

# Plena All-in-One

## Plug, play and enjoy



Security Systems



### The 'All-in-One' solution for background music and paging

- Compact background music and paging system
- Dual-zone 120 W mixer amplifier
- Priority and VOX microphone input
- CD player (audio and MP3)
- Digital FM/AM tuner with 15 presets



Communication you can rely on

# BOSCH

## Plena All-in-One

### The professional PA solution for smaller applications

In small to medium sized businesses and organizations like retail shops, supermarkets, workshops, garages, restaurants, schools and leisure facilities, the Plena All-in-One is the perfect compact public address solution for making announcements, paging people and providing background music. It features a high-performance 120 W mixer amplifier, a multi-format CD player and a digital FM/AM tuner in one stylish dark gray housing.

### Full-featured

With three balanced microphone inputs and two individually selectable loudspeaker zones (each with its own volume control) the Plena All-in-One is a fully featured PA solution. Its 120 W (rms) output power covers virtually all needs, particularly when used with top quality Bosch 100V ceiling and cabinet loudspeakers. The main microphone input features priority contacts and a VOX switching function for overriding the other inputs and the music. Announcements can be preceded by a two-tone chime. All microphone inputs have their own volume control.

### A choice of background music sources

Background music can be provided by the Plena All-in-One's built-in digital FM/AM tuner with 15 presets to store radio stations, or by the professional quality CD player that replays both normal audio-CDs and MP3-encoded CD-Rs with up to a whole day of music. A simple user interface allows the music to be organized in folders on a CD-R in the most convenient way. An auxiliary music input is also provided for external sources such as a DVD or cassette deck.

### The reassurance of a 3-year warranty

The All-in-One is part of the Bosch Plena public address range and benefits from the same 'Plug-&-Play' design philosophy. It is easy to install and operate with straightforward controls and large, clear status displays. Offering professional quality at an affordable price, the All-in-One is backed up with a full 3-year warranty.

#### Plena All-in-One BGM/Paging System LBB 1970/00

Supply voltage	230/115 Vac, $\pm$ 10%, 50/60 Hz
Power consumption	400 VA maximum

#### Amplifier

Output power	180 W maximum, 120 W rated
Frequency response	60 Hz - 18 kHz (+1/-3 dB)
Distortion	<1% @ rated output
Bass control	-8/+8 dB @ 100 Hz
Treble control	-8/+8 dB @ 10 kHz

#### Microphone input 1

Sensitivity	1 mV, >1 kohm
S/N	>63 dB nominal, >75 dB muted
Connector	5-pin DIN, balanced with 12 V phantom supply and priority
or	6.3 mm jack with VOX (adjustable ducking level for music)

#### Microphone input 2/3

Sensitivity	1 mV, >1 kohm
S/N	>63 dB nominal, >75 dB muted
Connector	3-pin XLR, balanced with 12 V phantom supply

#### Auxiliary input

S/N	>70 dB nominal, >75 dB muted
-----	------------------------------

#### 2 Loudspeaker zones

Call + Music	100 V (with volume control per zone) and 8 ohm
--------------	--

#### 1 Loudspeaker zone

Call only	100 V (fixed)
-----------	---------------

#### Tape output

	350 mV, 1 kohm, Cinch
--	-----------------------

#### CD player

##### Audio CD

Frequency response	20 Hz - 20 kHz (+1/-3 dB)
Distortion	<0.1%
S/N	>80 dB

##### MP3 CD/CD-R

Supported bit rates	CBR 32 kbps - 320 kbps and VBR
---------------------	--------------------------------

#### Tuner

Range FM	87.5 - 108 MHz
Range AM	531-1602 or 530-1610 kHz
Presets	15 (10 FM / 5 AM)
Frequency response	30 Hz - 15 kHz (+1/-3 dB, FM)
Distortion	<1%
S/N	>63 dB (1 mV, FM)

#### Recommended options

LBC 3951/01	Ceiling speaker 6 W
LBC 3410/01	Pro Sound cabinet speaker 10 W
LBB 1950/10	Table-stand microphone (Din/XLR) with switching contacts for priority calls
LBC 2900/15	Hand-held microphone (6.3 mm jack, for microphone input 1 only)
LBC 2900/20	Hand-held microphone (XLR, for microphone input 2 or 3 only)

Bosch Security Systems  
For more information please visit  
[www.boschsecuritysystems.com](http://www.boschsecuritysystems.com)

# BOSCH