

8200e Home Theater System

"It is simply one of the best speaker systems ever to pass through my listening room."

—*Home Entertainment Magazine*

Since 1989, Atlantic Technology has specialized in creating high-performance, high-value home theater speaker systems. The System 8200e is Atlantic's flagship system, offering our highest level of refinement and flexibility. By utilizing all of our experience, we have created a no-compromise product, able to deliver its superb sound in a wide variety of real-world settings and acoustic environments.

The Technology of Sound

It is widely known that dealing with room acoustics is the single most challenging element to achieving high quality sound. The combination of reflective surfaces, absorptive surfaces, and room boundaries can drastically alter the sound of even the best-engineered products. The 8200e addresses these acoustic issues with several optimization controls on the LCR speakers.

The controls

Each of the front channel speakers offers three controls to optimize its performance:

- A 3-position high frequency energy switch matches the speaker's response to the listening room's reflective characteristics.
- A location switch compensates for the speaker being located behind a perforated screen.
- A lower-midrange boundary compensation control adjusts for placing the LCR speakers in a cabinet, near a wall, or directly adjacent to TV.



8200e C

8200e SR
shown on
optional
pedestal



8200e LR
shown on
optional
pedestal



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The LCR speakers

The woofer and midrange cones are made of graphite-loaded homopolymer (GLH), a material that combines the attributes of light weight, high stiffness and superb unit-to-unit consistency. This is an ideal cone material, and it contributes greatly to their accurate, extended response.

The brushed aluminum tweeter faceplate has a precisely machined driver opening and horn angle that optimizes the tweeter's efficiency, dispersion and frequency response.

These speakers accurately reproduce the most demanding program material, from the latest theatrical release to large-scale symphonic masterpieces. Whether installed behind a screen, mounted in an entertainment unit, or displayed out in the room, they convey a level of detail and tonal realism equaled only by the live performance itself.

An optional pedestal base for the 8200e LR transforms it into an elegant floor standing speaker and raises the tweeter to the optimal seated ear-level height.

The Center Speaker

At Atlantic, we realize that 60-70% of the cinema experience is handled by this most important of speakers. The 8200e C recreates dialogue and on-screen effects with clarity and impact, just like in the best movie theaters. It features a driver array identical to the 8200e LR speakers, assuring ideal tonal matching across the front stage. In addition, a

rocker base allows for precise aiming at the prime listening position for optimum coverage.

The 8200e C's driver complement of (2) 8-inch woofers, (2) 5¼-inch midranges and a 1-inch silk dome tweeter means that it has the power handling and output capability to outpace any program material, even in the largest rooms. We know of no center channel speaker like it, anywhere.

The Surrounds

In a movie theater, the multiple pairs of surround speakers lining the sidewalls are designed to recreate a three-dimensional atmosphere. The 8200e SR's dipole design accurately reproduces this effect from just one pair of speakers. In addition, they can be configured to any program material by flipping the switch from dipole to bipole operation, creating either an expansive acoustic effect for movies, or a more focused soundfield for multi-channel music.

Recommended Subwoofer

To complete the 8200e system, we recommend our THX-approved 642e SB powered subwoofer. This powerful unit, with its 300-watt amplifier and 12-inch heavy-duty high-excursion woofer, can fill virtually any room with explosive, muscular bass. For the smoothest in-room bass response (as well as achieving even higher bass sound pressure levels) consider using multiple subwoofers, placed asymmetrically in the room.



Optional 642e SB Subwoofer shown in Gloss Black



642e SB's Powerhouse 12" Driver

Specs

	8200e LR	8200e C	8200e SR	642e SB
Type	Sealed-box, 3-way	Sealed-box, 3-way	Sealed-box, Dipole/Bipole	THX-Approved powered sub
Drivers	Woofer (2) 8" GLH Midrange (2) 5.25" GLH Tweeter (1) 1" silk dome	(2) 8" GLH (2) 5.25" GLH (1) 1" silk dome	(2) 5.25" GLH (2) 1" silk dome	THX-Approved powered sub High efficiency tracking amplifier 12" long-throw
Frequency Response	60Hz - 20kHz ±2dB	60Hz - 20kHz ±2dB	80Hz - 20kHz ±2dB	300W RMS
Nominal Impedance	6Ω	6Ω	6Ω	<0.5% THD
Crossover Frequency	450Hz, 3kHz	450Hz, 3kHz	3kHz	25Hz - 300Hz ±3 dB
Crossover Type	Computer designed	Butterworth 4th order	asymmetrical (time-aligned)	20k Ohms
Sensitivity	90dB	90dB	90dB	Peak Output 107dB SPL into 2000 ft3
Recommended Amp Power	25 - 200 Watts RMS	25 - 200 Watts RMS	10 - 150 Watts RMS	Dimensions (WxHxD) 19 x 21 x 18.5in 483 x 534 x 470mm
Finish	Gloss Black	Gloss Black	Satin Black	Weight 65lbs/29.5kg
Dimensions w/ grilles (W x H x D)	10.6 x 31.1 x 11.9in 270 x 790 x 302mm	28.5 x 16 x 13in* 724 x 406 x 330mm*	10.8 x 15.3 x 7.8in 269 x 380 x 193mm	Power Requirements 110-120/220-240V, 50/60Hz
Weight (ea)	53.0lbs; 24.0kg	55.0lbs; 25.0kg w/base	20.0lbs; 9.1kg	