



## eMOTUS5P/eMOTUS5PB

SURFACE MOUNT CABINETS

*Powered Loudspeakers - Stereo kit*



## USER MANUAL

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## IMPORTANT NOTE

Congratulations. You now own the result of a well-designed, carefully produced manufacture. We thank you for your trust by having chosen our set of powered eMOTUS5P/eMOTUS5PB acoustic cabinets.

To achieve its maximum working order and performance, it is VERY IMPORTANT, before connecting, to read this manual carefully. To guarantee optimum working order, we recommend that maintenance be carried out by our authorized Technical Services.



Warning: an inappropriate usage of the device could cause injury, death or damage the apparatus.

## PRECAUTIONS

- Read these instructions
- Keep these instructions
- Heed all warnings
- Follow all instructions
- Do not use this apparatus near water
- Clean only with dry cloth
- Install in accordance with the manufacturer's instructions
- Do not install near any heat sources such as radiators or heat registers
- Only use attachments/accessories specified by the manufacturer
- Refer all servicing to qualified personnel

## INTRODUCTION

The eMOTUS5P / eMOTUS5PB is a kit of loudspeakers including an active and a passive acoustic box. The eMOTUS5PB includes a wireless BT receiver, remote control and remote control volume port (0-10 VDC). A compact, professional stereo kit, easy to handle and at a very attractive price. Its fantastic performance and unique design ensure that it can easily be integrated into a wide range of multimedia applications: lecture halls, meeting rooms, outlets, etc. Available in black and white.

## KEY FEATURES

- Stereo 2-way loudspeaker stereo kit – powered loudspeaker + passive loudspeaker
- Full range: 5" woofer and 1" tweeter
- Integrated amplifier 2 x 25 WRMS (MASTER unit)
- Volume control and tone control (bass & treble) in the MASTER unit
- Euroblock balance stereo input on the MASTER UNIT
- Non-balanced RCA input on the MASTER UNIT
- Wireless BT stereo input (only on the eMOTUS5PB)
- Mono/Stereo switch
- Link between the MASTER and the SLAVE unit via Euroblock connectors.
- Integrated power supply source (MASTER unit)
- Selectable power voltage 115 V/230 V (MASTER unit)
- Auto standby function (automatic standby mode / energy saving without the need to turn the system on or off each day)
- Integrated Anti-Clip System
- LED activity display
- Reinforced ABS construction
- BT wireless connection, remote control port (0-10 VDC – RJ45 connector) and remote control (eMOTUS5PB)
- Available in black and white

## POSITIONING AND FITTING

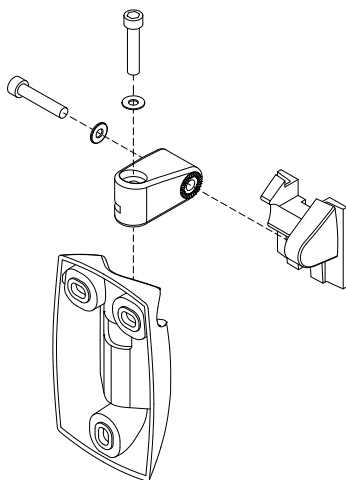
In the packing of the eMOTUS systems, you will find all you need to complete installation of the two units.

The following should be observed as general rules:

- Always install on solid, firm surfaces.
- For good sound reproduction, there should be no hindrance between the units and the audience.
- Adjust the levels of sound pressure to reproduction requirements. Despite its small size, the eMOTUS5P / eMOTUS5PB has a performance far higher than that of domestic loudspeakers.

Procedure for installing **on a surface**:

1. Make three 6 mm screw holes in the wall, aligned with the position of the holes in the bracket.
2. Insert three 6 mm wall plugs into the holes.
3. Fasten the safety line on the rear of the bracket.
4. Fit the bracket in place, after threading the line and loudspeaker wire through the square hole in the bracket. Secure the bracket to the wall.



5. Connect the power supply cables, signal input and link between the two units to the connectors on the rear part of the housing. Ensure correct polarity in the Euroblock terminals.
6. Place the acoustic box in its final position, sliding it vertically downwards so that the rear side of the rail slots into the bracket rail.
7. Secure the safety wire on the rear part of the acoustic box to ensure that it does not accidentally fall and cause any material and/or personal damage.
8. Orientate the box to achieve the required position on the vertical and horizontal axes. Tighten up the Allen screws on the bracket to fasten this position on both axes.

