

I M A G E S E R I E S

psb
SPEAKERS





The PSB Image models boast fit and finish quality and high-performance features that belie their highly affordable nature.

THE IMAGE SERIES

When you make the world's most acclaimed line of low-cost/high-performance loudspeakers (the PSB Alphas), and an even more universally applauded family of "value/high-end" designs (the PSB Stratus Series), you have a problem: What goes in between?

At a conventional company, perhaps, this would be no great dilemma. You'd simply draw a few models with bigger woofers and fancier finishes, and price them accordingly. But PSB Speakers is not a conventional speaker company. Could we design speakers that justify a reasonable jump in cost with significant performance gains—but that still retain the honest, accessible pricing that, for most folks, is quite simply a practical necessity?

The answer turned out to be the PSB Image Series of loudspeakers, a range of models combining everything we've learned over the past 30 years along with some brand-new manufacturing concepts and techniques. In the process, the PSB Image Series has raised the standard yet again for what you should expect from affordable speakers. But that's no surprise. For more than 30 years, company founder Paul Barton and the engineering team at PSB Speakers have been achieving exceptional musical and home theater sound at exceptionally rational cost.

Like every PSB speaker past and present, the *Images* are rigorously designed for the real world, using the unique, government-sponsored technical facilities of the Canadian National Research Council—where over 30 years ago Barton became the very first loudspeaker maker to do so.

Balancing sophisticated lab work with literally thousands of hours of scientifically controlled "double-blind" listening, PSB has amassed a unique body of information on sound reproduction and perception. Today, in fact, this is perhaps the world's preeminent knowledge-base regarding the critical interactions of loudspeakers, listeners, and room acoustics.

IMAGE ISN'T EVERYTHING

At first glance, the Image lineup looks conventional enough—though a good deal more than conventionally handsome with strikingly simple, slim, elegant lines. But look a bit more closely and these eight new PSB models reveal a great deal of innovative, unconventional, even radical thinking.

From left to right, the PSB Image Series B15 and B25 shown on their sturdy, handsome, dedicated optional stands placing the speakers at acoustically optimal height.





The unique Image Series baffle is engineered for tremendous strength, yielding rigid, non-resonant, coloration-free enclosures—crucial for serious home theater reproduction.

Here is a range of unusually narrow-and-deep enclosures that promote superb frequency response with dramatically true-to-life “soundstage.” They also contribute to the Image lineup’s cohesive family sound, so that virtually any combination of Image Series speakers can cooperate to produce tonally seamless, spatially integrated surround sound—a must for any serious home theater. And every Image full range design is magnetically shielded for flexible home theater placement.

Three all-new, proprietary drivers, in several variations, fulfill the needs of the entire series: a 1-inch liquid-cooled aluminum-dome tweeter, used throughout the series, and 5-1/4-inch and 6-1/2-inch injection molded, metalized, polypropylene woofers. All are ground-up PSB designs dedicated to exceptionally linear, dynamic performance and higher consistency.

But the Images’ central innovation is its series of four standardized pairings of drivers that, combined in the eight models, anchors the Image Series. The unifying front baffle is a radical design precisely radiused, textured, and shaped from man-made composites. Though expensive to “tool up,” with only four variations to manufacture this system is highly economical over the long run. More importantly, its acoustically inert, non-reflective structure promotes the Images’ accurate response, lifelike imaging, and impressive depth. And since cost savings in one area can be applied to others the Image Series cabinets can be fabricated of heavy, non-resonant wood composites with extensive cross-bracing.

This yields remarkably rigid, non-resonant, sonically pure enclosures—measurably and demonstrably superior to those of virtually any competing designs.

Similar though they appear, do not make the mistake of assuming that each Image model is simply a larger version of the next, with more or bigger drivers. From the compact B15 all the way to the remarkably capable T65, each is extensively engineered with crossover and driver refinements to optimize the performance of its individual enclosure-driver system.

The floor-standing Image towers include the T45, T55 and T65 models.





“Any loudspeaker is the sum of a hundred, or perhaps a thousand small details—and you’ve got to get every single one of them right.”

Paul Barton

A COMPLETE SOLUTION

The Image models combine easily to produce seamless results across the critical “front stage”. PSB realizes that many systems will demand a center-channel unit designed for placement atop (or underneath) a direct-view or rear-projection television. Consequently, there are two horizontal Image models with impressive mid to low-frequency output—enough to reproduce the deepest male voices effortlessly and naturally: The unobtrusive Image C40, standing just 6-1/2-inches, and the slightly larger Image C60, ideal for bigger rooms or systems. In sharp contrast to nearly all other center-channel speakers, both are specifically engineered for

accurate balance under real-world conditions: atop (or below) a television, where the large, acoustically reflective screen otherwise significantly degrades male-vocal accuracy. The Image family’s model S50 surround speaker (rear channel) is just as carefully designed for its role, with substantial dynamics and uncommonly wide ambient dispersion.

