

# EAW Powers RETINA 7.0 with Landmark Audio Solutions

EAW's Adaptive Powerhouse Audio in a Spectacular Setup at RETINA 7.0 AIIMS Bhopal



*The seventh edition of AIIMS Bhopal's annual cultural festival, RETINA 7.0, captivated audiences from 15th to 19th January 2025. Ensuring a high-fidelity audio experience across the expansive venue, Eastern Acoustic Works (EAW) provided an advanced sound reinforcement system. The event was executed by Durgesh Sound & Lighting Systems Private Limited, with Pink Noise Professionals serving as the EAW distributor for this prestigious setup. Through their expertise and technical prowess, Durgesh Sound ensured an immersive sonic environment for performers and audiences alike.*

This five-day event showcased a diverse lineup of performances, featuring prominent artists and entertainers. The event commenced with **ADHरोह: THE BAND** setting the stage on 15th January, followed by the comedic brilliance of **Aashish Solanki** on the 16th. The third evening witnessed the melodious charm of **Shaan**, while **Ikka & Muzik Mainia** electrified the audience on the fourth night. The grand finale saw the powerhouse vocals of **Sunidhi Chauhan** closing the event on 19th January, leaving an indelible mark on all those in attendance.

### Advanced Sound System Deployment

To achieve comprehensive sound coverage, a meticulously designed system comprising EAW's premium loudspeakers and subwoofers was deployed. The EAW Anya system, a 3-way full-range adaptive array module, played a pivotal role in providing even sound dispersion. The straight-hanging column design, combined with Resolution 2 software, allowed precise electronic adaptation to the venue's unique acoustic challenges. This self-contained, high-power system enabled real-time modifications to performance parameters, ensuring clarity and consistency across all audience zones. The SBX218 subwoofers provided impactful low-frequency reproduction, ensuring extended bass response that delivered deep and controlled low-end frequencies throughout the venue. The RSX212L units were employed to optimise coverage and enhance overall sound consistency. Featuring OptiLogic technology, these speakers automatically self-detected and adjusted to their environment, streamlining the setup process and ensuring uniform dispersion. Additional low-frequency reinforcement was provided by the RSX218 subwoofers, which delivered a robust bass

response with optimised power efficiency.

## Overcoming Acoustic Challenges

RETINA 7.0 was hosted in an expansive outdoor venue, presenting several acoustic challenges. The primary considerations included the necessity of precise tuning to achieve balanced sound dispersion while minimising reflections. EAW's Adaptive Performance technology in the Anya system facilitated real-time adjustments to suit variations in crowd density and spatial acoustics. This ensured an even and consistent audio experience for attendees in all sections of the venue. Another challenge lay in accommodating the diverse range of performances, from soft, melodic compositions to high-energy hip-hop and rock acts. The combination of SBX218 subwoofers and RSX series loudspeakers provided both clarity and power, ensuring an optimal mix of low-end depth and full-range fidelity, allowing each performance to be delivered with precision.

- **16 x Anya (16 units) 3-Way Full-Range Adaptive Array Module**

EAW Anya provided a self-contained, high-power sound reinforcement system with electronic adaptation of performance parameters. The straight-hanging column design, combined with Resolution 2 software, enabled precise, full-frequency range coverage across the venue. The system's scalability and adaptability made it ideal for the dynamic needs of the event.

- **12 x SBX218 2x18" Powered Subwoofer**

The SBX218 subwoofers delivered exceptional low-end performance, seamlessly supporting the entire sound system and ensuring deep, impactful bass across the venue.

- **12 x RSX212L 2-Way Self-Powered Loudspeaker**

The RSX212L units streamlined the setup process while delivering maximum acoustic performance. Featuring intelligent features such as **Op-**

**tiLogic** for automatic self-detection and optimization, the RADIUS series provided superior coverage with intuitive control via EAW's Resolution software.

- **8 x RSX218 Dual 18-Inch Self-Powered Subwoofer**

Designed to deliver high output in a compact form factor, the RSX218 subwoofers provided powerful and efficient low-frequency reinforcement with minimal power consumption.

## The Team Behind the Success

The technical execution of the audio system at RETINA 7.0 was led by Durgesh Sound & Lighting Systems Private Limited. The FOH engineering was managed by **Tanay Gajjar**, while **Anish Purao** took charge as the Monitor and System Engineer. Additionally, **Saransh**, Product Manager from Pink Noise Professionals, played a key role in ensuring seamless integration of EAW's advanced sound reinforcement solutions. Their expertise in system configuration, live sound mixing, and real-time adaptation ensured that the event maintained the highest sonic standards throughout its duration.

## EAW Concludes RETINA 7.0 With an Enthusiastic Audience

RETINA 7.0 at AIIMS Bhopal was a resounding success, delivering an unparalleled cultural and musical experience. The integration of EAW's adaptive audio solutions, expertly executed by Durgesh Sound & Lighting Systems Private Limited, played a crucial role in elevating the event's production quality. Ensuring that each performance was immersive and sonically engaging, the event demonstrated the impact of professional-grade audio solutions in live event productions. With precise sound engineering, advanced loudspeaker technology, and an adaptive approach to venue acoustics, RETINA 7.0 set a new benchmark for live sound reinforcement in large-scale cultural festivals.