



**BOSCH**

# Installed audio solutions

Retail spaces



# Installed audio solutions for retail spaces

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

Retail spaces therefore rely on professional-quality audio now more than ever.

Bosch offers a wide range of options that cater to the specific needs of 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 retail spaces

## Listening to customer requirements

### Details

- Energy-efficient system, typically covering 300 square meters
- Potentially different zones (music per section, indoor/outdoor areas)
- Loudspeakers optimized for speech, background music and occasional announcements
- Mixer amplifier electronics with basic audio equalization
- Control electronics with override for central announcement system
- Compact electronics require minimal rack space

### System requirements



Zone volume can be independently adjusted



Flexible control via mixer amplifier or remote wall panels

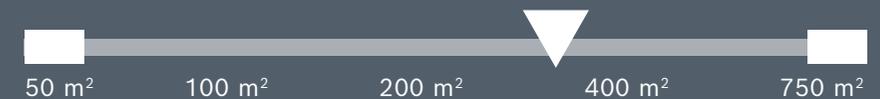


Priority input for emergency broadcast announcements

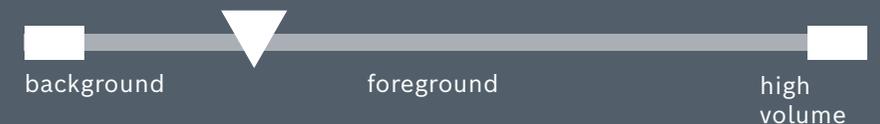


## Customer profile:

### Area to cover



### Sound level



# Installed audio solutions for retail spaces

Products for applications of every size

## 1. Electronics



### PLE-1ME240

Robust mixer with built-in high-impedance amplification for music and announcements.



## 2. Loudspeakers



### LB2-UC30

Compact cabinets mount to walls or cable ducts for distributed audio, with adjustable output for precise coverage.

