



BOSCH

Invented for life

Get all messages across,
no matter what.

PRAESIDEO Digital Public Address and
Voice Alarm System

EN54-16

EVAC Certified
Emergency
Voice Alarm

boschsecurity.com



Keeping your public **informed and protected**

With more than 20,000 installed systems worldwide, PRAESIDEO by Bosch is the number one solution for demanding public address and emergency sound applications. It is the ideal choice for public announcements, scheduled events, background music, voice evacuation, and other applications that require operational versatility, superb sound quality, and absolute clarity.

Years of proven performance

PRAESIDEO by Bosch is a complete, full-featured digital public address and emergency sound system. It leads the market in reliability, especially in voice evacuation, and has demonstrated years of performance in a wide range of applications worldwide.

Complete system

PRAESIDEO by Bosch is ideal for medium- and large-scale public address and voice alarm applications. It features 28 dynamically assigned digital audio channels, digital event scheduling and message management, and can route background music (BGM) to a virtually unlimited number of zones. The complete system has been certified compliant with all major standards for emergency evacuation.

Always get your message across

The PRAESIDEO Voice Evacuation System is fully supervised and ensures message integrity by constantly monitoring system control, amplifier operation, microphones, loudspeaker line integrity and individual loudspeakers. Specifically, built-in redundancy and automatic switching to a spare amplifier guarantee continuity.

Total customizable solution

PRAESIDEO by Bosch is a highly innovative system with a high level of digital integration. Extra features provide additional functionality when customizing a PRAESIDEO system, like integrating numeric keypads for use with access codes, or adding software-driven interfaces, (e.g. PC Call Station) for remote management of announcements and other events.

EN54-16

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EN54-4

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Voice Alarm



Ideal choice for public announcements, scheduled events, background music and voice evacuation

Superb sound, reliable connectivity

Flexibility, with no loss of digital quality

The various elements of the PRAESIDEO system are connected via an interference-free optical network, allowing equipment to be conveniently located where it's needed. Optical technology also lets the system span greater distances without loss of audio quality. It redefines the boundaries of quality, flexibility and reliability.

Scalable solution

The PRAESIDEO system provides digital sound processing (DSP) functions integrated in the "edge devices", such as call stations and amplifiers. The available DSP power then automatically scales with the number of connected devices. Because the system elements are network connected, they can be easily decentralized. The PRAESIDEO network facilitates simple "daisy-chain" configurations. Units can be added or removed, as required, for complete freedom.

IP connectivity

To support longer distances or multi-site applications, PRAESIDEO provides supervised communication using CobraNet™ or OMNEO/Dante™ in a Local Area Network (LAN). The system can even be used in a multi-subnet Wide Area Network (WAN), using Voice over IP technology on networks with limited bandwidth, or using OMNEO Audio over IP for multi-channel, high quality, low latency, perfectly synchronized interconnections.

Uninterrupted operation

For added reliability and uninterrupted operation, especially in emergency situations in voice alarm installations, the network can be configured as a "redundant loop". This ensures that, even if there is a physical break in the fiberoptic cable, the system will operate smoothly. The OMNEO interfaces support Rapid Spanning Tree Protocol (RSTP) for automatic recovery of IP-audio connections when a network link would fail.



EVAC certified solution

EVAC certified solution

As part of the Bosch Security Systems commitment to meeting international standards, PRAESIDEO meets legislated requirements for voice alarm systems. PRAESIDEO by Bosch is certified according EN54-16 and ISO 7240-16. The system is also certified for many local evacuation standards.

DNV GL type approval

PRAESIDEO by Bosch received a type approval certificate from DNV GL for installation on all vessels classed by DNV GL.

Certified partner program

Bosch runs a certified partner program, acting as a technical training platform for highly specialized installers. This allows installers to deliver certified PRAESIDEO configurations, compliant to local standards. For a complete list of the Partner Program, contact your local Bosch dealer.



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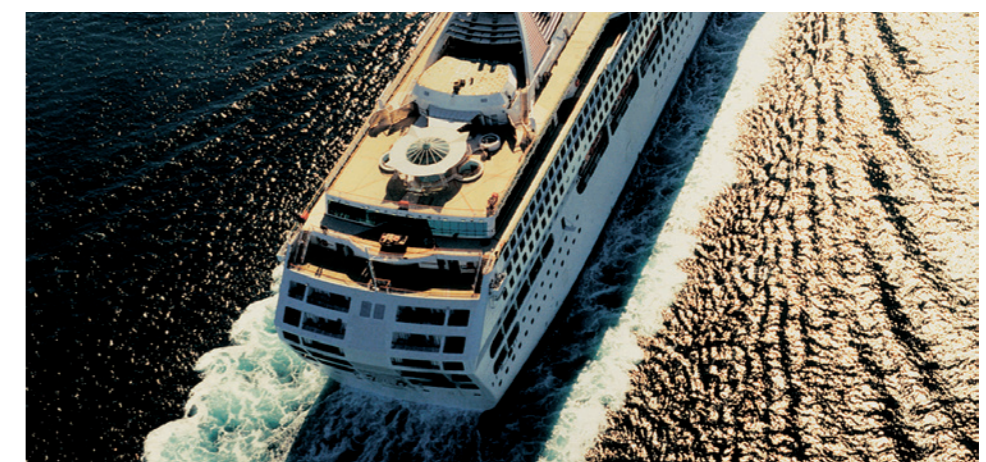
PRAESIDEO is built around an open interface so integration possibilities are almost endless

Interfacing with the world outside

Part of an integrated security solution
PRAESIDEO is an open platform that communicates with other Bosch systems (building management and fire-alarm systems) and with third-party solutions, such as passenger-information systems.

Simplified configuration
The system is easy to configure, either locally or remotely, and supports immediate system changes. Dedicated logging software tracks information from multiple systems and can be accessed from anywhere, to enable off-site monitoring and diagnostics.

Unlimited possibilities
Since the PRAESIDEO by Bosch is built around an open interface, it's very easy to extend functionality. Add a PC for advanced control via a graphic interface, or integrate a touchscreen to make managing the system more intuitive for a wider range of users. The open interface removes restrictions, so the integration possibilities are almost endless.



Bosch Security Systems

To learn more about the Bosch product offering, please visit www.boschsecurity.com or send an e-mail to emea.securitysystems@bosch.com

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