

Procella Audio User Guide P5oCW



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 P5oCW loudspeaker with grill
- Wall mount bracket
- 4x silicone spacers
- This User Guide

The P5oCW can be installed on walls or ceilings using the included wall mount bracket or the optional Flat Ceiling bracket. Its drivers and crossover are mounted on a removable and rotatable baffle with 45-degree steps for precision aiming towards the main listening position. This baffle can be easily removed and safely stored if installation occurs before room construction is completed or for future service needs.

CEILING MOUNTING PRECAUTIONS

For ceiling mounting secure the enclosure using a steel wire between a structural frame element and eyehooks on the back of the P5oCW enclosure. Additionally, while the magnets are strong, we recommend using a pair of small screws to firmly secure the grille to the enclosure upon final installation.

INSTALLATION PROCEDURE

- For wall-mounted speakers, use the included wall-bracket. The center line of the bracket mounting holes, is on the acoustical center of the loudspeaker.
- Attached the four silicone spacers to the back of the P5oCW, one on each corner. These spacers provide a certain amount of vibration damping and provide space for speaker cable behind the enclosure.
- For installation with the enclosed wall mounting bracket, there must be a 2.5cm (1") free space above the loudspeaker enclosure.
- The cable outlet through the wall should be made within the area of the recessed connector dish, about 200mm (7.9") off the left and 75mm (3") below the top of the loudspeaker enclosure.
- Make sure that there is no risk that the loudspeaker can be pushed off the bracket. If in doubt, the enclosure should be secured so that it cannot be pushed upwards, off the bracket.
- For ceiling mounting please use our optional Flat Ceiling Bracket, this bracket is specifically designed for easy and flexible installation on ceiling and lowers the P5oCW just 16mm (0.6")
- Always install the P5oCW so that the waveguide points towards the main listening position. For wall mounting, vertical orientation (waveguide above the woofer) is preferred, but the speaker can also be used in a horizontal orientation. In all cases, including ceiling mounts, the waveguide should be directed towards the listening area
- When the P5oCW 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 P5oCW waveguide) is at about 5/8 of the screen height from the bottom edge of the image.
- When used in combination with a flat screen display or a solid/non-perforated projection screen, we recommend that P5oCW L/C/R speakers be mounted above the panel or screen.
- For installation behind a screen or hidden behind acoustically transparent fabric, the grill should be removed.

TIPS

- Always ensure 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 P5oCW 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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