## 3. Accessories

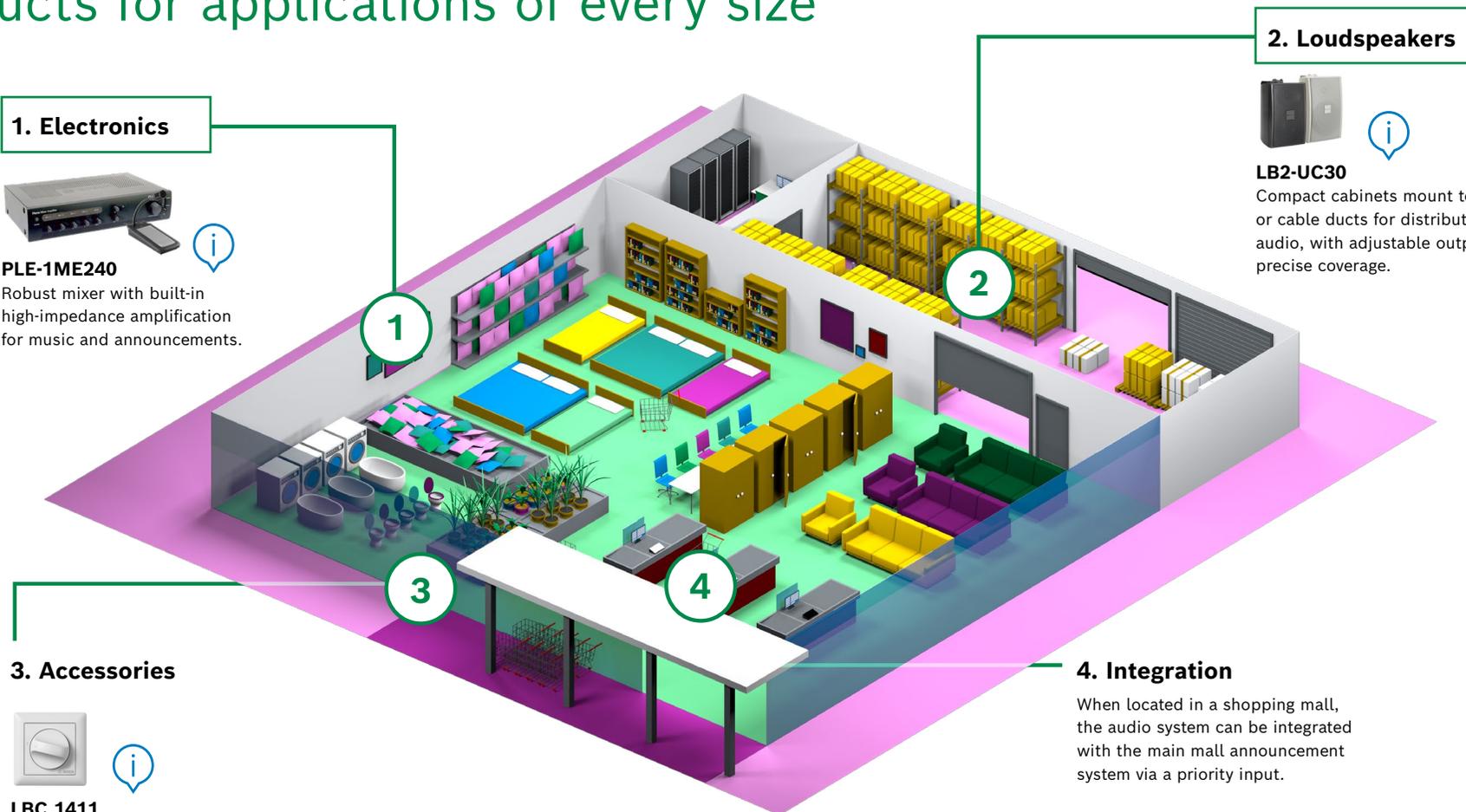


### LBC 1411

Volume control with attenuation steps to remotely set the volume for the main retail space and/or adjacent areas.

## 4. Integration

When located in a shopping mall, the audio system can be integrated with the main mall announcement system via a priority input.



## 1- Electronics

# PLE-1ME240 PLENA mixer amplifier

This mixer with integrated amplifier offers a single-zone budget solution for background music and the occasional announcement made from an all-call call station in the checkout area.

A music source like the PLENA PRM-UST or line-level from a PC music streamer can be connected to a music input. The chosen music source and announcements can be heard on the shop floor. The mixer allows the creation of a call-only zone for the storage area, where only announcements are heard.

The integrated 240 W amplifier delivers sufficient power to connect (for example) 40x 6 W ceiling loudspeakers – more than enough to cover the total store.

When located in a shopping mall, an emergency input can be used to connect to the mall's main announcement/voice alarm system.



### Details:

- One zone, total of 240 W and one channel
- Microphone/line inputs and music-source input
- All-call call station PLE-1SCS
- Announcement-only output

## 1- Electronics

# PLE-2MA240 PLENA priority mixer amplifier, two-zone, 240 W

This mixer with integrated amplifier supports the retail space with zoned background music and occasional announcements made from a zone call station in the checkout area.

A music source like the PLENA PRM-UST or line-level from a PC music streamer can be connected to a music input. The selected music source and announcement can be heard in zone one (shop floor), zone two (storage area), or both.

The integrated 240 W amplifier delivers sufficient power to connect (for example) 40x 6 W ceiling loudspeakers – more than enough to cover the entire store.

When located in a shopping mall, an emergency input can be used to connect to the mall's general announcement / voice alarm system.



### Details:

- Two zones, a total of 240 W and one channel
- Microphone/line and music-source inputs
- 100 V emergency input and dedicated input for two-zone call station PLE-2CS
- Music-only output for outside area without announcement
- Optional wall-control panel for remote music on/off in zone one and/or zone two

## 1- Electronics

# PLN-6AIO240 PLENA all-in-one



A fully functional standalone solution for addressing up to six zones with background music and announcements made from multi-zone call stations.

The integrated music source can be distributed to six predefined zones in the store, and up to six multi-zone call stations can be positioned in the premises for announcements.

The device has an option to create a two-channel system, enabling different background music in different store areas or to make an announcement in one part of the store while not interrupting music in the rest of the store.

The integrated 240 W amplifier delivers sufficient power to connect (for example) 40x 6 W ceiling loudspeakers – more than enough to cover the entire store.

When located in a shopping mall, an emergency input can be used to connect to the mall's general announcement / voice alarm system.



