Procella Audio User Guide P8iCW

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 P8iCW loudspeaker with black and white grill
- This User Guide

INSTALLATION

- The P8iCW has a symmetrical dispersion with a 15deg tilt (direction of waveguide) The enclosure can be mounted either Horizontally or Vertically, whichever gives the best coverage of the listening area.
- When the P8iCW loudspeaker is used behind an acoustically transparent projection screen, it should be positioned so that the acoustical center of the speaker (the center of the enclosure) is at about 5/8 of the screen height from the bottom edge of the image. Vertical orientation (waveguide above the woofer) is preferred for the Procella P8iCW.
- For installation behind a screen, hidden behind acoustically transparent fabric, or in any case where the front of the P8iCW is not visible, the cloth frame should be left off.
- When used in combination with a flat screen display or a non-perforated projection screen, the P8iCW, L/C/R speakers should preferably be mounted above the panel or screen.
- The P8iCW is designed for a wall thickness between 5/8" and 1-1/2" (15 and 40mm).
- To install the P8iCW loudspeakers, cut a hole in the wall: 19 1/4" x 19 1/4" (490 x 490 mm) (-0 +2mm) with a corner radius of 1/3" (8mm) or less. Make sure that there is a minimum of 7" (180mm) free space behind the front of the wall.
    - Bring the speaker wires through the wall cutout and secure them.
    - Adjust the wings to the lowest (closest to the enclosure bottom) unfolded position before pushing the speaker through the hole.
    - Tighten the four corner screws firmly, preferably using a powered screwdriver.
    - Attach the speaker cable to the binding posts, observing the polarity, and attach the grill.
- To unmount the speaker, rotate the four corner screws FULLY counter-clockwise.

TIPS and ADVICE

- Ceiling mount precautions: The enclosure should be secured with a steel wire run between eyehooks screwed into the P8iCW back and a structural frame element. In addition, we recommend adding a pair of small screws to secure the grille to the enclosure.
- 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 P8iCW should be used with a high-quality power amplifier or A/V receiver of at least 150 Watts per channel into 8ohms.
- Bass management should be set for an 80Hz 2nd order (12dB/octave) crossover. If available, use the 'THX' TM setting in the processor, or the Small setting.

The P8iCW, like most professional loudspeakers needs a break-in period of at least 24h to perform to its full capacity

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