


# Alpha C10 Centre Channel Speaker



 N 43° 48' 59.342"  
W 79° 2' 16.901"



## Centre Channel Speakers

No speaker is more important in a surround sound system than your centre channel, and that's why PSB designs their centre channel speakers to deliver all your dialogue with crystal-clear clarity and detail. Configuring and testing the world's most advanced home theatre systems inside our lab for the last 40 plus years has led us to our most realistic sounding centre channel speakers ever.

## 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
- Two 5.25" Textured polypropylene woofers with rubber surround
- Bass reflex cabinet design with a rear-firing port
- Acoustically-transparent detachable magnetic grilles
- Dual five-way gold-plated binding post speaker terminals
- High-quality woodgrain vinyl finish
- Available in Black Ash or Walnut

## Alpha C10 Centre Channel Speaker

Make your home theatre come alive.

Leveraging the Alpha's classic award-winning design, yet re-imagined for the modern home theatre, the C10 is a must for a more immersive experience whether you're streaming a movie, watching the big game, enjoying your favorite show, or listening to music. With a black anodized aluminium dome tweeter, two 5.25" custom woofers, and a rear-firing port engineered with bass flex, the C10 delivers crystal-clear dialogue and cinematic sound that will bring and movies to life. The high-quality MDF cabinet is finished in a beautiful woodgrain vinyl and can easily be set up horizontally under a TV for seamless integration with your home sound system no matter how you listen.

### Hear everything in full detail

The C10 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 a layered soundstage full of detail and clarity. Unlike lesser designs at this price, all 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.

### Bring the cinema home

When paired with the Alpha Series' newly designed tweeter, the C10'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.

### Matched to perfection

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.

### Seamless home theatre integration

A unique combination of wall thickness and bracing controls resonances and provides a perfect platform for the C10's driver components, while its internal damping material is from PSB's flagship lines and has been positioned precisely for optimal effectiveness. Finished with a high-quality wood grain vinyl and magnetically attached grilles that are acoustically transparent, the C10 is perfectly designed to sit alongside your furniture and provide rich, detailed sound.

## SPECIFICATIONS

|                           |   |
|---------------------------|---|
| <b>FREQUENCY RESPONSE</b> | (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  |
| <b>SENSITIVITY</b>        | (1 W (2.83 V) @ 1M, IEC-Filtered pink noise, C-weighted)                          |
| Anechoic Chamber          | 88dB  |
| Typical Listening Room    | 90dB  |
| <b>IMPEDANCE</b>          |   |
| Nominal                   | 8 Ohms  |
| Minimum                   | 6 Ohms  |
| <b>INPUT POWER</b>        | (RMS, Clipping < 10% Time)  |
| Recommended Program       | 15-120 Watts<br>60 Watts  |
| <b>ACOUSTIC DESIGN</b>    |   |
| Tweeter (Nominal)         | 3/4" (19mm)<br>Black Anodized Aluminium Dome with Ferrofluid and Neodymium Magnet |
| Woofer (Nominal)          | 2 x 5 1/4" (133mm)<br>Textured Polypropylene Cone with Rubber Surround            |
| Crossover                 | 2,500Hz, LR4  |
| Design Type               | Tuned Port Bass Reflex<br>2" (49mm) Rear Port                                     |
| <b>CONSTRUCTION</b>       |   |
| Cabinet Sleeve            | 5/8" (15mm) MDF   |
| Baffle Front              | 1" (25.4mm) MDF   |
| Baffle Rear               | 5/8" (15mm) MDF   |
| Grille Face               | Black Steel Micro Perf with Magnetic Attachment                                   |
| Frame                     |   |
| <b>SIZE (W x H x D)</b>   | (Gross Dimensions)  |
| Net                       | 17 3/4" x 6 3/4" x 9 3/8" *<br>(450 x 170 x 243mm)                                |
| <b>WEIGHT</b>             |   |
| Net                       | 17lb (7.7kg)  |
| Shipping                  | 19.9lb (9.0kg)  |
| <b>FINISH</b>             | Black Ash or Walnut in Vinyl Clad   |
| <b>FEATURES</b>           | 5-way Gold-plated Binding Posts<br>Clear Bumpers<br>Rear Facing Port              |

\*Non-metric measurements are approximate.

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