Whether added later or incorporated from the outset, the SubSonic 6i, like all PSB Subwoofers, is carefully optimized to support and extend, or supplement for home theater, an Image system’s bass response. Though styled to fit easily into your home it is remarkably capable nonetheless, with a long-throw 12-inch driver and an exceptional, low-frequency-optimized on-board power amplifier—delivering as much as 700 watts of dynamic peak power. Along with proprietary “smart bass” circuitry that

prevents amplifier overload under even the most extreme drive conditions, the SubSonic 6i guarantees high-impact, accurate ultra-deep bass—right down to an earth-moving 25 Hz and below.

One final thought: Talk is cheap—real cheap, in the highly competitive world of hi-fi loudspeakers. So visit a PSB audio specialist to hear what we mean. Five minutes spent listening, even to the modest PSB Image B15s, will say more than a thousand words—including the ones you just read.

With two center-channel models—C40, top; C60, bottom, an extensively engineered surround-channels design, the S50, and the powerful SubSonic 6i active subwoofer, the Image Series was conceived from the start for cutting-edge home theater.





With its high power handling and high sensitivity the Image T65 delivers a completely convincing "being there" performance.

THE IMAGE SERIES - SPECIFICATIONS

	Image B15 Bookshelf/Surround	Image B25 Bookshelf/Surround	Image T45 Tower	Image T65 Tower	Image C40 Center	Image C60 Center	Image S50 Surround	SubSonic 6i Powered Subwoofer
FREQUENCY RANGE Response On Axis @ 0°±3dB On Axis @ 0°±1/2dB Off Axis @ 30°±1/2dB LF Cutoff -100B	(Anechoic Chamber) 50-23,000Hz 70-20,000Hz 70-10,000Hz 50Hz	45-23,000Hz 59-20,000Hz 59-10,000Hz 40Hz	35-23,000Hz 48-20,000Hz 48-10,000Hz 30Hz	32-23,000Hz 45-20,000Hz 45-10,000Hz 30Hz	50-23,000Hz 65-20,000Hz 65-10,000Hz 45Hz	40-23,000Hz 50-20,000Hz 50-10,000Hz 35Hz	65-23,000Hz 65-10,000Hz 48Hz	29-150Hz 27Hz
SENSITIVITY Anechoic Chamber Typical Listening Room	(1W/2.83V) @ 1m, IEC-filtered Pink Noise, C-weighted 89dB 91dB	89dB 91dB	90dB 93dB	90dB 93dB	90dB 92dB	90dB 92dB	91dB 93dB	(Self Powered) N/A N/A
IMPEDANCE Nominal Minimum	6 Ohms 4 Ohms	6 Ohms 4 Ohms	6 Ohms 4 Ohms	6 Ohms 4 Ohms	6 Ohms 4 Ohms	6 Ohms 4 Ohms	6 Ohms 4 Ohms	(Woofer Only) 15 KOhms 1 KOhms
INPUT POWER Recommended Program	(RMS, Clipping <10% Time) 10-80 Watts 60 Watts	10-150 Watts 100 Watts	10-175 Watts 125 Watts	10-200 Watts 150 Watts	10-150 Watts 120 Watts	10-175 Watts 150 Watts	10-200 Watts 150 Watts	(Internal Amplifier) 225 Watts Continuous (Internal Amplifier) 350 Watts Dynamic 700 Watts Peak Class H Discrete MOSFET
ACOUSTIC DESIGN Tweeter (Nominal) Midrange (Nominal)	1" (25mm) Aluminium Dome with Ferrofluid	1" (25mm) Aluminium Dome with Ferrofluid	1" (25mm) Aluminium Dome with Ferrofluid	1" (25mm) Aluminium Dome with Ferrofluid	1" (25mm) Aluminium Dome with Ferrofluid	1" (25mm) Aluminium Dome with Ferrofluid	2 x 1" (25mm) Aluminium Dome with Ferrofluid	
