The Stratus Series

psb SPEAKERS

A Convincing Heritage

Over 30 years ago, violinist/engineer Paul Barton set out to improve upon what he heard from the best loudspeakers of the day. Just 21, Barton formed PSB Speakers and resolved to produce something better. Something more musically transparent. More dynamically honest. More true to nature, neither adding nor taking away from any sound. And more technically rigorous, and more carefully designed, built, and finished.

PSB has grown a thousand-fold since then, Paul Barton's mission remains the same today—and he still designs, tunes, and balances each new design from start to finish. Today's PSB Stratus family is the ultimate expression of this quest, that transmits the mysterious power of music with the highest levels of sonic range and purity that the art and science of sound can deliver.

Convincing Performance

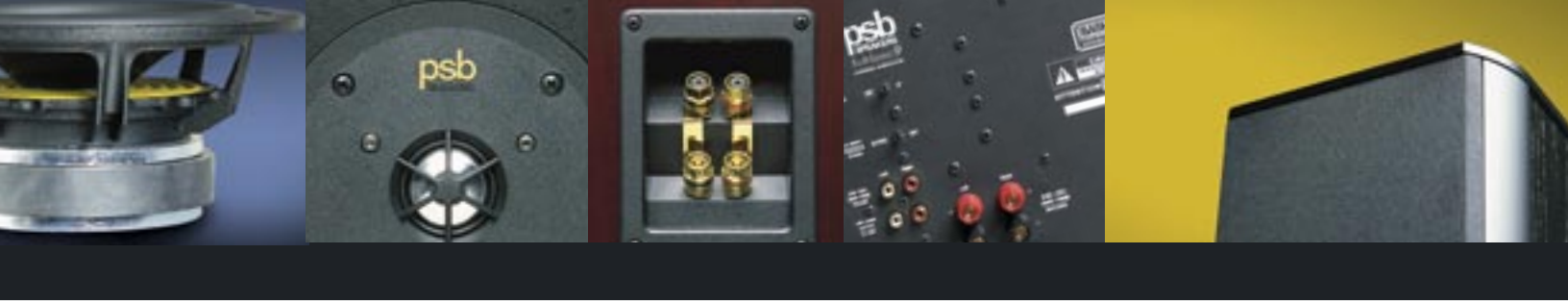
Back in 1974, Paul Barton became the first speaker designer to exploit the unique acoustical research facilities of Ottawa's National Research Council, a remarkable technical campus operated by the Canadian government. Over thousands of hours of scientifically controlled "double-blind" listening studies, and thousands of rigorous measurement experiments (both series continue to this very day), Barton has methodically amassed what is perhaps the world's most extensive knowledge-base regarding the critical interaction of loudspeaker, listener, and room acoustics.

PSB uses its understanding, and the steady stream of new data from its ongoing research, to design speakers that time and again are rated as among the most technically accurate available, and—perhaps more importantly—also deliver unexcelled sonic performance in real world listening environments. This means designing speakers for actual acoustics, and for real-life listening habits. Translation? When you audition a system built around a PSB Stratus loudspeaker you will hear full musical power and impact, with more depth, nuance, and detail than from any other design remotely near its price.

Convincing Design

The Stratus models, Gold^{i}, Silver^{i} and Mini, share more than just a name and family resemblance (available in Black Ash or Dark Cherry Wood Veneer). Each one represents a ground up engineering effort by Barton and his team, and hundreds of hours of listening, to achieve their singular consistency of sound and performance.

The Gold^{i}, Silver^{i} and Mini share a highly evolved aluminum-dome tweeter design



platform – like each and every PSB driver, a completely proprietary design – with a unique combination of performace factors. Exceptional extension yields outstanding accurate treble, tremendous dynamic linearity delivers the clarity of details both loud and soft for which Stratus speakers are famous, and unusually even, broad dispertion promotes superbly true-to-life imagine and "soundstage". The Stratus woofers are engineered for dynamic range, controlled expression, and exceptionally linear high-output reproduction. Together, these superb tranducers enable the Stratus models' smooth, accurate reproduction and remarkable dynamic potential. Combining this with our never ending quality control, we compare each speaker to it's reference standard, a much over-looked but crucial factor – to yield consistently matched speakers. This, in turn, produces the Stratus Series' wonderfully natural, stable, and precise spatial qualities.

