

# Alpha P3 Compact Monitor



 N 43° 47' 42.68"  
W 79° 7' 1.657"



## 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 legendary Alpha B1 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.

Compact and versatile without sacrificing performance.

- ¾" Black anodized aluminium dome tweeter with front waveguide
- 4" 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 P3 Compact Monitor

The Alpha P3 is a small two-way bookshelf speaker that connects to any stereo or home theatre system to fill the room with powerful, crystal-clear sound. Featuring a custom 4.5" woofer and aluminium dome tweeter that uses a waveguide to perfectly match the low and high frequencies for a smooth transition, the P3 delivers improved directivity and flattens the frequency response for a more natural sound. It also leverages specially textured woofer cones and a unique port tube design that uses bass flex to add back energy and extend the bass frequencies even lower and without any distortion.

### Hear beautiful texture and detail

All new Alpha Series models employ a ¾" black anodized aluminium dome tweeter that extends the high-frequency response beyond the Alpha's original measurements and minimizes distortion for a rich, balanced listening experience. A waveguide on the front of the tweeter works to perfect on and off-axis performance while smoothing the response for improved resolution and detail. The ferrofluid cooled tweeter on the P3 has also been precision engineered to sit below the woofer to provide precise stereo imaging at any height.

### Powerful woofer with dual layer voice coils

At the heart of every good speaker is a great woofer that produces low distortion and high output levels. With the new Alpha Series, the 4.5" woofer employs dual layer voice coils with a very powerful magnet structure and a cone that is made from a special textured polypropylene compound that prevents breakup. With bass reflex loaded through Paul's original port tube design from the '70s, the woofer adds back wave energy to extend the bass response and improve efficiency down to 43Hz.

### Custom-built and perfected

The Alpha Series' new crossover wasn't custom designed to simply just direct low and high frequencies to the woofer and tweeter. It was re-engineered to control the directivity and flatten the frequency response while utilizing an unusually complex Linkwitz-Riley acoustic filter that is designed to get a perfect blend between the drivers and keep distortion at its lowest even at high volumes.

### Unique modular cabinet design

The P3 has a unique combination of wall thickness and bracing to control resonances and provide a perfect platform for the driver components. The P3 cabinet's internal damping material was first used in PSB's most high-end models, and has now been adopted by the Alphas and positioned precisely for optimum effectiveness. A premium woodgrain vinyl finish and chrome front baffle highlights combine with magnetically attached grilles to provide a rich and timeless design.

## SPECIFICATIONS

<b>FREQUENCY RESPONSE</b> (Anechoic Chamber)	
On Axis @ 0° ± 3dB	57-21,000Hz
On Axis @ 0°±1 1/2dB	67-20,000Hz
Off Axis @ 30°±3dB	67-10,000Hz
LF Cutoff -10dB	43Hz
<b>SENSITIVITY</b> (1 W (2.83 V) @ 1M, IEC-Filtered pink noise, C-weighted)	
Anechoic Chamber	85dB
Typical Listening Room	87dB
<b>IMPEDANCE</b>	
Nominal	8 Ohms
Minimum	4 Ohms
<b>INPUT POWER</b> (RMS, Clipping < 10% Time)	
Recommended Program	10-80 Watts
	60 Watts
<b>ACOUSTIC DESIGN</b>	
Tweeter (Nominal)	3/4" (19mm) Black Anodized Aluminium Dome with Ferrofluid and Neodymium Magnet
Woofer (Nominal)	4" (102mm) Textured Polypropylene Cone with Rubber Surround
Crossover	3,000Hz, L4
Design Type	Tuned Port Bass Reflex 1 3/8" (35mm) Rear Port
<b>CONSTRUCTION</b>	
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	
<b>SIZE</b> (W x H x D) (Gross Dimensions)	
Net	5 1/8" x 8 5/8" x 6 7/8" * (130 x 220 x 174mm)
<b>WEIGHT</b>	
Net	4.9lb (2.2kg)/each
Shipping	11.45lb (5.2kg)/pr
<b>FINISH</b>	
	Black Ash or Walnut in Vinyl Clad
<b>FEATURES</b>	
	5-way Gold-plated Binding Posts Clear Bumpers Rear Facing Port

\*Non-metric measurements are approximate.

