



ROOTED IN LEGACY

SYNCHRONY

T800 LOUDSPEAKER

Synchrony T800 Premium Tower Speakers

The flagship Synchrony T800 Premium Towers represent the most advanced application of True to Nature sound principles in PSB's 50-year history. With the largest and most accurate performance envelope of any PSB loudspeaker to date, the T800 delivers a caliber of micro-detail and realism that has never been heard before.

Inside each Synchrony T800 tower is an all-new 5-way transitional array employing three 8" woofers, a 5.25" midrange driver, all featuring cast baskets and woven carbon-fibre cones, and a 1" titanium dome tweeter in a heavily braced MDF cabinet.

The T800's woofers and midrange driver are built with cast aluminium baskets, woven carbon-fibre cones and filleted rubber surrounds in complement to a 1" titanium dome with Ferrofluid and Neodymium magnet. The improved driver platform results in a dramatic reduction of non-linear distortion, allowing for higher sound pressure levels without compression or increased THD and IM distortion. This can be immediately recognized by a more open midrange and deep bass impact. Small gradations in sound, or micro-dynamics, are vastly improved compared to all

previous drivers. The advanced driver assembly features (Faraday rings, shorted turn, longer voice coil, and symmetrical magnetic drive) all work in harmony to reduce driver distortion.

The Synchrony T800 sets a new benchmark in true to nature performance. Like all PSB speakers, the T800s were fine-tuned at the world-famous National Research Council (NRC) by a team of highly regarded acoustic specialists guided by renowned PSB Founder and Chief Acoustic Designer, Paul Barton. The design of the Synchrony T800s echoes the iconic T600 model while achieving deeper and louder sound with greater efficiency (92dB at 1m) and lower distortion at any level.





The Crossover

This is the most advanced amplitude-perfect Linkwitz-Riley 4th order crossover that PSB Speakers has ever utilized, featuring high-voltage poly film capacitors and oxygen-free interconnect wire for complete driver control.

The Enclosure

Incredibly robust, acoustically inert MDF cabinets with aluminum-clad front baffles for maximum rigidity and density make up the enclosure for the Synchrony T800. Individually-tuned chambers and rear-firing ports are placed in each woofer to break up in-speaker standing waves.

The T800s incorporate custom-designed IsoAcoustics integrated isolation feet, based on the same 3-part technology of their award-winning GAIA II isolators. Along with the outrigger stabilizers, the isolators provide a high degree of speaker isolation and control, while resisting lateral movement and oscillations to maintain accuracy and alignment with the listening position. Internal reflections with the supporting surface are attenuated, resulting in greater sound clarity and openness.

Finishes and Options

Available in two gorgeous finishes - Satin Walnut Veneer and High Gloss Black, the T800 also features magnet-mounted, acoustically-transparent fabric grilles. Using the two provided bass port covers, listeners can fine tune the bass to control common room resonance problems at low frequencies. Two speaker terminal jumper bars to allow for tri- and bi-wiring, as well as tri- and bi-amping. Though the audible differences of these features may be subtle, transitions are less likely to cause clipping and/or speaker damage. They also reduce distortion, especially at low frequencies, while providing better matching between the power amplifier and speaker. The insulated 5-way binding posts offer versatility in speaker terminal connectors.

A Rare Sonic Experience

Since 2007, PSB's flagship Synchrony Series has been critically acclaimed for consistency, outstanding performance and excellent value. Incremental improvements on the Synchrony T800 Towers reflect the relentless engineering efforts of PSB's acoustic design team to push the limits of the brand's True to Nature sound year after year.



SPECIFICATIONS

Frequency Response

On Axis @0 +/- 3db	21-23,000Hz
On axis @0 +/- 1 1/2db	24-20,000Hz
off Axis @ 30 +/- 1 1/2db	30-10,000Hz
LF Cutoff	20Hz

Sensitivity

Anechoic 89dB

Listening Room 91dB

Impedance

Nominal 4 Ohms

Minimal 4 Ohms

Input Power

Recommended 20-300 Watts

Program 300 Watts

Acoustic Design

Tweeter 1" (25mm)
Titanium Dome
with Ferrofluid

Midrange 5 1/4" (133mm)
Cast Basket
Carbon Fibre Cone
Rubber Surround

Woofers 3 x 8" (203mm)
Cast Basket
Carbon Fibre Cone
Rubber Surround

Crossover 450Hz B3, 1800Hz LR4

Design Type Transitional 3-way system
Bass Reflex,
Triple Rear facing ports
3 Individual Woofer chambers

Dimensions **14 7/8 x 47 3/4 x 15 5/8"**
Size (WxHxD) 377 x 1212 x 396mm

Net Weight 100 lbs
45.36 kg

Finish Satin Walnut Veneer
High Gloss Black

Features Triple, 5-way
Gold-plated Binding Posts
Tri-wireable/Tri-ampable,
Magnetic Grille
Outrigger stabilizers with
isoAcoustic GAIA II feet
Port Plug (x2)
Subdivided discrete chambers
3 Individual Woofer Chambers
Triple Rear Facing Ports



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