Convincing Companions

The same characteristics that make the Stratus Gold[i], Silver[i] and Mini excellent stereo speakers make them superb anchors for a multichannel home-theater system: exceptionally accurate tonality, tremendous dynamic range, superb clarity and detail. But truly excellent multichannel sound demands companion speakers of equal quality, meticulously "timbre-matched" to preserve the consistent tonality and dimensionality so critical to convincing surround-sound reproduction. This is why the Stratus C6i center-channel speakers and the SubSonic 9 and 8 (not shown) are all unusual designs.

The C6i (Available in Blach Ash Wood Veneer) demonstrates the high efficiency and wide dynamic range required by a center channel in a home-theater system. It's complex drivers-cabinet-crossover system is extensively fine-tuned for accurate timbral matching to the Gold[i], Silver[i] and Mini. Less obvious but just as important, Barton was equally careful to ensure complementary dispersion and spatial response for seamless "front-stage" imaging.

The SubSonic 8 (Available in Black Ash Woodgrain) and 9 (Black Ash or Cherry Wood Veneer) subwoofers are even more unusual. Dual high power, long-throw 10-inch drivers are powered by a unique on-board amplifier. The patented "BASH" amplifier technology has an efficient, music-tracking "smart power supply". The Sub 9 yields 400 watts RMS of incredible power—and more than 1000 watts dynamic peak power.

The composer Charles Ives once said that writing an essay about a symphony makes about as much sense as composing a sonata about a football game. We wholeheartedly agree. Visit a PSB specialist, and you'll hear what we mean.

