

CustomSound Speakers

In-Wall and In-Ceiling Speakers with Legendary PSB Sonics



Real Sound for Real Homes

PSB speakers are cherished for their True-to-Nature sound; a sound that is neither momentarily impressive, nor dulled to blend into the ambience. For 50 years, PSB's engineering team has used acoustic research and experience to cement speaker designs that sound exactly right, leaving only musical expression in their wake. With these updated in-wall and in-ceiling designs, PSB uses high quality drivers optimized to the internal volume of each enclosure for the unique requirements of custom installation. The result is a nearly invisible presence, both visually and sonically, that redefines how music can sound in the home.

Performance without Compromise

The problem with many In-Wall speakers is that their performance is compromised by the very wall into which they are placed. Lack of support for a truly rigid speaker baffle, which is essential for resonance-free sound, and an unpredictable acoustic chamber behind the speaker, are factors that make it impossible to get a predictable high-quality result. PSB's CustomSound speakers solve both of these problems by including a superbly engineered enclosure that ensures the acoustic integrity of the design in any installation.

Ease of Installation

PSB recognizes the importance of simple, straightforward installation to the success and profitability of every project. Using the tried and true 'dog ear' mounting system makes for a familiar and trouble-free installation.

Stand Out by Blending In

Like all PSB Speakers, the CustomSound models are individually tested, adhere to strict scientific acoustic principles, and are extensively measured, tested and voiced by an engineering team led by PSB Founder and Chief Acoustic Designer, Paul Barton. All models include a white painted 'frameless' grille with a fabric scrim (to visually hide the drive units) that magnetically attaches to the back box assembly. Heavy duty steel and ABS doglegs make installation fast, easy and secure. The speaker cabinet features cable tracks for clean and efficient wire management. Pre-construction templates are also included. All models are packaged and sold individually to allow for maximum flexibility in speaker configuration. Nearly identical in voicing, the CustomSound models can be mixed and matched in a single system.





C-LCR Angled In-Ceiling

The C-LCR is capable of projecting a soundstage which seems to come from the video screen without giving away its location in the ceiling. It offers well-controlled directionality without introducing any harsh refraction issues commonly found in many angled in-ceiling speakers.

W-LCR In-Wall

The W-LCR was developed to cover several system design solutions. Designed with a highly refined driver complement, it is the in-wall centre/surround match for the Synchrony Series. Its incredible tonal characteristics and expansive dispersion make it the ideal choice for any and all channels.

| | C-LCR Angled In-Ceiling | W-LCR In-Wall |
|------------------------------------|---|---|
| Frequency Response | (Anechoic Chamber) | |
| On Axis @ 0°±3dB | 65-23,000Hz | 70-23,000Hz |
| On Axis @ 0°±1 1/2dB | 70-20,000Hz | 75-20,000Hz |
| LF Cutoff -10dB | 50Hz | 62Hz |
| Sensitivity | (1W (2.83V) @ 1M, IEC-Filtered pink noise, C-weighted) | |
| Anechoic Chamber | 88dB | 89dB |
| Listening Room | 90dB | 91dB |
| Impedance | | |
| Nominal | 6 Ohms | 6 Ohms |
| Minimum | 4 Ohms | 4 Ohms |
| Input Power/Amplifier Power | (RMS, Clipping <10% Time) | |
| Recommended | 20 - 150 Watts | 20 - 150 Watts |
| Program | 150 Watts | 150 Watts |
| Dynamic Peak | | |
| Acoustic Design | | |
| Tweeter (Nominal) | 1" (25mm) Titanium Dome with Ferrofluid | 1" (25mm) Titanium Dome with Ferrofluid |
| Woofer (Nominal) | 2 x 5 1/4" (133mm) Polypropylene Cone Rubber Surround | 2 x 5 1/4" (133mm) Polypropylene Cone Rubber Surround |
| Crossover | 1750Hz, LR4 | 1700Hz, LR4 |
| Internal Volume | 0.36 cu ft (10.24L) | 0.12 cu ft (3.48L) |
| Design Type | Sealed | Sealed |
| Dimensions (W x H x D) | (Gross Dimensions) | |
| Cutout Dimensions | 13 3/16 x 13 3/16" *(335 x 335mm) | 9 3/16 x 14 3/8" *(233 x 365mm) |
| Mounting Depth | 7 3/4" (196mm) * | 3 3/4" (95mm) |
| Grille Dimensions | 14 3/4 x 14 3/4 x 3/8" *(373 x 373 x 7mm) | 10 3/4 x 16 x 3/8" *(273 x 406 x 7mm) |
| Weight | | |
| Net | 17.6lb (8.8kg)/each | 11.7lb (5.3kg)/each |
| Shipping | 24lb (10.9kg)/each | 15lb (6.8kg)/each |
| Finish | White | White |

* Non-metric measurements are approximate

TRUE TO NATURE SOUND

WWW.PSBSPEAKERS.COM

All specifications are subject to change without notice. PSB Speakers will not assume any liability for errors in this brochure which may result in errors being made by retailers, custom installers, cabinet makers or other end users based on information contained in this document. PSB, PSB Speakers, and Alpha are trademarks of, or used under license by, PSB Speakers, a division of Lenbrook Industries Limited. All rights reserved. No part of this publication may be reproduced, stored or transmitted in any form whatsoever without the written permission of PSB Speakers. 22-016 © 2022 PSB Speakers