

PRM-USTB Music source, USB, SD, Tuner, Bluetooth PLENA solutions



The PRM-USTB is a professional multi-source music player intended to be used as background music source for public address and commercial audio applications. It has USB interface, SD card input for playing stored music files, tuner for FM frequency band broadcast receiver and Bluetooth® receiver for direct music streaming from a mobile device. It is used in hotels, shops, supermarkets, restaurants, bars, canteens, gyms, showrooms, and other places where background music creates the right atmosphere.

Functions

USB/SD

With an SD/USB memory capacity of up to 32 GB (up to 8000 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 SD card or USB device in multiple folders. The player will automatically search and play all supported files on a flash memory device.

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

Tuner

The digitally controlled FM tuner can accurately capture the radio stations and has presets memory to store favorite radio stations.

- ▶ Music streaming from Bluetooth®-enabled music source
- ▶ 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

Bluetooth®*

The built-in Bluetooth® receiver that can be paired with a Bluetooth®-enabled music source like a mobile phone, tablet, or computer. After pairing the device, music can be streamed to the device. Music can be simultaneously controlled from PRM-USTB and the paired mobile device.

*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Bosch Security Systems, Inc. is under license. Other trademarks and trade names are those of their respective owner.

Outputs

The media player (USB, SD or Bluetooth®) and the tuner can be simultaneously operated with audio to different output terminals. The level of the outputs can be set with the volume control buttons on the front panel or the remote. There is a combined output which has priority for media player, it automatically switches over to the FM tuner when there is no active media player input.

Regulatory information

Safety	EN 62368-1
Immunity	EN 55035
Emissions	EN 55032 EN 61000-3-3
Environment	EN IEC 63000
Wireless	EN 301489

EN 300328		
Region	Regulatory compliance/quality marks	
Europe	CE	Declaration of conformity
Great Britain	UKCA	UK Conformity Assessed

Parts included	
Quantity	Component
1	Music source PRM-USTB
1	Mains power cord
1	Set of 19 inches mounting brackets with screws
1	Remote control (battery not included)
2	Stereo RCA audio cable (unshielded)
1	Antenna cable including connector
1	SD memory card (16 GB)
1	Quick installation guide
1	Safety information

Technical specifications	
Electrical	
Mains power supply	
Voltage range	110 — 120 VAC +/-10%, 50 — 60 Hz 220 — 240 VAC +/-10%, 50 — 60 Hz
Power supply fuse	0.63 A / 250 V
Power consumption (W)	15 W
FM Tuner	
FM frequency range	87.5 — 108 MHz
Frequency response	50 Hz — 12 kHz +/-3 dB
Channel separation (1 kHz)	>25 dB
Signal-to-noise ratio	>50 dB
FM input sensitivity	26 dBu
Antenna impedance	75 ohm
Audio output level	1.5 V rms +/-1 dB at 10 kΩ
USB or SD source	
Frequency response (Hz)	50 Hz — 18 kHz +/-1 dB
Signal-to-noise ratio (1kHz)	>75 dB

Total harmonic distortion (1 kHz)	<0.5%
Channel separation (1 kHz)	>70 dB
Audio output level	1.5 V rms +/-1 dB at 10 kΩ
USB output current limit	500 mA max. (front and rear USB ports together)
Memory card capacity (GB)	32 GB maximum
Supported file structure	FAT, FAT32 and exFAT
Supported audio files	mp3, wma, wav, flac, ape

Bluetooth®

Version	Bluetooth® 5.0
Distance	>5 m
Supported profiles	A2DP, AVRCP
Frequency response (Hz)	50 Hz — 18 kHz +/- 1 dB
Signal-to-noise ratio (1 kHz)	>75 dB
Total harmonic distortion (1 kHz)	<0.5%
Channel separation (1 kHz)	>70 dB
Audio output level	1.5 V rms +/- 1 dB at 10 kΩ

Mechanical

Dimensions (H x W x D) (mm)	44 mm x 482 mm x 250 mm
Dimensions (H x W x D) (in)	1.73 in x 18.97 in x 9.84 in
Dimensions (H x W x D) (mm) (without brackets)	44 mm x 430 mm x 250 mm
Dimensions (H x W x D) (in) (without brackets)	1.73 in. x 16.93 in x 9.84 in.
Mounting	Stand-alone, 19" rack (19" wide, 1 U high)
Color (RAL)	RAL 9017 Traffic black
Weight (kg) (unit)	3.20 kg
Remote control dimensions (L x W x D) (mm) (remote control)	130 mm x 44 mm x 20 mm
Weight (g) (remote control without batteries)	32 g

Environmental

Operating temperature (°C)	0 °C — 45 °C
Storage temperature (°C)	-40 °C — 70 °C
Operating relative humidity, non-condensing (%)	<90%

Ordering information

PRM-USTB Music source, USB, SD, Tuner, Bluetooth

USB/SD MP3 player with FM tuner functions.

Order number **PRM-USTB | F.01U.398.584**



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