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# 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

<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	87dB
Typical Listening Room	89dB
<b>IMPEDANCE</b>	
Nominal	8 Ohms
Minimum	4 Ohms
<b>INPUT POWER</b> (RMS, Clipping < 10% Time)	
Recommended Program	10-90 Watts
	60 Watts
<b>ACOUSTIC DESIGN</b>	
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
<b>CONSTRUCTION</b>	
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	
Threaded Insert	1/4" - 20 Threaded Insert
<b>SIZE (W x H x D)</b> (Gross Dimensions)	
Net	6 3/4" x 11 3/8" x 9 1/2" * (170 x 290 x 240mm)
<b>WEIGHT</b>	
Net	10.15lb (4.6kg)/each
Shipping	22.8lb (10.4kg)/pr
<b>FINISH</b>	
	Black Ash or Walnut in Vinyl Clad
<b>FEATURES</b>	
	5-way Gold-plated Binding Posts Clear Bumpers Rear Facing Port

\*Non-metric measurements are approximate.

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# 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 60 Watts
<b>ACOUSTIC DESIGN</b>	
Tweeter (Nominal)	3/4" (19mm) Black Anodized Aluminium Dome with Ferrofluid and Neodymium Magnet
Woofer (Nominal)	2 x 5 1/4" (133mm) Textured Polypropylene Cone with Rubber Surround
Crossover	2,500Hz, LR4
Design Type	Tuned Port Bass Reflex 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" * (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 Clear Bumpers Rear Facing Port

\*Non-metric measurements are approximate.

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# Alpha T20 Tower Speaker



N 43°48'59.5"  
W 79°02'20.5"



## Tower Speakers

Engineered to give your system presence in any room, PSB tower speakers deliver what serious audiophiles have come to expect from one of the world's most reviewed speaker brands; a natural-sounding speaker that brings soundtracks to life with rich details. PSB towers were born from years of defying boundaries and carry the sound pedigree that PSB has been renowned for.

## 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
- Dual five-way gold-plated binding post speaker terminals
- High-quality woodgrain vinyl finish
- Available in Black Ash or Walnut

## Alpha T20 Tower Speaker

Signature speaker for both sound and aesthetics.

The PSB T20 Tower delivers the highest quality acoustics in the new Alpha Series and will easily fill any size room with lush, full-bodied sound. Leveraging the latest research in acoustic design and the most advanced cabinet and driver technologies, the all-new Alpha tower adds an additional custom 5.25" woofer, while utilizing the Alpha Series' patent tweeter and crossover design, to deliver bigger and bolder sound with flawless imaging. With a centre channel to match, the new T20 tower is the perfect start to creating the ultimate surround system.

### Lifelike acoustics and detail

The T20 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 lush soundstage full of details. 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.

### Developed for deep, detailed bass

Featuring PSB's exclusive dual 5.25" woofer connected to a dual-layer voice coil for incredible conductivity, the newest Alpha Series tower provides remarkable low-frequency response and the exceptional efficiency for a speaker at this price. Starting with a specially textured polypropylene cone that lowers distortion and reduces breakup, the woofer is perfectly matched with the tweeter at the crossover for a smooth sounding transition between high and low frequencies. It's also backed with a rear-firing port that uses bass flex to tightly control the bass response and extend it even lower.

### Reference crossover design

The redesigned Alpha Series tower features a new crossover that exceeds speaker standards with a innovative design that delivers the tightest control and the flattest frequency response. Developed for more than directing low and high frequencies to the individual drivers, the crossover used in the T20 employs a very advanced Linkwitz-Riley acoustic filter in the cross to lower distortion and create a large, detailed soundstage for the best listening experience.

### Crafted with precision

Using a special MDF material and a unique combination of wall thickness and bracing, the Alpha T20 Tower flawlessly controls resonances while leveraging a light internal material that has been accurately positioned to reduce standing waves. The sturdy, well-constructed cabinet is finished with a high-quality woodgrain vinyl and features acoustically-transparent magnetic grilles that make the speakers disappear into your décor without sonic interference.

