

LBB 1961/00

Plena BGM Source



Security Systems



- 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 priority for the CD-player

LBB 1961/00 Plena BGM Source

The Plena BGM source unit is the ideal high quality source for background music (BGM) in public address systems. The unit comprises a CD-player and a digitally controlled FM/AM tuner in a compact 2U-high, 19"-wide housing. Typically it is used in shops, supermarkets, restaurants, bars, canteens, gymnasiums, showrooms and other places where BGM creates the right atmosphere. The unit can be connected to all types of public address amplifiers. The unit's appearance is in-line with the current range of Plena products.

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 allows for a whole day of high quality uninterrupted music play-back from a single MP3-disc. Music may be organised 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 provided.

The digitally controlled FM/AM tuner uses a frequency synthesizer for accurate capture of radio stations and has 10 presets for FM and 5 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 a system without an input selector. The combined output provides the tuner signal as long as the CD-player is not playing. If the CD-player is active, then the CD-player signal is provided on that output.

SPECIFICATIONS (IEC60268-3)

ELECTRICAL

Mains voltage	230/115 VAC, $\pm 15\%$, 50/60 Hz
Max mains power consumption	25 VA
Max mains inrush current	1.5 A @ 230 Vac / 3 A @ 115 Vac

TUNER

Tuning range

FM	87.5 - 108 MHz
	(EUROPE, 50 kHz)
	87.5 - 108 MHz
	(ASIA/AMERICA, 100 kHz)
AM	531 - 1602 kHz
	(EUROPE, 9 kHz)
	530 - 1610 kHz
	(ASIA/AMERICA, 10 kHz)

Sensitivity

FM	2 μ V (26 dB S/N)
AM	30 μ V (20 dB S/N)

Performance

Frequency response	30 Hz - 15 kHz (+1/-3 dB, FM)
Distortion	<1%
S/N	>63 dB (1 m V, FM)

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, mono and stereo
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GENERAL

Data buffer (shock protection)	8 MByte
Lifetime	>10.000 CD play cycles
Memory for track selection	999 tracks (MP3), 99 tracks (audio CD)

OUTPUTS

Tuner output (Cinch, 2x mono)

Nominal level	200 mV
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CD-player output (Cinch, 2x mono)

Nominal level	500 mV
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Mixed output (Cinch, 2x mono)

Nominal level	200 mV
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ENVIRONMENTAL CONDITIONS

Operating temperature range	+5 to +55°C
Storage temperature range	-25 to +55°C
Relative humidity	<95%

GENERAL

EMC emission	acc. to EN 55103-1
EMC immunity	acc. to EN 55103-2
Safety	acc. to EN 60065
Dimensions	100 x 430 x 270 mm (19" wide, 2U high)
Weight	approx. 4.2 kg
19" mounting brackets	included