the buzz and magic of reunion and new equations are made. New Product and Technology impacting at PALM will impact Indian markets and business in the coming year. Thus exhibiting at PALM is critical in terms of the market contact and product recognition.

We expect 25,000 visitors over three days attending Exhibit Halls 1, 2, 5, 6, and open air exhibits of Line Array, the Demo Qubes and Live Arena. Lighting and Lasers in Hall 5, Yamaha in Hall 2, Harman in Hall 6 with the Stage sound and light in Live Arena, Sound Systems Demo Cubes on the VIP Parking ground and Visitor Parking Ground Line Arrays. The range of exhibits showcases over 500 brands and 200 companies, representing the best technology and product in sound and light, system engineering, and AV from USA, Europe, China and India.

This year we are hosting a Connect program for Broadcast industry - Connecting broadcast studios and video production houses to audio-for video sources at the show. Another feature is the Lighting Design Showcase in Hall 1. This brilliant feature attracts Lighting Designers to display their Art. Lighting Design Showcase once again fulfils in providing opportunity in building professional talent. Investing in PALM India expo is our firm intention; to continue the process to creating a productive platform to grow sound and light industry in India.

International companies participating

at PALM assuredly form partnership, establish distribution, consequently relying upon their Indian partners to showcase their brand. This is true for brands from Europe, USA and China. China participation is in equal strength in size as in 2016, though with leading brands present for the first time in 2017. PALM attracts and provides opportunity to the Indian market and global manufacturers.

## **IRAA AWARDS GATHERS SERIOUS TALENT HUNT BY FRATERNITY LEADERS**

11th IRAA – Indian Recording Arts Academy Awards, and 8th PALM Sound & Light Awards are highlights. I thank all professionals supporting these awards all these years and in the process investing pride, praise, privilege and position to the winners. I want to especially thank Pramod Chandorkar as Award Director. His singular leadership has galvanized the recording studio fraternity like never before.

I welcome and thank all media whose belief and support to PALM has always been exemplary and it is their promotion that brings to PALM all its energy and vibrancy. Media from Europe and UK as well China and India and USA deliver PALM'S Message to the pro sound and light community. PALM Show magazine is a must read, a block buster issue for visitors and trade; an important take away full of information and market reports and show directory. PALM Technology the show's own pro sound and light magazine has gained much support from industry and trade in India and worldwide and Kudos to the entire team that has put together a fantastic event. Above all kudos to the exhibitors supporting our vision and the tremendous energy they invest in building attractive displays.

# Superior Performances with Beyerdynamic

Showcasing innovation, German audio equipment manufacturer **beyerdynamic** will be presenting a new version of the TG 1000 digital wireless system at the Palm Expo 2017. This 24-bit system now has a Dante interface and can be integrated seamlessly into digital audio networks based on the popular Audinate solution. The TG 1000 dual receiver is equipped with a Dante network interface in the form of an RJ45 connector flanked by status LEDs on the back of the 19" device (1 HU). The dual receiver's analogue audio output also comes with a modern digital option – impressive connectivity guaranteed without inconvenient interfaces! The Dante network transfers uncompressed digital audio data via standard IP networks; thus, interference-prone, inconvenient multi core copper cables are replaced with cost-effective Ethernet connections. With the help of clearly designed software, even complex networks can be configured with just a few clicks of the mouse. Dante is supported by numerous pro audio manufacturers and allows for effortless multi-channel signal exchange, with negligible latency, between hundreds of pro audio products available on the market.

The beyerdynamic **TG 1000 wireless system** has an impressive switching bandwidth of 319 MHz in the UHF range (470 – 789 MHz), guaranteeing long term investment security and smooth operation across the globe. Operation is extremely intuitive as a result of the high-contrast OLED display, one button navigation and Chameleon software. When it comes to sound, the TG 1000 system knows how to impress – with superior dynamic range

and optimal sound transparency. Up to six dual receivers can be cascaded without the need for external antenna splitters. The total latency from transmitter to receiver is only 2.1 milliseconds. In optimal environmental conditions, the transition



range can reach up to 300 metres. In a business environment, optional proprietary encryption ensures that sensitive information remains confidential.

beyerdynamic will also be unveiling the **TG 500**, a versatile wireless system that offers outstandingly appealing value for money. For performances on smaller stages, theatre productions, speeches or presentations – the new beyerdynamic TG 500 wireless system is a genuine all-rounder! The beyerdynamic TG 500 system is available in five sets, each of which contains an individual receiver and two removable antennas. The TG 550 Vocal Set is supplied with the dynamic TG 500H-D handheld transmitter with a TG V50 capsule (dynamic capsule, cardioid) and is ideal for singing, whereas the TG 556 Vocal Set comes with a TG 500H-C handheld transmitter with a TG V56 capsule (condenser capsule, cardioid), making it the ideal

solution for presentations. There are matching microphone clamps for both handheld transmitters. The TG L58 clip-on microphone (condenser, omnidirectional) from the TG 558 Presenter Set can be worn in an inconspicuous position during lectures, while the TG 534 Headworn Set with a TG H34 neckworn microphone (condenser, supercardioid) is the perfect choice for theatre productions. Electric and bass guitars can be miked using the WA-CGI instrument cable (6.35 mm mono jack), which is part of the TG 510 Instrument Set. With an operating range of up to 120 metres, the beyerdynamic TG 500 allows for substantially greater freedom than comparable systems. The switching bandwidth is up to 40 MHz, and when all four frequency bands (518–548 MHz, 606–636 MHz, 794–832 MHz and 1.780–1.810 MHz) are used, up to 72 channels (18 compatible frequencies per band) can be operated simultaneously, thus making the TG 500 system suitable even for larger installations. **Hall 1 - I51**

## New beam light from Fly Dragon

**Fly Dragon Lighting Equipment Co., Ltd** a High Sci-Tech company specializing in stage lights, will showcase its LIGHT SKY brand at PALM. Its new product from Light Sky - **F330II** is a 15R BEAM, with lens- inner diameter  $\phi 169\text{mm}$ , lamp- Osram Sirius 230W Facula evenness and gorgeous lighting effect. With 8 prism+16 double prism+prism combination LCD backlit screen design, it can clearly display under the sunshine.

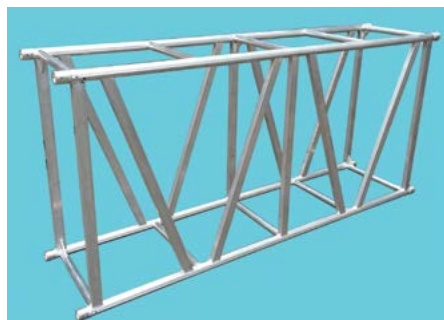
The

company will also present Light Sky products like the waterproof and outdoor **440W** moving head beam - **IP3000** and **8800-C42** LED PROFILE. **Hall 5 - D37.**



## Weifa Trussing to introduce new Aluminium Truss

**Weifa Trussing Co., Ltd.** will introduce **Aluminum Truss E1480**, the size of which is 1480 x 745mm, using  $\phi 60 \times 6.0\text{mm}$  as main tubes,  $60 \times 40 \times 3.0\text{mm}$  as braces. The truss highlights good quality aluminium alloy 6082-T6. The maximum span is 30m (100ft) in a high load capacity. **Hall 5 - C43**



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# The Evolving and Flourishing Indian Stage Market

by Akhil Varma, Sr. Manager – Sales, PALM expo, Mumbai

India has always been a land where events have managed to aggregate large numbers, especially religious events which draw in mammoth crowds. The religious Maha Kumbh Mela for instance has been recorded as the largest gathering of human kind anywhere on the planet. In spite of the poor physical infrastructure and issues with logistics, India always managed to attract global audience, for events which are peculiar to the country.

The challenge however was to draw audience from within India & around the globe to music and entertainment events where major international stars perform. But in the last five years, entertainment events too have witnessed huge followings. Be it big scale EDM festivals like Sunburn and EDC with a heavy international line-up, or local bands performing in uncharted territories of the country, or be it college festivals, audience numbers indicate that entertainment events are today drawing in more diverse and deeply engaged audiences.

## TUNING IN TO MUSIC FESTIVALS

A great amount of Indians are now tuned in to music & dance festivals and even stand-up comedy acts for that instance, and entertainment events have gradually evolved into money-spinners for organizers. Young audiences today, comprising largely of executives, professionals and students are earning a lot more than they did a decade ago and the desire for experiential entertainment has driven this lot to the live stage.

Moreover, this trend is true of not just the top cities but also tier 2 and tier 3 centres, which have gradually warmed up to the idea of music events and gigs as the ultimate entertainment option. From Jaipur and Indore to Guwahati and Shillong, there are enough takers for tickets priced upwards of Rs 3,000 for live shows.

## STATISTICS

The organized events industry in India had grown to a staggering Rs 4,258 crore in 2014-15, marked by heavy footfalls and an audience willing to shell out big bucks to be entertained. Continuing its upward journey it is expected to touch Rs. 5,779 Crores by end of 2017, which is close to a growth of 15%, as per a study by Ernst & Young.

In December 2016, over 70,000 people attended the first ever Global Citizen

Festival in India in Mumbai. This was the biggest music festival ever produced in the country. Global Citizen Festival India was produced by Wizcraft India and featured international artists including Coldplay. 2017 is already shaping up to be an exciting year with a line-up of magnificent events which are ready to take place. In what may easily be described as a treat for pop music fans in India, Canadian singer-and-songwriter Justin Bieber will perform in the country this May. Organized by event production and management company White Fox India, the Grammy Award winner will bring his Purpose World Tour to the D.Y. Patil Stadium in Navi Mumbai. Bieber is the third recent international artiste to have cashed in on the massive fan following he commands in India after British rock band Coldplay which had flown down in November and French songwriter David Guetta who came in January.

## STAGE EVENTS DRIVE INVESTMENT INTO STAGE EQUIPMENT AND TECHNOLOGY

This surge in events has given a major impetus to the professional audio, lighting, AV and staging solutions industry in India and this is reflected by the huge investments being made by the Music industry into high-end pro audio equipment. Major Sound rental companies are today increasingly seeking the best quality line arrays, FOH consoles, microphones, speakers etc. in order to accommodate the demanding technical riders by International artists performing in India. High quality lighting and truss is required for setting up the perfect stage.

The Global Citizen Festival saw Electrocraft teaming up with SNL Pro and JDavis to reinforce headliners Coldplay, A.R. Rahman, Jay Z with the biggest synergetic L-Acoustics System seen in India, making it the most technically advanced single stage concert the country has ever seen. Inventory was sourced from across the country to carry out the mammoth event. Consoles of Avid, Digico & Soundcraft were used.

Debuting in India for the first time in November 2016, the Electric Daisy Carnival (EDC) was supported with technical reinforcement that included an L-Acoustics K2 loudspeaker system, over 15,000 lighting fixtures and approximately 7,500 sq-m of LED screens.

The sheer size of these concerts



warrants a massive inventory which has in turn propped up the several Sound & Light rental companies in the Country.

In addition to concerts and dance festivals, major sporting events like Pro Kabaddi, IPL and Pro Wrestling league with grandiose design and equipment requirement have provided a further push to the rental companies to purchase larger number of equipment to keep up with increasing demand.

## INCREASE IN DEALERS AND SERVICE CENTERS IN TIER 2 & 3 CITIES

The substantial increase in the number of smaller local stage events in Tier 2 & Tier 3 cities of India has resulted in a substantial growth in the number of sound rental companies & equipment dealers in a number of these cities. It has now become very easy for all the smaller cities to cope up with the equipment demand. These rental companies and dealers have everything that is needed for even a big scale stage show. Some years ago the equipment would have to be transported from major metros but today the manufacturers of Pro Audio & Lighting equipment are one of the most sought after. The increasing numbers of dealers of Pro Audio – Lighting Equipment & Rental companies in these cities, have been a major source of encouragement for these manufacturers and distributors to further expand their presence. Many major players like Harman, Sennheiser etc. have opened up service centres in these cities.

## THE BOTTOM LINE

The industry is changing faster than ever before and the stage market in India is evolving and growing, tiding over challenges like lack of great venues and single window clearance in obtaining permissions, which is a positive sign for the Indian Pro Audio & Lighting scenario.

The myriad factors mentioned above will continue to shape the industry and it definitely seems like the next decade will continue to witness consistent demand for professional audio, lighting and AV equipment in India.

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## Sound Emporium to roll out the latest innovations

**Sound Emporium**, one of the leading suppliers of Pro Light & Sound System, will exhibit **XMLite - MS 440W, Beam 350W, FS 280, FS 350/440 and LM 285** at the PALM expo 2017. Also on display will be **Meline S2 -3** and **TLA 21, R5 /R10A and EH 6.0, FN 2.0, VX 2.0.**



Meline S2-III is a performance sound reinforcement system designed for musicians, meeting room presentation, DJ's etc for an audience up to 300. The three piece system is designed for quick and easy setup with new click together interconnecting speakers. The amplifier module is housed within the subwoofer. This bi-amp module includes DSP to enable superior performance. The active 3-way column

speaker system Meline S2-III can be used for various PA applications. The individual components of the Meline S2-III (1 subwoofer module, 2 column modules) can be connected so that the Meline S2-III is also ideally suited for mobile applications. Two class D amplifiers, each with a power of 400W RMS, are available for the low-frequency and the mid-high frequency ranges.

Two audio units and two microphones can be connected to the 4-channel mixer unit. For sound adjustment and frequency splitting, the audio signals pass a digital signal processor (DSP) that also includes a signal limiter.

TLA 21 line array system consists of four TLA 21X satellites and a WS218XA powered subwoofer. TLA 21X is a compact, high power, light weight unit with 2 x 1.7" compression drivers and 1 x 10" woofer. WS218XA is a dual 18" high power subwoofer with two amplifiers, one for driving the subwoofer WS218XA (4500W), the other for driving four TLA 21X satellites (900W x 4). A flying frame is included for

connecting the satellites and subwoofer together to make a ground stacking system. The frame can also be used for flying up to 8 x TLA21X in a line.

The R5/R10a line array system consists of four R5 satellites and a R10a self-powered subwoofer. Thanks to its self-powered feature and compact size, R5/R10a is a plug and play line array system which is really easy to transport and install. These features and its power output make it a perfect choice for small and medium installations, such as conference rooms, auditorium, school, house of worship, shopping-malls, etc. R5/R10a is made in high density plywood and it is available in two colours: black and white. Up to 1 x R10a + 8 x R5 can be flown together.

The company has some of the most prestigious brands as channel partners - Beta three and Osram. With established connections with all the dealers, distributors and a huge customer base, Sound Emporium is at present engaged in marketing Professional Light & Sound Systems PAN India. **Hall 5 - B05**

## Attractive Product Showcase by MSS Pvt. Ltd.

**Modern Stage Service Pvt. Ltd.** one of the leading companies in the field of lighting and designing stagecraft equipment, will highlight its intrinsic quality and superior performance products at PALM. It will unveil MA Lighting's new compact range of control modular lighting solutions- the **dot2** core. The dot2 core is a compact



lighting console designed for small to medium sized productions up to 4,096 control channels. Intuitive operation is the core of the dot2 philosophy and with a comprehensive set of connectivity hardware on all console models, the dot2 range is suitable for most theatre, touring, corporate,



television and education lighting environments. Another showcase by the company will be the **SHOLITE 20R SUPER SHARPY** and **MAGIC-FX STADIUM SHOT II**. The new **Sholite SH 15R 3 in 1** - BWS integrates three



features -Beam, Spot and Wash in a single unit. This fixture has adopted a tremendous technology, which combines advances 330 Watts lamp with superior optical system.

**Hall 5 - D17, C24**

### Acoustic Arts to bring an impressive range of brands

**Acoustic Arts Pvt. Ltd.** is involved in the distribution and sales of AV products from some of the most reputed and established manufacturers in the world will display a host of products from its reputed brands. The line-up of interesting new products that Acoustic Arts Pvt. Ltd. will be displaying this year at the exhibition will be **Powersoft Quattrocanali** series of Amplifiers, **Powersoft Deva, TW Audio C5, B10 and T20 loudspeakers** and **Qusted Cinema monitors**. **Hall 5 - H39**

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**CONNECTING THE FUTURE**

# HARMAN to showcase range of new products & technology from its bouquet of brands

**Harman** will display a range of products which includes the **AKG C7**, a reference handheld condenser microphone that delivers premium studio-quality condenser sound and hassle-free operation on any stage. With pristine clarity and sparkling high end, the C7 allows lead and background vocals to shine through. As a result of its specially engineered circuitry and custom-designed components, C7 prevents feedback, spill, handling noise and pop noise from interfering with the performance. Irrespective of where one is performing, C7 delivers premium, worry-free vocal reproduction so that one can focus on what really matters.



AKG C7 boasts of features such as- Custom-tuned supercardioid condenser capsule with high SPL handling, worry-free performance with multi-layer pop noise filtering system, mechano-pneumatic shock absorber suspension that eliminates handling noise, open-space capsule technology for reduced feedback and spill, Rugged zinc alloy housing and spring steel grill and 24-karat gold-plated capsule.

Also new is the **AKG C636** which is the legendary C535 updated for today's rigorous live performance requirements. It offers the pure studio sound, and one can focus on the vocal performance and not on the performance of their microphone. By keeping the C535 sound untouched, the C636 captures sound unfiltered and uncompressed and is one of a kind in the market. AKG C636 eliminates feedback, handling noise, plosives and has a 24 Carat gold-plated Capsule that boasts of robust stage reliability.

The culmination of almost 70 years of expertise, the **AKG K872** master reference closed-back headphones provide unprecedented accuracy and comfort in production and live sound engineering environments. Custom 53mm drivers with 1.5 Tesla magnet systems deliver quality headroom for precise imaging, deep low frequencies and extended dynamic range. The optimized closed-back design ensures superior isolation during tracking, mixing and mastering sessions. The open-mesh headband and 3D-shaped slow-retention foam earcups create a personalized fit for

remarkable comfort during long sessions. It has Optimized closed-back design with 53mm transducers for superior headroom and dynamic range, 1.5 Tesla magnet system for accurate imaging and authoritative low-frequency performance, two-layer voice coil for superior extended 5 Hz – 54 kHz frequency range, open-mesh headband for remarkable comfort and light weight, 3D-shaped slow-retention ear pads for personalized fit, Sound-sealing pad profile for quality isolation, Slim, durable, removable cable with precision LEMO connector, robust design incorporating precision metal parts and demanding test regimen that ensures reliable operation in the studio and on the road.

Showcasing **JBL VTX A12** is a complete tour sound solution for mid-to-large-size touring applications and high-end fixed installations. VTX A12 was designed from



scratch to address the unique challenges of rental companies, FOH engineers and tour sound production crews. Next-generation JBL transducer technology and a high-frequency waveguide design

deliver unmatched performance, sensitivity and coverage. A patented JBL rigging mechanism and redesigned suspension system streamline deployment and setup. And refinements to the physical design maximize reliability and versatility, while minimizing size and dramatically reducing weight. VTX A12 isn't just a superior line array—it's a completely new way to approach tour sound. Its distinctive attributes include - new and improved JBL transducers for the best output per weight, Innovative HF section integrates the phasing plug and waveguide for high sensitivity and linearity even at high output levels, Redesigned Radiation Boundary Integrator (RBI) for reduced horn edge diffraction, improved LF sensitivity, lower distortion, and 90-degree coverage down to 250 Hz, Next Generation LF section, including industry-defining Differential Drive woofers, with a dual magnet, dual voice-

coil design for extended linear excursion, superior class rigging for streamlined, rapid deployment, full-face grill for superior weatherization and refined aesthetics, new transport cart and frame for simplified transport and setup, optimizations throughout the design for space efficiency and reduced weight while simultaneously improving performance, full integration with JBL system control and prediction software and lightweight design.

**JBL EON ONE PRO** - the first, portable, battery-powered, linear-array PA system in its class, it has a lighter, more compact design and up to six hours of play time. The user can perform for up to 6 hours without recharging, courtesy its extended-life lithium-ion battery. EON ONE PRO optimizes sound dispersion so your audience can hear performance from all angles—even from behind. EON ONE PRO even recalibrates its sound depending on the number of high-frequency height spacers the user can choose when setting up. The EON ONE PRO houses an 8" subwoofer that delivers low-end response that audience can really feel. At only 37.5 pounds, with EON ONE PRO is easy-to-carry, lightweight and has a versatile design. The user can stream music from any Bluetooth-enabled device. It has a built-in USB and even a built-in tablet stand so that the device is always in reach. It also features an accessory mount located at the top of the line-array speakers.

The **JBL Intonato 24 Monitor** Management Tuning System provides easy setup, automated calibration and comprehensive control of professional monitoring systems. Housed in a 2U rack-mount enclosure, Intonato 24 precisely calibrates and controls up to 24 speakers configured as stereo, surround or immersive audio systems. You can create and instantly recall customized routing of up



to 24 analog, digital and networked audio sources. Included software and an optional Desktop Controller put the system's powerful monitoring features at users' fingertips.

