

MEGA SOUND REDEFINES LIVE SOUND EXCELLENCE FOR THE BROWNPRINT TOUR

Mega Sound India Pvt. Ltd. delivered an extraordinary audio production for **AP Dhillon's The Brownprint Tour** (Delhi & Chandigarh), leveraging advanced technology and precise engineering to ensure an exceptional sound experience for the audience. The project demanded meticulous planning, starting with revising CAD drawings provided by **Trailblaze Productions**. Using CAD's to **L-Acoustics' SoundVision** software, the team simulated and designed a 360-degree audio setup that accounted for every nuance of the venue's acoustics. The design ensured uniform sound pressure levels (SPL) and coverage from stage ending to the venue's outermost boundaries, offering a seamless auditory experience

across all zones.

Under the leadership of Audio Director, **Siddharth Chauhan**, the team elevated this project into a realm of excellence. Their commitment to detail and innovative engineering transformed *The Brownprint Tour* into an exceptional live sound experience for the audience. Every note, rhythm, and sound resonated with pristine clarity, leaving a lasting impression and setting a new benchmark for live sound production.

The heart of the system was a powerful array of **L-Acoustics K Series** speakers, comprising **32 K1** for the main hangs with **24 K2** for down-fills, **12 KARA** for fills, **8 ARCS II** for additional stage coverage, and **32 KS28** subwoofers. These components were strategically deployed in configurations that included 8 main hangs, **12 fill clusters**, and **8 sub clusters**,

ensuring precise coverage and no audio dead zones in the 360-degree setup. Every element was calibrated to deliver pristine sound quality, enabling the audience to experience the event at its fullest regardless of their location in the venue.

Signal transport and processing were handled by the **L-Acoustics P1 system processor**, which served as the AVB transport hub for seamless audio distribution. The system architecture incorporated **Luminex Gigacore** switches and **L-Acoustics LS10**, with signal transmission over CAT-6 cables. For fail-safe operations, a three-tier fallback system was implemented, consisting of AVB Primary, AVB Secondary, and Analog pathways. L-Acoustics Network Manager was deployed to monitor and control system performance in real time, ensuring reliability and precision throughout the show.

Calibration and tuning were executed with an eye for perfection, utilising tools like M1 Platform and **Rational Acoustics SMAART** for system alignment, SPL monitoring, and frequency response optimisation. These tools ensured that every speaker component was tuned to deliver consistent sound, maintaining clarity and balance from the stage's edges to the venue's perimeter.

To handle the dynamic requirements of the band, the team deployed **DiGiCo Quantum** consoles: a **Quantum 5** for FOH and

a **Quantum 338** for monitors. Both consoles were connected to SD racks via **Optocore** gain sharing, enabling precise control and seamless integration.

The collaboration between Mega Sound's team, the artist's technical crew, and the event organisers played a crucial role in the event's success. Mega Sound's team included System Tech **Devender Jethi**, Stage Manager & Monitor A1 **Swapnil Elpass**, and Stage Techs **Noel Raj** and **Mukul Sindhu**. Together, they ensured the flawless execution of the project under the leadership of audio designer, Siddharth Chauhan and Project head and Senior Audio Engineer **Sanjay K**. The partnership began early in the planning stages when **Team Trailblaze Production** brought Mega Sound

onboard for this high-profile project. "Our primary point of contact was **Vinay Agrawal** from Trailblaze, alongside AP Dhillon's Production Manager, establishing a direct and efficient communication line," the team stated. This streamlined approach laid the foundation for smooth planning and execution, enabling all teams to work cohesively from the outset.

From the start, the team focused on fostering clear and detailed communication. Essential documents were shared, and a dedicated email communication channel with the production teams ensured efficiency. As plans progressed and received



Mega Sound delivers, yet again, a supreme audio experience at AP Dhillon's India Tour

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approval, Mega Sound transitioned moved on to developing an Engineer Checklist for Inventory. This checklist was meticulously designed to ensure that every piece of equipment, from microphones and mixers to amplifiers and cables, was accounted for. By involving the engineering team in this process, the inventory met the technical and logistical demands of the event. Regular updates and follow-ups helped keep everyone on the same page, fostering collaboration and eliminating potential misunderstandings.

The culmination of meticulous planning and coordination was evident during the event's on-site execution. With every team member well-informed and prepared, the setup and operations were carried out smoothly without any last-minute confusion

or disruptions. The pre-event efforts, from detailed documentation and inventory checks to adaptive communication—ensured that all technical and logistical aspects were handled professionally. "This synergy between Mega Sound, the artist's technical crew, and the event organisers contributed to the overall success of the event," Mega Sound's team shared.

To adapt their setup to the acoustics of different venues, Mega Sound paid meticulous attention to design and execution. In Delhi, the event took place in an indoor arena, while Chandigarh was an outdoor ground, requiring entirely different acoustic strategies. For the indoor arena in Delhi, they focused on minimising reflections by carefully positioning the speakers to avoid major interactions with reflective surfaces. A site reconnaissance conducted a day prior ensured that their design and

dimensions perfectly aligned with the venue's specifications. Rigging points were verified, and the system was fine-tuned with precise alignments, resulting in impeccable sound quality.

In Chandigarh, the outdoor ground posed a different challenge: significant temperature drops. The team utilised cutting-edge technologies from L-Acoustics, such as Auto-filter with the help of P1 Sensors, to continuously monitor and adapt to temperature changes. These tools allowed adjustments to frequency ranges dynamically, ensuring consistent sound quality from tuning through showtime. "Through a combination of advanced technology and careful planning, we successfully delivered high-quality audio tailored to each venue's unique requirements," the team explained.

Working on The Brownprint Tour proved to be incredibly beneficial for Mega Sound, helping the team refine

their approach and strengthen their ability to manage large-scale events. "Looking ahead, we're thrilled about the exciting international collaborations and shows lined up in the coming months. These opportunities promise to elevate our work to the next level, and we're eagerly looking forward to them," Mega Sound's team expressed.

The most memorable parts of the project included overcoming challenges such as last-minute venue changes in Chandigarh and weather-related hurdles. "What made it truly memorable was being part of a 360-degree infrastructure setup with a top-notch production crew. Delivering exceptional audio quality throughout the venue made all our hard work and attention to detail worth it," the team concluded. This moment, when everything came together seamlessly, was undoubtedly their proudest.