

eMOTUS5PB

SURFACE MOUNT CABINETS

Powered Loudspeakers – Stereo kit



PRODUCT OVERVIEW

eMOTUS5PB is a stereo loudspeaker kit including an active and a passive cabinet. eMOTUS5PB performs BT connection, balanced and unbalanced audio inputs. Moreover, it includes an IR remote control and 0-10VDC remote port for volume control. A professional and compact loudspeaker stereo kit, a user-friendly and cost-effective formula with a fantastic performance and a unique design that will easily fit in a massive number of multimedia applications: education classrooms, corporate meeting rooms, retail stores, etc. Available in white colour.

KEY FEATURES

- Stereo kit: 2x25W RMS.
- 2-ways: 5" woofer + 1 " tweeter.
- 2 analogue audio inputs (balanced- Euroblock and unbalanced-RCA).
- BT connection with priority (selectable).
- Ecler eMOTUSBT app (available for iOS and Android) that allows users to configure the Bluetooth PIN and Device ID.
- Sound source selection.
- 2-band tone control.
- Stereo/mono switch.
- Remote port (RJ-45) for volume control (WPaVOL compatible)
- Auto stand-by.
- Includes remote control, wall bracket and security steel cable.
- White finish (RAL 9003).

APPLICATIONS

- Classrooms
- Meeting rooms
- Multimedia presentations (in combination with video projectors, screens, etc.)
- Retail shops
- Museums and exhibitions
- Hotel rooms

ACCESSORIES AND COMPATIBLE PRODUCTS

- [TOCA-VOL](#)
- [GROUNDY](#)
- [CEILY](#)



