

CS2.3

The THIEL CS2.3 reflects our highest standards for sonic reproduction, regardless of price or class.



THE 3-WAY CS2.3 INCORPORATES many of the advanced driver, enclosure, and crossover design principles used in larger and more expensive THIEL models, but does so at a lower price and in a moderately sized cabinet. The CS2.3 employs a 1-inch metal dome tweeter coaxially mounted with a 3.5-inch midrange driver, and an 8-inch metal diaphragm woofer, with a passive radiator.

THIEL's unique *Coherent Source* design provides greater realism

The CS2.3's outstanding performance is achieved in part by THIEL's *Coherent Source* design technology which preserves the music's time and phase information for much greater realism. Phase correct crossover design and time correct driver mounting provide natural three-dimensional imaging and greater clarity. The CS2.3's high performance also results from our extremely thorough engineering, rugged construction, and use of unusually high quality components.

“Jim Thiel's new CS2.3 speaker thrills and excites... an outstanding speaker...”

**—Peter Braverman,
The Absolute Sound,
Issue 115, December '98**



- A 3-inch thick baffle, 1-inch thick cabinet walls, and internal bracing greatly increase cabinet stiffness. By reducing unwanted vibration, both clarity and imaging performance are improved.
- The baffle's rounded edges contribute to very open sound by significantly reducing edge diffraction.
- THIEL-designed and built drivers incorporate several innovative design techniques to reduce diaphragm resonances, increase output levels, and lower distortion.

Tweeter/Midrange Driver

The CS2.3's most innovative design feature is a coaxial tweeter/midrange driver where the two drivers share the *same* voice coil. The drivers incorporate a mechanical crossover to direct the correct frequencies to each diaphragm, eliminating the need for the high frequency section of the electrical network. The coaxial mounting results in improved imaging and clarity, regardless of listener position.



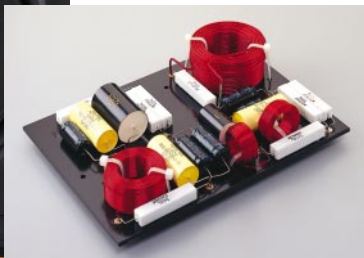
Woofer

The 8-inch woofer uses a very low distortion short coil/long gap motor system, damped by a 2.5 pound magnet. The rigid aluminum diaphragm eliminates resonance coloration, a special copper pole sleeve reduces inductance distortion, and a heavy copper ring maintains an ultra-stable magnetic field. In combination with the bass radiator, the woofer produces exceptionally clean bass down to 35Hz.



Electrical crossover

The CS2.3 electrical crossover provides completely phase accurate transitions between drivers to preserve the recording's spatial information. The network utilizes polypropylene and custom-made polystyrene capacitors, and low-oxygen copper, air-core inductors for very low distortion.



“The Thiel CS2.3 is a superb loudspeaker, and an eloquent testimonial to Jim Thiel’s design expertise and his company’s manufacturing skills...I recommend it highly.”

—Brian Damkroger, *Stereophile*, Vol. 22, No. 1, January '99

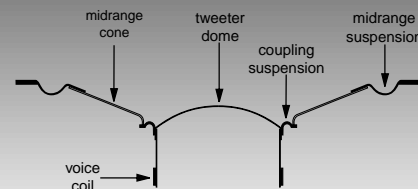
Award winning sound

- Consumer Electronics Show’s *Innovations* '98 Design and Engineering Award winner
- *Stereophile* magazine’s Class B “Recommended Component”

“Listening to the CS2.3 was like a religious experience.”

—Brent Butterworth, *Home Theater*, August 2000

CS2.3 compound moving system



The CS2.3 tweeter/midrange drivers are mounted coaxially and share the same voice coil. The mechanical crossover is implemented by the coupling suspension between the two diaphragms.

