



Enhancing the safety and ambiance with superior sound

Application Note

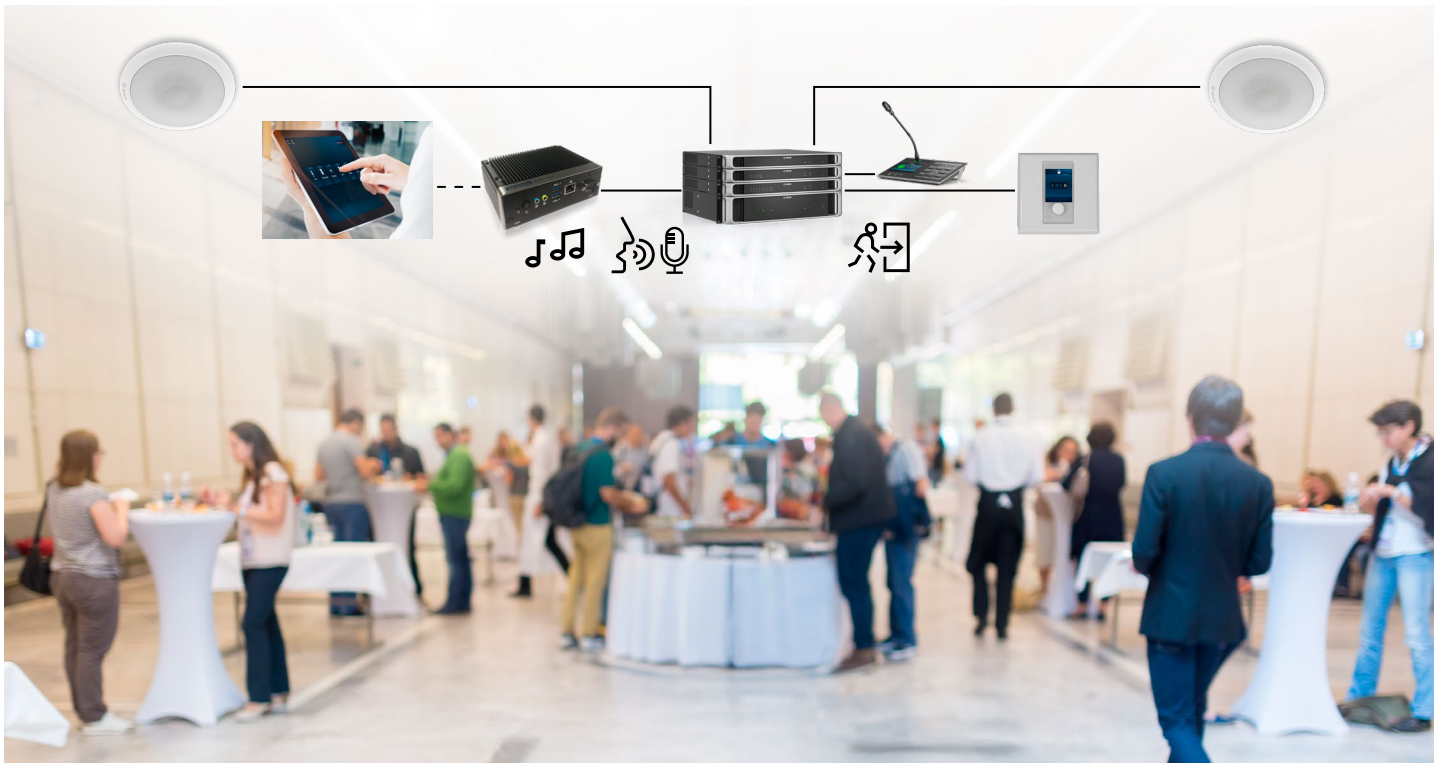
Real Estate

Enhancing safety and ambiance with superior sound

In the competitive sector of real estate, creating a safe and inviting environment is paramount. Safety measures are not just necessary; they are mandatory to ensure the safety of everyone in a building. Traditional PAVA (public address and voice alarm) systems often focus on the security and safety aspects but lack the ability to deliver high-quality audio for announcements and background music. Real estate projects demand modern PAVA solutions that not only provide immediate responses in emergencies but also enhance the ambiance with crystal-clear, intelligible sound – easily controllable for each zone via intuitive user interfaces. After all, creating a good ambiance makes your premises much more enjoyable and attractive.

Our solution

The fully IP-based PRAESENSA public address and voice evacuation system offers a cutting-edge, failure-safe solution that serves both to inform and entertain. Primarily, it ensures the highest safety standards as an EN 54-16 certified PAVA solution with integrated redundancies alongside its powerful voice alarm capabilities, which are critical during emergencies. What sets PRAESENSA apart from the competition is its exceptional sound quality, delivering an extremely high dynamic audio range of 112dB, which clearly surpasses CD quality. This high fidelity is leveraged to transform any announcement or background music (BGM) into clear, pleasant auditory experiences that enrich the atmosphere of any space within the building.



Intuitive audio control

PRAESENSA offers intuitive control through user-friendly interfaces, enabling comprehensive system management via wall control panels. Moreover, it supports mobile device connectivity over a WiFi network, providing on-the-go management of music selections, commercial messaging, and more, directly from a smartphone or tablet.

The PRAESENSA Wall Control Panel, an IP-networked device with a compact 4.5 cm (1.77”) color TFT display and a single-knob encoder, simplifies volume and source adjustments. Installed across selected locations within the building, allowing individual audio management for different zones. The available settings can be fully customized, including minimum and maximum volume limits, with support for multiple languages on the display, making it adaptable to various operational needs.

Installation is straightforward, facilitated by PoE technology compatible with standard wall-mount boxes in both the EU and the US. The device includes interchangeable covers to match different interiors and supports multiple synchronized panels per zone. Enhanced security features include PIN-based access, ensuring that only authorized personnel can make adjustments, making it both secure and cost-efficient for diverse application sizes.

The benchmark in public address and voice alarm

PRAESENSA not only fulfills rigorous security requirements but also enriches the real estate value through an enhanced auditory experience, making it a highly flexible solution for a multitude of installations in modern property development. The combination of a public address and voice alarm system with excellent sound quality and easy control ensures that our solution is not just a safety feature but a significant contributor to overall building quality and tenant satisfaction.

Bosch Security and Safety Systems

Visit [boschsecurity.com](https://www.boschsecurity.com) for more information

For specifications and design tools visit [boschsecurity.com/consultants/pava/](https://www.boschsecurity.com/consultants/pava/)

© Bosch Security Systems B.V. 2024
Modifications reserved.

Main benefits

For the system integrator/installer:

- One solution for EN-certified PAVA and BGM with integrated redundancies
- Straightforward installation and integration due to IP connectivity
- Customizable control of source selection and sound parameters via wall control panels
- Flexible system expansion for both centralized and decentralized network topologies

For the operator/owner:

- Advanced, future-proof and scalable technology secures long-term investment
- Highest system availability with proven reliability
- Easy and flexible control, both centrally and locally, with versatile operational capabilities

System components:

- PRAESENSA Public Address and Voice Alarm System
- PRA-APAS Advanced Public Address Server
- PRA-WCP Wall Control Panels