TECHNICAL SPECIFICATIONS

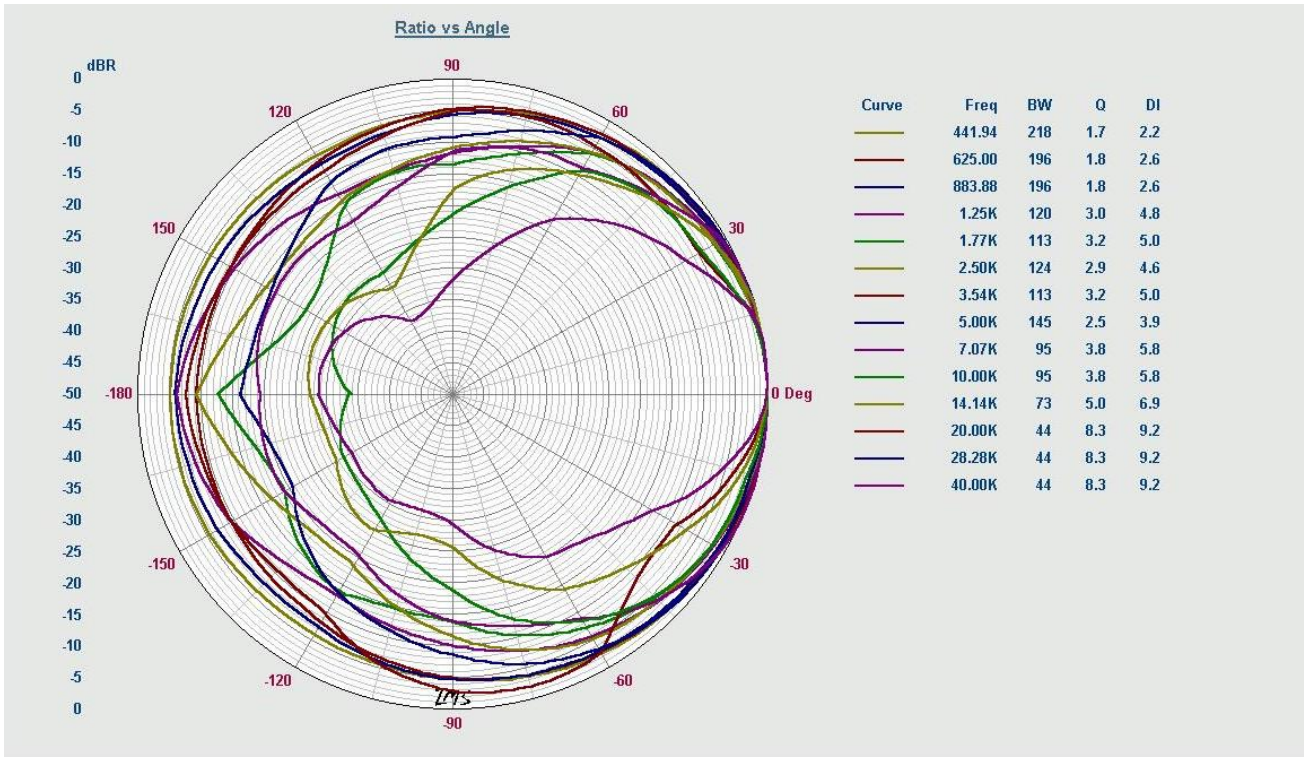
eMOTUS5PB

System	
Effective frequency range ¹	85Hz – 20kHz
Coverage angle ²	124°x124° (HxV)
Power handling	25 W RMS / 100 W Peak
Sensitivity ³	77 dB (1W/1m)
Maximum SPL ⁴	91 dB continuous / 97 dB peak
Transducers	
Ways	2
Low frequency driver	5" woofer
High frequency driver	1 tweeter"
Nominal impedance	8Ω
Physical	
Grille material	Aluminium
Mounting system	Cabinet
Operating temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
Operating humidity	<85% HR
Storage temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
Storage humidity	<90% HR
Included accessories	Remote control, wall bracket and security steel cable
Optional accessories	Ecler TOCA-VOL Remote Wall Volume Control and Ecler GROUNDY / CEILY brackets.
Finished colour	White (RAL 9003)
Dimensions (WxHxD)	Not including brackets: 173 x 180 x 181mm / 6.81 x 7.09 x 7.13 in. Including brackets: 173 x 180 x 249 mm / 6.81 x 7.09 x 9.80 in.
Weight	4.8 kg / 10.58 lb 5.3 kg / 11.68 lb (including accessories)
Powered	
Power	2 x 25 W RMS / 100 W Peak
Audio inputs	2 analogue audio inputs (balanced-Euroblock and unbalanced-RCA) + BT input.
THD + Noise @1kHz Full power	≤0.5%
Input sensitivity	525mV/22k Ω
CMRR	≥80dB
Volume control	Remote port (RJ-45) for volume control (WPaVOL compatible)
Tone control	±14dB
Mains	115 / 230VAC (selectable)
Auto standby time	2'30" (if Auto Standby is ON)
Power consumption (pink noise, 1/8 power @ 8ohm)	≤10.5W
Power consumption (pink noise, 1/3 power @ 8ohm)	≤23W
Power consumption Stand-by	≤3W

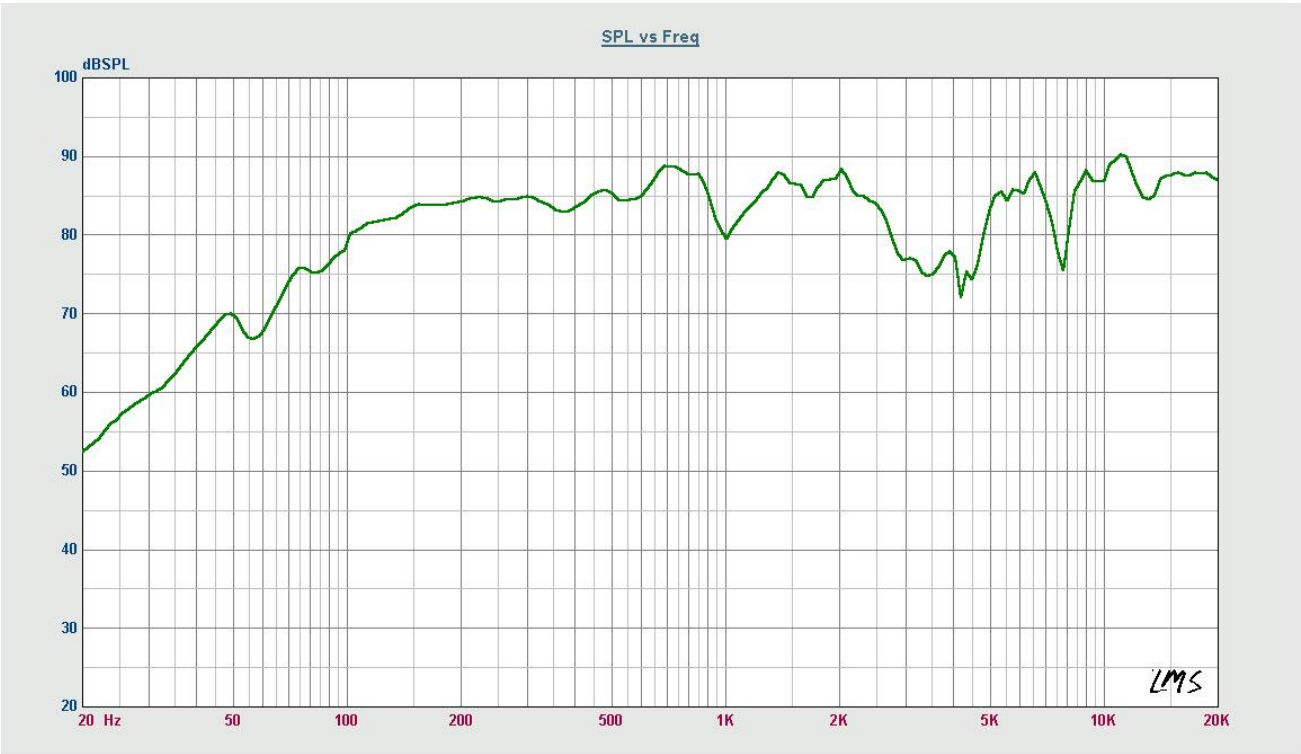
BT module		BT 4.0 Compliant Class II Range up to 10 Meters Supported BT Profiles: A2DP v1.2, AVRCP v1.4, HFP v1.6, HSP v1.2 aptX, SBC, MP3 and AAC decoder support
Remote control		
	Fosc	455 kHz
	Carrier frequency	38 kHz NEC format
	Battery	Lithium Cell CR2025 3V

