BOSCH LAS-BEAM



Seamlessly compatible with Praesensa, LAS-BEAM combines state-of-the-art beam-steering technology with high-quality sound performance for voice evacuation, music, and announcements. The new LAS-BEAM family of active steerable column array loudspeakers have been created to offer seamless integration and superior sound from compact and elegant design.

Offering outstanding audio quality in combination with active beam steering technology, LAS-BEAM loudspeakers provide an ideal solution to achieve high speech intelligibility for critical applications, such as transport hubs, commercial buildings, large retail spaces, sports facilities, cruise ships, and houses of worship. LAS-BEAM loudspeakers can be combined with PA/VA systems like Praesensa via 100V line and line level audio. The family offer integrated fault indication where faults are reported via the 100V line or a fault contact to the Praesensa PA/VA system.

The LAS-BEAM family is made in Germany and comprises two loudspeakers – LAS-BEAM-S and LAS-BEAM-L – as well as associated brackets, extender sets and a configuration interface. The 50cm (19.7”) LAS-BEAM-S features four 3.5” drivers, each powered by a dedicated 100W amplifier channel with processing via an on-board DSP module. This creates a single, steerable beam with a typical throw of 15m.

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The larger, 90cm (35.4”) LAS-BEAM-L features eight 3.5” drivers, each powered by a dedicated 100W amplifier channel with processing via an on-board DSP module. This creates one or two steerable beams with a typical throw of 25m. LAS-BEAM-L can also be stacked to form a LAS-BEAM-XL (2 pieces -L) up to a LAS-BEAM-4XL (5 pieces -L). The stacked versions provide up to four steerable beams and coverage up to 70m.

LAS-BEAM-S offers an SPL of 92dB at 25 m. This increases to 94dB for the LAS-BEAM-L, 97dB for the LAS-BEAM-XL, 100dB for the LAS-BEAM-XXL and even 104dB for the LAS-BEAM-4XL at 25m. The family offers a frequency range of 70Hz to 18kHz, providing superior audio performance beyond life safety requirements and making it suitable for background music.

The configuration interface, with its easy-to-use software, allows integrators to generate the ideal sound beams for the application, in real time. The software also allows the EQ and delay to be set accordingly. The LAS-BEAM family has been engineered for simple integration. The small form factor makes the units very easy to transport and install. All models also provide Phoenix connectors and RJ45 connectors for simple and secure cabling and control.

The convenient wall mount bracket makes it very easy to install the LAS-BEAM loudspeakers in any venue. The bracket provides integrators with the ability to horizontally rotate and aim the loudspeakers to ensure coverage is in the right areas. On top of the simple integration with the Praesensa PA/VA system, the LAS-BEAM family offer reliability for integrators with a variety of redundancy options. To maximize system availability, integrators can choose a range of wiring setups from channels A and B on the internal amplifiers to ensure operation in case of any fault. This redundancy makes the LAS-BEAM family a perfect fit for voice alarm installations.

With models like the LAS-BEAM-S and stackable LAS-BEAM-L, the series offers flexibility and adaptability, allowing tailored sound solutions for spaces of any size. Designed for efficiency, its lightweight, slim form factor ensures easy installation and unobtrusive integration into any setting. Whether ensuring speech intelligibility or delivering rich audio experiences, LAS-BEAM has been engineered to meet the highest standards.

The LAS-BEAM series will be available at the beginning of Q3 2025.

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