## SPECIFICATIONS

<b>FREQUENCY RESPONSE</b>	(Anechoic Chamber)
On Axis @ 0° ± 3dB	36-21,000Hz
On Axis @ 0°±1 1/2dB	54-20,000Hz
Off Axis @ 30°±3dB	54-10,000Hz
LF Cutoff -10dB	28Hz
<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 60 Watts
<b>ACOUSTIC DESIGN</b>	
Tweeter (Nominal)	3/4" (19mm) Black Anodized Aluminum Dome with Ferrofluid and Neodymium Magnet
Woofer (Nominal)	2 x 5 1/4" (133mm) Textured Polypropylene Cone with Rubber Surround
Crossover	2,500Hz, L4
Design Type	Tuned Port Bass Reflex 2 1/2" (63.5mm) 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	6 3/4" x 32 1/2" x 9 3/8" * (170 x 825 x 243mm)
<b>WEIGHT</b>	
Net	26.15lb (11.9kg)/each
Shipping	62.7lb (28.5kg)/pr
<b>FINISH</b>	Black Ash or Walnut in Vinyl Clad
<b>FEATURES</b>	Dual, 5-way Gold-plated Binding Posts Bi-wireable/Bi-ampable, Gold-plated Jumpers Adjustable Spikes and Rubber Levelers Rear Facing Port Black Round Feet

\*Non-metric measurements are approximate.

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# Alpha S8 Powered Subwoofer



## Why You Need a Subwoofer

The subwoofer is a fairly recent entrant to the typical home entertainment system, and we see the concept popping up in even low-price desktop systems. The idea of having a separate bass speaker was first encountered in cinemas and public address systems where a lot of audio power was needed to fill the theater or stadium. Since the sound wavelengths are so long at these low frequencies (3 to 9 meters) using a single mono subwoofer will not disturb the stereo image. However, the question remains: do you need a subwoofer and what are the needs and benefits?

Subs are typically specified for systems where large full range speakers are not practical, or for large open rooms, or where very high SPLs are desired. Placing small speakers where they create the most lifelike stereo image is often at odds with the location that gives the most even and powerful bass response. The 'sub/sat' system is the answer for this dilemma, by allowing the sub to be placed for best bass response, and the satellite speakers to be placed for best imaging. Another great use for subwoofers is when speakers need to be hidden and must be both small and unobtrusive. To have the correct sound balance a subwoofer is called for. And probably the most common use is in the home cinema, where realistic special effects demand the power of a subwoofer. Dolby found subwoofers to be an essential element of home theater sound and even created a special 'Low Frequency Effects' channel specifically for a subwoofer.

The other hidden benefit of the subwoofer is that it removes the burden of bass output from the satellite speaker. This allows the speaker to play louder and with far less distortion. Since most subwoofers today are powered, they also add considerable power to the overall system performance.

- Bass reflex design with rear port
- 150 Watt Continuous Power
- Compact cabinet volumes with high output
- Woofer features polypropylene cones and rubber surrounds
- Design and final voicing engineered by Paul Barton
- Rear Mounted Volume
- Crossover Controls
- Phase Switch
- Low Level Input
- AutoOn/Standby Switch
- Gold-plated RCAs
- USB Power Jack for RT100 wireless accessory
- Rubber bumpers and spikes

## Why PSB Should be Your First Choice

If you just want a big booming sound almost any subwoofer will do. However, if you want to create a realistic sound field in your listening room the experience and expertise of PSB should make it your first choice. The key to getting accurate bass is both in tuning the subwoofer acoustically, and in properly integrating it with the other speakers in the system. When listening to music we feel the subwoofer, but we hear the bass instruments by listening to the overtones and harmonics of the instrument produced by the satellite speaker. If the soundwaves are not properly aligned between the sub and the satellite it will not sound natural. The sub will detach, and you'll hear the music and the sub as two different sounds. The musical quality of a subwoofer is the most important characteristic in our opinion. After all, even movies have a musical soundtrack.