## START UP

### eMOTUS5P

To start up the system, turn on the MASTER (L) unit with the switch on the rear panel and adjust the volume and equalizer to the required settings.

You may select the audio source (balanced or non-balanced input) by pressing the rotating volume encoder.

### eMOTUS5PB

To start up the system, turn on the MASTER (L) unit with the switch on the rear panel and adjust the volume and equalizer to the required settings. Pressing the rotating volume encoder, the unit will be muted.

You can select the audio source (balanced, non-balanced input or wireless connection) by pressing the relevant button on the remote control: BAL, UNBAL or BT.

#### Wireless connection

Press the **BT** key to select the wireless connection mode. For pairing the BT, the eMOTUS5BT is displayed on other devices as the eMOTUS5 (password:"0000"). Once paired with the emitting device, the eMOTUS5PB will act as a receiver/reproducer of the audio emitted by the former.

**N.B.** To safeguard the system from any possible power surges in the electrical supply, there is a network fuse in the MASTER unit, located in a screw mount fuse holder in the rear panel. In the event of this blowing, disconnect the device, remove it from the wall bracket, unscrew the fuse holder, take out the fuse and replace it with another with identical characteristics. If the new fuse blows straight away, consult our Technical Department.

## REMOTE CONTROL

Remote control (only applies to the eMOTUS5BT model)



1. Turn on: on/off. The green LED display lights up when the unit is on. When off, no LED is displayed.
2. LED display: turn on/off the LEDs while the unit is operating. When restarting the unit, this function returns to its default value: LEDs on.
3. MUTE. The red LED blinks on and off when the unit is muted.
4. BT: wireless connection. The blue LED light turns on when there is a BT connection by pressing the BT key.
5. UNBAL: select the stereo unbalanced RCA input as the audio input source.
6. BAL: select the stereo balanced Euroblock input as the audio input source.
7. Volume: increase/decrease the volume in 1 step (range available in 0-36 steps). This only operates when the unit is on.
8. Bass & Treble: increases/decreases by 1 dB (range available of -7 to +7dB) in bass/treble.
9. BT priority: if priority is activated, whenever it detects a wireless connection available, this will take priority over the other audio inputs and will automatically switch over to this.



10. Auto Standby: keep pressed (for 2 secs.) to activate/deactivate the auto standby function. If this is activated, after 2`30" with no audio in the inputs and if the remote controlled is not used, the unit will switch to standby mode.
11. Reset: keep pressed (for 2 secs.) to reset the system to its default values: BT priority ON, volume = 30 bass; treble = 0.
12. Flat: keep pressed (for 2 secs.) to reset the system to its default equalizer values: bass = 0; treble = 0.

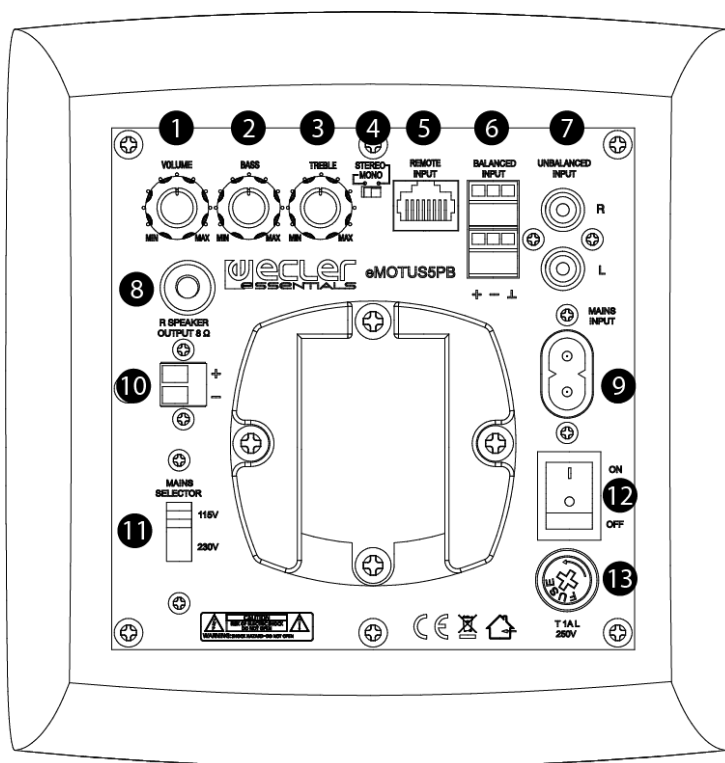
Remote port (only applies to the eMOTUS5BT model)