Woofer (Nominal)	5 1/4" (133mm) Injection Molded Metalized Polypropylene Cone Rubber Surround 2,200Hz, B3	2 x 5 1/4" (133mm) Injection Molded Metalized Polypropylene Cone Rubber Surround 2,200Hz, B3; 500Hz, LR4	2 x 6 1/2" (165mm) Injection Molded Metalized Polypropylene Cone Rubber Surround 2,500Hz, B3; 500Hz, LR4	3 x 6 1/2" (165mm) Injection Molded Metalized Polypropylene Cone Rubber Surround 2,500Hz, B3; 500Hz, LR4	2 x 5 1/4" (133mm) Injection Molded Metalized Polypropylene Cone Rubber Surround 2,200Hz, B3	2 x 6 1/2" (165mm) Injection Molded Metalized Polypropylene Cone Rubber Surround 2,500Hz, B3	2 x 5 1/4" (133mm) Injection Molded Metalized Polypropylene Cone Rubber Surround 2,500Hz, B3	12" (305mm) Charcoal Polypropylene Cone Rubber Surround Variable 50-150Hz, LR4 Low Pass Filter
Internal Volume Design Type	0.25 cu ft (6.9 liter) Bass Reflex 2" Front Port Video Shielded	1.20 cu ft (33.6 liter) Bass Reflex 2" Front Port Video Shielded	1.56 cu ft (43.7 liter) Bass Reflex 2 x 2" Front Port Video Shielded	2.35 cu ft (66.8 liter) Bass Reflex 3 x 2" Front Port Video Shielded	0.59 cu ft (16.5 liter) Bass Reflex 2 x 2" Front Port Video Shielded	0.88 cu ft (24.6 liter) Bass Reflex 2 x 2" Front Port Video Shielded	0.33 cu ft (9 liter) Bipole Acoustic Suspension Video Shielded	Bass Reflex 2 x 2.5" Front Port
SIZE (W x H x D)	7 x 13.3/8 x 9.5/8" 165 x 327 x 244mm	8 1/2 x 15.3/4 x 11.15/16" 203 x 387 x 303mm	8 1/2 x 36 x 14.5/8" 165 x 914 x 372mm Feet add 1" (25mm)	8 1/2 x 36 x 14.15/16" 203 x 914 x 379mm Feet add 1" (25mm)	23.3/8 x 7 x 11.5/8" 581 x 165 x 295mm	27.3/8 x 8 1/2 x 11.15/16" 683 x 203 x 303mm	12.3/4 x 13 x 7.3/8" 324 x 330 x 187mm	15 x 19 7/8 x 19 1/4" 381 x 505 x 489mm Feet add 1" (25mm)
WEIGHT Net Shipping	12 lb (5.5kg)/each 27 lb (12.3kg)/pair	15 lb (6.8kg)/each 38 lb (17.3kg)/pair	42 lb (19.1kg)/each 51 lb (23.2kg)/each	49 lb (22.3kg)/each 60 lb (27.3kg)/each	23 lb (10.5kg)/each 27 lb (12.3kg)/each	25 lb (11.4kg)/each 33 lb (15.0kg)/each	18 lb (4.5kg)/pair 40 lb (18.2kg)/pair	41 lb (18.6kg)/each 49 lb (22.3kg)/each
FINISH	Black Ash, Maple or Sienna	Black Ash, Maple or Sienna	Black Ash, Maple or Sienna	Black Ash, Maple or Sienna	Black Ash, Maple or Sienna	Black Ash	Black or White Textured	Black Ash Vinyl Veneer
FEATURES	5-way Gold-plated Binding Posts Clear Bumpers	5-way Gold-plated Binding Posts Clear Bumpers	Dual, 5-way Gold-plated Binding Posts Bi-wireable/BI-ampable Feet/stabilizers with Adjustable Spikes and Rubber Levelers	Dual, 5-way Gold-plated Binding Posts Bi-wireable/BI-ampable Feet/stabilizers with Adjustable Spikes and Rubber Levelers	Dual, 5-way Gold-plated Binding Posts Clear Bumpers	5-way Gold-plated Binding Posts Clear Bumpers	5-way Gold-plated Binding Posts Wall Mounting Clips	Volume, Crossover, Phase, On-Standby/Off LL/LFE In & Outputs, High Level In & Outputs Gold-plated RCA's & 5-way Binding Posts Feet/stabilizers with Adjustable Spikes and Rubber Levelers
SPEAKER STANDS (Optional)	SP-25i 9 1/2 x 25 x 11 3/4" 241 x 635 x 298mm Spikes add 1" (25mm)	SP-25i 9 1/2 x 25 x 11 3/4" 241 x 635 x 298mm Spikes add 1" (25mm)	SP-25i 9 1/2 x 25 x 11 3/4" 241 x 635 x 298mm Spikes add 1" (25mm)	SP-25i 9 1/2 x 25 x 11 3/4" 241 x 635 x 298mm Spikes add 1" (25mm)	SP-25i 9 1/2 x 25 x 11 3/4" 241 x 635 x 298mm Spikes add 1" (25mm)	SP-25i 9 1/2 x 25 x 11 3/4" 241 x 635 x 298mm Spikes add 1" (25mm)	SP-25i 9 1/2 x 25 x 11 3/4" 241 x 635 x 298mm Spikes add 1" (25mm)	SP-25i 9 1/2 x 25 x 11 3/4" 241 x 635 x 298mm Spikes add 1" (25mm)