## The Alpha S8

PSB makes several different subwoofer models, from small desktop subs like the SSE100 to the incredibly powerful and refined SSE450. The S8 is in the sweet spot between where high value coexists with legendary PSB performance. Employing a specially developed long throw 8" polypropylene woofer and powerful magnet assembly, it is matched to a highly efficient 150W Power Amplifier, and placed in a well-engineered enclosure that is carefully tuned for deep, crisp bass response all the way down to an earth shaking 32Hz. The S8 is a vented, or ported, design that takes advantage of the woofers back wave to extend bass response and power output. Unusual at this low price point is the inclusion of powerful Digital Signal Processing that allows for a level of optimization that is not otherwise possible. The high output levels and low distortion are a direct result of PSB's expertise in this area of signal processing. The included electronic crossover is another important element in integrating the S8 to your room and satellite speakers, and we include a full featured crossover with variable crossover frequency (50 – 150Hz) and a simple 180 degree phase reversal switch. There is also a USB power port that supports PSB's RT100 wireless adaptor. This optional accessory replaces the long, and often expensive wire normally required between your Receiver/ Amplifier and the subwoofer. Setup of the RT100 is automatic; just plug in AC cord of the sub, plug in the RT100 to the USB power jack, switch on your receiver and the wireless link will connect.

## Amazing Value for Money

The sophisticated performance of PSB's new Alpha range sets a new benchmark for affordable loudspeakers, and the S8 Subwoofer is no exception. This modest investment will not only improve your existing speakers, it will recreate all the depth and drama you have been missing from your music and movies.

## SPECIFICATIONS

### FREQUENCY RANGE RESPONSE (Anechoic Chamber)

On Axis @ 0° ± 3dB LF Cutoff -10dB	35-150Hz 32Hz
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### IMPEDANCE NOMINAL INPUT

Minimum	22k Ohms
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### INPUT POWER

Recommended Program	15-120 Watts 60 Watts
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### AMPLIFIER POWER

150W Continuous 210W Dynamic
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### ACOUSTIC DESIGN

Woofer (Nominal)	8" (203mm) Textured Polypropylene Cone, Rubber Surround Variable 50-150Hz with LFE setting, B2
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Crossover	Low Pass Filter
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Internal Volume Design Type	0.86 cu ft (24.4 liter) Bass Reflex
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### SIZE (W x H x D) (Gross Dimensions)

Net	11 1/2" x 12 1/2" x 15 1/4" * (292 x 318 x 387mm)
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### WEIGHT

Net	23 lbs (10 2/5 kg)
Shipping	21 lbs (9 1/2 kg)

### FINISH

Black	Woodgrained
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### FEATURES

- Rear Mounted Volume
- Crossover Controls
- Phase Switch
- LFE Settings
- Low Level Input
- AutoOn/Standby Switch
- Gold-plated RCAs
- USB Power Jack for RT100 wireless accessory
- Rubber bumpers and spikes

\*Non-metric measurements are approximate.

#TruetoNature  
PSBspeakers.com

# Alpha S10 Powered Subwoofer



## Why You Need a Subwoofer

The subwoofer is a fairly recent entrant to the typical home entertainment system and we see the concept popping up in even low price desktop systems. The idea of having a separate bass speaker was first encountered in cinemas and public address systems where a lot of audio power was needed to fill the theater or stadium. Since the sound wavelengths are so long at these low frequencies (3 to 9 meters) using a single mono subwoofer will not disturb the stereo image. But do you need a subwoofer? What are the needs and the benefits?

Subs are typically specified for systems where large full range speakers are not practical, or for large open rooms, or where very high SPLs are desired. Placing small speakers where they create the most lifelike stereo image is often at odds with the location that gives the most even and powerful bass response. The 'sub/sat' system is the answer for this dilemma, by allowing the sub to be placed for best bass response, and the satellite speakers to be placed for best imaging. Another great use for subwoofers is when speakers need to be hidden and must be both small and unobtrusive. To have the correct sound balance a subwoofer is called for. And probably the most common use is in the home cinema, where realistic special effects demand the power of a subwoofer. Dolby found subwoofers to be an essential element of home theater sound and even created a special 'Low Frequency Effects' channel specifically for a subwoofer.