¹10dB below the sound pressure level at specified sensitivity
²6dB below the sound pressure level than that at the direction of maximum level, Max. angle between 1 kHz and 4 kHz.
³Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 10 kHz.
⁴Calculated from sensitivity and power handling specifications, exclusive of power compression

POLAR DIAGRAM



FREQUENCY RESPONSE



MECHANICAL DIAGRAM

Ecler eMOTUS5PB/eMOTUS5P Mechanical Diagram

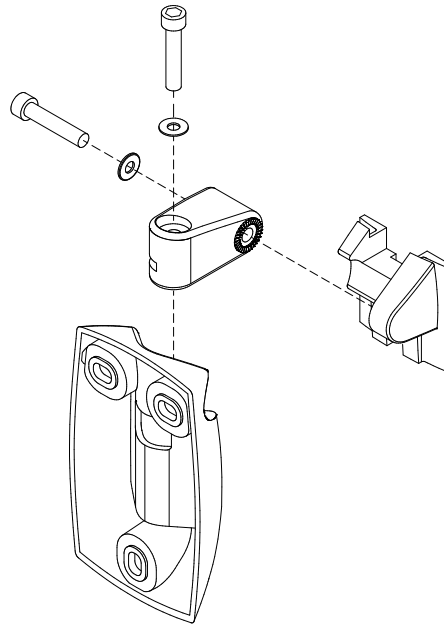
68 181 173 180

All the measurements are in mm

61-1072-0100

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WALL SUPPORT MOUNTING DIAGRAM



A&E SPECIFICATIONS

The loudspeaker system shall be a two-way surface-mount stereo kit consisting of one active and one passive cabinet, each incorporating a 5" woofer and a 1" tweeter. The system shall be suitable for multimedia applications in classrooms, meeting rooms, retail spaces, and similar environments.

The power handling shall be 2 x 25 W RMS at a nominal impedance of 8 Ω , with a peak power handling of 100 W. The effective frequency range (± 10 dB) shall be from 85 Hz to 20 kHz. The sensitivity shall be 77 dB considering 1 W input signal at 1 meter distance, while the maximum continuous sound pressure level shall be 91 dB and 97 dB peak. The nominal coverage angle shall be 124° x 124° (HxV).

The system shall include two analogue audio inputs: one balanced (Euroblock) and one unbalanced (RCA), as well as a Bluetooth® input. Bluetooth connectivity shall be compliant with BT 4.0, Class II, with a range up to 10 meters, supporting profiles A2DP v1.2, AVRCP v1.4, HFP v1.6, HSP v1.2, and codecs aptX, SBC, MP3, and AAC. The system shall allow source selection, stereo/mono switching, and 2-band tone control (± 14 dB).

Volume control shall be available via an RJ-45 remote port compatible with WPaVOL wall panels and via the included IR remote control (carrier frequency 38 kHz NEC format, powered by CR2025 3V lithium cell). The system shall include auto standby functionality (2'30" delay) and be configurable via the Ecler eMOTUSBT app (iOS and Android) for Bluetooth PIN and Device ID.

The enclosure shall be made of ABS and the grille shall be made of aluminium. It shall be available in white (RAL9003) finish. Mounting shall be possible using the included wall bracket and security steel cable.

The loudspeaker shall operate on 115 / 230 VAC (selectable), with a power consumption of ≤ 10.5 W (1/8 power), ≤ 23 W (1/3 power), and ≤ 3 W in standby mode.

The dimensions shall be 173 x 180 x 181 mm (WxHxD) without brackets and 173 x 180 x 249 mm including brackets. The weight shall not exceed 4.8 kg (5.3 kg with accessories).

The loudspeaker shall be the ECLER eMOTUS5PB.



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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