

# 4200e Home Theater System

## C.O.R.E. Technology

The Atlantic Technology System 4200e represents the culmination of our efforts to develop the world's finest moderately-priced home theater speaker system. Compact, elegant, but extremely powerful, the 4200e features Atlantic's exclusive C.O.R.E. (Custom Optimized Room Enhanced) Technology, for perfect acoustic and visual integration in a typical living room or den.

System 4200e shown in Silver



### Features:

- Unique, use-optimized surround and center channels designs
- Maple, high quality painted silver metallic, gloss black and satin black finishes available
- Same tweeter and driver configuration as our top of the line systems
- THX Select Certified
- Front channel acoustic controls
- Tilting center channel
- Switchable dipole/bipole speakers
- Magnetically attached metal grilles

The System 4200e builds on much of the exhaustive research and technology incorporated in our groundbreaking, state-of-the-art systems, the highly acclaimed System 8200 and System 6200. As a result, the 4200e delivers superb sound with all movie and music formats.

## The Sum is Greater than the Parts

Getting a home theater system to sound "just right" is no easy task. A multi-channel speaker system should sound seamless, rather than like a collection of individual boxes. As voices or effects move across the room, the handoff from speaker to speaker should not be perceived as a series of singular events, but instead, as a continuous smooth transition. In developing System 4200e, we have taken extraordinary care in this process.

The key to the 4200e's outstanding performance is that all of the system's individual loudspeakers have been optimized specifically for their intended use. Although customizing the speakers is more costly for us—it requires three very different acoustic designs, expensive tooling, and task-specific cabinets—the sonic payoff is tremendous.

We sincerely believe that within its price range—or even well above—it is one of the finest speaker systems available. Once you see and hear it for yourself, we are confident you will agree.



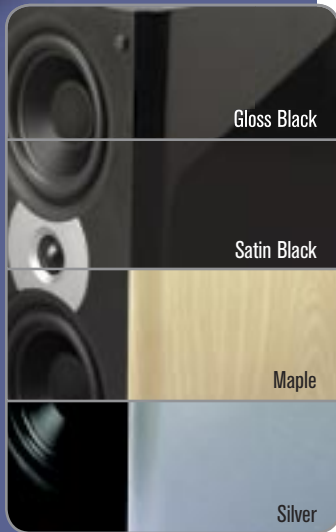
Optional 642e SB Subwoofer  
shown in Gloss Black

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## Specifications

	4200e LR	4200e C	4200e SR
<b>Type</b>	Sealed-box, 2-way D'Appolito array	Sealed-box, 2-way D'Appolito array	Sealed-box, Dipole/ Bipole surround speaker
<b>Drivers</b> Woofer	(2) 5 1/4" GLH	(2) 5 1/4" GLH	(2) 4 1/2" GLH
Tweeter	(1) 1" silk dome	(1) 1" silk dome	(2) 1" silk dome
<b>Frequency Response</b>	80Hz – 20kHz ±3dB	80Hz – 20kHz ±3dB	80Hz – 20kHz ±3dB
<b>Nominal Impedance</b>	8 Ohms	8 Ohms	8 Ohms
<b>Crossover Frequency</b>	2.5kHz	2.5kHz	3kHz
<b>Crossover Type</b>	Computer designed Butterworth 4th-order asymmetrical (time aligned) Linkwitz-Riely		
<b>Sensitivity</b>	90dB	90dB	90dB
<b>Recommended Power</b>	10 – 150 Watts RMS	10 – 150 Watts RMS	10 – 150 Watts RMS
<b>Magnetic Shielding</b>	Yes	Yes	No
<b>Dimensions w/ grilles (W x H x D)</b>	8.3 x 15 x 9.5" 211 x 382 x 242mm	18.4 x 8.4 x 9.7"* 467 x 213 x 246mm	10.9 x 12.4 x 7.5" 277 x 315 x 191mm
<b>Weight (ea)</b>	15lbs; 6.8kg	17lbs; 7.7kg w/base	12lbs; 5.5kg

\*Height includes tilt base



Available Finishes



642e SB's Powerhouse 12" Driver



642e SB's Front Panel Level Control

## The C.O.R.E. Difference

### The Front Channel Speakers

The front channel speakers in System 4200e utilize two 5 1/4" (135mm) custom long-throw drivers flanking a custom 1" (25mm) soft dome tweeter. We utilize identical driver technology (and in some cases, the identical drivers!) as in our own System 8200, the best that

Atlantic has to offer. The result? System 4200e shares the sonic signature of its award-winning big brother.

### The Center Channel

The 4200e C comes with a unique tilting base so the speaker can be aimed at the listener's ears. The audible benefit of this design is precise intelligibility of voices, dialogue, and on-screen effects. The days of "What did he say?" are gone for good.

### The Front Channel Controls

At the movies or a live concert, everyone wants the best seat in the house. It's the same way in your living room— you want the best possible sound, no matter where the speakers are placed and regardless of the room's acoustics.

All three front channels of the 4200e address this problem. Utilizing Atlantic's C.O R.E. Technology, each speaker comes with two controls that help customize the speaker to your individual room.

**High Frequency Switch** - The speakers have a three-position tweeter level switch to compensate for overly reflective or excessively damped room acoustics, so the speakers' sound is never too dull or too "bright"

**Boundary Compensation** - Placing a center channel speaker directly on a large-screen TV, or installing a

left/ right speaker in a bookshelf unit can cause a major buildup of lower midrange energy from what speaker engineers call "boundary effects." The result: voices and instruments can sound unnaturally thick and heavy.

We developed a circuit that counteracts this problem. Activating the boundary compensation switch will return the lower midrange to its natural, uncolored state.

### Switchable Dipole/Bipole Surround Speakers

The goal of the surround speakers is to replicate the sound of the large array of surround speakers found in the best commercial movie theaters, without using 20 or 30 speakers like in the movie theater!

The best way to do this is with a pair of dipole speakers, where speaker's two pairs of drivers operate out of phase with each other. Set for "Dipole," the 4200e SR's create a diffuse soundfield that is virtually impossible to pinpoint by ear. The 4200e SR sounds like a large array of speakers, enveloping the listening room in startlingly realistic three-dimensional sound effects. Whether it's wind rustling in the jungle or the mechanical echoes in a submarine, you are simply "there," in the scene, without the artificial directional effects from an ordinary surround speaker that would spoil the otherwise perfect sonic illusion.

However, for multi-channel music, especially pop or rock, you might prefer to have more precise localization in the surround channels. In that case, the "Bipole" setting (where all four drivers operate in phase) is best. Set that way, the 4200e SR delivers a more precisely localizable sound pattern that can be very dramatic with high-impact popular music.