



What is it?

- ▶ Bosch Commercial Audio products provide different control methods and speaker types to help you create elegant and comfortable environments, and enhance your customer's experience.
- ▶ While the prime focus is on providing a matching atmosphere with **foreground, background and business supporting music**, the systems may also be able to broadcast **advertisements and voice announcements**.
- ► Commercial Audio Systems are used as **stand-alone** and as **extended parts of a PAVA solution** in areas where acoustically pleasant ambience is essential in addition to safety.















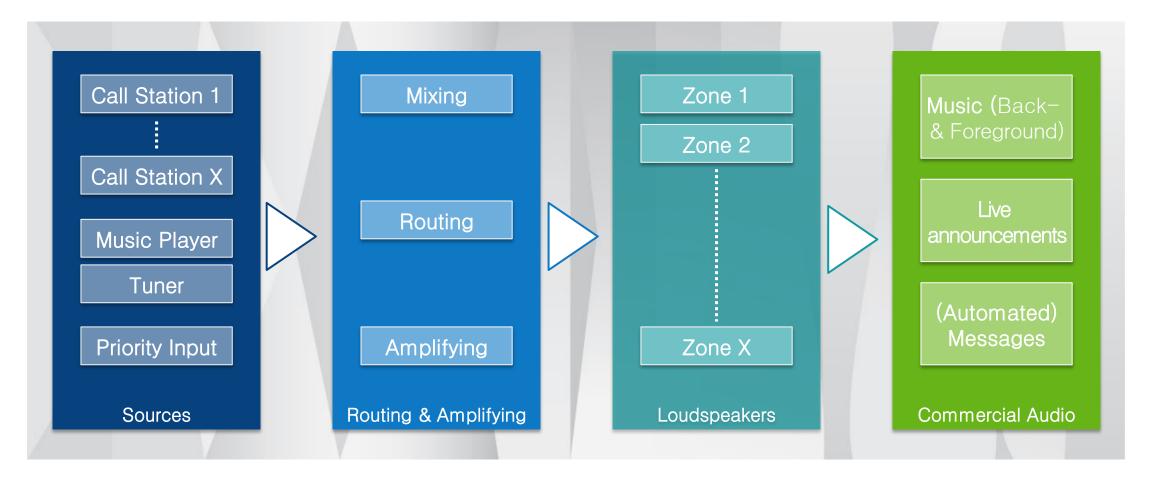








What is it?





Commercial Audio What makes us different?

We have been renowned worldwide for over **90 years** for the quality

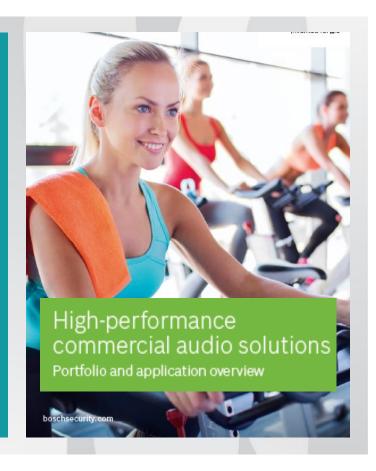
and reliability that our audio products bring

Enhancing customer experience in all types of business

and leisure environments.

3,5 Million Watts

of Bosch Commercial Audio installed in EMEA annually





Commercial Audio We offer more

We address customer needs with As a customer it is important to We are present in more than 150 **Easy-to-install Low Profile**, be able to rely on the Quality **Countries** and focus on putting yet High Performance sound of the audio systems, as well as our customers first. **Experts** with solutions for Applications of the Bosch Warranty, the required **Knowledge** will help **Every Size.** and that you can Trust Bosch answer your questions and face as a partner. challenges together with you. **Product reliability Broad portfolio Local support** of electronics and loudspeakers **Partnership Customer service**



Cater for all types of applications

zones

9

9

applications, up

Small-to-mid

when parallel zoning features

control is required

and

Project sizes and level

Entry-level

e.g. Office, Restaurant, Bar or Retail Shop

required zones 2 2 concept Entry-level applications,

when plug-and-play



Extended

e.g. Supermarket, Department Store or Mall



Professional

e.g. Clothing Store, Conference Hotel, Boardroom or Fitness Center

(A) BOSCH zones up to 8 **PLENA Matrix**

when foreground professional audio is required applications, Small-to-mid



BARS / CAFÉS



Professional application areas



PLENA Matrix

- System for 8 zones or 8 mixed channels of music and speech
- Powerful digital signal processing capabilities
- Amplifiers can be used for standalone applications
- Smart power management in amplifiers to reduce energy cost

- Digital Sound System "Surprisingly Flexible, Powerful Control"
- Adjustable to the acoustic needs of the environment







Extended application areas



PLENA All-in-one

- 6-zone BGM and paging system, with built-in tuner and USB/SD player
- Option to create 2 channel system with speech in one zone and music in another
- Call station with built-in limiter to prevent message distortion

- Compact, standalone and plug-and-play concept for mid-sized application areas with public address functionality
- Smart configuration via DIP-switches







Entry-level application areas



PLENA Easy line

- Compact system for 1 or 2 zones
- Built-in limiter to control the output from distortion
- Up to 10 inputs, including emergency input for PA/VA integration
- Smart equalization for superb sound and speech reproduction

- Compact, standalone and intelligent plug-and-play concept for quality music and outstanding speech intelligibility
- Versatility and reliability with choice of mixer, 1- or 2-zone mixer amplifiers and power amplifiers
- Easy-to-use with zone labeling and setting indicators

