PLN-DVDT Plena BGM Source

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BOSCH
Invented for life

- ▶ Source unit for background music
- ▶ DVD/CD-player for video and audio
- ▶ Supports MP3, JPEG, and multi-format video outputs
- ▶ AM/FM tuner with 10 presets and digital control
- ▶ Simultaneous operation of-player and tuner

The Plena BGM source unit is the ideal high-quality source for background music (BGM) in public address systems. The unit consists of a DVD/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

Player

The DVD/CD player provides up to a whole workweek of high quality, uninterrupted music playback from a single MP3 DVD. It supports music organized on a disk in multiple folders. The player will automatically search and play all playable formats on a disk, and has repeat mode. Navigation is done on the multi lingual on screen display.

Formats

The unit plays normal audio and video DVD/CDs, as well as long-play MPEG2, MP3 encoded CDs. It can also play MP3s and display JPEGs on CD-R, DVD-ROM, DVD-R. MP3-files with bit-rates from 32 kbps to 320 kbps, mono/ stereo/joint-stereo, and both continuous bit-rates (CBR) and variable bit-rate (VBR) are supported. Component, composite, and S-Video connectors are available for video output. The unit plays PAL and NTSC content in progressive scan, as well as interleaved. It is also possible to view JPEG images from disk.

Output

Next to the stereo analog outputs, the disc part of the unit also has a TOSlink optical output that supports S/P DIF as well as DST and Dolby Digital. It is possible to output S/P DIF, regardless of the source, and to choose left/right, surround channels of low frequency effects on this output.

Tuner

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

Controls and operation

Basic controls are on the unit itself, while navigation and configuration is done with the remote control and the on screen display. The unit supports most major languages, and it is possible to set regional preference, such as subtitle language preference.

Both the player and the tuner can operate simultaneously on different outputs to facilitate two-channel BGM distribution. The output level of both outputs can be adjusted via rear panel presets.

Combined output is also possible, to connect to systems without input selection. In the combined output mode the system defaults to the tuner signal as long as the DVD/CD-player is not playing. 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

Region	Certification
Europe	CE

Parts included

Quantity	Component
1	PLN-DVDT Plena BMG Source
1	Remote control
1	Power cord
1	Set of 19" mounting brackets
1	Installation and User instructions
1	Plena CD

Technical specifications

Electrical

Mains power supply	
Voltage	230/115 VAC, ±15%, 50/60 Hz
Max power consumption	25 VA

DVD/CD-player	
Frequency response	2 Hz to 20 kHz (+1/-3 dB)
Distortion	<0.1%
S/N	>96 dB

Mp3	
MP3 bit rates	CBR 32 to 320 kbps and VBR, mono and stereo
Data buffer shock protection	32 MB

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

DVD/CD player outputs	2 x
Connector	Cinch, (RCA) stereo
Nominal level	500 mV

Optical output	TOSlink (PCM, multi channel)
Supported formats	DVD, CD, (re-)writables MP3, MP4, JPEG

Mixed output	1 x
Connector	Cinch, (RCA) stereo
Nominal level	200 mV

Video outputs	
Component connectors	3 x cinch
Composite connector	1 x cinch
S-video connector	1 x mini-DIN

Tuner freqency range		
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 µV (26 dB S/N)
	AM	30 µV (20 dB S/N)

Mechanical

Dimensions (H x W x D)	100 x 430 x 270 mm (19" wide, 2U high)
Weight	Approx. 4.2 kg
Mounting	Standalone, 19" rack
Color	Charcoal

Environmental

Operating temperature	-10 ºC to +45 ºC (14 ºF to +113 ºF)
Storage temperature	-40 ºC to +70 ºC (-40 ºF to +158 ºF)
Relative humidity	<95%

Ordering information

PLN-DVDT Plena BGM Source
A high-quality source for background music (BGM) in public address systems.
Order number **PLN-DVDT**