

Product Information Sheet

62ePRO Multi-Channel Speaker System



THX
Ultra2
Certified
Speakers

THX
ULTRA 2

Since 1989, Atlantic Technology has specialized in creating high-performance, multi-channel speaker systems. The System 62ePRO is a top-of-the-line system by anyone's standards, offering an impressive 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 62ePRO 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.

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Optional SB-1000 powered subwoofer



The LR 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 steel-blue 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 [pic] for the 62ePRO-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 a typical video soundtrack is handled by this most important of speakers. The 62ePRO-C recreates dialogue and on-screen effects with clarity and impact. It features a driver array identical to the 62ePRO-LR speakers, ensuring 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 special design of the 62ePRO-C delivers wide, uniform horizontal dispersion throughout the listening area. By raising the tweeter above the centerline of the woofers, and then bringing the two woofers very close together, the 62ePRO-C achieves very broad sound coverage without the picket-fence "hot-spot/cold spot" effect that plagues conventional center channel speakers.

The Surrounds

In a movie theater, the multiple pairs of surround speakers lining the sidewalls are designed to recreate a three-dimensional atmosphere. Our 42ePRO-SR surround speaker is a perfect match for this system. The 42ePRO-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 62ePRO system, we recommend our powerful SB-1000 powered subwoofer. This impressive unit, with its 100-watt amplifier and 10-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.

Specifications

	62ePRO LR	62ePRO C	42ePRO SR
Type	Sealed-box, 2-way M-T-M Array	Sealed-box, 2-way M-T-M Array	Sealed-box, Dipole/ Bipole surround speaker
Drivers	Woofer (2) 6½" GLH Tweeter (1) 1" silk dome	(2) 6½" GLH (1) 1" silk dome	(2) 4½" GLH (2) 1" silk dome
Frequency Response	60Hz - 20kHz ±2dB	60Hz - 20kHz ±2dB	80Hz - 20kHz ±2dB
Nominal Impedance	6Ω	6Ω	8Ω
Crossover Frequency	2.5kHz	2.5kHz	3kHz
Crossover Type	Computer designed Butterworth	4th order asymmetrical (time-aligned)	Linkwitz-Riley
Sensitivity	90dB	90dB	90dB
Recommended Amp Power	15 - 150 Watts RMS	15 - 150 Watts RMS	10 - 150 Watts RMS
Amplifier Power			
Dimensions w/ grilles (W x H x D)	9.1 x 23.1 x 11.5in 232 x 587 x 292mm	21.5 x 11.1 x 12in* 546 x 281 x 305mm*	10.9 x 12.4 x 7.5in 277 x 315 x 191mm
	LR Pedestals including feet, spikes, and gap between satellite and pedestal top adds to height: 23.9in., 608mm		
Weight (ea)	26lbs; 11.8kg	25.0lbs; 11.3kg w/base	11lbs; 4.99kg

*Height includes tilt base

	SB-1000
Bass Driver	10" long-throw
Output Power	100W RMS
Distortion (amplifier)	<0.5%
Frequency Response	32Hz - 140Hz ±3 dB
Peak Output	105dB SPL into 2000 cubic Feet
Dimensions (HxWxD) including feet and grille	20.5 x 12.8 x 17.1 in 521 x 325 x 435mm
Weight	38lbs/17.2kg
Power Requirements	110-120/220-240V, 50/60Hz, 300W Max



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