

Procella Audio User Guide P5V



Welcome to the world of perfected sound!
Thank you for choosing a Procella Audio loudspeaker system.

For optimal performance, we advise having your Procella loudspeakers installed and fine-tuned by a certified Procella Audio technician. For expert guidance on positioning your speakers perfectly within your space, please reach out to your authorized dealer or directly to Procella Audio. Let's ensure your audio experience is nothing short of extraordinary.

Package contents:

- Procella Audio P5V loudspeaker
- Grill
- This User Guide

INSTALLATION

- When installed horizontal, the waveguide side of the P5V should be towards the outside of the listening area.
- For horizontal center channel use, the waveguide can be located on either side.
- When P5V's are used as L/C/R speakers in combination with a flat screen display or a non-perforated projection screen, we recommend that they be positioned on the same horizontal level, either above or below the panel or screen. If desired, the speakers can be tilted towards the listening position.
- Placing the left and right speakers to the side and the center channel above or below is also acceptable.
- When the P5V loudspeaker is used behind an acoustically transparent projection screen, it should be positioned so that the acoustical center of the speaker (the lower edge of the P5V waveguide) is at about 5/8 of the screen height from the bottom edge of the image. In addition:
 - When possible, the L & R loudspeakers should be toed-in towards the center-line of the room.
 - For installation behind a screen or hidden behind acoustically transparent fabric, the cloth grill should be removed.
- For wall-mounting the P5V using one of the key-hole plates on the back of the enclosure:
 - Three are provided, allowing either vertical or horizontal mounting with the waveguide in the desired position.
 - A screw with a diameter of 4-5mm (3/16") is sufficient for mounting the speaker.
 - Once you have determined the desired location for the speaker, securely mount the screw, preferably into a stud.
 - If a stud is not available, use a wall insert sufficient to support 10 lbs./4.5 Kg.
 - Make sure that there is no risk that the loudspeaker can be pushed off the mounting screw.
 - If in doubt, the enclosure should be secured so that it cannot be pushed upwards, off the screw.
- For wall or ceiling mount of the P5V using the 100x100mm VESA mounting threads on the back of the enclosure:
 - The maximum screw length should be 12mm (1/2")
 - The VESA bracket must have a minimum weight limit of 5kg.
 - Make sure that the bracket is properly assembled and that the speaker is securely mounted so that there is no risk that the loudspeaker can fall off the bracket.

TIPS

- Always insure that the loudspeaker polarity is correct. The red terminal is positive and gives a forward cone motion with applied positive voltage.
- For cable runs up to 10m (30 feet) use minimum 1.5mm² /AWG16 cable. Runs from 10-25m (30-80 feet) require 2.5mm² /AWG14 and runs above 25m (80feet) require 4mm² /AWG12.
- We recommend that the Procella P5V be used with a high-quality power amplifier or A/V receiver with a minimum of 100 Watts per channel into 8 ohms.
- The receiver or processor's bass management should be set to SMALL or our recommended crossover frequency between 80Hz and 100Hz, with a 2nd order HP (12dB/octave) characteristic.

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