**HARMAN Connected PA** - a complete, integrated system of live sound products that allows musicians and performers

at any skill level to quickly and easily get professional results. At the center of the Connected PA system is the groundbreaking new HARMAN Connected PA mobile app, which provides one centralized solution for intuitive setup, configuration and control. It is an industry first, and streamlines the setup process with one state-of-the-art central app for the entire component system, removing the need for multiple apps and GUIs. The app automatically identifies and configures connected equipment, provides setup wizards for quick and easy system configuration, and offers access from a variety of devices, including iOS and Android tablets, Mac OS and Windows. The Connected PA solution is enabled via ioSYS technology and initially includes equipment from Soundcraft, JBL, dbx and AKG, allowing musicians to create systems that suit their specific needs. The Connected PA

Family includes: JBL PRX800 Loudspeakers, dbx Di Direct Box, AKG P5i Microphone, Soundcraft Ui24R Mixer and AKG MDAi Connected PA Adapter.

**Martin THRILL line** - is designed to provide professional lighting and atmospheric effects to musicians, DJs, and enthusiasts bringing a new level of polish and excitement to their performances and events. The THRILL range of products initially includes - Mini Profile, a compact LED moving head with super sharp optics, superior output, and a color wheel offering 8 colors plus white and gobo effects; Multi-FX LED, a 3-in-1 LED light fixture with laser, strobe, and rotating colored light effects, SlimPAR Mini LED and SlimPAR 64 LED: bright and powerful LED PAR cans, the most common style of fixture used for stage-, wash

and up-lighting; Vertical Fogger, a fog machine capable of producing 25-foot high plumes of fog that simulate "cyro" effects complimented with LED lights for stunning effects. All THRILL products work right out of the box with easy-to-use presets for customers who have minimal to no lighting experience. With THRILL, musicians, DJs and home enthusiasts can spend their time focused on entertaining, rather than setting up and controlling complex equipment. **Hall 1 - D09**



## Aerons representing global brands at PALM

### Aerons (India) Exim Private Limited,

one of the leading traders and exporters of professional audio equipment in India, like Wire/Wireless Microphones, Speakers, Mixers, Amplifiers and other associate products, will be launching a host of new technology from their various international principals.

Aerons represents global brands FANE INTERNATIONAL (UK), FAITAL PRO (ITALY), FIDEK (HONG KONG) and AERONS INDIA in India. This year at Palm Expo 2017, Aerons Group is showcasing three Line Array formats namely **LA 3032** compact Line



Fane FC-154F01

array, Single 12" speaker, 500 watts RMS. Also on showcase will be the **HDLA 210** Medium format Line Array dual 10" speaker

with 1.4" exit HF 800 Watts RMS and the Large Format is **HDLA 212** Line Array Dual 12" Speaker and two 1.4" Neo HF with 1200 watts RMS.

From the FANE International brand the company is introducing three new - 18 inch, 15 inch and 12 inch components. FANE 18 inch new model **FC-185F03** - 18", 1300 Watts, 5" Voice Coil with Ferrite Magnet. In the 15 inch model FANE **FC-154F01** - 15" 800 Watts, 4" Voice Coil with Ferrite Magnet and 12 inch model **FC-123F02** - 12" 550 Watts, 3" Voice Coil with Ferrite Magnet. **Hall 1 - F19**

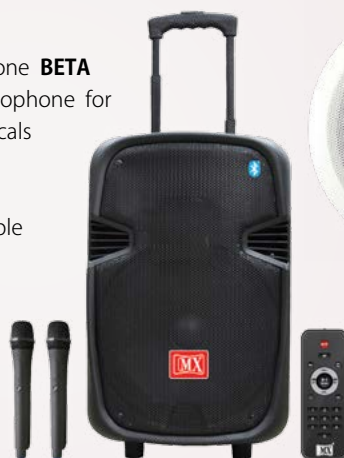
## MX-MDR Technologies presents Quality Products at PALM

### MX-MDR Technologies Limited,

a leading manufacturer of quality Electronic Accessories, Cables & Spare Parts in India; will launch at PALM a range of products like- **MX 3712** : 12 Inch Portable Multimedia Speaker System, **MX 3279** : 3 PIN Mic Unisex Male / Female Connector XLR which is very useful in Live, **MX 2628** : Double Shield OFC Microphone Cable. This Oxygen Free Copper Microphone cable can connect microphones to audio amplifiers. **MX 3725**: 5" Ceiling Speaker,

MX Wired Microphone **BETA 58A** Handheld microphone for professional live vocals and project studio recording and **MX 3706-5** : 6.5" Portable Multimedia Speaker System with a power output of 35 W.

MX-MDR Technologies was established



by a highly ambitious entrepreneur Mr. Mukesh Panjwani and today MX has a

network in India of more than 67 distributors across India and is also exporting to Nepal, Bhutan, Bangladesh, Middle East, South Africa & Sri Lanka.

**Hall 1 - A41**

# Hi-Tech Audio Systems to unveil state-of-the-art technology

**Hi-Tech Audio Systems Pvt. Ltd.** will be unveiling at PALM the **DiGiCo SD5** with 37 faders that are laid out in three convenient banks of 12 with one master fader with the added benefit of three 15-inch full colour TFT touch screens for even quicker access and multi-user applications. The centrally located master screen has been incorporated into the worksurface meterbridge design to provide a lower profile meter bridge and allow for complete user feedback, which means the engineer never needs to move far from mix position; there is clear visibility of everyone on stage, and all control is less than an arm's length away.

Yet another tech to be displayed at the expo is the **Digico SD12** which is a compact, affordable, multi-application digital console. Not only is SD12 a true sonic powerhouse, it also benefits from dual 15-inch touch screens, and is the first in the SD Range with built-in recording interfaces, which makes Virtual Soundchecking very straightforward indeed. Furthermore, the SD12 now

includes a DVI output, for an overview of the console. New LED meters allow for a brighter, faster operation, and the SD12 Lightbar is identical to that of the SD5 and flagship SD7 consoles.

Other products on display at the Hi-tech booth - **Hall 1 - J19** are as follows:

**L-Acoustics - Syva** - a segment source system suited to medium throw applications. It is designed for professional sound reinforcement and high-end residential applications requiring high fidelity and SPL with minimum impact. Syva features six 5" MF speakers providing usable bandwidth to 87 Hz and three 1.75" HF diaphragm compression drivers, loaded by DOSC waveguides in a J-shaped progressive curvature. This transducer arrangement, called segment source, produces an H/V 140° x 26° (+5/-21°) directivity pattern, optimized for ultra-wide



horizontal coverage with extended throw capability.

Its companion Syva Low enclosure features two K2 12" drivers designed to provide low frequency contour and extended bandwidth down to 40 Hz. Syva Sub features one high-excursion 12" driver equipped with a KS28 woofer motor to further extend the bandwidth of the system in the sub frequency domain down to 27 Hz.

Syva can be wall- or pole-mounted, as well as flown, or used alone with its baseplate. Alternatively, Syva can be rapidly mounted on top of Syva Low or Syva Sub using

the AutoConnect plug-and-play audio and physical link.

The **RCF HDL 30-A** - gives a new impetus by providing a compact 2-way biamp system for medium to large sized events, both outdoors and indoors. With its 2200W class D 2-way amplifier and DSP processing, the cabinet produces a maximum SPL output of 137 dB. The system presents the new processing technology developed by RCF, called FIRPHASE, also used in other products of the brand,

including HDL 6-A, a compact active system of only 11.5K, equipped with a 1400W amplifier capable of producing a sound pressure level of 131 dB.





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# Impressive Display of Technology by Yamaha

At PALM Expo 2017 **Yamaha Music India** will showcase in its **Hall 2B** and **2C**, **WX-030 Wireless speaker** and **WX-C50 Wireless preamp** that enables users to access music with a simple app and allows it to wirelessly stream throughout their home using their existing Wi-Fi network. It allows the user to stream it, listen to thousands of free internet radio stations and the music stored on their smart devices and computers. With wireless connectivity, all MusicCast products are fully loaded with Wi-Fi, Bluetooth and AirPlay. The user can expand to a whole home audio experience. When the user is ready, they can add MusicCast wireless speakers, sound bars or other devices in up to 9 other rooms and listen throughout their home. Featuring no wires and easy installation, by using MusicCast, the user does not need to fuss with placing wires through walls into other rooms.

Also on display will be VXS Series M and S models. **VXS Series M** models combine sophisticated sound and design in compact surface-mount speakers that will make a significant contribution to refined and elegant spaces. **VXS series "S" model** subwoofers are ideal matches for VXS and VXC series speakers, smoothly extending the low frequency range with superb sonic quality for bigger, more true-to-life musical reproduction. Although no larger than a compact surface-mount speaker the VXS3S delivers solid and natural-sounding low-end reinforcement.



**Yamaha MX 49 & 61** is great for stage, studio and everywhere in between. The MX series synthesizers feature carefully selected sounds taken from the Yamaha MOTIF XS. That powerful sonic palette is packed into sleek packages- available in 49- and 61-note versions that fit today's on-the-go life style. But the MX Series aren't just synthesizers; they are designed to bridge the gap between hardware and software. By adding extensive audio and MIDI USB connectivity, advanced DAW and VST controller features and a suite of powerful music production software, the MX integrate hardware reliability with controller flexibility to give you the best of both worlds at a ground breaking level of affordability.

The Yamaha MX49 and Yamaha MX61 each feature 128 performances and are all editable. There are a total of 16-multi-timbral parts for each performance. The keyboard features 128 notes of polyphony, so you won't have to worry about notes cutting off even with the densest sequences from your DAW.

With Bi-directional USB Audio/MIDI interfacing one can record its internal sounds directly to the computer. There's no need to go the analog route, therefore the user can get the highest sound quality possible. The user can control internal sounds, DAW parameters and VST instruments via the knobs and buttons of their MX. This hands-on control is truly impressive.

(Continued on page 40)

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# Growth Drivers of the Lighting Industry

by Somya Kedia, Editorial Manager, PALM technology

Lighting, Lasers, lighting consoles, sales and distribution has grown robustly across Indian market. Lighting has grown both in sell-through and rental. Sell-through in entertainment lighting has shown sharp growth in Install in all segments – education, hospitality, retail sport and infrastructure. Stage lighting for big music acts has grown strongly, driven by EDM festivals and global acts such as Coldplay and Justin Beiber Concert. Stage lighting boom has fuelled big investments by rental companies and the growth and good returns from stage lighting business on the live performance arena market has seen entry of new rental companies. The large size rental companies are investing in major brands as well the range from Chinese suppliers.

World's leading brands in entertainment lighting are: Robe, Chauvet Lighting, Martin Lighting, Clay Paky, Osram, SGM and others. These brands however expensive are stocked by the top end rental companies because top end lighting designers demand this quality in their riders. With more international top acts expected to perform in India, rental companies find it necessary to boast of a global quality inventory.

## GROWTH DRIVERS

### Stage Events

Becket Tundatil in a recent exclusive interview in PALM technology said, "There is a huge leap in the number of fixtures used now. No matter what the size of the stage, the number of fixtures used on stage today is in hundreds, whereas maybe a decade ago it was limited to two digit numbers." Music Festival and concerts are not the only growth drivers when it comes to professional stage equipment. Professional Lighting technology is also massively employed at Indian pre-wedding ceremonies like Sangeet and Mehendi, which today boast of professionally done stages replete with elaborate sets and trusses. The other major growth drivers are devotional and religious events which utilize huge quantities of pro audio and lighting equipment. A high-rate of professional lighting consumption can also be witnessed at college festivals and corporate annual events.

### Installed lighting

The phenomenal growth in nightlife

venues like bars, pubs, restaurants, cafes, lounges, night clubs, discos have led to an exponential rise in the demand for entertainment lighting. These venues are slowly evolving into miniature live stages. A case in point is the Playboy Club in Mumbai which boasts of a central UFO structure rig with a cylindrical LED 50x50 pixel chandelier which travels the entire length of the club. There are seven lighting trusses in the venue, all of which move up and down on wireless hoist mechanisms and Grade A safety chains. The club also houses LED Screens, Flexible Led curtains, and numerous fog and haze machines.

According to Rasesh Parekh of IES, the

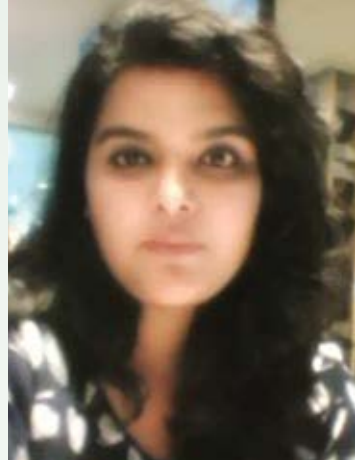
*"Social, caste, class and politics have combined to destroy live entertainment across the nation leaving aside Delhi and Mumbai, where there is nightlife and the rest of the country is barren. The municipal penalties for live performances and dancing have killed thousands of clubs and probably thousands of singers' avocations. The actual market potential in India is actually thousand times greater if the social atmosphere improves," said ANIL CHOPRA, Editor, PALM technology.*

emergence of more verticals like façade lighting and lighting in places of worship, high end homes etc. have also contributed immensely to market growth in positive directions.

Today even auditoriums in India in schools, colleges, community centres, art centres, used for hosting plays and entertainment shows too boast of permanently installed trusses with an array of lights.

### LED

Adoption of LED technology is seen as the most crucial factor propelling growth. Though still comparatively in its nascent stage, India's LED market is on a definite evolution path, moving rapidly from traditional lighting technologies to LED. LED



saves a lot of time on the lighting setup and is easier to change the lighting design in multiple shows. LED pixel lights also have more color capabilities.

According to Varinder Wadhwa of Modern Stage Service, the growth of the lighting market in India is linked to the growth of LED technology which has high efficiency, high level of brightness, long life span, high reliability, RGB control system and availability at competitive prices.

### Evolved Technology

In an article in PALM technology magazine in 2015, ace lighting designer Atul Sonpal, believes, "There is a drastic evolution in lighting technology and feels that it has evolved by 150% making them highly viable and sought after by the events industry." A recent development in intelligent lighting has been digital lighting, with fixtures containing integrated media servers, giving access to endless libraries of gobo-like images and allowing for projection of images and video. The intelligent lighting have been extensively used on stage shows as well as fixed installs like clubs and lounges integrating textures, patterns and graphics in awe-inspiring lighting designs. Some of the adept products in this segment are Robe Digital Spot 7100 DT, Martin Exterior 400 Image Projector, Elation EMOTION, High End DLHD, Robe Minime and others.

### Rapid Increase of China brands in India

Today most of the LEDs are imported from China primarily from Shenzhen. China has been a major supplier of lighting products which are very cost-effective. Due to the demand for huge number of lighting fixtures for live events cost-effective Chinese lights are in demand and are used in great numbers alongside the high quality branded lighting from US and Europe.

The outlook for the pro-lighting market in India is bright mainly due to the LED products penetration and the demand from emerging new business opportunities. Alongside, the rise in EDM and live events in India is also driving the growth today.

# Ready when you are



...WELA MK2 horizontal and MK3 series vertical line array could be used in a...  
...center stand and visitors could get up close and personal on the DMT booth with an XL desk from...  
90-degrees models provided the desired coverage to the seated, rear-seated and front tiered sections. The  
9,000 capacity WEL stand has a lower ceiling height of 10m so the rear facing speakers required more  
contained dispersion characteristics. As such the eight rear facing speakers are the EVF1122S99  
12-inch model, whilst those covering the seats towards the pitch perimeter are EVF1152S94 15-inch  
cabinets providing a narrower 90-degrees x 40-degrees dispersion characteristic. Additionally, 1011  
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# Just 2 speakers to cover 3000 people - Stonewater's new P800 Point Source

In the Indian context, Line Array speakers are often the popular choice for larger events. However, recently, Long throw Point Source Speakers seem to be making a loud come back! They offer advantages in terms of audio quality and convenience. Significant technical challenges go into designing point source systems for large venues and events. While attempting to get a single point source box to do the job of six or eight line array elements, it needs to generate incredibly high levels of SPL. The designing of such products require a very high degree of technical capability and very high performance components to be used in the product.

Marketing Director of **Stonewater**, Vikram Shetty opined, "While it is true that Line Array Systems have certain benefits, there are some fundamental issues with the Line Array configuration that still remain unsolved even in the best of Line Arrays. These problems are mainly caused due to undesirable interactions between the different speaker elements that make up a line array and the difference in arrival time of sound from different boxes. The problems become more apparent as you move away from the speakers. A few examples of such problems are loss of definition, high frequency attenuation at a distance (due to cancellation) and greater propensity to feedback. A well designed point source can eliminate most of these problems and deliver high definition, coherent sound with high intelligibility even at longer distances. There are no cancellation-related losses since the sound originates from a single source in a point source system. Apart from all the technical advantages, point source systems are also clear winners in terms of practicality and convenience. For the same venue, you will end up using far fewer boxes and far lesser trussing. Not only does this reduce operational costs, it also

dramatically reduces set up time and labor requirements for rental companies".

The design and manufacturing challenges involved in designing High SPL Long throw point source products are the reason why there are only a few high end western brands such as KV2 Audio and Funktion-One who have developed the technical capabilities to manufacture them.

Stonewater has addressed this issue through their collaboration with world renowned transducer manufacturer, Precision Devices (U.K.). Vikram explained, "Most of the design work for this project was undertaken in UK, jointly with Precision Devices, involving some of the world's best designers. Transducer components

are also sourced from UK. The manufacturing of the enclosures and the enclosure-assembly is being done in Pune at our CNC enclosure manufacturing facility, using top grade void free birch plywood. The end result is a highly refined point source system at a very interesting price point"

"The product offers to its consumers not just the much needed alternate to the Line Array system, but a

technological prowess and aesthetic sense, which is increasingly becoming what the market is trying to create.

The application scenarios for the P800 are varied, allowing different segments to easily integrate this system with their requirements," he added.

The Stonewater point source solution consists of the P800 Long Throw Mid-High Point Source loudspeaker combined with the HR1000 Hybrid Horn Loaded 18 Inch Subwoofer.

## **P800 - Long Throw Mid-High Point Source Loudspeaker:**

The P800 is a large format 3 Way, Point Source Mid-High Loudspeaker which can deliver a staggering 142 db of Max SPL. It can be used in both ground stack and flying configurations. It is suitable for both Touring and Fixed install applications. Two P800 speakers can handle an audience of up to 3000 people. It can be used at a variety of applications such as Outdoor concert sound, night clubs, large auditoriums, houses of worship.

The P800 specifications include -Max SPL: 142 db, Sensitivity : 107 db, Power Handling: 800W RMS, Frequency Response: 90 Hz to 18 KHz, Dispersion: 60x40 and Dimensions H:900mm, D:450mm, W:400 mm.

## **HR1000 - Hybrid Horn Loaded 18 Inch Subwoofer**

The HR1000 is a hybrid horn loaded subwoofer which can produce the extremely high levels of SPL required to complement the P800 Mid-High Loudspeaker. It produces high intensity and accurate bass needed for demanding touring and club applications. Its specifications are -Max SPL: 151 db ( 4 x HR1000), Acoustic Loading: Horn Loaded Band Pass, Power Handling: 1000 W RMS Each, Frequency Response: 40 Hz to 150 Hz when used in multiples of 4 co-located, Dimensions: H : 836 mm, D: 836 mm, W: 560 mm and can be used in applications like Outdoor concert sound, night clubs, large auditoriums.

**Hall 1 - B65, A57 (MPTV Corporation Booth)**





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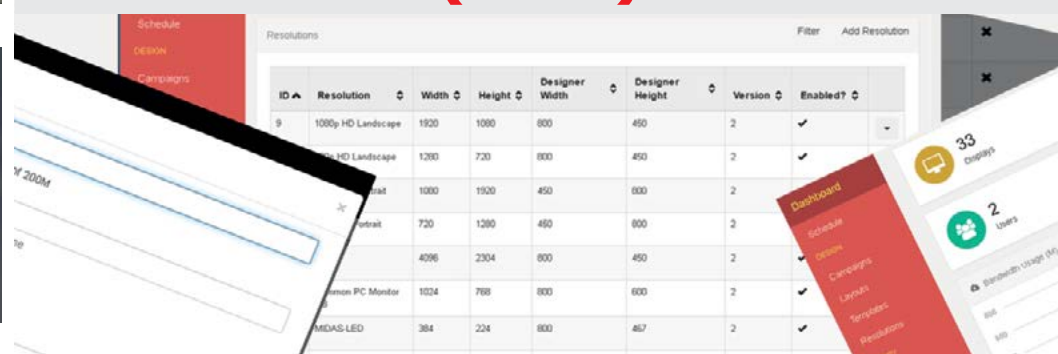
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# Jinali Enterprise to introduce 100 mtrs VGA & HDMI Cables

**Jinali Enterprise** one of India's leading import house and distributors of IT products and accessories, will be introducing **VGA** and **HDMI** Cables till 100mtrs at the PALM expo. More than 1,600 of the world's largest consumer electronics, PC and mobile device manufacturers incorporate HDMI connectivity into their products. It is very important to use a HIGH Speed and Premium quality HDMI cable to get the maximum performance from latest Technology spends. Jinali HDMI cables assure consistent connectivity besides the standard benefits of Pure Digital Performance, which is guaranteed

by HDMI Standards. It ensures that the plug is held firmly inside the socket to avoid frequent loose connection issues. The brass head of this product also ensures that socket of your product never gets damaged. This product is engineered to ensure quality connectivity with assurance that the user's main product is always well maintained. It features 24 Carat Gold Plated pins- Gold is the best conductor and thus to get maximum connectivity and great speed of



transfers, connectors pins of this product are coated with 24 carat Gold Plating. Silver Coated Copper Wires: Copper assures best speeds and great connectivity at all times and silver coating reduces interference to deliver true digital out at all times. HDMI cables V2.0 of above 25,30 MTR without amplifiers

above 30m, 40m, 50m, and 100m are provided with amplifiers to ensure zero drop in transmission signals Up To Cable Length"100MTR.

