

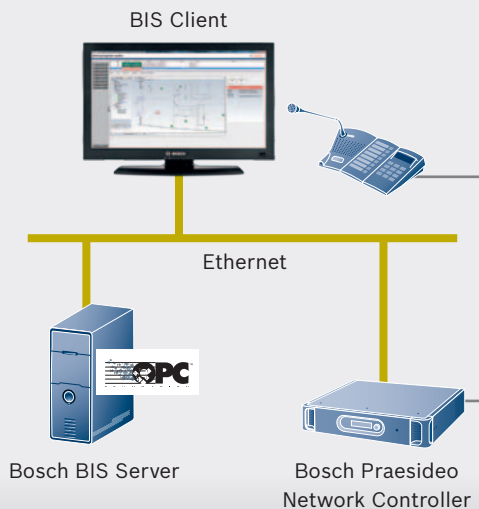
Bosch Security Systems – Integrated Building Management Solution

Bosch BIS and Praesideo integration via OPC



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Solution summary

- ▶ Automatic Bosch Praesideo announcements based on Bosch BIS alarms and events
- ▶ Manual broadcast of live announcements or pre-recorded messages directly from Bosch BIS Client
- ▶ Live display of Bosch Praesideo system status (e.g. zone status or fault events)
- ▶ Control of Bosch Praesideo background music (BGM) from Bosch BIS Client
- ▶ Highest levels of efficiency, flexibility, reliability and security from an integrated solution supporting OMNEO

The coupled system consists of a Bosch BIS login server, one or more Bosch Praesideo Public Address systems and at least one operator client workstation.

Bosch's alarm management Building Integration System (Bosch BIS) can be integrated with Bosch's Public Address (PA) system Praesideo, enabling you to capitalize on the advantages of both systems: the flexibility of the Bosch BIS in connecting multiple subsystems, such as video surveillance, intrusion and fire detection systems as well as access control and video management systems, and the powerful PA control environment of the Bosch Praesideo. Using this integrated solution, a Bosch BIS customer is able to perform PA management functions, BGM, voice evacuation as well as other applications that require operational versatility, superb sound quality and absolute clarity.

- ▶ **Example 1:** After a Bosch BIS intrusion alarm is set, the corresponding doors block and unblock together with a Bosch Praesideo message to the intruder. This alarm is logged in the Bosch BIS event log.
- ▶ **Example 2:** An operator in an airport or railway control center can create an announcement in different terminals or train stations by selecting the particular area and message. With the trigger, additional parameters like location and required workflow can be forwarded to the local Bosch Praesideo network controllers to broadcast the selected message in the destination area.
- ▶ **Example 3:** After a fire alarm or security threat in an area, the Bosch BIS operator can quickly start announcements to the affected area like "Immediately evacuate through the front gates" or "Stay calm until first responders arrive".

- ▶ **Example 4:** The Bosch BIS operator can control BGM and start pre-recorded announcements for special advertisements, call for prayer or shop closing notifications directly without leaving his operator desk.

Compatibility

Bosch Security Systems	
▶ Bosch BIS v4.2	▶ Bosch Praesideo

Ordering information

Bosch BIS Automation Engine (AUE) can be ordered in two ways:

- ▶ as an integral part of an initial Bosch BIS configuration, in which case it is ordered along with a Bosch BIS basic license,
- ▶ as an enhancement to an existing Bosch BIS configuration.

Product	Order number
AUE 4.2 Basic License Basic license for the BIS module specified	BIS-FAUE-BPA42
AUE 4.2 Additional 100 Detector Points License for the addition to BIS of the feature specified	BIS-XAUE-100P42
AUE 4.2 Additional 1000 Detector Points License for the addition to BIS of the feature specified	BIS-XAUE-1KP42

Large PA / EVAC applications



Key features covered in the integrated solution

Easy routing of Bosch Praesideo calls to the affected zone	Customers can now manage calls, zones for messages, pre-recorded messages, BGM and all Praesideo devices easily from the Bosch BIS Client GUI. The key benefit is that the solution is easy to operate, resulting in highest operator efficiency and faster reaction to alarms or changing conditions.
Support of the OMNEO interface for large PA networks	Through the use of OMNEO, Bosch Praesideo provides a professional media networking solution that includes: <ul style="list-style-type: none"> ▶ low latency in sound transmission ▶ higher audio channel count ▶ full-function remote device control and monitoring ▶ ability to interconnect diverse application domains such as PA, intercom, conferencing and professional audio/video <p>That all assures the highest audio quality even in large networks with thousands of loudspeakers.</p>
Bosch Praesideo devices constantly monitored for faults or trouble	<ul style="list-style-type: none"> ▶ The Bosch BIS uses the Bosch Praesideo OPC server to receive information from the Bosch Praesideo network controllers and to transmit commands. ▶ Praesideo devices like amplifiers, call stations, network controllers are all monitored by Bosch BIS and provide visual alerts in case of hardware failures.
Intuitive user interface to manage calls	Easy management from the Bosch BIS Client GUI since an overview and status of the PA equipment is provided by the intuitive Bosch BIS user interface.
High availability of audio network	For additional reliability in the Bosch Praesideo systems, the Bosch Praesideo OPC server automatically switches over to redundant network controllers (NCO), choosing alternative audio paths or redundant call stations. Thus, the system maximizes the availability of the audio network.
Future-proof	The support of the open OMNEO interface allows for an integration of further devices, including third party devices.

Installation / configuration notes

Training requirements	<ul style="list-style-type: none"> ▶ Training is mandatory to use this software. Bosch BIS Automation Engine and Praesideo training requests via your Bosch representative.
System requirements	<ul style="list-style-type: none"> ▶ A licensed Bosch BIS using v4.2 ▶ Automation Engine and sufficient detector points
System capacities	<ul style="list-style-type: none"> ▶ One Bosch BIS can connect to multiple Bosch Praesideo OPCs via connection servers ▶ One Bosch Praesideo OPC can connect to up to 50 Bosch Praesideo network controllers

The Bosch division Security Systems is a leading global supplier of security, safety, and communications products, solutions and services. Protecting lives, buildings and assets is our aim. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communication of voice, sound and music complete the range. Bosch Security Systems develops and manufactures in its own plants across the world. Additional information can be accessed at www.boschsecurity.com

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