

# PAVIRO

## Public Address and Voice Evacuation System with Professional Sound Quality

Flexibility right from the start



**BOSCH**  
Invented for life



**EN54-16** EVAC Certified  
Emergency  
Voice Alarm

# Keeping people **informed, secure, entertained**

With more than 100 years of experience in the design and development of electro-acoustic technology, Bosch is an established leader in Public Address and Evacuation Systems. It is also world renowned for its commitment to superior technology, stylish design, and ease-of-use. Moreover, the latest powerful example of this commitment is the PAVIRO Public Address and Voice Evacuation System with Professional Sound Quality.

- ▶ Lowest power consumption of any system in this class
- ▶ Extreme flexibility: the system can accept architecture changes at any stage during installation and provide a wide range of announcement/music combinations
- ▶ Fast, easy and complete set-up - both 'Basic' and 'Expert' configurations
- ▶ Professional sound quality

## **For small to medium-size applications**

PAVIRO is a unique, high-quality Public Address and EN54-certified Voice Evacuation System that also delivers professional quality sound, thanks to its premium 24-bit digital processor, superior digital-to-analog converters, and outstanding Signal-to-Noise Ratio (SNR). Its highly adaptable system architecture makes it ideal for small- to mid-sized offices, regional airports, mid-sized hotels, factories, schools, and department stores.

## **Best-in-class**

Thanks to its powerful range of features, PAVIRO not only answers an extremely wide variety of application requirements, it also delivers best-in-class performance in quality, ease of installation, and versatility. At the same time, it minimizes operational costs thanks to low energy consumption and fewer batteries.







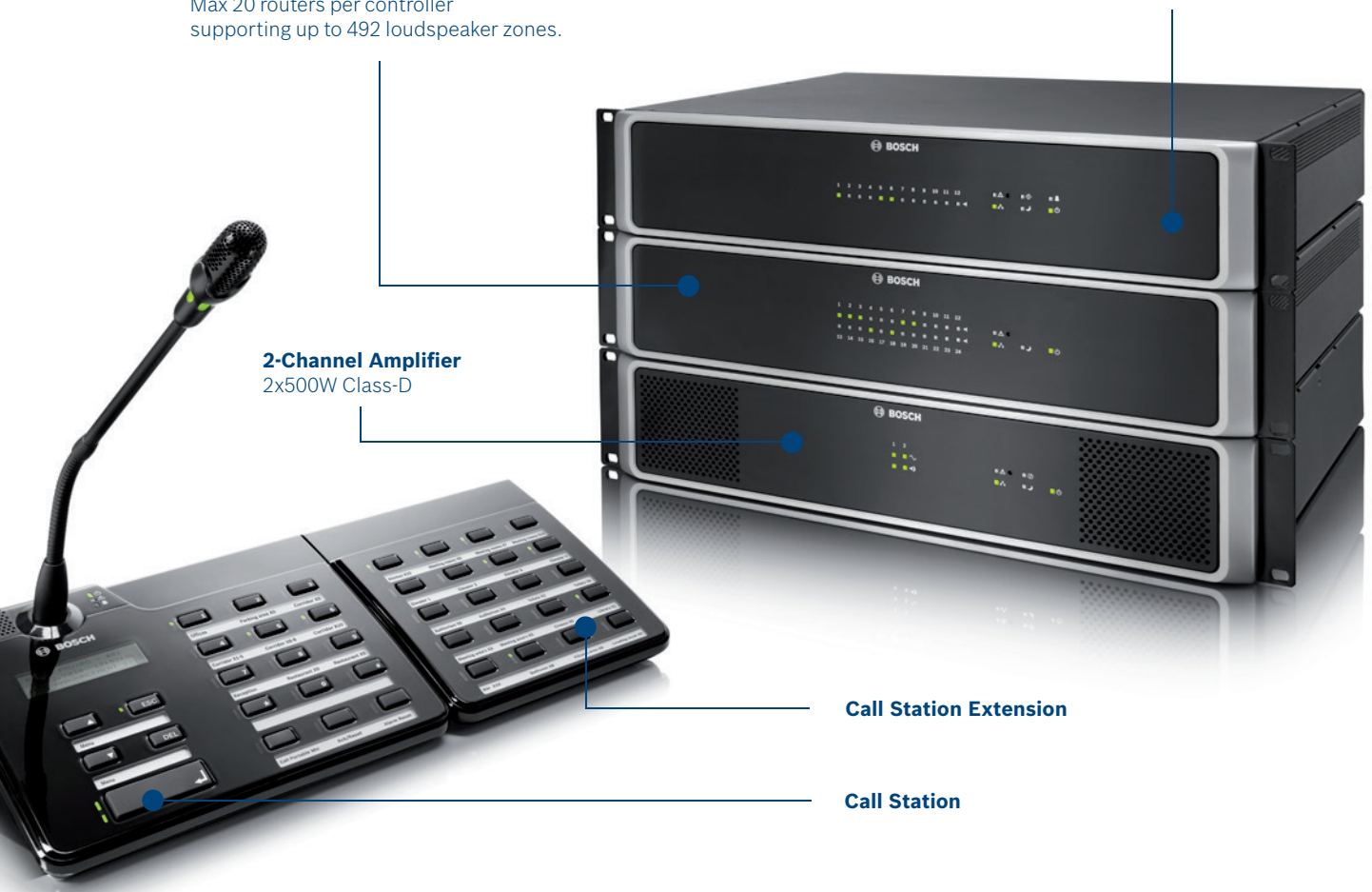
PAVIRO: Public Address, Voice Evacuation, Professional Sound Quality

**24 Zone Router**

with 4 channels  
Max 20 routers per controller  
supporting up to 492 loudspeaker zones.