Jinali Enterprise is. **Hall 1 - D85**

## Sonotone to demo new launches from Marani, Dynatech & JTS

**Sonotone Electronics** will demonstrate a line-up of new products from brands like MARANI, DynaTech and JTS. On display will be MARANI digital speaker management systems- DPA-260P and DPA-480P. DPA260P is a cost-effective 2-IN/6-OUT digital speaker management system. Designed to be catered for any crossover configuration, it provides the suitable processing and control for live application use. It offers 2 analog inputs, and 6 analog outputs, managed by a powerful DSP Engine, in addition to 24 Bit AD/DA Converters. Each input channel provides a choice of EQ with a 11-band Parametric EQ, gain control, noise gate function, RMS Compressor, Internal White/Pink Noise Generator and configurable delay. Each output offers up to 5-band of parametric equalization into the crossover filters which themselves provide slopes from 6dB/Octave up to 48dB/Octave. Each output path also features peak limiter and driver alignment delay.

The **DPA260P** supports a full matrix mixing mode where inputs may be routed/mixed in any ratio to any output. For remote configuration and control, the DPA260P can be connected via USB or RS485 connections. The control remote PC software allows simultaneous control up to 32 units, setting all parameters and showing real time levels.



**DPA480P** is a cost-effective 4-IN/8-OUT digital speaker management system. Designed to be catered for any crossover configuration, it provides the suitable processing and control necessary for both live and fixed installation use. It offers 4 analog inputs, 8 analog outputs, managed by a powerful MARANI M716 DSP Engine, in addition to high performance 24 bit AD/DA Converters.

Each input channel provides a choice of EQ with 30-band Parametric EQ, gain control, noise gate function, RMS compressor and configurable delay. Each output offers up to 7-band of parametric equalization, in addition to the crossover filters which itself provide slopes from 6dB/Octave up to 48dB/Octave. Each output path also features Peak Limiter, HP/LP Filters and driver alignment Delay.

The DPA480P supports a full matrix mixing mode where inputs may be routed/mixed in any ratio to any output. For remote configuration and control the DPA480P can be connected via USB or RS485 connections. The control remote PC software allows simultaneous control up to 32 units, setting all parameters and showing real time levels.

Also on showcase will be - **V-8000/V-9000** from DynaTech V Series Power Amplifiers. DynaTech V Series Power Amplifiers deliver from 500 Watts to 6800 Watts of power in two to three rack spaces. High current transistors combined with low noise input



amplifiers enable the V series to deliver exceptional power. Built around robust and advanced toroidal transformers, it delivers clean power on demand. The advanced protection circuitry guards against short circuit and open circuit, and also protects against ultrasonic and RF interference. A high current power supply increases reliability and performance. Other features include center-dented gain controls, input peak limiter, and fast recovery to ensure low distortion. The variable speed Fans effectively cool the amp and protect against overheating. Input is through XLR connectors for output. The V Series Power Amplifiers have sub woofer outputs with a selectable low pass filter at variable frequency upto 200Hz. DynaTech V Series Power Amplifiers are specially designed for professionals who value high power, audio clarity, reliability and lasting performance. The company will also be showcasing **DynaTech Line Array DLA-112 and DLA-212**.

On display will be the **JTS SGM-14**- a 14"shotgun microphone is designed for ENG, outdoor recording and other specialized uses, it provides narrow acceptance angle and is desirable for long distance sound pick up. The low cut and pad are available for quality miking effect.

**Hall 1 - A03.**



# Yamaha Music India announces association with NEXO

Established in 2008 as a wholly-owned subsidiary of Yamaha Corporation, Yamaha Music India, Professional Audio department provides the Indian market with the full line of Yamaha integrated professional audio products offering complete systems solutions for the broadcast, sound reinforcement/installed sound, touring, commercial recording and post production.

By adding the NEXO line of high-end loudspeakers and amplifiers to its portfolio, Yamaha Music India aims to offer a superior solution-based approach to sound reinforcement, supplemented by a high degree of support, education and training to professional audio market of India.

According to Harisha, GN Business Head of PA Department, Yamaha Music India, "Because they have been present in India for so many years, the synergy effect of two brands will enjoy a very high reputation. Yamaha keeps on investing heavily in India. Our priority with NEXO is to leverage the possibilities between



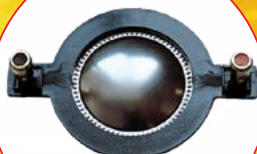
the product ranges of NEXO and Yamaha. Focusing to provide the best possible Professional Audio solutions under one roof targeting the Mid and High end segments which can make life much easier for the customer."

"Yamaha Music India has a wide-ranging distribution infrastructure, a network of consultants and an extensive customer base; these will now have access to NEXO systems, matched by comprehensive in-house and field product training," said Denis Baudier International Sales Director, NEXO.

"With this great partnership, Yamaha will help us effectively meet the growing demand for high-quality sound reinforcement solutions in India. Our two companies share the same philosophy and we aim to offer the Indian professional audio market something over and above 'black boxes', complementing technical solutions with a high degree of support, education and training," added Denis Baudier.



## VICTORY DEVICES Pvt. Ltd.



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## PALM 2017 CONFERENCE & SEMINAR SCHEDULE\*

### Day 1, Thursday, 1<sup>st</sup> June | Theme - Stage Sound & Light

- 11:00 - 11:45** Inauguration of PALM
- 11:45 - 12:45** When Lighting & Sound Interact with **BECKET TUNDATIL**
- 13:00 - 14:00** YAMAHA Seminar Session on VCM Technology by **TOSHIFUMI KUNIMOTO**, Fellow - Research & Development Division Technology Unit, Yamaha Corporation
- 14:30 - 15:45** Going Live with **FALI DAMANIA**; one-on-one
- 16:00 - 17:00** Entertainment Event Management Session; How to Plan a Mid-Scale Event - Tech Perspective; Moderated by **SACHIT SUBRAMANIAN**, Director, Circle Pro Audio LLP; Panelists: **VINOD BANGERA**, CEO, Systematic Inc. and **VIKAAS KALANTRI**, CEO, White Leaf Entertainment Media Pvt. Ltd.

Mezzanine Floor, Hall 1

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\*The above schedule is subject to change without any prior notice.

### Day 2, Friday, 2<sup>nd</sup> June | Theme - AV Install & Integration

- 11:00 - 11:45** Bridging The Gap – ICT /AV / Security by **A.R. CHANDRASHEKHAR**, ICT-AV-CCTV-Automation Consultant
- 12:00 - 13:00** Harman Session on Audio Install & Integration by **ASHISH BARJE**, Studio, Broadcast & MI Market - Harman International India
- 13:15 - 14:00** Presentation on Loudspeaker Management Systems by **MICHELE MARANI**

### Day 3, Saturday, 3<sup>rd</sup> June | Theme - Music Production

- 11:00 - 12:00** Point Blank Masterclass with **SANCHIT BALHARA**
- 12:15 - 13:30** Cultural Differences in Production and Mastering Practices by **DONAL WHELAN**, Hafod Mastering and **VIJAY DAYAL**, YRF Studios
- 14:00 - 14:45** Art of Recording Film Sound - A Modern-perspective; one-on-one Q&A Session with **RESUL POOKUTTY**
- 15:00 - 16:00** AES India PALM Open Forum For Sound Engineers Convened by **ADITYA MODI**; Speakers: **UDAY CHITRE** and **MAHESH AMBERKAR**

**PALM**  
**SOUNDSCAPE**  
HALL 4, VIP PARKING AREA

Curated by:



## PALM SOUNDSCAPE 2017 SCHEDULE

### Day 1, Thursday, 1<sup>st</sup> June

- 12:00 - 12:50** DJing - From Then... Till Now - Workshop by **Reji**
- 13:00 - 13:50** Entertainment & Event Management at Venues ( Panel Discussion )  
Panelists: **Prateek Pandey, Sameer Bhalla, Vinay Khilnani, Vivek Dudani**  
Moderated by **Aneesha Kotwani**
- 14:20 - 15:10** Mega Stage Events 101 ( Panel Discussion )  
Panelists: **Ali Safdar, Kunal Khambhati, Parampreet Dhanoa, Warren D'souza,**  
Moderated by **Tuhin Mehta**
- 15:20 - 16:00** In conversation with **DJ Chetas**
- 16:10 - 18:10** DJ Championship Elimination
- 18:10 - 18:20** Special Performance
- 18:20 - 18:45** DJ Championship - Announcement of Finalists

### Day 2, Friday, 2<sup>nd</sup> June

- 12:00 - 12:50** Hybrid DJing - When Music Production meets Live DJing ( Panel Discussion )  
Panelists: **Audio Units (Ashwin & Ashrith Baburao), Tanseer Jabbar, DJ Skip**  
Moderated by **Varun Desai**
- 13:00 - 13:50** Deconstruction of a Song - Workshop by **Kumail & Point Blank**
- 14:20 - 15:10** Synthfest Workshop Conducted by **United Machines**
- 15:20 - 16:00** Feature Presentation
- 16:10 - 16:55** Reinventing the Wheels of Steel ( Panel Discussion )  
Panelists: **Akbar Sami, Ivan Nilkon, Russell Almeida**  
Moderated by **Ma Faiza**
- 17:10 - 17:50** DJ Championship Finale
- 17:50 - 18:00** Special Performance - **Analog Jam ( United Machines vs. 5volts )**
- 18:00 - 18:30** DJ Championship - Announcement of Winners & Prize Distribution

### Day 3, Saturday, 3<sup>rd</sup> June

- 12:00 - 12:50** Market Presence through the Social Media Lens ( Panel Discussion )  
Panelists: **Aneesh Prasad, Ankit Narang, Richy Dave, Varun Patra**  
Moderated by **Parth Taco**
- 13:00 - 13:50** Bollywood Remix Deconstruction - Workshop by **A-Myth**
- 14:20 - 15:10** The Indian Hiphop Explosion ( Panel Discussion )  
Panelists: **HBB, Sez, Shah Rule, Stunnah Beatz**  
Moderated by **Enkore**
- 16:00 - 18:30** IRAA Awards Presentation Ceremony

\*The above schedule is subject to change without any prior notice.

# Impressive Product Line-up by Alphatec

The visitors at PALM will catch a glimpse of products at **Alphatec** booth from brands like KlarkTeknik, Behringer, MIDAS, Tannoy, Turbosound Berlin and Labgruppen.

On display will be a range of products from **Labgruppen** brand that includes **D10:4L**- 4-Channel Class D Power Amplifier delivering 4 x 250 W @ 2 Ohms/ 4 Ohms/8 ohms / 16 ohms,250 W into 70V,175 W into 100V with LAKE DSP, DANTE digital Audio Networking and Advanced System Integrity Monitoring. **D20:4L** and **D40:4L** -4-Channel Class D Power Amplifier. **E2:2**- 2-Channel 200W Class D Power Amplifier delivering 100 W per channel at 70 V, 4, 8 and 16 ohms, THD 20 Hz - 20 kHz at 1W <0.1%,Signal to Noise Ratio >112 dBA, Frequency Response 2 Hz - 40 kHz,C MR 50 dB. **E5:4** - 4-Channel 500W Class D Energy Efficient Power Amplifier delivering 4 x 125 W per

channel at 70 V, 4, 8 and 16 ohms, THD 20 Hz - 20 kHz at 1W <0.1%,Signal to Noise Ratio >112 dBA, Frequency Response 2 Hz - 40 kHz, CMR 50 dB. **E 10:4** -a 4-Channel 500W Class D Energy Efficient Power Amplifier delivering 4 x 250 W per channel at 70 V, 4, 8 and 16 ohms,THD 20 Hz - 20 kHz at 1W <0.1%,Signal to Noise Ratio >112 dBA, Frequency Response 2 Hz - 40 kHz, CMR 50 dB.

**Labgruppen Lucia 60/22** and **Labgruppen Lucia 60/2M2** -Channel Class D Power Amplifier delivering 30W output power into 8,4,2 Ohms, 15W into 16 Ohms Signal-to-Noise Ratio >92 dBA, Frequency Respose 5Hz - 22 kHz,Imput

impedance 10 kOhm,CMR 40 dB.

**Labgruppen Lucia 60/1-70** - Single Channel 70V Class D Power Amplifier with built-in 2x1 matrix, DSP,output power 60W into 70V and 16 ohms,30W into 100 V,VPL



**Klark Teknik DM8000**

100,Sensitivity 4dBu,Input headroom for clip,balanced 12 dBu/3.09 Vrms.

The **Midas** range of products on showcase will be **MR 18**- 18-Input Digital Mixer for iPad/Android Tablets with 16 MIDAS PRO Preamps, Integrated Tri-Mode Wifi Module and 18 x 18 channel, bidirectional USB2.0 interface, 4 digital signal processing



**Klark Teknik DN 200**

*(Continued on page 32)*

## H V & Company to showcase new products from PRV Audio

**H V & COMPANY** known for providing high profile audio products that are complemented by strong service and support to professional audio and video rental companies, will debut several new products from its principals PRV Audio Brazil. These products include - **12MB1003FT**, **15W1600**, **15W1000v2** and **D3220Ti**.

The 12mb1003ft offers the user an incredible punch to their pro audio system. The 12mb1003ft loudspeaker offers woofer type performance while enhancing mid-bass stability and has a specially designed force air ventilation system to ensure proper cooling for long

ideal woofer or midbass option for both ported and sealed speakers. The upgraded and advanced voice coil and cone material along with its ability to reproduce extremely low frequencies will forever make this your woofer of choice to replace your existing drivers. The 3" voice coil accepts the abuse of higher power systems while staying cool with the side forced air cooling system

The powerful D3220Ti PRV Audio pro audio compression driver features a 2" exit supported by a 3" voice coil allowing for accurate reproduction through 17kHz. The pure titanium diaphragm supported by a Kapton former results in a light weight, yet durable design and offers a more natural

enhancing the mid-bass stability and has a specially designed force air ventilation system to ensure proper cooling for long hard play. The durable spider and woven surround offer precise movement along its impressive 7.6mm Xmax. The large 4" voice coil accepts the abuse of higher power systems while staying cool with the side forced air cooling system

The PRV Audio15W1000v2 woofer is designed with a reinforced cone and M-roll surround. It offers outstanding durability and high power handling. The cone is treated to be water resistant making it a perfect replacement for your weather beaten speakers and for use in outdoor applications.

The 15W1000v2 offers a large 3" voice coil providing better cooling and rigidity, leading to increased life expectancy and accurate response. The cone was developed and tested with the necessary stiffness to withstand intense use while still offering a smooth, accurate sound. The magnet assembly attached to a newly reinforced steel frame completes the 15W1000v2 to ensure a solid support structure, for long lasting play in almost most any environment. **Hall 1 - C77**



hard play. The durable spider and woven surround offer precise movement along its impressive 5mm Xmax. Non-pressed pulp cone offers a natural classic tone found in most high-end PA speaker cabinets, making the 12mb1003ft an

sound for high SPL applications. The D3220Ti is designed to ensure a quality sound and long lasting play in your large environment applications.

15W1600 loudspeaker offers a subwoofer type performance while

# DJ Industry in India

by **Karan Bhardwaj** – Manager, **PALM DJ Championship**

Disc jockeying in India has seen a rise in recent times. Youngsters nowadays are gaining interest towards taking up Djing as full time profession.

## EVOLUTION

From calling a person a DJ who used to flip tracks on his CD's to giants {Martin Garrix, Hardwell} performing at Tomorrowland, the world has seen a major evolution in the field of Djing. The wave has struck India with a bang, gaining remarkable following amongst the masses. Leisure has turned into passion and passion into profession over the course of the decade. Adding impetus to the Industry are amateur DJs and learners who are embracing Djing as a full time career.

Where there's an event, there's a DJ. Even small house parties and birthday parties today call for a DJ. DJs have definitely become the rock stars of this generation. Platter scratching is now accompanied with giant LED screens and intense light shows that appear to fuel every possible nerve in the brain, and the audience seem to love every minute of it. As big scale DJ events (read EDMs) continue to grow at an exponential rate, organisers like Viacom 18 & Percept have scripted success stories out of their IPs Vh1 Supersonic and Sunburn.

## ADVANCEMENT IN DJ TECHNOLOGY

The DJ Industry has expanded exponentially and the growth continues to propel the increasing demand for technology and related equipment.

There has been massive growth in the advancement of DJ equipment from 'Simple' to 'Standout' technologies. Whether amateur DJs in search of their first DJ controller or pro DJs looking for an upgrade, it's all out there - modular DJ gears, club equipment that can work with the laptop, DJ software, or even a mini set-up built around the iPad or iPhone - it's all out there. According to Reji Ravindran – PALM DJ Championship Director, the year 2016 has witnessed phenomenal technological innovations with Ableton making the Link Technology available to the wider music making community as a built in feature, as a growing number of iOS apps. Pioneer too released the new software - Rekordbox Dj that caters towards its entire range of MIDI Controllers. The edjing Mixfader has brought something different to the market with its cool innovative wireless crossfader. PlayDifferently's Model 1 professional analogue six-channel

DJ mixer with a wealth of connection and set-up possibilities, issues a new approach on how to play. "DJ technology by force of individuality and idiosyncratic artistry is now graduating to custom built consoles. The modularity of the components allow bespoke consoles assuring the DJ of delivering his peculiar artistry," says Anil Chopra, Founder PALM DJ Championship.

However despite the leap in technology India still remains relegated to the old gear as most brands are not available in India. "It's the mistake of the distributors and their lack of vision. They believe that the end-users are neither well-informed, nor tech savvy, while the fact is that the crowd is well informed, aware and knows how to use these products," adds Reji.

**PROTIP:** Key qualities that one should have are interest in Music, confidence to perform in front of the audience and varied aspects in performing this Art. With a whole lot of youngsters showing great enthusiasm to leap into Djing, the industry has witnessed the mushrooming of professional DJ institutes viz Global DJ, Partymap, DJ Chetas school of music which enlighten their students in various fields; to name a few - music theory, console and equipment, beat matching, music genre, mixing and recording etc. And these professional DJ institutes can be found not only in major metros but also in 2 and 3 tier cities.



**SCOPE:** Industry protagonists like Pioneer DJ have dominated the DJ industry since over a decade now with its impactful prominent products. But recently India has witnessed brands like Denon, Reloop and Native Instruments making their mark in the Indian industry.

The DJ industry has and is expanding exponentially. PALM has served to be a platform for budding passionate DJs all across India, with DJ REJI as their idol and guide. PALM EXPO has become the centre of attraction for all DJs, which is one and the only platforms of its kind, in India that promotes and nurtures upcoming DJ talent while also bringing best DJs of the country under one roof, on one stage.

With its continuous efforts, the PALM has been instrumental in promoting DJ talent via the DJ CHAMPIONSHIP. It gives new talent an opportunity while also laying a lot of emphasis on the prizes. The DJ Battleground witnesses cut throat competition with the aspirants giving their best shot towards their way to glory.

## PALM 2017 to welcome...

*(Continued from page cover page)*

and more Indian manufacturers, thus promoting the government's initiative of Make in India. Like the 2016 edition, this year also the expo will boast of separate halls for lighting and prosound + music production. **Hall 1** is the audio hall with equipment for pro audio & studio recording, installed sound, PA systems, Microphones, Music Production and Broadcast and AV Technology. Hall 5 which is the lighting hall will showcase stage lighting & machinery, truss & rigging, laser & effects and DJ gear. YAMAHA MUSIC, will display an entire bouquet of products which includes Wireless speakers and preamps, VXS Series M and S compact surface-mount speakers and subwoofers, MX series and Montage synthesizers and the RS 320 Series Yamaha Guitars in the **Yamaha hall** – hall **2B and 2C**. With the festival and live stage entertainment industry

in India growing by leaps and bounds, there has been a good demand for large and small format line arrays and sonic quality loudspeaker systems. **The Open Air Line Array Demo** will showcase some of the best line array systems in realistic conditions. This year the venue for the demo has been relocated to Ground 1, visitor parking, BEC. **The Demo Qubes** will enable audio companies to demo their latest sound systems with ease in a very private cube structure that is specially created for this feature while the **HARMAN Live Arena**, will be back once again with performances from some of the biggest artists and bands. Both the exhibit features will boast of state-of-the-art equipment. This year the Harman Live Arena is relocated to a new location in Hall 6, BEC.

