

Installed audio solutions

Restaurants/cafes
Indoors & outdoors



Installed audio solutions for restaurants/cafes

Background music is a crucial component of a superior customer experience, while in-house announcements ensure a clear call-to-action for employees.

Restaurants and cafes therefore rely on professional-quality audio now more than ever.

Bosch offers a wide range of options that cater to the specific needs of hospitality and retail businesses, and, with decades of experience in these areas, we are a partner you can trust.

We offer more



Local support and customer service

We are present in more than **150 countries** and focus on putting our customers first. **Experts** with the required **knowledge** will help answer your questions and address any challenges together with you.



Product reliability and partnership

As a customer, you need to be able to rely on the **quality** of your audio system, the coverage provided by the Bosch **warranty**, and the **trust** you can place in Bosch as a partner.



Broad portfolio of electronics and loudspeakers

We address customer needs with sound solutions that offer **high performance** while being **low profile and easy to install**, for **retail applications of every size**.



Installed audio solutions for restaurants/cafes

Indoors & outdoors

Details

- For creating the desired atmosphere, as per your brand/theme/event.
- Potentially different zones (music per section, indoor/outdoor areas) and/or occasional live music performances.
- Alternative options to ceiling speakers to fit architecture/interior design (open ceilings, outdoor areas).

System requirements



Energy-efficient sound system covering different zones

- Music per section, indoor/outdoor areas, etc.



Background/foreground music-optimized loudspeakers

- Basic DSP electronics – LPF, HPF
- Zone volume can be independently adjusted
- Flexible control via mobile devices
- Live-performer routing



Basic control electronics

- Override for central announcement system

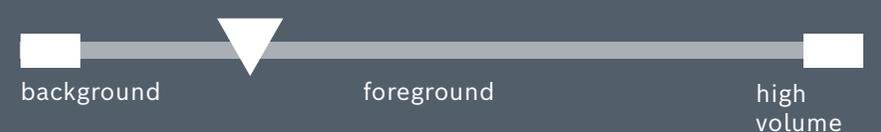


Customer profile:

Area to cover



Sound level



80-85 dB for background music | 90-100 dB for live performances

Installed audio solutions for restaurants/cafes

Indoors & outdoors – products for applications
of every size

1. Electronics



PLM-4P220 PLENA matrix DSP amplifier

This high-quality DSP amplifier supports the indoor and outdoor requirements of restaurants and cafes with a four-channel, four-zone solution for excellent background and foreground music, thanks to its ability to work in standalone mode without the PLM-8M8 PLENA matrix mixer, which can be connected and integrated with the amplifier very easily later if required (for call station and/or wall module connectivity).

3. Accessories



Plena Matrix System Control App

Optional application for PC and iOS devices enabling volume control and source selection.

2. Loudspeakers



LB20 premium cabinet loudspeaker family

Intended for the superior reproduction of speech, background and foreground music for indoor and outdoor applications.

4. Integration

Connectivity to iOS devices with PLENA matrix control app, for easy and mobile control over volume and source selection per zone.

Priority input from public address, voice alarm and fire alarm systems for emergency announcement override.

1- Electronics

PLM-4P220 PLENA matrix DSP amplifier

This high-quality DSP amplifier supports the indoor and outdoor requirements of restaurants and cafes. It provides up to 440 W of output (when bridging two channels) to power larger loudspeakers and subwoofers. The amplifier offers a four-channel, four-zone solution for excellent background and foreground music, thanks to its ability to work in standalone mode without the PLM-8M8 PLENA matrix mixer, which can be connected and integrated with the amplifier very easily later if required (for call station and/or wall module connectivity).



Details:

- Four-channel Class-D power amplifier
- 4 x 220 W (4 x 125 W variant also available)
- 100 V / 70 V / 8 Ω / 4 Ω outputs
- Loudspeaker processing DSP (compressor, limiter and EQ)
- Controlled by PC GUI and iOS app
- Amp Link to connect easily with PLM-8M8 PLENA matrix controller (optional)
- Environmentally friendly auto-standby mode

1- Electronics Alternative

PLM-4P125

PLENA matrix

DSP amplifier

When the loudspeaker systems or subwoofers in use do not require higher output levels, the PLM-4P125 DSP amplifier can be the right solution. Still offering 125 W per channel, this high-quality amplifier supports the indoor and outdoor requirements of restaurants and cafes with a four-channel, four-zone solution for excellent background and foreground music, thanks to its ability to work in standalone mode without the PLM-8M8 PLENA matrix mixer, which can be connected and integrated with the amplifier very easily later if required (for call station and/or wall module connectivity).



Details:

- Four-channel, Class-D power amplifier
- 4 x 125 W (4 x 220 W variant also available)
- 100 V / 70 V / 8 Ω / 4 Ω outputs
- Loudspeaker processing DSP (compressor, limiter and EQ)
- Controlled by PC GUI and iOS app
- Amp Link to connect easily with PLM-8M8 PLENA matrix controller (optional)
- Environmentally friendly auto-standby mode

2- Wall-mount loudspeakers

LB20 premium cabinet loudspeaker family

Intended for superior reproduction of speech, background and foreground music for indoor and outdoor applications.

Available in 4", 5" and 8" sizes. Dual 10" subwoofer available. Speakers ranging from 15 W up to 90 W. Featuring 100 V and low-Z connectivity.

Details:

- Available in a dark or light finish – also easily paintable
- Supports vertical and horizontal installation
- Easy installation with lock-in-place mechanism
- Excellent for indoor and outdoor applications
- IP54 weatherproof (IP65 is also available for the 5" model for extreme weather conditions)



Alternative option: LB2-UC30 cabinet loudspeaker

Intended for the clear reproduction of speech and background music for general indoor and outdoor applications. 15 W model, also available in 30 W variant. Available in a dark or light finish. Selectable 8 Ω , 70 V and 100 V inputs. 99 dB @ 15 W, 1 m.

2- Wall-mount loudspeakers **LB2-UC30 cabinet loudspeaker**

For restaurants or cafes with electrical power ducts and open ceilings, or where wall mounting is required, the LB2 cabinet loudspeaker reproduces speech and background music clearly, with the capability for higher output as needed. 30 W and 15 W models are available, each with four power taps to adjust output per area.

Details:

- Available in a light or dark finish
- Easy to mount horizontally or vertically using the included bracket



Invented for life



Contact information -