The other hidden benefit of the subwoofer is that it removes the burden of bass output from the satellite speaker. This allows the speaker to play louder and with far less distortion. Since most subwoofers today are powered, they also add considerable power to the overall system performance.

- Bass reflex design with rear port
- 150 Watt Continuous Power
- Compact cabinet volumes with high output
- Woofers feature polypropylene cones and rubber surrounds
- Design and final voicing engineered by Paul Barton
- Rear Mounted Volume Crossover Controls
- AutoOn/Standby Switch
- Gold-plated RCAs
- USB Power Jack for RT100 wireless accessory
- Rubber bumpers and spikes

## Why PSB Should be Your First Choice

If you just want a big booming sound almost any subwoofer will do. But if you want to create a realistic sound field in your listening room the experience and expertise of PSB should make it your first choice. The key to getting accurate bass is both in tuning the subwoofer acoustically, and in properly integrating it with the other speakers in the system. When listening to music we feel the subwoofer, but we hear the bass instruments by listening to the overtones and harmonics of the instrument produced by the satellite speaker. If the soundwaves are not properly aligned between the sub and the satellite it will not sound natural. The sub will detach, and you'll hear the music and the sub as two different sounds. The musical quality of a subwoofer is the most important characteristic in our opinion. After all, even movies have a musical soundtrack.

## The Alpha S10

PSB makes several different subwoofer models, from small desktop subs like the SSE100 to the incredibly powerful and refined SSE450. The S10 is in the sweet spot between where high value coexists with legendary PSB performance. Employing a specially developed long throw 10" polypropylene woofer and powerful magnet assembly, it is matched to a highly efficient 150W Power Amplifier, and placed in a well-engineered enclosure that is carefully tuned for deep, crisp bass response all the way down to an earth shaking 22Hz. The S10 is a vented, or ported, design that takes advantage of the woofers back wave to extend bass response and power output. Unusual at this low price point is the inclusion of powerful Digital Signal Processing that allows for a level of optimization that is not otherwise possible. The high output levels and low distortion are a direct result of PSBs expertise in this area of signal processing. The included electronic crossover is another important element in integrating the S10 to your room and satellite speakers, and we include a full featured crossover with variable crossover frequency (50 – 150Hz) and a simple 180 degree phase reversal switch. There is also a USB power port that supports PSBs RT100 wireless adaptor. This optional accessory replaces the long, and often expensive wire normally required between your Receiver/Amplifier and the subwoofer. Setup of the RT100 is automatic; just plug in the AC cord of the sub, plug in the RT100 to the USB power jack, switch on your receiver and the wireless link will connect.

## Amazing Value for Money

The sophisticated performance of PSB's new Alpha range sets a new benchmark for affordable loudspeakers, and the S10 Subwoofer is no exception. This modest investment will not only improve your existing speakers, it will recreate all the depth and drama you have been missing from your music and movies.

## SPECIFICATIONS

### FREQUENCY RANGE RESPONSE (Anechoic Chamber)

On Axis @ 0° ± 3dB	28-150Hz
LF Cutoff -10dB	22Hz

### IMPEDANCE NOMINAL INPUT

Minimum	22k Ohms
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### INPUT POWER

Recommended Program	15-120 Watts
	60 Watts

### AMPLIFIER POWER

150W Continuous
210W Dynamic

### ACOUSTIC DESIGN

Woofer (Nominal)	10" (254mm) Polypropylene Cone, Rubber Surround Variable 50-150Hz with LFE setting, B2
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Crossover	Low Pass Filter
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Internal Volume Design Type	1.45 cu ft (41 liter) Bass Reflex
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### SIZE (W x H x D)

(Gross Dimensions)

Net	14" x 14 1/8" x 17 1/2" * (356 x 359 x 445mm)
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### WEIGHT

Net	30 lbs (13 3/5 kg)
Shipping	33 lbs (15 kg)

### FINISH

Black	Woodgrained
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### FEATURES

- Rear Mounted Volume
- Crossover Controls
- Phase Switch
- LFE Settings
- Low Level Input
- AutoOn/Standby Switch
- Gold-plated RCAs
- USB Power Jack for RT100 wireless accessory
- Rubber bumpers and spikes

\*Non-metric measurements are approximate.

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