With the continued growth in rental companies in India who are investing in stage and installed sound and lighting technology, the country's pro audio, light and AV industry is zoned in an upward vertical arc.

# Narain Audio & Lighting to showcase NX Audio and Proton

**Narain Audio & Lighting LLP** will be introducing new products from their brands NX Audio and Proton that are known for offering value for money. The new launches will include **Rock EUR, Rock UR, UHF100** and **UHF200**.

Adding an extra flavour to the showcase, the company will also introduce **NX Audio's Slam 5, M5K, N14K, IT Series Amps, DJ Media 6000V, DJ Media 4000DJ Midi, Carbon3 BU Mixer, Symphony Series, FMU14 Mixer, DC26Q, ARIA** and **VOX** mics, techno and club series speakers.



AudioProton Rock series offers two popular models, which ensure Hi-Fi sound and high damping factor, suitable for multi- power output. ROCK-EUR Series is a 19" Professional PA Amplifier, Built-in MP3 USB player with Recording & Remote that comes in two models, the ROCK 300EUR and ROCK 200EUR.

Rock series is mixer PA amplifier Rock 500 UR with 500watts and Rock 300 UR is 300 watts six unbalanced mic inputs, along with 2 Aux inputs and a built -in MP3 playback facility. Apart from the MP3 facility Rock can be operated with USB pen drives and SD cards as well .A Back it LCD Display shows the track being played and also has a timer. The Master output is for connecting to booster amplifier and line input for connecting external PA audio mixer. It comes with the preamp for recoding on a cassette recorder. Tonal adjustments are provided for the Cut- boost type treble and bass controls, with A-5 LED array display output.

The other products on display are as follows:

SLAM-5 Professional DJ Headphones is a high definition headphones which is precision-engineered to reveale the full sound of today's digital music including the most sonically demanding rock, hip hop, and R & B. The M5K from NX Audio offers a superior 5400W

RMS output at 4 ohms from a 1U chassis. Delivering 1350 Watts RMS x 4 Ch @ 4 ohms the M5K uses latest Digital Amplifier Technology for efficiency of 96%. It has full function protections for overload, short circuit, DC, UHF, thermal, and clipping. With Soft start and limiter, the M5K has all the bases covered. The M5K has a smooth output waveform for an extremely flat frequency response.

The Symphony series designed to offer all the features required in a Portable live Mixer at very economical prices builds on the legacy of the popular F series offering 2 aux, 3 band Eql, Pan, Mute and PFL on each channel plus Direct USB playback on the master channel and Digital 24 Bit Effect Processor with display, XLR Balanced Outs and TRS Unbalanced outs. Individual PFL, Echo, Peak, LEDs on each inputs are provided. Phantom with LED indicators is provided for connecting high quality condenser mics for great sonic performances and voice pickup from distances. The Symphony series come with built in USB. The user can directly play songs from the USB and the USB functions include REW, FF, Play, Pause and Repeat, the display indicates the USB functions. The Symphony series comes in 3 forms of mixers, the 8 channel, 12 channel and the 16 channel.

The ARIA-Series are dynamic vocal microphones, encased in a strong metal body which will withstand vagaries of nature and abuse. These series have sonic quality capsules for high performance PA and DJ use. They come packaged with 6.0mm thick



4 meters high quality cable. On one side is XLR female connector and P38 Jack connector on the other side. Also included is a shockmount with brass threading for long use and a special custom designed cloth pouch with nylon lining and zipper is also provided to keep your microphones safe. The entire package comes in a hard case for long time use. The ARIA Series comes in the following models: ARIA57, ARIA58, ARIA835e, ARIA935e, ARIA55 and ARIA68.

Narain distributes products all over India with dealers located across the the country. The company has installed thousands of projects involving design and setup of professional Pro Audio Systems, Live Sound Reinforcement, DJ Setups and Commercial Sound Applications. **Hall 1 - B09**



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# Pink Noise to display Revolabs and other products

At PALM 2017, **Pink Noise Professionals** which caters to many industries like corporate, broadcast, live sound, public sector, hospitality, studios etc. will launch **Icon Pro Audio ULTRA 4**, an audio interface with superior quality AD/DA Convertors and dynamic range. Icon designed this latest 24-Bit 96/192KHz 2-In/2-Out audio interface to provide superior sonic quality, a low noise floor, and ultra fast processing in a rugged, compact, versatile desktop unit. The user can record two instruments at once through two high quality preamps each equipped with individual gain, phantom power, and LED level indicators to dial in their sound. Plus the Ultra 4 comes complete with ProDriver VST, the innovative VST rack, plug-in host, and virtual signal router. The user can run it in standalone mode or with their favorite DAW. They can pull up their guitar modeling VST and play, or plug in their midi controller and power their favorite virtual instruments without running through their DAW. Pink Noise Professionals have also added a suite of music production plug-ins for advanced processing.

Another new launch includes **Avantone Pro MixCubes**. Studios primarily use 2-way and 3-way larger monitors designed to represent a wide range reference viewpoint at higher listening levels. However, in this newly developing age of High Definition Audio, there is still a need to also hear what your mix will sound like when played back over small "bass-challenged" systems such as televisions, clock radios,



computers, car stereos, iPod docking stations and others. It is important to make mixing judgments based partially on listening to reference monitors that will not impart tonal anomalies caused by crossovers or inferior full range drivers. Particular attention is always

paid to the critical mid-range vocal/guitar/keyboard areas. This is where having a full-range monitor without a crossover is truly revealing. Ten months of R&D comparative listening & tweaking went into the voicing of the AVANTONE MixCubes. The result is a very smooth sounding, full range upgrade from the original 5C Sound Cubes.



Listening tests reveal that the MixCubes have a smooth, more open, transparent top end response with extended bass while maintaining their basic original character.

Also on display will be **Work Pro Audio Blueline Digital**, which is a distributed audio system based on streaming using Ethernet. It is possible to transmit several channels (+ control) via Ethernet as data and with very low latency. The central system is IP, so it is possible to monitor the network to know at anytime if a device of the system is not working properly. If something happens, a warning message is automatically sent to users in order to check the system. Thanks to the Plug & Play system, integrators do not need



any technical knowledge about networks. BlueLine Digital is also compatible with other public address systems. It can be used to transport several channels through the network. It is possible to connect power amplifiers with high output power which are designed for 100 V line installations. This is an opportunity to manage low and high voltage installations in the same audio system. As a result of the channel modules, integrators can adapt BlueLine Digital to the needs of the installations. A versatile, distributed audio system gives the possibility to manage the unit with mobile devices. With the OSC protocol, it is possible to remotely control BlueLine Digital System using mobile devices such as smartphones and tablets. The company will also be presenting the **Revolabs Yamaha YVC-1000** which is a Bluetooth enabled conference phone

system for medium to large conference spaces that calls for flexible audio, web or video conferencing. The YVC-1000 features separate microphone and speaker units that smoothly integrate audio and video for natural, comfortable remote communication. The high performance, full range speaker unit can be placed close to the video display so that audio and video from the remote location blend naturally, while adaptive echo canceller and other Yamaha sound processing technologies facilitate stress-free conversation.



The YVC-1000 enables 5 distinct microphones to be daisy-chained together for clear communication by all meeting participants. **Hall 1 - E47**

## Shenzhen Glosline to display LED for outdoor and indoor

The professional and high-tech company, Shenzhen Glosline Technology Co., Ltd., located in Shenzhen, will be demonstrating LED displays - **LS4.81** for outdoor and **W3.91** for indoor at PALM 2017. Shenzhen Glosline produces over 6,000 square meters of LED Screen per month in its 15,000 sqm



factory area. These products mainly include indoor and outdoor full color LED screen that can be used for rental, media and other fields. In addition, all of these products are certificated such as ISO9001:2008, CCC, FCC, CE, ROHS, MET, ETL etc. **Hall 1 - E79**

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USER PERSPECTIVE: Yamaha Rivage PM10 Put To The Task By Chl Fre@k

PROJECTS: Scratchley's On The Wharf Expands With New Eye-catching Space  
LIVE: Sheikh Zayed Heritage Festival | LIVE: Robe Celebrates Singapore Chingay Spectacular

# Sun Infonet's Expertise at PALM

**Sun Infonet** will bring new products at PALM this year which includes technologies from brands like Shure, Quest Engineering, Allen & Heath and Audiofocus.

**Axient Digital Series** by Shure - Incorporating the most innovative wireless audio technology in the world, Axient Digital was engineered from the ground up for professional productions



that demand flawless execution. With a level of signal stability and audio clarity, plus flexible hardware options, advanced connectivity, and comprehensive control, it's a wireless system built to take on the challenges. Both AD series and ADX series transmitters are compatible with a shared Axient Digital receiver platform. This scalable wireless system includes a groundbreaking micro-bodypack and provides incomparable sound for a wide range of applications and settings. With superior signal quality in even the most complex, crowded environments, Axient Digital ensures maximum stability, range, and clarity; also defies limitations for both RF and audio quality. It features industry-leading low latency, transparent frequency response, and wide dynamic range.



The **MXC601** by Quest Engineering is a premium quality ceiling speaker with a wide range of installation and wiring possibilities. As a 16 $\Omega$  loudspeaker up to four units can be connected to achieve a 4 $\Omega$  load to an amplifier. This allows for up to eight speakers to be connected to a stereo amplifier with the result being a very high fidelity distributed system. Multiple 70/100 volt tapings and also an EQ contour can be selected from the front baffle of an installed speaker. This allows for fine tuning after installation if desired. It is ideal for architects and venue designers to create a seamless full range audio.

Clear sound and low visual profile; **QTC2080i** by Quest Engineering is the high fidelity solution where full range commercial audio is required. It is a handy audio tool when applied to the broad requirements of today's sophisticated commercial sound environments. The QTC2080i can be wired as a 16 $\Omega$  low impedance speaker or a 70/100 volt installation with selectable wattage tapings.

Another product from Quest Engineering is the **MXS10 Subwoofer**. It is a ultra-compact solution for permanent installation, architects and venue designers. The MXS10 is suited for low and mid sound pressure level bass in a multitude of varying environments. It is ideal as stand-alone bass extension to a distributed background music system, or as multi-unit system in a bar, café, or medium sized function space.

Not just another new speaker range, the MX Series is a system of audio building blocks that allows architects and venue designers to create a seamless full range audio presence, without compromising on aesthetics. The range is based around a 6" or 8", two-way, full range, wall or ceiling mountable loudspeaker and can be augmented with a very compact subwoofer system. Ceiling speaker versions are also available. The Ultra-compact MX601 and MX801 loudspeakers are very low profile and feature Hi-Fi quality audio reproduction, withstand direct all-weather environments, and include an installation friendly mounting system that is both elegant and practical.

**Allen & Heath dLive C3500** is the largest C Class control Surface for the dLive MixRack. It features 24 faders over 6 layers, built-in audio I/O and networking port, dual 12" capacitive touchscreens and the innovative Harmony UI for the fastest



workflow in the industry.

**Allen & Heath dLive CDM64-** The MixRack is the heart of any dLive system. It houses the XCVI processing core complete with audio I/O, control and audio networking ports. It is typically connected

to a dLive Surface, but can also be controlled at the same time as or even without a Surface using a laptop or iPad, Allen & Heath IP remotes or third party controllers via TCP/IP. There are different sizes of dLive MixRack available. All feature the same mix engine and can work with the full 128 channels by adding DX expanders or digital sources.

**Allen & Heath GLDG112 Gold Edition**

- GLD is a user-friendly, cost effective and scalable live digital mixing system, conceptually based on the hugely successful iLive series. Plug n' play I/O expanders make it easy to build systems with up to 48 mic inputs, supported by a full suite of apps, software and personal monitoring solutions. Now in a new GLD Gold Edition, with sleek new styling, Automatic Mic Mixing, new embedded plugin FX and new compressor models on all channels.

This mixer has been created to appeal to those customers who love to own unique and exclusive equipment. For this limited edition, the company has commissioned high quality gold finish rotary controls, fader caps and armrests to create a stylish, unified look, completed with gold finish side inlays and front panel detailing.

**Audio Focus MTSub 218MKII** is a powerful state-of-the-art subwoofer designed for a wide range of sound reinforcement applications from outdoor events and concert halls to theatres where high-end sound quality and return on investment are crucial. The sensitivity is provided thanks to its absolutely unique subwoofer design.

Dual 18" Fatial Pro offers efficiency of 106dBspl 1W/1m 2pisr and a wide bandwidth 40-110Hz @-3dBspl. Power handling of MTsub218 MKII sub bass is 1400Wrms and active version is capable to reach 2000 Wrms due to its internal high quality Powersoft Digital amplifier.

**Audio Focus ARES 8A** -ARES line array systems are suitable for a wide range of sound reinforcement applications from small scale concerts and theaters to large festivals and concert halls where sound quality is crucial. ARES 8 line array system is suitable for a wide range of sound reinforcement applications from small scale concerts to theaters where

*(Continued on page 35)*



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# Sun Broadcast Equipments to display Tascam range of products

First time exhibitors, **Sun Broadcast Equipments Pvt Ltd** will be presenting the TASCAM range of products at the show. The new product arrangement will comprise of **DA-6400** a powerful tool to record/play 64 -channels in live show, a multi-purpose **CD-A580** that plays from



cassette, CD or USB flash media, **SS-R250N** one of the advanced solid-state recorders on the market using technology like Dante and networking to integrate into any commercial environment and **DR-10L** which is an ultra-compact, incredibly convenient digital recorder/lavalier microphone combo.



TASCAM's DA-6400 is an all-new 64-track recorder that records to an internal SSD drive caddy for live and event recording. Professional I/O options like MADI and DANTE make it ideal for live recording, event capture, or as a backup for critical DAW sessions. Available with a single or

dual/redundant power supply, the DA-6400 is an unbeatable option for professional remote recording. Included with the DA-6400 is an AK-CC25 hot-swappable caddy containing a high-performance 240GB TASCAM solid-state drive. The caddy includes a USB 3 jack for stand-alone use – simply hand the drive to the client to offload the BWA files into their DAW session.

The DA-6400 records 64 tracks at 48kHz/24-bit or 32 tracks at 96kHz/24-bit. Included on the rear panel are SMPTE timecode, word clock, RS-422, parallel and Ethernet connections.

The multi-purpose CD-A580 plays from cassette, CD, or USB flash media. Cassette and USB recording is also available, allowing cassettes to be archived to USB as MP3 files.

The CD-A580 combines a cassette deck, CD player and USB flash drive recorder/player into a single rack-mountable

unit – ideal for installation and professional applications. A CD player and cassette tape recorder are joined with USB flash drive recording. Not only compatible with the most popular types of media, but the CD-A580 also allows cassette tapes to be dubbed to USB media for archival.

**SS-R250N** is the ideal SD card recorder/player having a variety of features with extensive terminal equipment applications and business applications. An FTP client function is added which enables the exchanges of sound source data with others via server communication. The user can also keep the starting time accurate for recording and playback based on time management via SNTP. The remote control with the dedicated app on an iOS/Android device, and the mic inputs are also available on the unit which allows the user to use in many ways with flexibility.

The TASCAM DR-10L is an ultra-compact, digital recorder/lavalier microphone combo. For added flexibility, the included wired lavalier microphone is affixed via a 1/8" screw-down lock connector compatible with most Sennheiser lavalier mics and



mics with the same connector.

Designed for both the creative filmmaker and the busy videographer, the DR-10L is an immensely powerful problem-solving tool, delivering professional sonics and revolutionary convenience. **Hall 1 - H85**

(Continued from page 25)

effects engines, ULTRANET connectivity for P-16 Personal Monitoring System, 6 aux and main LR buses with inserts, full dynamics processing and 6-band parametric or 31-band graphic EQ, 6 XLR aux outputs and 2 XLR main outputs plus phones connector, 40 bit floating point digital signal processing.

**Midas MR12**- 12-Input Digital Mixer for iPad/Android Tablets with 4 MIDAS PRO Preamps, 8 Line Inputs, Integrated Tri-Mode Wifi Module and USB Stereo Recorder, 4 digital signalprocessing effects engines, 6 aux buses and main LR with inserts, full dynamics processing and 6-band parametric or 31-band graphic EQ, 2 TRS aux outputs and 2 XLR main outputs plus phones connector, 40 bit floating point digital signal processing

**Klark Teknik DN 200**- Active

DI Box with High-headroom design with +48 V phantom power for Extended Dynamic Range and Sum/Split Options, Balanced line input on Neutrik\* XLR and high impedance input and link output on 1/4" TRS connectors, Global 20 dB input pad and earth lift switches, RCA Phono inputs for connection of consumer audio equipment.

**Klark Teknik DM8000** is an Advanced Digital Audio Processor for Installation Applications with Configurable DSP, Audio Networking and 8 Channels of wide band Acoustic Echo Cancellation (AEC), 10 high-headroom analogue universal mic/line inputs, 6 electronically balanced low impedance line level outputs, RS232 connector for interfacing with 3rd party



**Behringer U-CONTROL UMX 610**

control systems.

**Tannoy TKT122** and **TKT 102** -2 way full range loudspeaker for KTV applications, and **TKT 105** -3 way full range loudspeaker/

Also on showcase will be **Behringer's** several products- U-Control UMX 610, EP 2000, EP 4000, NEKKST K 5, NEKKST K 6, NEKKST K 8, NEKKST K 10s, DEEPMIND 12, ULTRALINK MS8000, XD 8USB and XD 80USB.

Alphatec Audio Video Pvt Ltd, an authorized distributor of **Music Group** in India strives to bring users the premium offerings from their brands. The Music Group is one of the world's largest holding companies for pro audio and music products brands and provides a comprehensive product range covering multiple product categories to a wide spectrum of end-users including professionals, corporations and amateurs, as well as for public and commercial applications. **Hall 1 - F09**



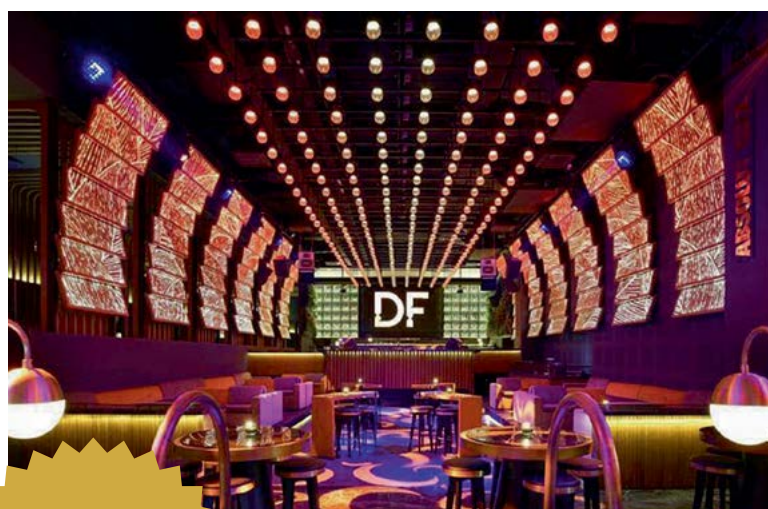
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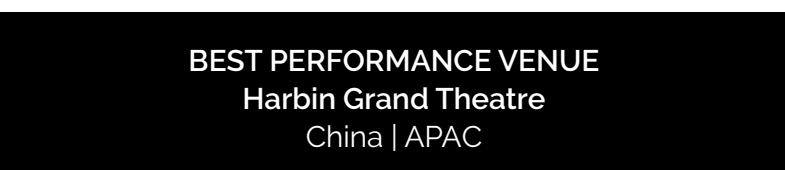


## The Winners



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Harbin Grand Theatre  
China | APAC



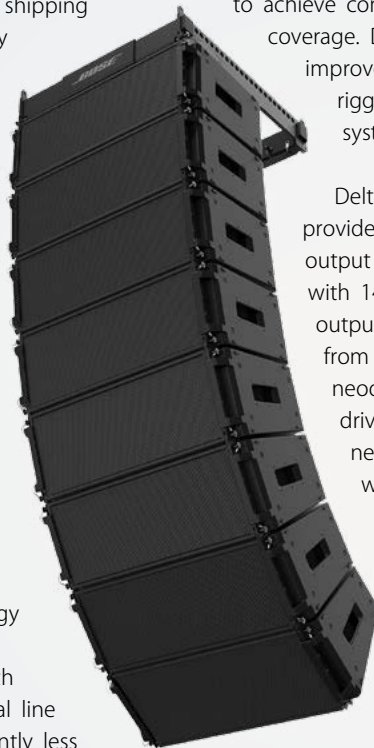
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# Bose Professional Now Shipping ShowMatch DeltaQArray Loudspeakers

**Bose Professional** is now shipping new ShowMatch DeltaQ array loudspeakers for both installation and portable applications, with field-changeable waveguides that help provide the best possible sound quality throughout the audience area. ShowMatch DeltaQ arrays provide significant advantages over conventional line array loudspeakers.