### Details:

- Six zones, total of 240 W, one channel
- Option to create a two-channel system when connecting an additional amplifier
- Microphone/line and music-source inputs and built-in music source
- Multiple call-station inputs PLN-6CS
- Optional wall control and input panel for remote volume control and source selection in zones 1-6

## 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

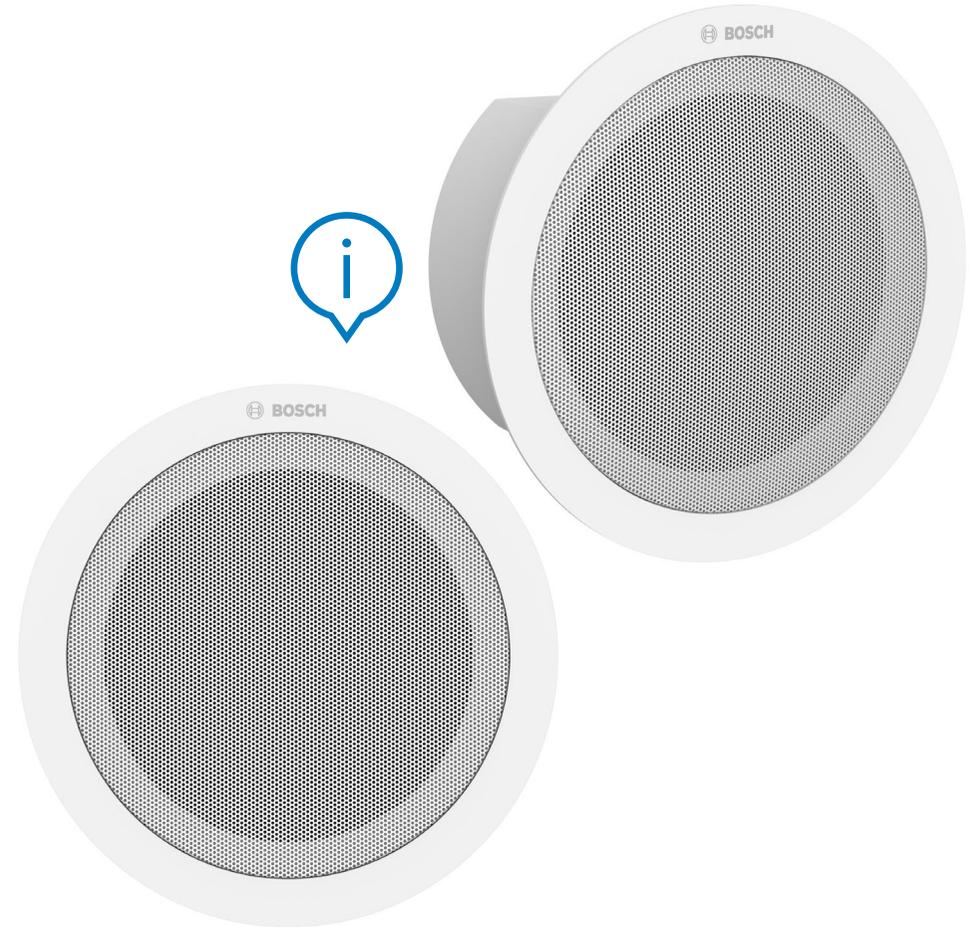


## 2- Ceiling loudspeakers

# LC9-UC06B ceiling loudspeaker

For retail spaces with a suspended ceiling, the LC9-UC06 and LC9UC06B – B refers to the back-box for over-ceiling dust protection – are compact, general-purpose and cost-effective ceiling-mount loudspeakers with a sturdy perforated metal grille.

Available as a 6 W model with four power taps to adjust output per area.



## 2- Ceiling loudspeakers

# LBC3095/15 pendant loudspeaker

The pendant sphere is ideal for retail spaces with an open or suspended ceiling. A 5 m connecting cable is included.

The pleasing shape and neutral color, in combination with excellent sound spread (opening angle of 180° @1 kHz, 125° @2 kHz and SPL max of 99 dB), makes them ideal for unobtrusive-yet-solid background music and intelligible announcements.



### 3- Accessories

# LBC 14xx/x0 U40 volume controls + LBC 1431/10 program selector

Public address systems are often used for both announcements and background music distribution. Volume controls can be used to adjust the level locally. In addition to volume control, program selectors can also be installed to select five different programs locally. In the event of an emergency announcement, the built-in relay ensures that the message is broadcast at a preset level, independent of the local volume setting.

#### Details:

- 12 W, 36 W and 100 W versions
- Available in power-save or failsafe versions
- Built-in 24 VDC override relay
- Continuous rotating system
- Suitable for three- and four-wire systems



Invented for life



**Contact information -**