	Stratus Gold[i] Tower (Matched Pairs)	**Stratus Silver**[i] Tower (Matched Pairs)	**Stratus Mini** Monitor (Matched Pairs)	**Stratus C6*i*** Center Channel	**Stratus SubSonic 9** Powered Subwoofer	**Stratus SubSonic 8** Powered Subwoofer
FREQUENCY RANGE	(Anechoic Chamber)					
Response						
On Axis @ 0° ± 3dB	31-21,000Hz	35-21,000Hz	50-21,000Hz	58-21,000Hz	**28-150Hz**	**28-150Hz**
On Axis @ 0° ± 1 1/2dB	**36-20,000Hz**	**40-20,000Hz**	**55-20,000Hz**	**63-20,000Hz**		
Off Axis @ 30° ± 1 1/2dB	36-10,000Hz	40-10,000Hz	55-10,000Hz	63-10,000Hz		
LF Cutoff -10dB	**25Hz**	**26Hz**	**34Hz**	**45Hz**	**25Hz**	**25Hz**
SENSITIVITY	(1W (2.83V) @ 1m, IEC-filtered Pink Noise, C-weighted)					
Anechoic Chamber	88dB	89dB	86dB	91dB	(Self Powered) N/A	(Self Powered) N/A
Typical Listening Room	**90dB**	**91dB**	**88dB**	**93dB**	**N/A**	**N/A**
IMPEDANCE					**(Woofer Only)**	**(Woofer Only)**
Nominal	**4 Ohms**	**4 Ohms**	**4 Ohms**	**8 Ohms**	**15kOhms**	**15kOhms**
Minimum	4 Ohms	4 Ohms	4 Ohms	8 Ohms	1kOhms	1kOhms
INPUT POWER	(RMS, Clipping <10% Time)					
Recommended	**15-300 Watts**	**15-250 Watts**	**15-200 Watts**	**10-250 Watts**	**400 Watts Continuous**	**325 Watts Continuous**
Program	250 Watts	200 Watts	150 Watts	200 Watts	(Internal Amplifier) 500 Watts Dynamic 1000 Watts Peak	(Internal Amplifier) 400 Watts Dynamic 800 Watts Peak
Type					***BASH® Discrete MOSFET**	***BASH® Discrete MOSFET**
ACOUSTIC DESIGN						
Tweeter (Nominal)	**1" (25mm)** Aluminium Dome with Ferrofluid	**1" (25mm)** Aluminum Dome with Ferrofluid	**3/4" (19mm)** Aluminum Dome with Ferrofluid	**2 x 1" (25mm)** Aluminum Dome with Ferrofluid		
Mid-range (Nominal)	**6" (150 mm)** Polypropylene Cone Rubber Surround 1" (25mm) Voice Coil 20 oz (567g) Magnet					
Woofer (Nominal)	**10" (250mm)** Treated Felt Cone Rubber Surround 2" (50mm) Voice Coil 40 oz (1134g) Magnet	**2 x 6 1/2" (165mm)** Polypropylene Cone Rubber Surround 1 1/2" (38mm) Voice Coil 28 oz (794g) Magnet	**6 1/2" (165mm)** Polypropylene Cone Rubber Surround 1 1/4" (32mm) Voice Coil 20 oz (567g) Magnet	**2 x 6 1/2" (165mm)** Polypropylene Cone Rubber Surround 1" Voice Coil 32 oz (908g) Magnets	**2 x 10" (250mm)** Woven Fiberglass Cone Rubber Surround 1.5" Voice-Coil 40 oz (1134g) Magnet	**2 x 10" (250mm)** Polypropylene Cone Rubber Surround 1.5" Voice-Coil 40 oz (1134g) Magnet
Crossover	**2,200Hz** 24 dB/octave Linkwitz-Riley **250Hz** 18 dB/octave Butterworth	**2,100Hz** 24 dB/octave Linkwitz-Riley **500Hz** 18 dB/octave Butterworth	**2,200Hz** 24 dB/octave Linkwitz-Riley	**2,000Hz** 18 dB/octave Butterworth	**Variable 50-150Hz** 24 dB/octave Linkwitz-Riley **Low Pass Filter**	**Variable 50-150Hz** 24 dB/octave Linkwitz-Riley **Low Pass Filter**
Internal Volume	**3.83 cu ft (108.4 liter)**	**2.00 cu ft (56.27 liter)**	**0.67 cu ft (18.9 liter)**	**0.79 cu ft (22.4 liter)**	**2.40 cu ft (68.0 liter)**	**2.40 cu ft (68.0 liter)**
Design Type	**Bass Reflex** 4" Front Port	**Bass Reflex** 2 1/2" Front Port	**Bass Reflex** 2" Front Port	**Bass Reflex** 2 x 2" Front Port Video Shielded	**Bass Reflex** 3" (76mm) Front Port	**Bass Reflex** 3" (76mm) Front Port
SIZE (W x H x D)	**12 1/4 x 43 1/4 x 16 3/4"** 311 x 1099 x 425mm with 1 1/4" (30mm) Base	**9 1/2 x 39 x 13 3/4"** 241 x 990 x 349mm with 1" (25mm) Base	**8 3/4 x 15 1/2 x 13 1/4"** 222 x 394 x 337mm	**23 3/4 x 8 x 11 3/4"** 603 x 203 x 299mm	**14 1/4 x 22 x 20 3/4"** 362 x 559 x 527mm	**13 7/8 x 21 x 20 3/4"** 352 x 533 x 527mm
WEIGHT						
Net	**90 lbs (40.8kg)/each**	**56 lbs (25.2kg)/each**	**23 lbs (10.4kg)/each**	**30 lbs (13.6kg)/each**	**53 lbs (24.1kg)/each**	**50 lbs (22.7kg)/each**
Shipping	109 lbs (49.5kg)/each	70 lbs (31.8kg)/each	50 lbs (22.7kg)/pair	33 lbs (15.0kg)/each	62 lbs (28.2kg)/each	59 lbs (26.8kg)/each

psb SPEAKERS

www.psbspeakers.com 1 888 772 0000