

# Ohm SOUND CYLINDER PRO SERIES

**Full-Room Stereo™** — Hear balanced stereo throughout the room.

**Incredible Imaging** — Recreates a realistic 3-D sonic image.

**Flexible Placement** — Balanced imaging with various placements.

**Perfect Time and Phase Alignment** — For razor sharp imaging.

**No Cabinet Sound** — Round shape and lead lining damp vibrations.

**High Power Ratings** — For powerful amplifiers and CD dynamics.

**Attractive Finishes** — Oak and black cabinets match any decor.

**Sub Bass Activator™** — Controls woofer for extra bass and low distortion.





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While it is easy to see the difference between Sound Cylinders and conventional "box" speakers, it is even easier to hear the difference. Sound Cylinders sound different because they reproduce sound more naturally — creating an incredibly realistic sound stage with Full Room Stereo™ imaging.

With Full-Room Stereo™ you will hear a balanced stereo image anywhere in the room, not just in a small, central "sweet spot." This balance is achieved through a technique called Controlled Directivity, where the far speaker is always directing more energy to the listener than the near speaker.

Rather than pumping the sound from two or three drivers in the front of a box, Sound Cylinders use a totally unique driver system — the Coherent Line Source (CLS) driver (illustrated to the right).

The CLS driver has an inverted speaker cone that radiates sound equally in all horizontal directions — like water waves from the splash of a single round stone. It is not, however, an omnidirectional speaker. Tufflex acoustic blocking material is placed around the back of the driver to prevent the rear-wall reflections that would blur and distort the sonic image.

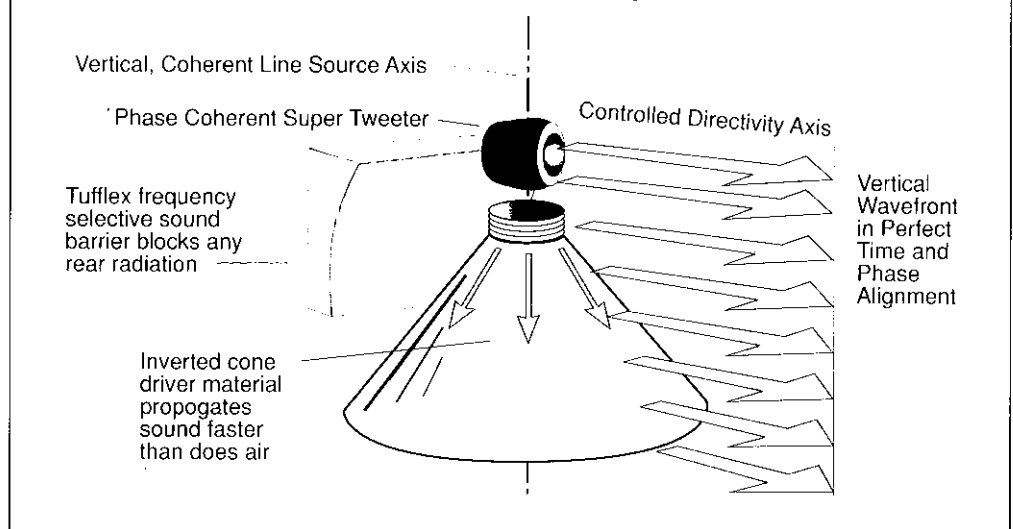
The CLS driver has inherently perfect time alignment and uniform polar frequency response, characteristics that cannot be achieved by conventional or so-called phased-array systems. In the critical midrange frequencies, these factors significantly influence a speaker's ability to recreate a three-dimensional sonic replica of a performance and the ambience of the room in which it was recorded.

A phase-aligned supertweeter is mounted on top of the inverted cone to enhance the high-frequency response and to enhance the controlled directivity soundfield that makes Full Room Stereo work.

The CLS driver is based on a design by Lincoln Walsh, who died just after the first fragile prototype was built. Over the ensuing 20 years, the CLS driver has evolved into a rugged, dependable design with incredible sound reproduction. CLS-type drivers are used in many Ohm speakers, including the highly acclaimed \$5,000 Walsh 5 Limited Edition.

The cylindrical shape of these speakers is not just for aesthetics. Several box-speaker makers have gone to great lengths, with exotic materials and complex internal braces, to keep the flat cabinet walls from vibrating and radiating unwanted

## Coherent Line Source Driver Controlled Directivity Output Pattern.



sound. Sound cylinders are inherently free of such problems because there are no flat surfaces to vibrate. Like an egg shell, the cabinet resists expansion and contraction, keeping unwanted sounds out of the music. Any small remaining high frequency vibrations are damped out by a lead lining, an approach that has been highly effective on the Walsh 5 speakers.

Sound Cylinder Pro Series speakers deliver the extended bass and treble response, higher output levels and higher power handling capabilities that are demanded by today's more dynamic digital home hi-fi systems.

These speakers also feature Ohm's unique Sub Bass Activator™ (SBA) circuit. SBA is a high-pass filter that extends bass response and improves power handling by filtering the very low frequencies that cause the excessive cone excursions that waste power and cause distortion.

Recent improvements to speaker coils and magnet structures have increased the power handling capability and efficiency over earlier Sound Cylinders. Monster Cable™ is used internally to eliminate electrical losses.

Ohm Sound Cylinder Pro Series speakers available in two standard finishes: luxurious Black Matador and Scandinavian Light Oak.

If music means as much to you as it does to the people who designed these speakers, you owe yourself an audition.

## Critics Praise Sound Cylinders

**Stereo Review** — "...smooth, balanced, and thoroughly enjoyable. ...Its dispersion was subjectively complete, and we were never aware of the speakers as distinct sound sources, no matter how much we moved around room. ...The absence of upper bass was striking; voices were essentially uncolored, yet the deep bass of an organ was produced cleanly and powerfully."

**The New York Times** — "...create a sense of sonic ambience that make the listener feel as though he is hearing the music in an appropriate hall rather than within the confines of domesticity. ...there is no question that the Ohm Sound Cylinder represents an excellent bargain, with a clarity and richness of sound rarely found in a speaker of this size and price. ...these [speakers] have an uncanny ability to make a listening room seem a lot bigger than its actual dimensions."

**High Fidelity** — The room-corrected frequency response measured "within ±3.5 dB throughout the speaker's operating range. ...the Ohms had no trouble taking the full output (equivalent to 613 watts, or 27.9 dBW) of the labs test amplifier in our 300 Hz pulse power-handling test."

## Sound Cylinder Pro Series Specifications

	<b>PRO 150</b>	<b>PRO 200</b>	<b>PRO 250</b>
<b>Frequency range:</b>	42 to 20,000 Hz	39 to 20,000 Hz	35 to 20,000 Hz
<b>Power rating:</b>	150 watts	200 watts	250 watts
<b>Minimum power:</b>	10 watts	10 watts	10 watts
<b>Sensitivity:</b>	91 dB	91 dB	91 dB
<b>Impedance:</b>	8 ohms	8 ohms	8 ohms
<b>Height:</b>	34.5 inches	39 inches	45.5 inches
<b>Diameter:</b>	11.5 inches	11.5 inches	11.5 inches
<b>Suggested retail:</b>	\$850/pr	\$1,100/pr	\$1,400/pr



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