DeltaQ array technology improves sound quality and vocal clarity by providing selectable coverage patterns that direct more sound energy to the audience by allowing directivity, or "Q," to vary with each array module. Traditional line arrays typically have significantly less pattern control.

ShowMatch full-range array loudspeakers are available with 5-degree, 10-degree or 20-degree vertical coverage with class-leading versatility that allows J-array, constant-curvature, or DeltaQ array configurations. Conventional line arrays can require up to twice the box count compared to DeltaQ arrays



to achieve comparable vertical coverage. DeltaQ arrays can improve sight lines, reduce rigging weight and lower system costs.

New ShowMatch DeltaQ array loudspeakers provide the highest full-range output for their size class, with 145 dB peak array output levels generated from four Bose EMB2S neodymium compression drivers and two 8-inch neodymium woofers with more usable low-frequency output in smaller arrays.

ShowMatch loudspeakers feature field-changeable waveguides that vary horizontal

coverage to better match audience coverage needs and can form asymmetrical patterns for improved acoustic performance in left/right arrays. Modules ship with both 70-degree and 100-degree waveguides, with optional 55-degree and 120-degree kits available. Compact, road-ready enclosures with removable side caps optimize design for both installed and

portable applications – from small clubs and houses of worship, to the largest performing arts centers and concert-sound amphitheatres. Integrated rigging allows up to 24-box arrays.

A matching-width 18-inch ShowMatch DeltaQ subwoofer provides low-frequency extension down to 30 Hz. Integrated rigging allows mixed arrays with full-range modules, or subwoofer arrays including cardioid and ground-stack configurations. The subwoofer measures 21.2" x 30.1" x 30.5" (540 x 765 x 775 mm) and weighs 136.5 lbs. (61.9 kg).

Also offered is a full set of rigging accessories including array frames, pullback brackets, ground-stack brackets, pickup-point adapters, and fixed-installation quick pins.

## **Bose ShowMatch DeltaQ full-range module specifications:**

SM5 measures 10.6" H x 31.2" W x 18.4" D (270 x 793 x 467 mm) and weighs 67.5 lbs (30.6 kg)

SM10 measures 11.1" x 31.2" x 18.3" (282 x 793 x 465 mm) and weighs 65.5 lbs (29.7 kg)

SM20 measures 11.9" x 31.2" x 18.1" (303 x 793 x 461 mm) and weighs 64.0 lbs (29.0 kg)

Frequency response of the full range models is 59-18,000 Hz (-10 dB).

**Hall 1 - H29**

## Circle Pro to launch range of new wireless mics

**Circle Pro Audio** is all set to launch its range of new wireless microphones at the PALM Expo this year. This model boasts a unique feature where it can be compatible with a Shure SM58 or Beta 58 Heads and at the same time is compatible with a DPA SL1 convertor to use the DPA cartridges.

"We were working on a model that works and coexists with existing brands and we are confident about our infrastructure. We wanted to implement this with the other heads and are hoping people like this" says Sachit Subramanian the Director of Circle Pro Audio.

The company is also excited about their own head which comes with this product and claims it's as responsive and clean as the previous ones that they had. The receiver is 32 Band True IR Sync receiver and Strength of over 100 mts (Line of Sight). "Circle

Diversity gives a RF Strength, people were



excited about this, so we wanted to work this with something new and hence comes this model" says Nixon Johny the Director of Circle Pro Audio.

Apart from this the company has joined hands with Biren Seth from Kiran Sales Corporation to form 360 Pro Solutions, for distribution of brands including GUIL which is a Spanish based company, "We are currently doing various products like stands, lifting towers, etc. for this brand and slowly will switch to much needed products which are missed in the Indian Market" says Biren. Circle Pro will also showcase multiple products like cable managers, rims for cables, and custom made power panels in the Show. **Hall 1 - B51, C51**

(Continued from page 30)

sound quality is crucial. AUDIOFOCUS ARES 8 offers all the benefits of real line array respecting all WST criteria. Dual 8" Fatial Pro handles low-mid frequency range while a 1.4" exit compression driver coupled to a waveguide provides smooth top end.

**Audio Focus FR-X A Series Speakers FR-X 12 a & FR-X 15a** -The FR-X range (constant curvature) features compact 2-way active or passive enclosures loaded with neodymium speakers and

ferrite compression drivers coupled to a versatile AF horns. Optimised for medium throw applications where clarity and high SPL is crucial. Operating over nominal frequencies from 50 Hz to 20 kHz, model dependent, the rotatable AF horn generates a 80° x 30° asymmetric directivity pattern.

FR-X 12a & 15a are compact, 2-way, self-powered enclosure. It features one 12" & 15" neodymium speaker in a bass-reflex enclosure and one 1.4" ferrite compression driver coupled to a versatile AF horn.

**Audio Focus CM Series Speaker CM12**  
a- CM series are coaxially constructed

2-way self-powered systems. The CM range addresses the need of strong, ultra compact wedges with a cut-off of low frequencies. Whether pole mounted or arrayed, the proprietary Audiofocus technology make them highly versatile units in your professional sound reinforcement inventory for stage monitoring and FOH applications.

The company will also showcase full range of **TM-Series microphones** - **TM-280, TM-180, TM- 80, TM-60, TM-Drums, TM-2X, DR-10SG, TM-AR1, TM-AG1, TM-PC1** and **TM-ST1**. **Hall 1 - J09**

## Audio-Technica Introduces the AT-ONE entry level UHF system

**Audio-Technica's** entry level UHF wireless system will be introducing **AT-One** at PALM. With a 2 x 4 channel frequency plan for enhanced flexibility, sturdy but stylish build quality and a simple user interface, AT-One is ready to become an ideal wireless companion.

Created with simplicity and ease-of-use in mind, the AT-One was designed as an ideal solution for performers and presenters seeking a fuss-free wireless set-up.

It ships with a carrying case, rack-mount kit and detachable antenna. Available in three configurations, AT-One can be purchased with a belt-pack or handheld transmitter. The ATW-13F handheld system features the ATW-T3F cardioid condenser handheld transmitter, again with 10mW RF output and 10-hour battery life. The belt pack offers a sturdy and discreetly designed construction, providing 10mW RF output power, damping switch and a battery life of up to 10 hours. The ATW-13F handheld system features the ATW-T3F cardioid condenser handheld transmitter, again with 10mW RF output and up to 10 hours' battery life. The ATW-13F's condenser handheld microphone's capsule helps prevent the possibility of feedback when used in venues with induction loops installed. Finally, the ATW-11/PF lavalier system comprises the ATW-11F belt pack system with included ATR35cW tie-clip microphone.

### FEATURES

Designed for quick and easy use, the frequency plan of AT-One is divided into two groups with 4 channels available in each group, one in the range of

authorized European frequencies and the other in the duplex Gap. The users can choose up to 4 channels in a group and the ATW-13F system is equipped with a cardioid condenser handheld transmitter with RF transmission power 10mW and up to 10 hours battery life with 2 x 1.5V AA batteries. AT-One also features robust



construction from high quality components and can be delivered in a transport case with a rack mount kit and detachable antennas. **Hall 1 - B39**

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# WHAT HI FI? SOUND AND VISION SHOW 2017

22-24, Sept '17  
New Delhi

The What Hi Fi Show is the grandest hi-fi show in the country. It is host to some of the biggest names in the high-end A/V industry like Bowers & Wilkins, Nagra, Focal, McIntosh and many more. The show is also a platform for home-automation experts and other industry professionals to connect with a wide and the right audience.



# Rivera Digitec Presents New Products from Brands like Roland, Samson, Shure, dBTechnologies and more

The Mumbai-based **Rivera Digitec** was established in 1997 with exclusive distribution rights for a number of leading brands in the Music Industry. The company has bigger plans for the year 2017 and will showcase at PALM Expo an impressive series of new products. In India, Rivera has a wide network of sales offices that is in Mumbai, Delhi, Kolkata, Chennai, Bengaluru, Hyderabad and Indore.

On display at PALM will be the **Roland products like Rubix 22 - USB Audio/Midi Interface, Rubix 24 - 2-IN/4-Out, high-resolution Audio/Midi Interface for Mac, PC and IPAD and Rubix 44 - USB Audio/Midi Interface.**

These Rubix products offer an ideal balance of high-fidelity sound, solid build quality, compact size, affordable price,



and crucial features for today's musicians and producers. With support for high-resolution audio up to 24-bit/192kHz, Rubix22 sounds clear and defined and is carefully engineered to have extremely low noise from input to output. Its near universal USB support means it works seamlessly with Mac and PC computers, and even supports iPads, for the ultimate in portable music production and performance.

Also on showcase will be the **Roland GO: Mixer for Smart Phone** which is Compact, portable, and easy to use. GO:MIXER makes it simple to record high-quality audio in music videos and other video content created with smartphone. The users can just plug in GO:MIXER to capture a pristine stereo soundtrack directly to their video as they perform. With multiple inputs available, the users can connect a mic, musical instruments, and media players and mix them all together live while they shoot. Instead of relying on the phone's noisy mono mic or recording external audio

tracks that the user has to sync later in a video editor, they can now record top-quality audio in one quick and easy step. GO:MIXER is the ideal solution for adding a pro sound touch to your social media videos, helping the users to get more views and attract more followers!

The affordable **Roland GO PIANO: 61 Key Digital Piano**, is a top-quality portable solution that makes learning easy and fun. It features authentic sound and feel derived from Roland's premium home pianos, and supports Bluetooth for working with music education apps on your favorite



mobile devices. Adding in built-in speakers, convenient practice features, and more, GO:PIANO is the ideal companion for starting the user's piano-playing journey.

The **Roland Aerophone AE-10** is a trailblazing digital wind instrument that fuses traditional sax fingering with the flexible onboard tones you need. Seasoned players will feel instantly at home with the familiar saxophone fingering system, responsive SuperNATURAL sounds, and a breath sensor that reacts like your favorite acoustic horn. The large sound selection faithfully recreates saxophone models from soprano to baritone, plus wind instruments like clarinet and trumpet, string instruments, and even synths. With built-in speakers, battery power capability, and DAW connectivity, the Roland Aerophone AE-10 is the versatile, play-anywhere choice that supports the user in every musical scenario.

Rivera Digitec will also be presenting products from Samson and Shure. The **Samson QH4: 4-Channel Headphone Amplifier** is designed to distribute the audio to up to four individual headphones, each with its own volume control. Its compact design is ideal for use with any studio or desktop workstation, as well as with your laptop or smartphone when the user is recording on the go.

**Samson's flagship Z55-Professional Reference Headphones** meet the standards of critical studio reference head-on. The Z55s offer quality detail and clarity with an immersive soundstage and frequency response that's impeccably balanced. The Z55s deliver all the subtle elements of a

mix. No hype, just the ultimate in sound reproduction, comfort and convenience. Samson's goal when designing the Z55s



was to create a pair of headphones that aren't overly hyped, but play to experienced audio professionals. The Z55s feature a large 45mm driver, providing the widest, yet most balanced and detailed sound field of the entire Z Series line. These headphones don't trade audio quality for cost or convenience.

With two ultra-thin diaphragms and groundbreaking reverse airflow technology, the **Shure: KSM8 Dualdyne** delivers quality control of proximity effect, presence peaks, and bleed, and requires minimal EQ and processing. Its patented cartridge design features two ultra-thin diaphragms (one active and one passive) and a groundbreaking inverted airflow system, displays superior control of proximity effect greatly increases working distance without on-axis coloration, its Neutral mid- and high-frequency reproduction due to controlled proximity effect results in the most natural-sounding dynamic microphone available.

Its Neodymium magnet resides in a micro-injection mold of aerospace SoftMag material, maximizing the magnetic field for the highest output level. The Re-imagined Shure Pumping Pneumatic Shock Mount features tuned cavities, specific resistances, and precisely machined components fully integrated into the cartridge's acoustic properties, delivering quality rejection of handling noise without any loss of low-frequency response. The Patent-pending Diaphragm Stabilization System technology protects and stabilizes the active diaphragm from unwanted movement from plosives or impact and Dent-resistant; hardened



carbon-steel grille design lined with hydrophobic woven fabric provides exceptional water, pliosive and wind protection.

Rivera Digitec is also the distributor of **Zildjian Cymbals** in India and will be introducing the **new K Custom Special Dry** collection at PALM. This new cymbal voice is an extension of its world renowned K Custom family of cymbals,



re-mastered for today's modern musical styles. These raw and earthy cymbals deliver a dry, funky sound with lots of dirt for a unique expression of personality. An innovative three step hammering process, distinctive shape and extra thin weight give the cymbals a fast attack, while shutting down quickly with just enough sustain. This sound, combined with the dark, dirty appearance make the new K Custom Special Dry exactly what today's drummers and percussionists are looking for.

"The dry and dirty sound is something we have been looking to expand upon since the original introduction of the Special Dry models over a decade ago. However, we wanted to ensure the remastered collection featured the right sizes, styles and sounds to truly stand out across the industry," said Paul Francis, Zildjian's Director of R&D.

There are models available in this collection, from 10" Splashes to 23" Rides. Some highlights of this collection are the larger size Crashes (up to 22") which allow drummers to experience louder volume with trashy overtones. A dynamic 14" FX HiHat Top (sold only as a top) with a unique hole pattern emulates a "filtered" sound coveted by many of today's drummers and music producers. The Trash Crashes and Trash China create a unique white noise sound that projects through any live performance, making them the perfect cymbals for accents.

Each of the K Custom Special Dry cymbals were made from Zildjian's legendary



80/20 bronze secret alloy at the only USA based cymbal factory in Norwell, MA.

On display will also be the new **dBTechnologies VIO** series, a fully powered line array and sub series intended for large sound reinforcement applications.

A unique design and advanced DSP programming come together to deliver imposing sound pressure levels, a superior control of dispersion and the detailed audio performance.

The new VIO series consists of the VIO L210 speaker with two 10-inch woofers and a 1.4-inch HF driver. A unique internal acoustic design and advanced sound processing merge to deliver quality performances in terms of sound pressure, coverage coherence, intelligibility and sound definition.

VIO S318 subwoofer has powerful triple 18" woofer system. These models are easy to install and configure and are ideal for small to medium-sized stages.

**Demo Qube No 3.**

## PROTECTING IPR



### Protection of Original Brand and Product Identity

New technology and design are introduced at Trade expos. With a view to provide a Neutral and independent platform that recognizes this need and opportunity to support new pro audio and lighting development and their success in the market, the PALM India is making an initiative that will clearly define the PALM India Expo as a platform that supports copyright in product design and technology.

### PALM Expo, India Supports ORIGINAL BRAND and DESIGN.

We work closely with all international brands and global companies who are affected with such copyright violation. We want the Indian market to be proudly supporting the use of original products made available through regular channels at internationally competitive prices.

We will coordinate and liaison with the Indian bodies and organizations which can ensure your brand and design is protected.

# Ultracoustic's new Planar Hybrid Acoustic Panels at PALM

At PALM 2017, **Ultracoustic** launches five new designs of planar hybrid acoustic panels- **LIVIA, VITA, NERO, ZENA** and **ROMAN**. Each has its own unique appearance and working pattern. The products are designed to be seamless in looks and it allows changing its orientation creating more and more designs.

Livia is a beautiful panel with curvy design which gives a warm feel when looked at and with glossy finish- Livia stands out. Livia is more of an absorption based panel, it absorbs at all frequencies in mid to high range but its absorption works optimum in low mid to mid frequency range. While it is a good absorber it diffuses some of high mid to high frequencies. Livia can be used in spaces where there are resonances at low mid frequencies and or where one needs diffusion in high frequencies.

Nero is a panel which plays safe. It is a simple, honest and basic design. It has semicircular design pattern which when combined with more panel creates big and small circular patterns with perforations or it can create wavy patterns which soothes the eyes. The working of Nero is similar to Livia but Nero is a better absorber in low frequencies.

Zena as name suggests is a panel with zing, when few panels combines it creates an electric and a psychedelic design. This panel is very artistic in nature. Acoustically speaking Zena is more of a diffuser type making Zena a complete diffuser in high mid and mid frequency ranges while a proper absorber in low mid frequency range.

Zena can be used in spaces where there is a lot of absorption and the space needs brightness or like Livia for absorbing low mid frequencies. This panel can also be used in recording rooms where an instrument need more reverb or brightness.

While Livia, Nero and Zena are based on two different types of perforations Vita is different. Vita has three types of perforations to fine tune absorption of low frequencies equal absorption and diffusion in mid and high frequencies. Vita as the name suggests will tighten the room and give a new life to it. It has a very sophisticated design with an edgy look. Vita is the panel which will complement offices, living room and home theatre.

While all the panels are based on the theory of tuned absorption almost similar to Helmholtz absorption, Roman is based on diffusion theory. Tuned absorption means absorption on only the target frequencies but diffusing the rest. Roman on the other hand was designed by a sequence used to design diffusers that is maximum length sequences (MLSs) acting more as a diffuser. It has a very sharp slotted design and acoustically a very fine diffuser as it will spread energy uniformly, simultaneously absorbing the unwanted frequencies. This panel can be highly used in performance spaces.

All the above panels are carefully designed for pro-audio section and are products of premium range with high gloss finish and high quality foam or mineral backing. Except Roman all the other panels can be arranged to make 16 new designs according to client's view of interior and acoustically combined to give a balanced room. In conclusion these

panels have something for everyone while complimenting the high end audio systems and interiors.

"Studios, home theatre, conference rooms, auditorium, restaurants, clubs and others are spaces where designed interiors are highly demanded which has lead acoustics not only to be about sound but about interiors as well. Interior is a subject of perception and blending everyone's perception is a strenuous task. After years of research Ultracoustic has developed designs which not only work acoustically but add value to interior. Technically, these are called planar hybrid surfaces," says Abhishek Khandelwal, Director, Ultracoustic.

"Planar Hybrid Acoustic panels are combination of an absorber and a diffuser. Absorber means absorbing acoustical energy and hence reducing the level of sound. Diffusers help in spreading the sound uniformly, try to help clearing phasing problem and make room sound brighter. These panels can be used where a client demands wall to wall absorption for example home theatres. Simple applying absorbers wall to wall will make the room very absorptive, psychoacoustically speaking it would sound dead. These hybrid panels diffuse some energy at low and high frequencies and absorb some energy that is reducing absorption at mid and high frequencies, which is not possible with a plain absorber or diffuser effectively; if applied wall to wall the room would sound balanced. These panels are very sleek in design hence taking up less space which is of huge advantage for small rooms," he added. **Hall 1 - G51**

(Continued from page 17)

The keyboard comes with a complete suite of music production software. Included in the package is Steinberg Cubase AI which features 48 audio tracks and 64 MIDI tracks, notation and built-in VST effects, allowing the user to do complete productions. In addition the keyboard comes with compelling VSTs to get started, namely, Steinberg Prologue and the Yamaha YC-3B organ emulator.

Yamaha will also showcase **RS320 Series at the show**. Drawing an inspiration from London and Tokyo's Vintage street-racing motorbikes. Japan's heritage of engineering excellence and the 50-yr legacy of Yamaha Guitar Craftsmanship, every detail of each REVSTAR model have been carefully engineered to bring out the unique personality. From the curves and the contours of the ground-up body design to the distinctive colors and finishes the custom-wound pickups that flawlessly match the guitar's character, the REVSTAR collection

comprises a diverse lineup of instruments as unique as the guitarists who play them.

Yamaha also brings in **Montage 6, 7** and **8**. It is the new era in Synthesizers with industry-changing DX and the hugely popular Motif. Building on the legacy of these two iconic keyboards, the Yamaha Montage sets the next milestone for Synthesizers with sophisticated dynamic control, massive sound creation and streamlined workflow all combined in a powerful keyboard designed to inspire the users' creativity.



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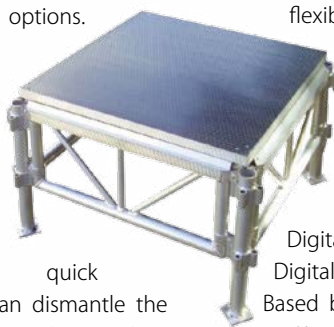
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# Krystals' new Premium Range of stage equipment at PALM

**Krystals Cables India Pvt. Ltd.** is launching their premium range of **Interlockable aluminium stage and Lockable mojo barriers** at PALM 2017 along with their latest addition to the Microphone cable family- **BETA Digital Cable**. The company claims that it has been able to achieve 110 ohms impedance with a larger conductor size.

