CODA Audio APSi-Pro Range

CODA Audio has announced the launch of APSi-Pro, a purpose-built high output progressive line source platform designed for fixed, permanent installation projects which need predictable coverage, high SPL, and cost efficiency. Stadiums, indoor sports arenas, nightclubs and many other permanent installation projects stand to benefit from this latest development from CODA Audio.

APSi-Pro evolved from the company’s existing APS-Pro Series in response to market demand. Although APS-Pro was originally conceived as a touring systems, it has consistently delivered outstanding results in fixed environments, leading many integrators to demand a version which contained the full acoustic performance of the touring system in a format purpose-built for installations. Lighter, cleaner, more cost-effective, and free from unnecessary touring hardware, APSi meets those requirements with flexible weather-protection options, from durable outdoor finishes to full marine-grade treatment, along with custom colour choices to match architectural requirements.

Rather than centring the design on one box, an APSi-Pro system is built from system blocks that combine to form tailored arrays for each venue. Each block, APSi-Pro-D or APSi-Pro-S, is a predictable building element - 10° and 30° vertical respectively. Installers choose the blocks that match the coverage requirement and assemble

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them into a coherent curved line-source array. The result is predictable sonic behaviour and coverage, delivered in a format that is easier to ship, rig, and budget for. APSi-Pro can also be assembled into horizontal arrays, again exactly defining the coverage requirements by selecting from the two elements.

APSi-Pro’s output directivity is controlled by magnetic Instafit APS-Couplers which combine all the acoustic elements of the loudspeaker into a single, pattern-controlled wavefront. Horizontal or vertical coverage, depending on the system’s deployment, can be changed between 60°, 90°, and 120°, and asymmetrical configurations of 75°, 90°, 100°, and 105° by using different Instafit coupler configurations. Each array can include an APSi-SUB, the partner low frequency extension cabinet for the series.

Each APSi loudspeaker is supplied with a pair of universal fixing plates that form the core of the system’s modular installation concept. These plates allow any APSi product to be securely attached to another APSi element or directly to the flying frame, enabling a wide range of configurations without additional bespoke hardware. Whether the requirement is a compact two-box point-source cluster, a mixed-angle array, or a full system with an APSi-SUB, the same fixing plates provide a consistent, streamlined mounting method.

The Array Keeper (AK) is an alternative installation accessory for the APSi series. The AK is an overall metal frame, available in a variety of sizes, which fixes a number of APSi and subs into a single frame. This allows any single loudspeaker element in an installed APSi array to be removed for servicing without disturbing, disconnecting, or re-rigging the rest of the array. This solves one of the biggest practical challenges in fixed installations - maintaining a flown array without requiring a full system breakdown.

As with APS-Pro, the dual 10” low frequency drivers are mounted on an aluminium baffle – CODA’s Dynamic Airflow Cooling (DAC). DAC allows for higher power handling and more headroom at low frequencies, giving higher sound pressure levels for longer, without power compression. Each cabinet has an unprecedented AES power rating of 1400W and a peak SPL of 144dB (A weighted) per cabinet. Low frequency extends to 50Hz at -6dB - all from an enclosure that weighs an installation-friendly 27kg.

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