

# Alpha P5 Monitor



 N 43°48'59.5"  
W 79°02'20.5"



## Bookshelf Speakers

Built to fit virtually any space, PSB bookshelf speakers are engineered in Canada with more than 40 years of advanced acoustic research and design. From the original Beta and legendary Alpha to PSB's beautifully designed Imagine Series, every bookshelf speaker is meticulously tuned and tested at Canada's national research facilities to deliver the most accurate acoustics under the most demanding of listening conditions.

## Behind the Alpha Series

First designed and manufactured in a small Canadian town in 1991, the Alpha Series started with the simple idea of creating affordable speakers that were focused purely on performance. With passion and dedication in pursuit of a natural sounding speaker, and by leveraging decades of research conducted at the Canadian National Research Council by PSB's founder, Paul Barton, the Alphas quickly rose to be one of the world's most iconic speakers and are still the reference benchmark for entry-level hi-fi speakers today.

The newly designed Alphas look to continue their legacy by staying true to the original concept from the '70s and combining it with today's latest cutting-edge technologies. Powerful and smooth, the all-new Alpha Series has been rebuilt with enhanced custom drivers and a new crossover design that works perfectly together to deliver natural, detailed sound with precision and less distortion. In a home theatre or stereo setup, the new Alphas outperform the originals in every measurement and will bring your music and movies to life.

- ¾" Black anodized aluminium dome tweeter with front waveguide
- 5.25" Textured polypropylene woofer with rubber surround
- Bass reflex cabinet design with a rear-firing port
- Acoustically-transparent detachable magnetic grilles
- Five-way gold-plated binding post speaker terminals
- High-quality woodgrain vinyl finish
- Available in Black Ash or Walnut

## Alpha P5 Monitor

Breakthrough design for incredible studio-quality sound. A timeless two-way bookshelf speaker with a 5.25" woofer, the P5 allows you to transform your system with pristine sound. Featuring a refined bass reflex cabinet and a port tube first developed for the original Alpha speaker, the Alpha P5 creates a pure and natural soundstage by utilizing the latest and most advanced driver technologies and magnet structures. The P5 was perfectly tuned inside the anechoic chamber of Canada's acoustic research facilities to produce a perfectly flat frequency response that lets you enjoy the subtleties of your music and movies with lifelike detail.

### Anodized aluminium tweeter with waveguide

The P5 uses a 0.75" black anodized aluminium dome tweeter to extend the high-frequency response further than any Alpha ever before while lowering distortion to deliver layered sound with detail and clarity. Unlike lesser designs at this price, all of the new Alpha Series tweeters employ ferrofluid cooling to prevent dynamic compression and a neodymium magnet for high sensitivity. The tweeter's front waveguide and its unique placement below the woofer work together to smooth the response at the crossover and perfect on and off-axis performance.

### Perfectly matched bass

When paired with the Alpha Series' newly designed tweeter, the P5's custom 5.25" woofer provides remarkable low-frequency response and the highest speaker efficiency in its class. The woofer is constructed from a special textured polypropylene compound that minimizes cone breakup and lowers distortion at full excursion. It's also supported with dual layer voice coils and a bass reflex design that uses the rear-firing port tube to control the bass response down to room-shaking levels.

### Smooth sound reproduction

The Alpha Series' new crossover exceeds speaker standards with a special custom design that does more than direct low and high frequencies to the individual drivers--it delivers the tightest control and the flattest frequency response. An unusually complex Linkwitz-Riley acoustic filter has also been incorporated into the crossover design to lower distortion and create a seamless soundscape in any type of two-channel setup or surround sound system.

### Beautiful finishing touches

A unique combination of wall thickness and bracing controls resonances and provides a perfect platform for the P5's driver components, while its internal damping material is from PSB's flagship lines and has been precisely positioned for optimal effectiveness. Finished with a high-quality woodgrain vinyl and magnetically attached grilles that are acoustically transparent, the P5 is perfectly designed to seamlessly disappear into any décor and provide rich, detailed sound.

## SPECIFICATIONS

| FREQUENCY RESPONSE     |                                                 | (Anechoic Chamber)                                                   |
|------------------------|-------------------------------------------------|----------------------------------------------------------------------|
| On Axis @ 0° ± 3dB     | 55-21,000Hz                                     |                                                                      |
| On Axis @ 0°±1 1/2dB   | 65-20,000Hz                                     |                                                                      |
| Off Axis @ 30°±3dB     | 65-10,000Hz                                     |                                                                      |
| LF Cutoff -10dB        | 37Hz                                            |                                                                      |
| SENSITIVITY            |                                                 | (1 W (2.83 V) @ 1M, IEC-Filtered pink noise, C-weighted)             |
| Anechoic Chamber       | 87dB                                            |                                                                      |
| Typical Listening Room | 89dB                                            |                                                                      |
| IMPEDANCE              |                                                 |                                                                      |
| Nominal                | 8 Ohms                                          |                                                                      |
| Minimum                | 4 Ohms                                          |                                                                      |
| INPUT POWER            |                                                 | (RMS, Clipping < 10% Time)                                           |
| Recommended            | 10-90 Watts                                     |                                                                      |
| Program                | 60 Watts                                        |                                                                      |
| ACOUSTIC DESIGN        |                                                 |                                                                      |
| Tweeter (Nominal)      | 3/4" (19mm)                                     | Black Anodized Aluminium Dome with Ferrofluid and Neodymium Magnet   |
| Woofer (Nominal)       | 5 1/4" (133mm)                                  | Textured Polypropylene Cone with Rubber Surround                     |
| Crossover              | 2.500Hz, L4                                     |                                                                      |
| Design Type            | Tuned Port Bass Reflex                          | 2" (49mm) Rear Port                                                  |
| CONSTRUCTION           |                                                 |                                                                      |
| Cabinet Sleeve         | 1/2" (12mm) MDF                                 |                                                                      |
| Baffle Front           | 1" (25.4mm) MDF                                 |                                                                      |
| Baffle Rear            | 1/2" (12mm) MDF                                 |                                                                      |
| Grille Face            | Black Steel Micro Perf with Magnetic Attachment |                                                                      |
| Frame                  | 1/4" - 20 Threaded Insert                       |                                                                      |
| Threaded Insert        |                                                 |                                                                      |
| SIZE (W x H x D)       |                                                 | (Gross Dimensions)                                                   |
| Net                    | 6 3/4" x 11 3/8" x 9 1/2" *                     | (170 x 290 x 240mm)                                                  |
| WEIGHT                 |                                                 |                                                                      |
| Net                    | 10.15lb (4.6kg)/each                            |                                                                      |
| Shipping               | 22.8lb (10.4kg)/pr                              |                                                                      |
| FINISH                 |                                                 | Black Ash or Walnut in Vinyl Clad                                    |
| FEATURES               |                                                 | 5-way Gold-plated Binding Posts<br>Clear Bumpers<br>Rear Facing Port |

\*Non-metric measurements are approximate.

#TruetoNature  
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. 18-094 © 2019 PSB Speakers