



# P8iW User Guide

Thank you for purchasing a Procella Audio loudspeaker system!

*We recommend that Procella loudspeakers be installed and tuned by a trained Procella technician. Please consult with your dealer or Procella Audio for assistance with determining the proper speaker positions in your room.*

**Package contents:** - Procella P8iW loudspeaker - Black grille - White grille - This User Guide

- 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 1.5mm<sup>2</sup> /AWG16 cable. Runs from 10-25m (30-80 feet) require 2.5mm<sup>2</sup> /AWG14 and runs above 25m (80feet) require 4mm<sup>2</sup> /AWG12.
- The P8iW 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 P8iW 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 P8iW.
- For installation behind a screen or hidden behind acoustically transparent fabric, the grill should be removed.
- When used in combination with a flat screen display or a non-perforated projection screen, the P8iW L/C/R speakers should preferably be wall-mounted above the panel or screen.
- The P8iW is designed for a wall thickness between 5/8" and 1-1/2" (15 and 40mm).
- To install speakers, 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.
- For ease of service, the drivers and crossover are mounted on the separate removable baffle. If desired, this baffle can be removed after installation of the enclosure for safe storage until room construction is complete.
- Ceiling mount precautions: The enclosure should be secured with a steel wire run between eyehooks screwed into the P8iW back and a structural frame element. In addition, we recommend adding a pair of small screws to secure the grille to the enclosure.
- We recommend that the Procella P8iW 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. The recommended crossover frequency is 80Hz. The crossover should have a 2nd order HP (12dB/octave) characteristic. If available, use the 'THX'™ setting in the processor.

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