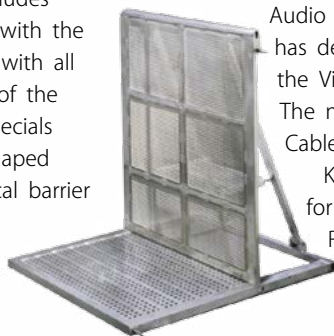
## Aluminium Stage

When it comes to outdoor stage or concert stage, aluminium and portable stages are the preferred options. They are available in different frame sizes with affordable price range - 8 x 4 feet and 4 x 4 feet. Aluminium stage has a higher load bearing capacity and stage formation is quick and stringer. The user can dismantle the structural elements easily and store them conveniently with less space requirement.



## Mojo Barriers

Mojo Barriers range includes special pieces compatible with the aluminium barrier system, with all the features and benefits of the aluminium barriers. The specials give flexibility to create shaped barriers and enable practical barrier configurations at events.



## Winch Stands

The heavy duty winch

stand with ultra durable construction highlights 17 feet height for flexible lifting options and it is capable of cantilever load of 180 kg, straight load of 250 kg. It also features collapsible construction with wheels that enables easy transportation.

## BETA Digital cable

The advantages claimed by Krystals for the new launched BETA Digital cable are larger conductor size for better transmission of signals. The ATC strands and lapping for low wear and tear cables enable higher flexibility with better protection

against interferences. The special moisture proof polymer ensures higher shield and grip for the inter twist lengths of the cores.

Earlier in the year they also launched an economy version of Digital Cable by the name of ECO-Digital Mic Cable, which is a Value Based balanced digital cable.

Krystals will be exhibiting the latest range of Microphone and Speaker cables for System Integrators, Consultants, and Hirers apart from their regular range of Audio / Video Cables. The company has developed few new cables in the Video and the networking sector. The new skewed Cat 5 and Cat 6E Cables will also be on display.

Krystals ensure superior quality for its customers with Technology, Research, Knowledge and experience of its team workers, as the key backbone

to a good quality product. Delivering consistent quality, Krystals puts in efforts for both forward and backward integration. Its in-house copper drawing and annealing ensure that they the purest of copper and in-house PVC compounding ensure quality and high flexibility for Krystals cables.

Krystals Cables India Pvt. Ltd, one of the leading brands for the Audio / Video industry covers Professional AV integrator, Concert Tour Hires, Broadcast Industry and others. It is the one of the first companies to manufacture aluminium trusses in India,



Pro Digital



Beta Digital

and KRSYATLS have been servicing the Indian customers with durable and value for money in aluminium trusses under their brand – KWIK TRUSS. The company also has one of the largest ranges of Cables and connectors. **Hall 1 - H19**

## Lighting the industry with Passion – OSRAM

**Osram Lighting Pvt Ltd** is one of the leading light manufactures in the world. The company's portfolio covers the entire value chain from components –including lamps, electronic control and opto semiconductors such as light-emitting diodes (LED) as well as luminaries, light management systems and lighting solutions.

In PALM 2017, the company will debut spectacular **-OSRAM KREIOS WEDDING PAR 100W** that



fills the room with great luster and radiance. The company will also display products like LOK-IT and SIRIUS. **Hall 5 - B17**

## Antelope Audio names exclusive distributor for India

**Antelope Audio** has named Rivera Digitec as its exclusive distributor for India. The Mumbai-based Rivera Digitec was established in 1997 with exclusive distribution rights for a number of leading brands in the Music Industry.

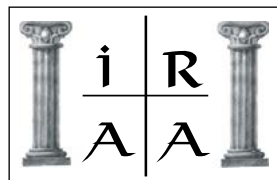
"Antelope Audio has packed more than 20 years of experience in digital audio clocking, conversion and analog circuit design. The team at Antelope is dedicated in helping people achieve high-definition sound both in the recording studio and home environment.

"We're really pleased to be associated with Antelope Audio," said a spokesperson from Rivera Digitec.

In India, Rivera has a wide network of sales offices that is in Mumbai, Delhi, Kolkata, Chennai, Bengaluru, Hyderabad and Indore. The company is also the authorized distributor of brands like Roland, Shure, DB technologies and Samson.

With a dynamic team and strong service platform and financial foundation, the company aims high with the distribution of Antelope in India.

11<sup>th</sup> edition



INDIAN  
RECORDING  
ARTS ACADEMY  
AWARDS

**VENUE:** Hall 4, VIP Parking Area

**Date:** 3<sup>rd</sup> June 2017 | **Time:** 4 p.m.

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## CATEGORIES OF 2017

AUDIO ENGINEERING  
AUDIO POST PRODUCTION  
RECORDING FACILITY  
MUSIC PRODUCTION  
EDUCATION AWARDS

7<sup>th</sup> edition

## PALM SOUND & LIGHT AWARDS

Friday, 02<sup>nd</sup> June, Hotel Sahara Star

**HONOURING  
PROFESSIONAL EXCELLENCE IN  
STAGE SOUND LIGHT**



## CATEGORIES OF 2017

- ◆ AUDIO SYSTEMS ENGINEER
- ◆ AUDIO FOH ENGINEER
- ◆ AUDIO MONITOR ENGINEER
- ◆ LIGHTING DESIGNER
- ◆ SOUND RENTAL
- ◆ VIDEO RENTAL
- ◆ LED RENTAL
- ◆ LIGHTING RENTAL
- ◆ EXCELLENCE IN AV AND LIGHTING INTEGRATION
- ◆ TECHNOLOGY INNOVATION - TOURING LINE ARRAY
- ◆ STAGE DESIGN & CONCEPT
- ◆ STAGE PRODUCTION
- ◆ EVENT MANAGEMENT
- ◆ DISTRIBUTOR OF THE YEAR AWARD
- ◆ INNOVATIVE PROJECTION MAPPING
- ◆ CORPORATE EXECUTIVE EXCELLENCE  
IN INDIAN PRO SOUND & LIGHTING

*By Invitation only*

# Harman Live Arena

to unfold an eclectic mix of genres with the unveiling of the loudest loudspeaker system ever by JBL



**H**arman Live Arena, the biggest IP of Harman Professional India enters in its 8th year with Palm expo 2017. Conducted at Bombay exhibition center, Mumbai every year, HLA is the only stage in India which showcases the most advanced technology of an end – to – end LIVE solution by Harman. It is a three day music festival which brings together the top of the line/ newly launched products & solutions from all the Harman brands in the LIVE domain, culminating in an audio-visual feast for the senses. Every year there is a new product feature at the Live Arena and this year HARMAN proudly announces the unveiling of the latest from JBL VTX series A12, the Next Generation Dual 12" Line Array Loudspeaker systems. VTX A12 is designed from scratch to address the unique challenges of rental companies, FOH engineers and tour sound production crews. It isn't just a superior line array—it's a completely new way to approach tour sound. The PA and subs will be powered by Crown IT12000HD and IT4X3500, The AKG digital wireless microphone system along IVM 4500 in-ear monitoring system will be used on the stage along with D7 and D5 Dynamic vocal microphones. Lighting effects will be created by Martin Professional's Mac Quantum washes, Mac Aura XB, Mac Quantum Profile, Atomic 3000 LED and VDO Scepton linear outdoor

rated LED video fixtures. The command of the FOH will be in the hands of Soundcraft Vi7000 (launched at PALM expo 2016) & Vi3000 digital live mixing consoles along with Martin Professional M6 Lighting Controller.

The Harman endorsees who will be debuting at the Live Arena will include "Liquid Bass Project" by Sherin Varghese and a young energetic band from True School of Music "Aankh Micholi". TSM will also be featuring its "All Stars" band which features the foreign faculty at the

school. Other first timers at the HLA stage will include: The Ska Vengers, Viveick Rajagopalan, Anand Bhaskar Collective, Sanah Moidutty, The Kush Upadhyay Group, and Paradigm Shift. Tejas Menon and Voctronica make a re-entry to the line up with some of the all time favorites and legendary musicians like Sivamani, Ranjit Barot, and Niladari Kumar.

"As Harman Live Arena enters its 8th year of existence, HARMAN welcomes the visitors to experience the extravaganza of sound and Lighting as created all these



Ranjit Barot performing at the HARMAN Live Arena at PALM expo 2016

years. This year the audience will witness an eclectic mix of genres that will unfold from near classical music, to folk, to beat-boxing, to punk with a mix of Bollywood thrown in. This year Harman Live Arena will also be the latest and the loudest box ever produced by JBL – The VTX A12 line array system. The system delivers exceptionally accurate sound even at very high SPL. We

will also have the most advanced digital live mixing console by Soundcraft Vi7000 at the FOH. The Live Arena content will be showcased at the Harman booth using 4K video transmission over LAN by AMX SVSi system”, said Prashant Govindan, Senior Director at Harman Professional India.

This year Harman Live Arena will be spread in a 800 sq. mtr enclosed space

which will give an ultimate experience to your senses with great sound, visually ecstatic lighting and a dream team of artists performing live every day. Visit HARMAN on 1st June to witness the launch of VTX A12 line array system and on 1, 2, 3 June from 12pm – 7pm at **Hall no. 6** to get immersed in an experience like never before.

## HARMAN LIVE ARENA SCHEDULE

### DAY 1, 01<sup>st</sup> June

TIME	ARTIST
12.00 - 1.00	Sivamani
1.30 - 2.30	Voctronica
3.00 - 4.00	Tejas Menon
4.30 - 5.30	Liquid Bass Project
6.00 - 7.00	Aankh Micholi

### DAY 2, 02<sup>nd</sup> June

TIME	ARTIST
12.00 - 1.00	The Ska Vengers
1.30 - 2.30	Sana Moidutty
3.00 - 4.00	Niladri Kumar
4.30 - 5.30	Paradigm Shift
6.00 - 7.00	Ranjit Barot

### DAY 3, 03<sup>rd</sup> June

TIME	ARTIST
12.00 - 1.00	The Kush Upadhyay Group
1.30 - 2.30	Viveick Rajagopalan
3.00 - 4.00	Anand Bhaskar Collective
4.30 - 5.30	TSM All-Stars

To know more about the exciting line-up & time schedules, visit Harman Live Arena or follow us on:

[www.facebook.com/HarmanProfessionalIndia/](https://www.facebook.com/HarmanProfessionalIndia/)

[www.twitter.com/HarmanProIndia/](https://www.twitter.com/HarmanProIndia/)

#### Disclaimer:

- \* The above schedule is subject to change without any prior notice.
- \* The bands or musicians line-up are at random order and have no relevance to their popularity or any other reasons.
- \* Harman International India is the owner of the property of HARMAN LIVE ARENA and solely responsible only for providing entire stage with sound & light gear.

## MA Lighting – Commitment & Power to Innovate

Since its foundation in 1983, MA Lighting has expanded to become an international leader for computer-controlled lighting consoles, networking components and digital dimming systems. MA Lighting meets the growing demands of a constantly changing industry and develops product solutions for tomorrow. This year at PALM, the company will showcase grandMA2 Full-size console - Running time code show -Real time demonstration with main lighting rig; MA dot2 on PC software outputting free 512 DMX channels, MA dot2 core console Real time demonstration with few fixtures, MA dot2 node Real time demonstration with fixtures, MA VPU Video Processing Unit Real time demonstration with Led Screen and MA Network Switch. Alongside, MA Lighting will also host a dot2 Workshop led by LUKE CHIKKALA (MA Lighting Asia).

The workshops will focus on dot2 consoles to allow beginners and professionals both to get familiar with the dot2 Series of MA Lighting desks.

A relentless drive to Inform & Inspire!

**Enroll Yourself Today!**



#### Venue:

PALM Expo  
Hall5, Booth No: C18

#### Timing on all 3 days:

12:00 pm, 2:00 pm & 4:00 pm

#### To Enroll for the Workshop, Contact:

K. Ajay I +91-9205187762  
matechsupport@modernstageservice.in



**LUKE CHIKKALA**  
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Bombay Exhibition Centre, Goregaon (East), Mumbai

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# Dynamic Product Display by Modular Analog

**Modular Analog** will launch India's first modular synthesizer, displaying an array of specialized modules. The modules are designed to allow the modification or processing of one parameter of a signal, such as the frequency (oscillator), spectrum (filter), or amplitude (amplifier). The modules are not hardwired together but are connected with patch cords, a matrix patching system, or switches to create a patch. The voltages from the modules may function as (audio) signals, control voltages, or logic conditions. Their product line-up for PALM Expo includes - **Voltage Controlled Oscillator: VCO**, an electronic oscillator whose output signal can be varied over a range, which is controlled by a voltage input; **Low-Frequency Oscillator: LFO**, an oscillator, that creates a cyclic waveform at frequencies too low for the human ear. It can produce multiple wave shapes that modulate another component's value, changing sound without introducing another source

**Attack, Decay, Sustain, Release:** ADSR, which is an acronym that stands for Attack, Decay, Sustain, Release and is a means to replicate those respective elements of a sound. This circuit/device is used with electronic music instruments in sound designing.

Also on display will be **Clocks and Clock Dividers** - a frequency divider, also called a clock divider or scaler or pre-scaler, is a circuit that takes an input signal of a frequency and generates an output signal; **Filters** - an audio filter is a frequency dependent amplifier circuit and is used to amplify ("boost"), pass or attenuate ("cut") some frequency ranges; **Chord Synths** - an electronic device that plays multiple chords in polyphony and custom note arrangements; **Arpeggiator** - a basic real-time sequencer designed to take notes as an input and turn it into an arpeggio; **Drum Synth** - an electronic musical instrument designed to imitate the sound of drums, cymbals, chimes, other percussion instruments; **Bass and Sub bass** - a module very similar to the drone module that allows the user to play 4 bass notes at length, giving them an accompaniment background sound, filling up the sonic space and giving the music more depth; **Step Sequencer** - in step sequencers

musical notes are rounded into the steps of equal time-interval, and users can enter each musical note without exact timing, instead, each timing and duration of step are designated in several ways.

**Drones** - a harmonic/monophonic accompaniment where a note or chord is continuously sounded throughout most or all of a piece. This elongated note is what most musicians build their entire track around; **Voltage Control Amplifier VCA** - an electronic amplifier that uses DC voltage to regulate the amount of signal allowed through the output of the module; **Mono Patch Chords** - a patch cable is an electronic cable that is usually used for connecting two electronic devices together for signal routing purposes usually called as "patching in" or "patch" They come in different colors to avoid cognitive load and for ease of use; **CV-THRU 1 in x4 out**, a module that allows you to take CV (Control Voltage) from one device and split it out to multiple devices, transmitting the same analog signal without any loss and also allowing the user to use one trigger device to make multiple modules work with each other. Last but not the least, Modular Analog will also showcase **4 x channel Mono to**

**Stereo Mixer** an electronic device used to combine, route and control volume level, timbre and regulate the dynamics of various channels.

Founded in 2016, Modular Analog is a young and dynamic company led by artists and engineers. The company is an Indian manufacturer of electronic music instruments and audio equipment and is also a sister concern of TWIGTTSOIP an Indian music company and professional electronic music production house. Their products include Desktop and Modular Synths, Midi Devices, Effects Processors, Audio Patch Cables and electronic music equipment power units. The partners at Modular Analog assert, "Introducing modular synths made in India for Indians by Indians. Modular synths are for the new breed of Indian electronic musicians to experiment and bring new sounds to their music." From music producers to professional artists performing live at events, all of them use some form of synthesizers. For modular analog, the company's target audience includes Electronic Music producers, budding artists, music audiophiles, students learning audio synthesis etc. **Hall 1 - H63**

## Rajratan to debut Non Bio-Degradable flight cases

**RAJRATAN** will debut - **FLIGHT CASES** that are made by Non Bio-Degradable Plastic Aluminum Composite Board. The series of products will include line array speaker case, bass speaker flight case, consol case, double speaker flight case and mixer flight cases. The cases exhibit properties like proofing from water, termite and borer and is maintenance free, durable and long lasting.

Rajratan develops new technologies and eco-friendly green products and also provide services for waste

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W: www.ultracousticin.com

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M: +91 9820216914 | E: carlislepereira@hotmail.com

Brands: ALPHA



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T: +91 9810614084, +91-11-23869159, 23866156

E: info@classicsound.in, aj@ankitelectronics.com | W: www.classicsound.in

Brands: Classic & Classic Plus



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Contact Person: Ajay Tiwari

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T: +91-22-65656091/92 | E: ajaytiwari@anoralux.com | W: www.anoralux.com

Brands: Anoralux



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Brands: ARALDO AUDIO, BT PRO, BTL, LANE, RIDER, PUYUNG, LYCANS,



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Address: No.43,60/A, Byreswara layout, 1st main 2nd cross, Hennur Bunde, Kalyanagar Post, Bangalore - 560043

M: +91 9844037281 | E: satheesharjun@yahoo.com

Brands: SMART TRUSS



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Address: 2097/29, 1st floor, Balaji Market, Chah Indara, Bhagirath Palace, Delhi - 110006

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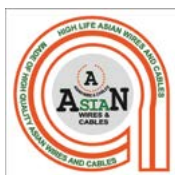
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E: info@asialedevents.com ; asialedevents@gmail.com | W: www.asialedevents.com

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Contact Person: Naveen Gupta

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Brands: MASTER, ASIAN WIRE AND CABLES

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Brands: Audiotone



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Contact Person: Aniruddha Gawde

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**M:** +91 9619275096 | **E:** akshayagarwalofficial@gmail.com | **W:** www.beatfactory.in/

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**Contact Person:** Binny

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**M:** +91-9891043914 | **E:** sales@bensonacoustics.com

**Brands:** Rinus, Benson Acoustics



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**Contact Person:** Naveen Sridhar, Shaik Ahmed

**Address:** No.1, 14th Cross, 10th Main, Malleswaram, Bangalore-560003

**T:** +91-80-23310101 | **E:** naveen@beyerdynamic.com | **W:** www.beyerdynamic.com

**Brands:** BEYERDYNAMIC



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**Contact Person:** Abbas Bootwala, Mustafa Bootwala

**Address:** 69, Mangaldas Road, Lohar Chawl, Mumbai - 400002

**E:** bootwala.abbas@gmail.com | **W:** www.bombayelectricalsuppliers.com

**Brands:** SAIF, BIG DIPPER



### BOSE CORPORATION INDIA PRIVATE LIMITED

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**Contact Person:** Vishal Srivastav

**Address:** Third Floor, Salcon Arium, Plot No. 4, Jasola District Centre, New Delhi 110025

**T:** +91-11-4659 9017 | **M:** +91 98711 71861 | **E:** vishal\_srivastav@bose.com

**W:** www.pro.Bose.com

**Brands:** Bose



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Brands: Canara Lighting



### CAPE ELECTRIC PRIVATE LIMITED

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Contact Person: Renjith

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T: +91-44 7101 8100 | F: +91-44-7101 8199 | E: sales@capeindia.net

Brands: PC ELECTRIC



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M: +91 9873084555 | E: capitalradioco@gmail.com ; rupesh.singh@capitalradio.in

W: www.capitalradio.in

Brands: Capital, Raptor, Eminence



### CELTO ACOUSTIQUE INDIA

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Contact Person: Moshe' Aston

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E: moshe@celtoproindia.com ; siddharthsood@agacoustics.com | W: www.celtopro.com

Brands: Celto Acoustique



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Contact Person: Kunal Mehta, Sumit Kumar

Address: 1532, Bhagirath Palace, Delhi 110006

T: +91-11-23873709 | E: cineaudiovisio@yahoo.com; proaudio1696@gmail.com

W: www.cineaudiovisioindia.com ; www.proaudioindia.com

Brands: Stan Lightings, Soundspirit Audio, Cave Audio



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www.circleproaudio.com

Brands: CIRCLE PRO AUDIO



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Contact Person: Daljeet Singh

Address: 2-7293, Old Rohtak Road, Azad Market, Delhi – 110006

M: +91 9650668188 | E: ds.stagecraft@gmail.com | W: www.dsstagecraft.com ;  
www.dsstagecraft.com

Brands: DS STAGE CRAFT



### DECIBEL PRO SYSTEMS

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Contact Person: Vishal Sancheti

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Brands: Dee-Tech



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Contact Person: Akshay

Address: 124001 Delhi NCR, India

M: +91 9728788864 | E: deviltruss@hotmail.com | W: www.deviltruss.in

Brands: Devil Truss



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W: www.effectron.co.in

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W: www.electrocabletronics.in