Mixer amplifier PLE-1ME 4 Mic/Line inputs + 1 BGM input; 1 channel, 1 zone Built-in 60W, 120W or 240W amp



Mixer amplifier PLE-1MA 4 Mic/Line inputs + 3BGM inputs + priority (100V) input 1 channel, 1 zone Built-in 30W, 60W or 120W amp



1 channel, 2 zones Built in 120/240W amp



Combine with any type

of power amp

BARS / CAFÉS

RESTAURANTS



Amplifiers



PRM-4P600

- 4-channel amplifier
- Ideally suited to background music and clear voice announcement
- 1" rack unit size design
- Maximum 600 W on a single channel possible

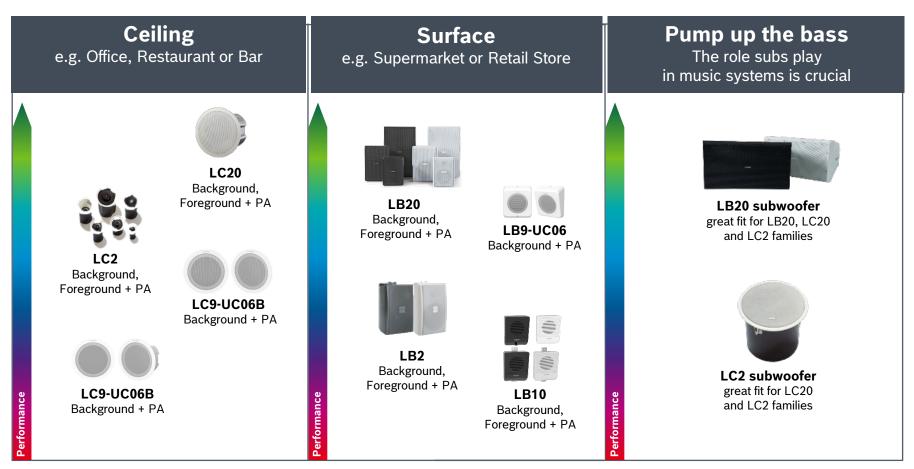
- 4-channel amplifier, with a total powerTANK capacity of 600 W
- dualCOOL convection cooling with additional intelligent fan in case of extreme thermal conditions
- ecoRAIL and APD deliver significant reduction in power consumption
- Variable Load Drive (VLD) providing the same power into 4 Ω , 8 Ω , 70 V or 100 V







Loudspeakers that cater for all types of applications











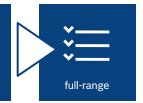




Premium sound LB20 series – Installation as easy as 1-2-3!

Complete range

- Range of 4,5,8 inch models, $8\Omega/100V$, 2x10" Sub
- Installed vertically, horizontally and ceiling
- Available in black/white and all models paintable





and terminate the cables inside. A

built-in bubble level saves time.



to protect the wall-mount until



Quick, easy installation

- Pre-wired easy mounting system
- Water bubble
- Paint shield protecting bracket



LB20 SERIES

PLACE: Simply slide the pre-wired speaker with adjustable arm onto the wall-mount and lock into place.

Performance at competitive price

- Fitting a good, better, best approach for Bosch premium commercial audio speakers
- Positioned at competitive levels





Flexible & reliable

- Indoor & outdoor applications (IP54/IP65)
- 5x model to be EN54 certified







Commercial Audio Premium sound LB10 series

Danny, is this overview still correct?
Should we remove or add products?



Complete range

- Range of 6W, 100V wall mount speakers
- Angled and volume control versions
- Available in black/white







Volume control versions

Quick, easy installation

- Keyholes provide easy and quick wall mounting
- Four-pole screw terminal block is on the rear panel for on-site wiring.









Performance at competitive price

- Fitting a good-better-best approach for Bosch premium commercial audio speakers
- Good speech intelligibility and background music reproduction







Prepared for wall mounting



Overview example applications

PLENA Matrix Cafe/Bar: approx. 100 - 200 m² (328-656 ft²) 1 zone - For background music & occasional live performance/speech - Loudspeakers for indoor and outdoor installation

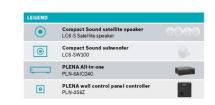
CH1 CH2



PLENA All-in-One

Supermarket: approx. 500 - 800 m² (1640-2624 ft²)

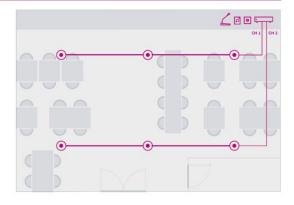
- Built-in AM/FM tuner with presets, MP3 player for USB device and SD card
- Flexible control via wall panel



PLENA Easy Line

Fast Food Restaurant: approx. 150 - 250 m² (492-820 ft²) 2 zones

- Separate tone control for voice and music
- Priority input for (emergency) broadcast announcements







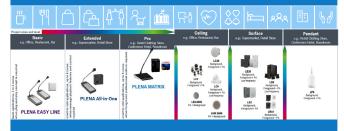
Why Bosch Commercial Audio?





- Vast experience and expertise wins over customers
- Solid and reliable product performance delivering high quality audio for every price range

Wide and resilient commercial audio and speaker portfolio



- Contribute to a better world
- ► Cater for all sizes and types of applications, even large, integrated project solutions
- ► Fulfilling budget background music as well as high quality foreground music and announcement requirements

Global partnerships and closeness to customers



 Support our customers to shape their future



We offer end-to-end solutions that are anticipating, sustainable and inspire new opportunities for our commercial audio customers