**Controller with DSP**

4 channels & 12 zone router



**2-Channel Amplifier**  
2x500W Class-D

**Call Station Extension**

**Call Station**

# Flexibility for **specifiers and installers**



## **Fast, efficient specification**

With PAVIRO, specifying a complete system is remarkably quick and simple – just a few parameters are needed to design a system. This means consultants can serve more clients and substantially increase turnover.

Security for everyone:  
PAVIRO is an  
EN54-certified Voice  
Evacuation System



### Build a complete architecture

PAVIRO offers both “Basic” and “Expert” configuration modes. The basic configuration is a wizard which provides a step-by-step configuration guide. Using this wizard, a basic system can be programmed within 30 minutes versus conventional systems that can take hours or days.

The Expert mode is based on the powerful IRIS-Net software which provides almost unlimited system design flexibility, perfect for optimising configurations in more complex applications.

### Choose your own combination

PAVIRO offers highly flexible announcement/music distribution combinations – thanks to its four-channel matrix architecture. For example, you can send classical music to one set of six zones and pop music to another. You can also send one or more individual announcements to any zone without disrupting the music. Depending on your needs, you can also choose one to four channels within each router – so you can either minimize power consumption (by minimizing the number of amplifiers) or increase flexibility even more. Such versatility is simply not found in other systems in this class.

### Fewer unexpected costs

Installers of Public Address and Voice Evacuation Systems often need to estimate the total cost of a system with incomplete information - yet the installer is still required to stick to the initial cost estimate, even though the final system architecture has changed. With PAVIRO, no problem. That's because intelligent input switching and power load sharing makes it extremely flexible, allowing design changes to be made at any stage of the project without risk. This helps ensure the success of every installation.



# Quality music for **building owners and users**

## **Professional-quality music**

PAVIRO is the result of industry-leading knowledge in professional sound, and includes technologies developed for the Bosch range of professional sound reinforcement audio products, with very high performance as a result. For example, the controller handles signals with over 100dB signal-to-noise ratio (SNR). This means that building owners can offer high-quality music for their occupants as well as provide a Public Address and Voice Evacuation System with excellent speech intelligibility.

## **Additional uses for auxiliary Inputs**

Each PAVIRO amplifier provides two auxiliary audio inputs enabling you to connect additional audio sources. This ensures that the system channels are not used for external inputs which are sometimes needed for AV presentations, for example. Additionally, PAVIRO's extreme flexibility and smart combination of an input and output matrix helps to maximize a hotel's suitability for business events and ensures the lowest number of amplifiers needed for your application and for Voice Evacuation.



Professional Sound Quality - with a superb signal-to-noise ratio, occupants can enjoy high quality music.



# Time and cost savings for everyone

## **Low operational cost**

Operational costs are kept low because PAVIRO uses the latest high-efficiency class-D amplifiers and intelligent power-management hardware and software. These dramatically minimize power consumption.

## **Low initial investment**

PAVIRO uses fewer amplifiers compared to other systems - thanks to the combination of “dynamic source routing” and “intelligent amplifier input switching” – to ensure a low initial investment. With fewer amplifiers in use, fewer batteries need to be replaced on a regular basis, lowering operational costs even more.







Excellent speech intelligibility: thanks to Professional Sound Quality, Public Address announcements are crystal clear for everyone.

#### **From start to finish**

PAVIRO's advanced software and intelligent system architecture save time and costs at specification, at installation, and during the day-to-day usage of the system. Consultants will save time and define a complete system using just a few parameters. Installers will avoid unexpected costs thanks to the system's extreme flexibility. Building owners will minimize costs of ownership. And building occupants will feel safe in your building while enjoying high quality music and excellent Public Address speech intelligibility.

With PAVIRO everyone wins!

# Meeting the latest standards



## **Voice Evacuation System certified**

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





# Technical highlights

## Dynamic source routing

Dynamic source routing and intelligent amplifier switching significantly reduce the number of required amplifiers. This reduces the initial investment and minimizes the power consumption.

## Combined or split router loudspeaker line blocks

Each router can handle up to 24 loudspeaker lines, using just one type of amplifier. This creates extreme adaptability in the system. Power load sharing over the zones (from 2W to 500W) makes the system even more flexible – allowing combinations of low and high power zones within a router.

## IRIS-Net integration with standard and advanced configuration

PAVIRO includes a wizard for fast and easy configuration. In addition, the expert configuration provides a unique Task Engine programming environment for further options and flexibility.

## Professional Sound quality

Wide bandwidth (50Hz-20kHz), dynamic system range with more than 100 dB Signal-to-Noise Ratio and very low channel crosstalk together deliver excellent audio quality.





## **A Tradition of Quality and Innovation**

For over 125 years, the Bosch name has stood for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.



Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

### **Bosch Security Systems**

To learn more about the Bosch product offering, please visit [www.boschsecurity.com](http://www.boschsecurity.com) or send an e-mail to [emea.securitysystems@bosch.com](mailto:emea.securitysystems@bosch.com)

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