Brands: CHETAN | SUMO



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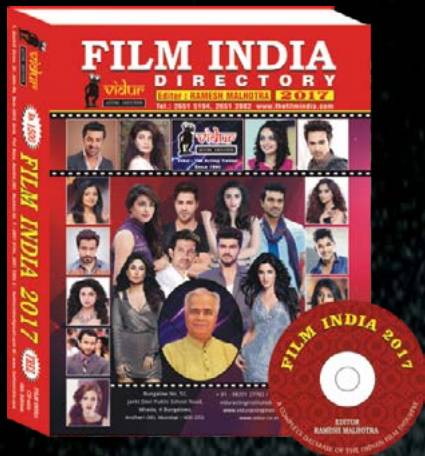
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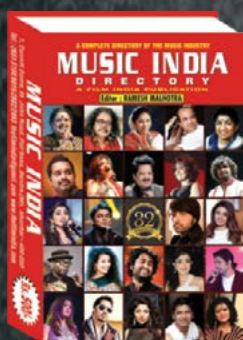
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Address: Budhaji Niwas, 91/C, Chandiwalla Compound, Beside Hanuman Temple, Nr. Triveni Sangam School, M.P.Marg, Curry Road (e). Mumbai: 400 012 | T: 09322011457

M: +91 9820694591 | E: maxworthtradingco@gmail.com | W: www.maxworthtrading.com



### MEGA INDIA

Hall No: 1 | Booth No: B57

Contact Person: Rahul Gupta

Address: 20 Mahila Udhyami Park Part 2, Ecotech III, Greater Noida, Uttar Pradesh 201306

E: rahulgupta@megaindia.net, sales@mproindia.com | W: www.mproindia.com

Brands: MPRO



### METRO PAPERS

Hall No: 1 | Booth No: D79

Contact Person: Gulfam Kagzi

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E: metrospeakercone@gmail.com | M: +91-9829015039/ +91-9950010990



### MODERN STAGE SERVICE

Hall No: 5 | Booth No: D17, C24

Contact Person: Sahil Wadhwa

Address: 35, New Municipal Market, Double Storey Market, Lodhi Road, New Delhi 110003

T: +91-11-24619643/43/843 | E: sahil@moderstageservice.in | W: www.moderstageservice.in

Brands: ANTARI, ALTAIR, AYRTON, CHRISTIE, DTS, MA LIGHTING, MAGIC FX, SGM, PR LIGHTING, SHOLITE, PROLYFT, PROLYTE, R OSCO



### MODERN STAGE SERVICES PVT. LTD.

Hall No: 1 | Booth No: J35, K35

Contact Person: Davinder Wadhwa

Address: F27/5, Okhla Industrial Area, Phase 2, New Delhi 110048

M: +91 98113 14206 | E: Davinder.wadhwa@gmail.com | W: Mssworld.com

Brands: CHRISTIE, MEDIALON, DATATON WATCHOUT, PIXILAB



### MODI DIGITAL

Hall No: 1 | Booth No: C83

Contact Person: Joel Dsouza

Address: 4, Ashraf Mahal J.P Road, Andheri West, Mumbai - 400058

T: +91-22-65558276 | E: sales@modidigital.com | W: www.modidigital.com

Brands: RME, HAKEN, SONODYNE, REFERENCE LABORATORIES, ROSENDAHL, EVE-AUDIO, DRAWMER, JZ MICROPHONES



### MODULAR ANALOG

Hall No: 1 | Booth No: H63

Contact Person: Dhavnit Poduval

Address: Laxman Tower, 4th floor, Above D-Mart, Kandarpada, new link road, Dahisar (West), Mumbai – 400068

T: +919029079123 | E: info@modularanalog.com | W: www.modularanalog.com



### MONDO\*DR

Hall No: 1 | Booth No: H79

Contact Person: Rachael Rogerson-Thorley

Address: Strawberry Studios, Watson Square, Stockport, SK1 3AZ, UK

T: +44 (0)161 476 5580 | E: r.rogerson-thorley@mondiale.co.uk | W: www.mondodr.com



### MRH DIGITAL SYSTEMS

Hall No: 1 | Booth No: E43

Contact Person: Ajit thakur

Address: Room No. 21, 290, Lamington Road, Grant Road, Mumbai – 400007

T: +91-22-43459006 | E: ajit@mrhdigital.com | W: www.mrhdigital.com

Brands: ELECTROVOICE, DYNACORD



MTEK SOLUTION  
innovative visuals



### MTEK SOLUTIONS

Hall No: 1 | Booth No: E89

Contact Person: Kamlesh Makhija

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M: +91 9820090894 / 9322238120 | E: km22\_31@yahoo.co.in

Brands: Esdlumen



### MW.COM INDIA PVT. LTD.

Hall No: 1 | Booth No: I89

Contact Person: Santosh Gajinkar +91 9969571319 / Bhairavnath Sutar +91 9892063731

Address: 401, 4th Floor, Todi Building, Mathuradas Mill Compound Senapati Bapat Marg Lower Parel, Mumbai 400013 | T: +91-22-67487732 | E: santosh@mansworldindia.com, bhairav@spentamultimedia.com | W: www.mansworldindia.com



### MX - MDR TECHNOLOGIES LTD.

Hall No: 1 | Booth No: A41

Contact Person: Dipesh Panjwani

Address: 5-K, Laxmi Industrial Estate, Link Road, Andheri (West), Mumbai - 400053, India.

T: +91-22-42536666 | E: dipesh@mdrelectronics.com | W: www.mdrelectronics.com/

Brands: MX - MDR TECHNOLOGIES



### NAMDHARI ENTERTAINMENT SYSTEMS

Hall No: 1 | Booth No: J77

Contact Person: Gurprit Singh

Address: Plot No. 8-2-601/G/289, Gouri Shankar Colony, Road No. 10, Banjara Hills, Hyderabad 500034

T: +91-40- 2331418 | E: namdhariimpex@gmail.com | W: www.namdhariimpex.in

Brands: NEXT PRO AUDIO, POWERSOFT AMPLIFIERS, PIONEER CONTROLLERS



### NARAIN AUDIO & LIGHTING LLP,

Hall No: 1 | Booth No: B09

Contact Person: Manoj Motwani

Address: 4&5, Kamla Spaces, Behind Kohinoor Showroom, Khira Nagar, Santacruz West, Mumbai 400054. | T: +91-22-22-43458000 | E: info@narain.in | W: www.narain.in / www.nxaudio.com / www.satanlighting.com

Brands: NX AUDIO, PROTON, AUDIOCENTER, SATAN, RAYTECH, PHONIC



### NEUTRIK INDIA PVT. LTD.

Hall No: 1 | Booth No: C57

Contact Person: Ketan Anklesaria

Address: Level 3, Neo Vikram, (Above Audi Show Room), New Link road Andheri West, Mumbai – 400058 | T: +91-22-65017555 | E: anklesaria@neutrik.com | W: www.neutrik.in

Brands: NEUTRIK



### NEW ELITE ELECTRICALS

Hall No: 5 | Booth No: C29

Contact Person: Sumit Shinde

Address: 1847, C Ward, Opp. Mutton Market, Khatik Chowk, Kolhapur

M: 8888628880 | E: neweliteelectricals92@gmail.com



Newtech Video Systems

### NEWTECH VIDEO SYSTEMS

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Address: 12/C, Pitampura, New Delhi – 110088

T: +91-11-64666611 | E: newtechvideosystems@yahoo.com

W: www.newtechvideosystems.com



### NICOLAUDIE GROUP

Hall No: 1 | Booth No: H84

Contact Person: Satya Indukuri

Address: Dubai office, Ras El Khor Ind., Area 2, Street 16B, Warehouse #4, Dubai, UAE

T: +971 (0) 55 308 77 54 | E: dubai@nicolaudie.com | W: www.nicolaudiegroup.com



### OCTUNE ELECTRONICS LLP

Hall No: 1 | Booth No: E57

Contact Person: V. K. Jain

Address: 29/1 B, Chandi Chowk Street, Bimla Chowk Building, 3rd Floor, Kolkata - 700072  
T: +91-33-22376255 | M: +91 9831011477 / 9903869783 / 7044411300 | E: sweton@gmail.com ; octuneelectronics@gmail.com

Brands: Sweton



### OPAL OVERSEAS PVT. LTD.

Hall No: 5 | Booth No: C49

Contact Person: Gagandeep Singh

Address: G-1 A, Rajouri Garden, New Delhi - 110027

E: musesickindia@gmail.com ; gagan@hotmail.com | W: www.opaloverseas.com



### OSRAM LIGHTING PVT. LTD.

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Contact Person: Anand Raj

Address: Plot No.3, IFFCO Tower, 1st Floor, Surinder Jhakar Bhawan, Sector-32, Gurgaon - 122001 | T: +91-124- 238 3180 | E: anand.raj@osram.com

W: www.osramindia.com ; www.osram.com

Brands: OSRAM



### P.AUDIO SYSTEM CO., LTD.

Hall No: 1 | Booth No: B19

Contact Person: Ms. Monica Mai

Address: 19/4,6,7 Moo 2 T. Bangkratuek A.Sampran Nakhon Pathom 73210, Thailand

T: +66 24416600 | F: +6624416699 | M: + 66818146714 | E: monica.p@paudiothailand.com

W: www.paudiothailand.com

Brands: P.Audio



### PAARTH KABLECONNECT PVT. LTD.

Hall No: 1 | Booth No: E86

Contact Person: Vikas Aggarwal

Address: 5, Kamle Niwas, Proctor Road, Off Lamington Road Mumbai-400007

T: +91 9322404998 / 9022074222 | E: paarthkable@gmail.com | W: www.eliancegroup.com

Brands: Platinum Purrrple



### PALCO & ILLUMINATION

Hall No: 5 | Booth No: C69

Contact Person: Rajkumar Mitra

Address: Cheeti Plaza, No.3, Chandni Chowk Strrt, Shop No. 109, Forst Floor, Kolkata 700074

T: +91-33-46006616 | M: 8498161616 | E: rajmitrabcn@gmail.com

W: www.palcoillumination.com

Brands: MG LASERS

## **PALM technology**

SOUND & STAGE • LIGHTING • INSTALL SOUND • MUSIC PRODUCTION • DJ TECHNOLOGY

### **PALM TECHNOLOGY**

Hall No: 1 | Booth No: B47

Contact Person: Smita Rai, Somya Kedia, Karan Bhardwaj

Address: 530, Laxmi Plaza, Laxmi Industrial Estate, New Link Road, Andheri (West), Mumbai-53 | T: +91-22-42863878 | M: +91 9820943398. | E: srai@palmexpo.in ; skedia@palmexpo.in ; kbhardwaj@palmexpo.in | W: www.palmtechnology.in



### **PENN ELCOM PVT. LTD.**

Hall No: 1 | Booth No: H78

Contact Person: Rodney DMonte

Address: Auclet Nest, Hilltop, Church Rd, Andheri (E), Mumbai-400059

T: +91-11- | M: +91 | E: rodney@absoluteaudioindia.com, rodneydmonte@hotmail.com |

W: www.penn-elcom.com

Brands: PENN ELCOM



### **PINK NOISE PROFESSIONALS PVT. LTD.**

Hall No: 1 | Booth No: E47

Contact Person: Vijay Sinha

Address: 202, 2nd Floor, 50, Community Centre, Naraina Industrial Area, Phase 1, New Delhi 110028 T: +91-22- | M: +91 9650205180 | E: vijaysinha@pinknoisepro.com

Brands: Revolabs, Logic Systems UK, Work Pro, Xilica, Icon Pro Audio, Studiologic, Prodipe, Mark Pro



### **PIONEER INDIA ELECTRONICS PVT. LTD.**

Hall No: 1 | Booth No: H40

Contact Person: Manvir Ahuja

Address: 216, 2nd Floor, Time Tower, M.G. Road, Sector 28, Gurgaon 122 001, Haryana, India  
M: 81309 55155 | E: manvir\_ahuja@pioneer.com.sg | W: www.pioneer-india.in  
www.pioneerdj.com

Brands: PIONEER DJ



One World One Sound

### **POPE PROFESSIONAL ACOUSTICS LIMITED**

Hall No: 1 | Booth No: I19, Demo Qube No. 2

Contact Person: Ravi Kumar

Address: 89, Rajiv Gandhi Nagar, Phase-1, 80 Feet Road, B.R. Layout, Sowripalayam, Coimbatore - 641 028, Tamilnadu. | T: +91 422 4273556 | F: +91-422-4273559

M: +91 9042822444 | E: info@pope-pro.com ; gmsn@pope-pro.com | W: www.pope-pro.com

Brands: POPE PROFESSIONAL, LAX



### **PPX ELECTRONICS**

Hall No: 1 | Booth No: D83

Contact Person: Sushil Bhansali

Address: 9/62, Bagichi Goli, 60 Feet Road, Vishwas Nagar, Delhi-32

T: 9434113244 | E: ppxconnect@gmail.com | W: www.ppx.co.in

Brands: PPX



#### PRECISION DEVICES

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**Contact Person:** Michael Hancock

**Address:** Sovereign House, Gilcar Way, Wakefield Europort, West Yorkshire, UK WF10 5QS

**T:** +44 1924 224610 | **E:** Michael.hancock@precision-devices.com

**W:** www.precision-devices.com

**Brands:** PRECISION DEVICES



#### PREMIER INDUSTRIAL IMPORTERS / PREMIER RADIO & ELECTRONICS CORPORATION

**Hall No:** 1 | **Booth No:** C19, D19

**Contact Person:** Kiran Navinchandra Sanghavi / Maulik Kiran Sanghavi

**Address:** 35, Vijay Chambers, 1st Flr, Opp Dreamland Cinema, Tribhuvan Road, Off. Lamington Road, Mumbai-400004. | **T:** +91-22-2388 1926 / 2388 7909 / 6615 7909 | **E:** khushboo@premierprogroup.com

**W:** www.premierprogroup.com

**Brands:** APART AUDIO, B & C SPEAKERS, FISCHER AMP, KLARK TEKNIK, KIND AUDIO, LAB GRUPPEN, MIDAS, SENNHEISER, TANNOY, XTA ANTARI- LIGHTING & EFFECTS LTD, ACME LIGHTINGS, K- STAR LIGHTING PULSAR LIGHTING, SILVER STAR LIGHTING



#### PRO AUDIO ASIA

**Hall No:** 1 | **Booth No:** H77

**Contact Person:** Sue Gould

**Address:** 17 Upper Grosvenor Road, Tunbridge Wells, Kent, UK, TN1 2DU

**T:** +44 1892 676280 | **M:** +44 789 9951638 | **E:** sgould@proaudioasia.com

**W:** www.proaudio-central.com



#### PRO SOUND INC.

**Hall No:** 1 | **Booth No:** D95

**Contact Person:** Bikarmjit Singh

**Address:** D 131, Okhla Industrial Area, Phase 1, New Delhi-110020

**T:** +91-11-41406996, 011-42575425 | **M:** +91 9818445405 / 9910994894

**E:** bikisethi14@gmail.com

**Brands:** BETA FOUR & STUDIOMAKER



#### QUTUB STAGE

**Hall No:** 1 | **Booth No:** D90

**Contact Person:** Shadab Khan

**Address:** 1088/B 1, Mehrauli New Delhi - 110030

**E:** qutubstage@yahoo.com | **M:** +91 9811219123



#### R. S. SOUND & COMPANY

**Hall No:** 1 | **Booth No:** G89

**Contact Person:** Navneet Paradava

**Address:** S.P, Ringroad, Ahmedabad

**T:** +91 9510861836 | **E:** rssound1991@gmail.com | **W:** www.rssoundindia.com

**Brands:** Lion Brothers Acoustic



### RAJRATAN RECYCLING INDUSTRY

Hall No: 1 | Booth No: E84

Contact Person: Ankit Jain

Address: 85 - Tijori Gali, Siyaganj, Indore - 452007

T: 0731 4088466 | M: 9993345377 | E: marketing@rajratan.in | W: www.rajratan.in

Brands: Rajratan



### RD LED

Hall No: 1 | Booth No: D64

Contact Person: Aditya Singh Rajput

Address: 482, Pace City 2, Sector 37, Gurgaon, Haryana, 122004

M: +91 8800995001 | E: rdled121@gmail.com; sales@rdled.in; salesrdled@gmail.com

Brands: LINSN



### REVERIE CONSTRUCTIONS & SOLAR SOLUTIONS PVT. LTD.

Hall No: 5 | Booth No: D33

Contact Person: Ms. Zaina

Address: 1st Floor, Mathew Paulo Arcade, KMK Junction, North Paravur, EKM (Dist), 683513 Kerala | T: +91-484-2440109 | M: +91 9747548694 / 9946882975 | E: zaina@reveriesolar.com

W: www.reveriesolar.com ; www.maakled.com | Skype: kgzkgz4

Brands: MAAK LED



### RIVERA DIGITEC INDIA PVT. LTD.

Demo Qube No. 3

Contact Person: Ms. Lavita Bagri

Address: No. 409/ 411, Nirman Kendra, Dr. E Moses Road, Mahalaxmi, Mumbai, Maharashtra 400011 | T: +91-22-24939051 | E: lavita@riveradigitec.in

Brands: Roland, Boss, Zildjian, Samson, Hartke, dB Technologies, Shure



### RIVERA INTERNATIONAL

Hall No: 1 | Booth No: C39

Contact Person: Prasad Patil

Address: Office No 7, Mangaldas House, Naaz Cinema Compound, Lamington Road, Mumbai-400004 | T: +91-22-23800555/777 | E: riverainternational@gmail.com

W: www.riverainternational.com

Brands: Kling & Freitag, Reloop, Nova Acoustics, ToneArt Audio



### RONTEK SYSTEMS

Hall No: 1 | Booth No: C95

Contact Person: Jacob Abraham

Address: #T4 Petra Radiance, 3, Kathalipalya Main Road, Sarvagnanagar, Bangalore - 560038

T: +918065831810 | M: +91 9845047290

Brands: RONTEK, AVIRON



**S.V. Case Craft**

#### SV CASE CRAFT

Hall No: 1 | Booth No: K61

Contact Person: Shiva Vishwakarma

Address: A-1, Jay Baman Dev Nagar, Uttam Road, Murdha Village, Bhayandar (West), Mumbai - 401 101. Maharashtra, India

M: +91 98204 42448 / 93237 30482 | E: svcasecraft@gmail.com | W: www.svcasecraft.com

Brands: SV CASE CRAFT

**SANNEYN**

#### SANAEYA - E-WING

Hall No: 1 | Booth No: K59

Contact Person: Rajesh Prajapati

Address: B-58, Maruti Industrial Prk, Opp.Naroda Fire Station, Naroda Road, Ahmedabad 380 025 M: +91 9824517156 | E: info@sanaeya.com | W: www.sanaeya.com

Brands: E Wing



**KADENCE**  
LET'S MUSIC

#### KADENCE

Hall No: 5 | Booth No: C57

Contact Person: Siddharth Jhun Jhun Wala

Address: #9/1, Varsha Windsor Court, 2nd Floor, 1st Cross, Lal Bagh Road, Bangalore - 560027

T: +91-80 41233985 | E: Sreemaa@gmail.com | W: www.kadence.in

Brands: KADENCE



#### SHARP TRADERS

Hall No: 1 | Booth No: C63

Contact Person: Asif Lalani

Address: C/o. Red Shoes, behind timki police chowki, Mominpura, Nagpur, 440018

M: 7898188001 | E: asifalani123@gmail.com; sharp.traders2011@gmail.com

Brands: AERONS, P AUDIO, FANE, NX AUDIO, SHARP AUDIO, Stranger, AUDIOCENTER, AHUJA, STAN, PROTON, YAMAHA, SATAN, BEHRINGER, PHONIC, FAITAL PRO, PIONEER, RAYTECH, FIDEK

**GLOSHINE**

#### SHENZHEN GLOSHINE TECHNOLOGY CO., LTD.

Hall No: 1 | Booth No: E79

Contact Person: Holix Huo

Address: No.10, North Fuping Road, Pingdi Town, Longgang District, Shenzhen, China

T: +86 13534211951 | E: sales626@gloshine.cn | W: www.gloshine.com

Brands: GLOSHINE



#### SHENZHEN JIRUI PHOTOELECTRICITY CO. LTD.

Hall No: 5 | Booth No: B43

Contact Person: Ms Guihua Peng - Foreign Trade Manager

Address: 3rd floor, Building 1, Hao Gu Industrial Zone, No.6 Guan guang Road, Guangming Street, Guangming New District, Shenzhen, China

T: +86-755-36849036 | E: 412319916@qq.com



### SHENZHEN MAGNIMAGE TECHNOLOGY CO., LTD.

Hall No: 1 | Booth No: F89

Contact Person: Della

Address: 8F, Bld F5 TCL International City, #1001 Zhongshan Park Road, Nanshan, Shenzhen, China | T: +86 86647651 | F: +86 86647650 | M: +86 13613048386

E: della@magnimage.com | W: www.magnimage.com

Brands: MAGNIMAGE

### SHENZHEN VCORE OPTOELECTRONICS CO., LTD.

Hall No: 1 | Booth No: F77

Contact Person: Ms Juan Hu - Sales Director

Address: Hualianfeng Building, Yifeng Industrial Park, Huaning Rd., Longhua, Shenzhen

T: +86-755-27612700 | E: info@vcoreled.com



### SHIV INDUSTRIES

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Contact Person: Uttam Vaghela

Address: W-35, MIDC, Taloja, District Raigad Raigad 410218

M: +91 9820934934 | E: shiv\_ind2008@yahoo.com | W: www.miw.in ; www.aluminiumtrusses.com

Brands: SI



### SHIV SHAKTI PRODUCTS

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Contact Person: Manjit Kumar Jangra

Address: D9-1496 New Deshmesh avenue opposite Khalsa College Amritsar (India).

