

# PLENA matrix Digital Sound System

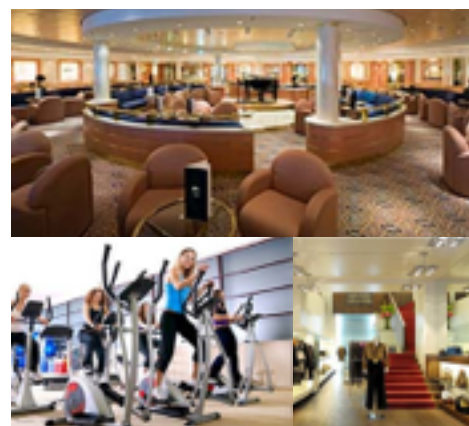


**BOSCH**  
Invented for life

## The PLENA matrix



The Bosch PLENA matrix digital sound system can be apply to wide environment settings & applications - including live music, background music, speech and zone announcement.



### Integration with Building Management and Control Systems

Easy to integrate with a wide range of building management & control systems, e.g. AMX and Crestron, as the PLENA matrix DSP mixer and amplifiers are controlled via Ethernet.

### Widely Applicable

Hotels, Bars & Restaurants, Recreational centres, Fitness centres, Office buildings, Small shopping malls, Boardrooms, Museums, Education facilities, Regional airports

Bosch has brought its users a new level of conveniency and flexibility of a sound system can offer with the PLENA matrix digital sound system.



### For Intermediate Users

Intermediate users, e.g. venue managers, can control input source and acoustic variables over multiple zones wirelessly with the easy-to-use iOS app for iPhone and iPad interface.



### For Advanced Users

Installers or system administrators who need a more professional and detail control over the setup can make use of the PC GUI with password protected access.



### For Everyday Users



Wall control panel in room allows basic user, e.g. gym class instructor, controls within a zone.



## Performance

With the built-in DSP matrix processor of the PLENA matrix Power Amplifiers allows user to tune Bosch/ EV/ Dynacord loudspeaker products to deliver **best acoustic performance** that is similar to professional sound audio systems.

## The PLENA matrix family includes



- PLM-8M8 DSP Matrix Mixer/ Processor
- PLM-4P125 4 x 125 W DSP Power Amplifier
- PLM-4P220 4 x 220 W DSP Power Amplifier
- PLM-8CS 8-Zone Call Station
- PLM-WCP Wall Control Panel
- BlueLine Gen2 Motion Detectors for Auto Standby

 **Electro-Voice**

 **DYNACORD**

 **BOSCH**



Amp Link and CAT 5

### Reduce Install Time

The Amp Link and CAT 5 connection between the DSP processor with the amplifiers, call stations and wall control panels, can transport up to four audio channels. This made the entire system **simple and quick to install**. Without the hassle to strip

## Easy Installation

wires, solder connections or manually secure the terminals.

## Cost & Energy Saving

The **Auto Standby mode** of the PLENA matrix amplifiers can be activated by Bosch motion sensors in output zones when they are unoccupied.

This shifts amplifiers into low-power consumption mode, reducing running costs and extending product life.



Motion sensor



“80% cost savings as compared with standard amplifiers”

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