

PLE-SDT Plena Easy Line SD Tuner BGM source

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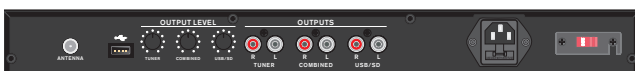
- ▶ MP3 playback from SD card and USB inputs
- ▶ FM tuner with RDS, presets and digital control
- ▶ Simultaneous operation of SD/USB-player and FM tuner
- ▶ Separate outputs for digital source and FM tuner

The PLE-SDT Plena Easy Line SD Tuner BGM source is the ideal high-quality source for background music (BGM) in public address systems. It provides hours of uninterrupted music for professional systems. Designed without moving parts, it can be used in systems that are on for long periods. It is designed to be used with non-volatile steady state flash memory.

System overview

The unit has a digital source side for MP3's stored on SD card and USB memory stick, and a side with an FM tuner. It is typically used in hotels, shops, supermarkets, restaurants, bars, canteens, gyms, showrooms, and other places where BGM creates the right atmosphere. It connects to any public address amplifier. The design follows the Plena Easy Line design and is part of the Advantage Line by Bosch.

Functions



With an SD/USB capacity of up to 32 GB (up to 2000 tracks) and the option to connect the USB either on the front or rear panel, the digital player provides

hours of high-quality, uninterrupted music playback from a single source. It supports music organized on a disk in multiple folders. The player will automatically search and play all playable MP3's on a flash memory device, and has repeat and random play modes.

Digital Source

It can play MP3's with bit-rates from 32 kbps to 320 kbps, mono / stereo / joint-stereo, and both constant bit-rates (CBR) and variable bit-rate (VBR) are supported.

Tuner

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

Outputs

Both the player and the tuner can operate simultaneously on different outputs. The output level of the outputs can be set via the rear panel. Next to the stereo analog outputs per side, there is a combined output that plays the digital content and automatically switches over to the FM tuner when the last track has been played.

Certifications and approvals

Safety	according to IEC/EN 60065
	CCC
	C-Tick
CE	EN 55013+A1+A2,
	EN 61000-3-2,
	EN 61000-3-3+A1
	2006/95/CE LVD Directive
	2004/108/CE EMC
	IEC EN 55020+A2+EC
	CE marking
Region	Certification
Europe	CE

Installation/configuration notes

The PLE-SDT is a 19" rack-mount unit with detachable rack mount brackets for tabletop use. The unit comes with an IR remote control to control all sources. It is compatible with High Capacity Secure Digital (SDHC), MMC memory cards, Flash USB sticks and bus powered (2.5") hard disk drives (HDD). System connection cables are included.

Parts included

Quantity	Components
1	PLE-SDT Plena Easy Line SD Tuner BGM source
1	AC Power cord
1	Safety instructions
1	Set of 19" mounting brackets
1	Remote control
2	2-pair audio RCA cable (2.5 m)
1	SD card including free music and the instructions for use

Technical specifications

Electrical

Mains power supply	
Voltage	115 - 230 VAC \pm 10%, 50/60 Hz
Power supply fuses	230 VAC 0.63 AT / 250 V
	120 VAC 1.25 AT / 250 V
Power consumption (typical)	10 W
Power consumption (Max.)	50 VA

FM tuner	
Distortion	< 1 %
Total harmonic distortion (1 kHz)	< 0.8 %
FM range	87.5 \div 108 MHz
Frequency response	50 Hz \div 12 kHz
Channel separation (1 kHz)	\geq 40 dB
Intermediate rejection	\geq 70 dB
Signal / noise ratio	\geq 50 dB
Intermediate frequency	10.7 MHz
Input sensitivity	6 μ V e.m.f. (2 uV)
Automatic tuning sensitivity	\leq 50 μ V
Antenna input	75 ohms (coaxial)
Audio output level	- 10 dBV

SD / USB audio player	
Maximum storage capacity	32 GB
Maximum number of tracks	2000
Frequency response	50 Hz \div 20 kHz
Signal / noise ratio	\geq 70 dB
Total harmonic distortion (1 kHz)	< 0.1 %
Stereo separation	\geq 60 dB
Audio output level	- 10 dBV

Mechanical

Dimensions (H x W x D)	44 x 444 x 250 mm (1.73 x 17.48 x 9.84 in)
Mounting	Stand-alone, 19" rack (19" wide, 1U high)
Color	Charcoal with silver printing
Weight	Approx. 3.6 kg

Environmental

Operating temperature	-25 $^{\circ}$ C to +45 $^{\circ}$ C
Storage temperature	-40 $^{\circ}$ C to +70 $^{\circ}$ C
Relative humidity	< 90 % (non condensing)

Ordering information

PLE-SDT Plena Easy Line SD Tuner BGM source
USB/SD MP3 player and FM tuner functions.
Order number **PLE-SDT**

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