T: +91-183-2565698 | M: +91 98153-08262 / 98150-65698 | E: audiotrackasr@yahoo.com |

W: www.audiotrack.co.in

Brands: Audiotrack



### SHIVA SYSTEMS

Hall No: 5 | Booth No: A57, A65

Contact Person: Sumit Aggarwal, Sachin Patodia

Address: B-602, Mansarovar, Suchidham, Filmcity Rd, Malad East next to Dindoshi Depot

Mumbai 400097 India | T: +91-22-28491892 | M: +91 8828270072 9820522090

E: hivasound@gmail.com | W: www.shivas.co.in

Brands: S-PRO



### SHOWTEX INDIA

Hall No: 1 | Booth No: G95

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Address: 14 Gulmohur Govind Patil Road, Dhanpada, Khar Mumbai 400052

T: +91 9920919207 | E: juvanita.shaline@showtex.com | W: www.showtex.com

Brands: ShowTex



### SHRIKANT INFOALEDs

Hall No: 1 | Booth No: D80

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Whats App: 9579484242 | www.shrikantinfoaleds.co.in



### SIROCCO CAB N CORDS

Hall No: 1 | Booth No: D77

Contact Person: Sanjay Aggarwal, Gagan Maheshwari

Address: G1, 1432 Rampur Mundana, RIICO Industrial, Bhiwadi, Dist-Alwar, Rajasthan-301019

M: +91 +91-9958013355, +91-9910153032 | E: gagan@sirocco.in , kanishk@sirocco.in

W: www.sirocco.in

Brands: Kolight, Komcord



### SKE AUDIOTECH

Hall No: 1 | Booth No: B39

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Address: G-18/B, 2nd Floor, Kalkaji, New Delhi-110019

T: +91-11-49049414 | M: +91 9599620040 | E: ske\_ind\_pro@hotmail.com

W: www.skeaudiotech.com

Brands: Audiotechnica



### SONODYNE INTERNATIONAL PVT. LTD.

Hall No: 1 | Booth No: G29

Contact Person: Sukanya Mukherjee

Address: 98 NB Block E New Alipore, Kolkata 700053, INDIA

T: +91-33-23990418 | F: +91-33-23967243 | M: +91 9830855259 | E: response@sonodyne.com

W: www.sonodyne.com

Brands: Sonodyne, Australian Monitor



### SONOTONE

Hall No: 1 | Booth No: A03

Contact Person: Karan Nagpal

Address: 102, Savoy Chambers, Above Mini Cooper Showroom, Linking Road Extension, Opposite Masjid, Santacruz (West), Mumbai 400054 | T: +91-22-66439999 | F: +91-22-66439900 | E: sales@sonotone.in | W: www.sonotone.in

Brands: PA, DynaTech Sound Systems & Electronics, JTS, Mackie, Marani



### SOUND CAPITAL PRO AUDIO

Hall No: 1 | Booth No: B51

Contact Person: Uday Shah

Address: S-11, Shantai Vihar, Next to Shantai Hotel, Rasta Peth, Pune-411011, India

T: +91 9422313346 | M: +91 9822086753 | E: sales@soundcapitalpro.com | W: www.soundcapitalpro.com ; www.facebook.com/soundcapitalpro

Brands: SOUND CAPITAL PRO AUDIO



### SOUND EMPORIUM

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Contact Person: Nawal Agarwal

Address: 5/32 Kirti Nagar Industrial Area, Delhi 110005

T: +91-11-45784407, 45028730 | M: +91 9999761582 | E: info@soundemporium.co.in ; sonia@soundemporium.co.in | W: www.soundemporium.co.in

Brands: A-PRO, BETA THREE, OSRAM, XM LITE, NOVA PRO



### SOUNDGLITZ

Hall No: 1 | Booth No: C29

Contact Person: Siddharth Patwa

Address: 95, Crescent Eminence, Brigade Road, After Joseph Commerce College, Bangalore 560025 | T: +91-80 41470284 F: +91-8041127048 | M: +91 9886754864

E: siddharth.patwa@soundglitzlive.com | W: www.soundglitz.com



### SOUND LAND

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Contact Person: Arshad

Address: New No. 123, Old No. 50, Singhanna Chetty Street, Chintadripet, Near Radio Market, Mount Road, Chennai, India – 600 002 | T: +91 44 2854 7557 / 7887

F: +91-44-2854 7667 | E: info@soundland.in ; sales@soundland.in

Brands: Montarbo, Faitalpro, ARX, FiveO, Le Maitre, Digisounds, Aifapro, Exxo, AW Professional, Live Audio, AM Pro, Powerlight



### SOUND SOLUTIONS

Hall No: 1 | Booth No: A23

Contact Person: Yogesh Mehndiratta

Address: 6 Krishna Market, Lajpat Nagar – 1, New Delhi 110024

T: +91-11-29816213 | M: +91 9810290979 | E: sound\_solutions2002@yahoo.com

W: www.aplusaudios.com

Brands: A-PLUS



### SOUND TEAM

Hall No: 1 | Booth No: D89

Contact Person: Shiv Sood

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T: +91 22 2881 4041 | F: +91 22 2881 0374 | M: +91 9820341843 | E: info@soundteam.in |

W: www.soundteam.in

Brands: Genelec Oy, Brauner Microphones, Solid State Logic, Manley Labs, Grace Design, Chandler Ltd., Prism Sound, Bricasti Design, Eventide, Reference Labs



### SOUND TEC

Hall No: 1 | Booth No: C91

Contact Person: Charles Nathan

Address: CGN DESIGN WORKS, #75, KKR Avenue. Perambur, Chennai 600011

T: +91 9840660077 / 9566033429 | E: cgndesignworks@gmail.com / info@soundtecasia.com | W: www.soundtecasia.com

Brands: SOUND TEC



### SOUND WAVES ENTERPRISES

Hall No: 5 | Booth No: B51

Contact Person: Amit Gogawale

Address: Sr.No.11/3, Vrundavan Society, Jadhav Nagar Part-2, Mangadewadi, Katraj, Pune – 411046, Maharashtra. | T: +91 020 - 65217886 | M: +91 9881417886, 9764900402

E: info@soundwavescases.com, amitgogawale4@gmail.com | W: www. soundwavescases.com

Brands: SW



### SOUNDKING ELECTRONICS & SOUND CO., LTD.

Hall No: 1 | Booth No: G73

Contact Person: Ningxiao Pan - Sales Manager

Address: 818#Chengxin Road, Ningbo, China

T: +86-574-88235195-238 | E: sales@soundking.com



### STAR DIMENSIONS INDIA PVT. LTD.

Hall No: 5 | Booth No: B57

Contact Person: Jay Mathuria

Address: 303, Mathuria Apts, Sir M.V. Road, Andheri (E) Mumbai 400069

T: +91-22-26837016 | M: +91 9820290155 | E: jay@stardimensionsindia.com

W: www.stardimensionsindia.com

Brands: Global Truss, Elation Lighting, Universal Effects, Smoke Factory, Columbus Mc Kinnon – Lodestar, Hoist, F.A.L, Static Light Company, Skjonberg Controllers, Barco Products, Global Truss, Elation Lighting, Universal Effects



### STAR MEGATECH (A DIVISION OF PREMIER WHOLESALER)

Hall No: 1 | Booth No: F47

Contact Person: Amit Patel

Address: Devraj Farm, Behind Minotti Showroom, Sindhubhavan Road, Bodakdev, Ahmedabad - 380054 Gujarat | T: +91 7965141122 | M: +91 9824019650

E: kamalpatel@premierwholesaler.in | W: www.premierwholesaler.in/starmegatech

Brands: Star Acoustics, RCF, Digico, Senheiser



### SUN BROADCAST EQUIPMENTS PVT. LTD.

Hall No: 1 | Booth No: H85

Contact Person: Kapil Verma

Address: 2/5 West Patel Nagar, New Delhi 110008

T: +91-11-49808924 ; 7827807468 | E: kapilverma@sungroup.net / vinit@sungroup.net

W: www.sungroup.net

Brands: TASCAM



### SUN INFONET

Hall No: 1 | Booth No: J09

Contact Person: Neeraj Chandra - Director, Hemant Gaba – Sr. Manager (Marcom)

Address: 2/5, West Patel Nagar, New Delhi – 110 008

F: +91-11-45612901 | E: info@sungroup.net | W: www.suninfonet.net | Facebook: @suninfonet

Twitter: @suninfonetaudio | LinkedIn: @Sun Infonet

Brands: Shure, Allen & Heath, Quest Audio Focus



### SUNIL ELECTRIC COMPANY

**Hall No:** 1 | **Booth No:** K75

**Contact Person:** Dhaval Jariwala, Anil Jariwala

**Address:** 158, K.M. Sharma Marg, Lohar Chawl, Mumbai 400002

**T:** +91-22-66337358, 22087249 | **M:** +91 9987767377 | **E:** order@sunilelectricco.com

**W:** www.sunilelectricco.com

**Brands:** Neptune, Schneider Electric, KEI Industries, Brennenstuhl



### SUNRISE ENTERPRISES

**Hall No:** 1 | **Booth No:** A91

**Contact Person:** Rajesh Chandubhai Doshi

**Address:** Shop No. 6, 54/D, Jyoti Estate, Near Hotel Grant, Off. Lamington Road, Procter Road, Grant Road, Mumbai – 400007

**T:** +91-22-23872017 | **M:** +91 9320085187 | **E:** sunrise9@vsnl.com

**Brands:** PERSANG KARAOKE



### SYSTEM & SYSTEM

**Hall No:** 1 | **Booth No:** G90

**Contact Person:** Charanbir Singh

**Address:** New Delhi, INDIA

**M:** +91 9811352031 / 9818554320 / 9899582609 | **E:** sunnyarey@hotmail.com / sunnyarray@gmail.com

**Brands:** SNS



### THE INVENTORY

**Hall No:** 1 | **Booth No:** G47

**Contact Person:** Tanseer Jabbar

**Address:** 102/145, Luz Church Road, Mylapore, Chennai - 600004

**T:** +91-44-2026415 | **M:** +91-9840064063 / 7708607732 | **E:** info@theinventory.in

**W:** www.theinventory.in

**Brands:** Ableton, AIAIAI, Arturia, Audient, Dynaudio Pro, Eventide, Lauten Audio, Lewitt Microphones, Lindell Audio, Moog Music, Nektar, PreSonus, Rupert Neve Designs, TC Electronic, TC Helicon, Waldorf, Warm Audio, Ultimate Support



### THE SCORE MAGAZINE

**Hall No:** 1 | **Booth No:** I83

**Contact Person:** Sneha Ramesh - M: +919962830201; Pragash VM - M: +91 9500012975

**Address:** India's National Pan-Genre Music Magazine

**E:** pragash@highonscore.com ; sneha@highonscore.com | **W:** www.thescoremagazine.com |

**Blog:** www.skore.in | **Twitter:** @highonscore | **Facebook:** thescoremag | **Instagram:** highonscore



### TOA ELECTRONICS INDIA PVT. LTD.

**Hall No:** 1 | **Booth No:** D47

**Contact Person:** Poonam Sharma

**Address:** 232, Spazedge Building Tower B, Sector 47, Sohna Road, Gurgaon - 122001

**T:** +91-124 411 5336 | **HP:** +91 982148 6874 | **W:** www.toa.co.in ; www.facebook.com/

TOAINDIA

**Brands:** TOA



#### TRADE4INDIA

Hall No: 1 | Booth No: 89

Contact Person: Vikram Sachdeva

Address: 5, Old Market, Ramesh Nagar, New Delhi – 110015

T: +91 11 245437674 | M: +91 9811740558 | E: expo@trade4india.com

W: www.trade4india.com



#### TRADEINDIA.COM

Hall No: 1 | Booth No: 185

Contact Person: GH Biswal ( Sr. Manager )

Address: Infocom Network Ltd, A-86 Okhla Industrial Area Phase -2, New Delhi - 110020

T: +91-11-46710500 | M: +91-9871807074 | E: biswal@tradeindia.com |

W: www.tradeindia.com



#### TRIMAC PRODUCTS PRIVATE LIMITED

Hall No: 1 | Booth No: I63

Contact Person: Ravi Ranjan Agarwal, Pooja Chauhan

Address: D-40, DSIIDC Packing Complex, Kirti Nagar Delhi 110015

T: +91-11-41320102 | M: +91 8586980920 | E: ravi@trimacppl.com | W: www.trimacppl.com

FB: facebook.com/ttrimacppl/ | Twitter: @trimacppl | Insta: @trimacppl

**Brands:** Apogee, Maudio, Yamaha, Alto Professional, Adam Professional Audio, Rode Microphones, Krk Systems, Cerwin-Vega, HZ Audio, Cakewalk, Stanton, Ultimate Support, Soundtop, Hawk, Hosa Technology, ISO Acoustics, Proel, Presonus, MXL, Radial



#### VAIBHAV INDITECH

Hall No: 1 | Booth No: K81

Contact Person: Vipul Nanda

Address: Plot No. 10, Industrial Area, Opp. Annpurna Exports, Nr. Subzi Mandi, Panipat -

132103 | T: +91 180 265 3750 | M: +91 9255966606 | E: vaibhavinditech1@hotmail.com ;

vaibhavinditech@gmail.com | Skype: pnpvipul



#### VARDHAMAN MEGATECH PRIVATE LIMITED

Hall No: 1 | Booth No: C01

Contact Person: Mehul Ranka / Farhaad Elavia

Address: Vardhaman House, Dattaram Ladd Rd, Kalachowki, Mumbai-33.

E: info@vmt.in | W: www.vmt.in

**Brands:** Ohm, British Acoustics



#### VHE-UDG GEAR

Hall No: 1 | Booth No: I95

Contact Person: Siddharth Lulla

Address: Plot 356, 1st Cross Street, Nehru Nagar, Kottivakkam (OMR), Chennai 600096

M: +91 9840099221 | E: siddharth@swiftvisionhire.com; cc:rangarajan@swiftvisionhire.com

**Brands:** UDG GEAR



#### VIDEO WALL INDIA PVT. LTD.

Hall No: 1 | Booth No: D35

Contact Person: Manisha Anil Girkar / Manoj Joshi

Address: B-301, Virwani Indl.Estate, Off. Western Express Goregaon(East) Mumbai – 400063

T: +91-22-4256 8888 | M: +91 9322137003/9321137004

E: manisha@videowallindia.com / manoj@videowallindia.com | W: www.videowallindia.com



#### VSHINE TECHNIK

Hall No: 1 | Booth No: D30

Contact Person: Damandeep Singh

Address: 3, Opp. Ghaswala Tower, Dr.P.G. Solanki Path, Grant Road, Mumbai-7

M: +91 9029795367 | E: info@vshine.co | W: www.vshine.co

Brands: Vshine



#### WEIFA TRUSSING CO., LTD.

Hall No: 5 | Booth No: C43

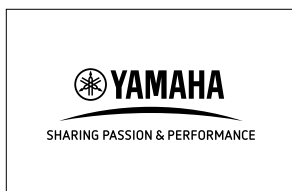
Contact Person: Samson Yang / Mr. Zhou / Susan Liang

Address: No.1 Beijin Road South, Beihai Village, Shatou Street, Panyu District, 511400,

Guangzhou, China | T: +8620-84719001 | F: +8620-84715218 | M: +86 13316285491 / +86

13609786224 | E: weifa@weifa.com.cn | W: www.weifa.com.cn

Brands: WEIFA



#### YAMAHA MUSIC INDIA PVT. LTD.

Hall No: 2B & 2C

Contact Person: Pallav Jerath

Address: P – 401, JMD Megapolis, Sector – 48, Sohna Road, Gurgaon – 122018

T: +91-124-4853300 Extn: 329, Direct: +91-124-4853329

E: pallav.jerath@music.yamaha.com | W: www.in.yamaha.com/

Brands: YAMAHA, NEXO, STEINBERG



#### YBS CABLES PVT. LTD.

Hall No: 1 | Booth No: D84

Contact Person: Gaurav Gupta

Address: E-115, RIICO Industrial Area, Kahrani, Bhiwadi Alwar Distt, Rajasthan - 310019

T: +91-1493 600927 | M: +91 9810512298 | E: mail@ybscables.com ; gaurav@ybscables.com |

W: www.ybscables.com

Brands: YBS



#### HUNAN YESTECH OPTOELECTRONICS LTD.

Hall No: 1 | Booth No: F57

Contact Person: Mary Guo

Address: No. 108 Qing Zhuhu Road, Kaifu District, Changsha City, Hunan Province, China

T: +86-731-84511685 | E: Marygo@yes-led.com | W: www.yes-led.com

Brands: YES TECH



### YODN LIGHTING CORP

Hall No: 5 | Booth No: D29

Contact Person: Peter Hsiao

Address: 6F, No.1, Creation Rd.II, Science-Based Industrial Park, Hsin-chu City - 30077, China

T: 88635637218 /0917420937/88635792581 | E: sandy\_sun@yodnlighting.com

W: www.yodnlighting.com

Brands: YODN



### ZYPHER POWER LAB PVT. LTD.

Hall No: 1 | Booth No: D51

Contact Person: Sanjay Singh Sisodia

Address: EA-9, Scheme No 54, Vijay Nagar, Indore (MP) INDIA - 452010

T: +91 7314090787 | M: +91 9630012321 | E: zypher.labs@gmail.com

W: www.ZypherLabs.com

Brands: ZYPHER LABS



### BEETA 1 PROFESSIONAL PERFECT AUDIO SYSTEM CO.

Hall No: 1 | Booth No: C89

Contact Person: Farhan Malik

Address: Shop no B46, SP Mukheji markit jhande walin new rohtak road Pin 110055

M: +91 9266126542 | E: farhan.malik4157@gmail.com | W: www.

Brands: BEETA 1 SPEAKERS



### BHAGIRATH PALACE ELECTRONICS TRADERS ASSOCIATION

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M: +91 9868017760 | E: sudhiret@rediffmail.com



### PROFESSIONAL AUDIO AND LIGHTING ASSOCIATION (PALA)

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Address: 401, Crescent Towers, Opp. VIP Plaza, Lane opp. Infinity Mall Andheri, Off. Andheri New Link Road, Andheri West, Mumbai 400053.

M: +91 9702025174 | E: palaindia1@gmail.com | W: palaindia.com ; palaindia.in



### MINTU ELECTRONICS

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Contact Person: Sudhir Sharma

Address: Shop No.1690/12, Sunder Bhawan, Bhagirath Palace Market, Chandni Chowk, Delhi - 110006 | T: +91 9868017760 | M: +91 9350744003

E: mintuelectronics1690@gmail.com | W: www.mintuelectronics.com



### SOUNDIDEAZ ACADEMY

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M: +91 7045781805 | E: dhiren@soundideazacademy.com

**PALM EXPO 2017 LIVE PERFORMANCE SCHEDULE**
**Day 1, Thursday, 1<sup>st</sup> June**

Time	Artist	Demo Product/Seminar	Type
11:00 - 12:00		Nexo Demo	Demo / Seminar
13:00 - 13:30	Lydian Nadhaswaram	Drums	Performance
14:15 - 14:45	Gulraj Singh	Synthesizers	Performance
15:45 - 16:30	Louiz Banks, Gino Banks & Sheldon	Performance	Performance
18:05 - 18:50	Indian Ocean	Band Performance	Performance

**Day 2, Friday, 2<sup>nd</sup> June**

Time	Artist	Demo Product/Seminar	Type
11:00 - 12:00		Nexo	Demo / Seminar
13:00 - 13:45	Sitar Rhapsody - Chirag & Friends	Band Performance	Performance
14:45 - 15:30	Girish And The Chronicals	Band Performance	Performance
16:45 - 17:30	Gino Banks, Rhythm Shaw & Sheldon	Band Performance	Performance

**Day 3, Saturday, 3<sup>rd</sup> June**

Time	Artist	Demo Product/Seminar	Type
11:00 - 12:00		Nexo	Demo / Seminar
13:00 - 13:45	Tripp Pilots	Band Performance	Performance
14:45 - 15:30	Stephen Devassy - The Solid Band	Band Performance	Performance
16:35 - 17:20	Salim Merchant	Special Performance	Performance

Disclaimer:

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