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## LBB 1961/00 Plena BGM Source



- ▶ Mono source unit for background music
- ▶ CD-player for audio and MP3 CD/CD-R
- ▶ FM/AM tuner with 15 presets and digital control
- ▶ Simultaneous operation of CD-player and tuner
- ▶ Separate outputs and level controls for CD-player and tuner
- ▶ Combined CD-player/tuner output with player priority

The Plena BGM Source unit is the ideal, high-quality source for background music (BGM) in public address systems. The unit has a CD-player and a digitally controlled FM/AM tuner in a compact 2U-high, 19" housing. It is typically used in shops, supermarkets, restaurants, bars, canteens, gyms, showrooms, and other places where BGM creates the right atmosphere. It connects to almost any public address amplifier. The unit's appearance is in line with the Bosch Plena range of products.

### Functions

The CD-player not only plays normal audio CDs but also CD-Rs with MP3-encoded files. It has mono operation in accordance with public address needs and can provide a whole day of high-quality uninterrupted playback from a single MP3-disc. Music may be organized on a disc in multiple folders with music selection for different occasions, with programming facilities for up to 999 tracks. Repeat and random play modes are also supported.

The digitally controlled FM/AM tuner uses a frequency synthesizer for accurate capture of radio stations and has 10 presets for FM and 10 presets for AM to store favorite radio stations.

Both the CD-player and the tuner operate simultaneously on different outputs to facilitate two-channel BGM distribution. The output level of both outputs can be adjusted via rear panel presets. A combined output is also available for connection to systems without an input selector. In the combined output mode the system defaults to the tuner signal when the CD-player is not active. When the player is active, its signal overrides that of the tuner.

### Certifications and Approvals

Safety	acc. to EN 60065
Immunity	acc. to EN 55103-2
Emission	acc. to EN 55103-1

### Parts Included

Quantity	Component
1	LBB 1961/00 Plena BMG Source
1	Power cord
1	Set of 19" mounting brackets

## Technical Specifications

### Electrical

#### Mains power supply

Voltage 230/115 VAC, ±15%, 50/60 Hz

Max power consumption 25 VA

#### Tuner

Tuning range FM 87.5 to 108 MHz (Europe, 50 kHz)  
87.5 to 108 MHz (Asia / USA, 100 kHz)

AM 531 to 1602 kHz (Europe, 9 kHz)  
530 to 1610 kHz (Asia / USA, 10 kHz)

FM sensitivity 2 µV (26 dB S/N)

AM sensitivity 30 µV (20 dB S/N)

Frequency response 30 Hz to 15 kHz (+1 / -3 dB, FM)

Distortion <1%

S/N >63 dB (1 mV, FM)

#### CD-player

Frequency response 20 Hz to 20 kHz (+1 / -3 dB)

Distortion <0.1%

S/N >80 dB

MP3 bit rates CBR 32 kbps to 320 kbps and VBR, mono and stereo

Data buffer shock protection 8 MB

lifetime >10,000 CD play cycles

Memory for track selection 999 tracks (MP3) 99 tracks (audio CD)

**Tuner output** 1 x

Connector Cinch, 2 x mono

Nominal level 200 mV

**CD player output** 1 x

Connector Cinch, 2 x mono

Nominal level 500 mV

**Mixed output** 1 x

Connector Cinch, 2 x mono

Nominal level 200 mV

### Mechanical

Dimensions (H x W x D) 144 x 430 x 320 mm  
(19" wide, 3U high)

Weight Approx. 4.2 kg

Mounting Standalone, 19" rack

Color Charcoal

## Environmental

Operating temperature -10 °C to +55 °C (14 °F to +131 °F)

Storage temperature -40 °C to +70 °C (-40 °F to +158 °F)

Relative humidity <95%

## Ordering Information

LBB 1961/00 Plena BGM Source

LBB1961/00

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