**REMOTE** port: the RJ-45 REMOTE type connector makes it possible to connect from a type WPmVOL wall control panel (control 0-10 VDC) for adjusting the general output volume. The connection is made by a standard CAT5 cable between the WPmVOL wall panel and the REMOTE connector on the MASTER unit.

As there is an eMOTUS5PB kit along with a type WPm control and other types of control (rotating control on the rear panel, remote control or control via remote port), at all times, the latest adjustments made using one or another method will prevail. For instance, if the volume is adjusted using a WPmVOL wall panel connected to the REMOTE port, and then said parameters are altered using the control on the rear panel, the latest adjustment will prevail. In this case, when the position of the wall panel is altered again, the eMOTUS5PB kit will retake the values that this indicates, and so on.

**N.B.** the green LED light will keep on whenever the unit is on. It will blink on and off when there is activity in the remote controls (remote control or 0-10VDC port).

## REAR PANEL



1. Output volume control
2. Bass control
3. Treble control
4. Stereo-mono switch
5. Remote input RJ-45. Only applies to the eMOTUS5BT model
6. Balanced audio input - Euroblock connectors
7. Non-balanced audio input – RCA connectors
8. Attachment point for the safety cable
9. Socket base
10. Amplified output right channel R
11. Mains selector (115V / 230V)
12. Start up switch
13. Fuse holder

## TECHNICAL SPECIFICATIONS

eMOTUS5PB / eMOTUS5P	
Power	2 x 25W RMS
Impedance	8 $\Omega$
Frequency response ( $\pm 10$ dB)	85Hz – 20kHz
THD + Noise @ 1kHz Full PWR	$\leq 0.5\%$
Inputs sensitivity nom/impedance	525mV/22k $\Omega$
CMRR - Line Bal	$\geq 80$ dB
Tone control response	$\pm 14$ dB
Mains voltage	115 / 230VAC (selectable)
Power consumption (pink noise, 1/8 power @ 8ohm)	$\leq 10.5$ W
Power consumption (pink noise, 1/3 power @ 8ohm)	$\leq 23$ W
Power consumption Standby	$\leq 3$ W
Construction	Aluminium grill, ABS cabinet
Dimensions (WxDxH)	173x185x180mm - Not including brackets; 173x248x180mm - Including brackets
Weight eMOTUS5PB	4.8 kg – Not including accessories; 5.3 kg – Including accessories
Weight eMOTUS5P	4.2 kg – Not including accessories; 4.5 kg – Including accessories
BT module (eMOTUS5PB)	
	Bluetooth® 4.1 Compliant
	Class II Range up to 10 Meters
	Supported Bluetooth® Profiles: A2DP v1.2, AVRCP v1.4, HFP v1.6, HSP v1.2
	aptX, SBC, MP3 and AAC decoder support
Remote Control (eMOTUS5PB)	
fosc	455 kHz
Carrier frequency	38 kHz NEC format
Battery	Lithium Cell CR2025 3V

## PACKING CONTENT

- eMOTUS5P / eMOTUS5PB loudspeaker kit (one active unit + one passive unit)
- 2 x articulated brackets for wall mounting
- 5mm Allen key
- 2 x metal safety lines against any possible flaking off, with corresponding screws and lock washers.
- 2 x Euroblock connectors with three terminals for balanced stereo input
- Connectors / ACTIVE unit link cable – PASSIVE unit
- 8 x adhesive legs for positioning the loudspeakers on a desktop
- Power cable for the MASTER unit
- The eMOTUS5PB kit also includes a remote control (battery included)
- Quick start Guide
- Warranty card

## FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- - Reorient or relocate the receiving antenna.
- - Increase the separation between the equipment and receiver.
- -

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- - Consult the dealer or an experienced radio/TV technician for help.