

# THIEL

## Ultimate Performance Loudspeakers



*"There are few companies in high-end audio with the well-deserved reputation for innovation and performance that THIEL Audio enjoys."*

— Shane Buettner, Audio Perfectionist

**T**HIEL LOUDSPEAKERS are world-renowned for their high performance sound, innovative engineering, and exquisite craftsmanship. To meet today's home entertainment needs, THIEL designs and builds speakers that bring you all of the emotional impact and spectacular sound effects of movie soundtracks, as well as deliver the highest level of music reproduction.

THIEL offers a complete line of award-winning and synergistically designed floor-standing, shelf, in and on-wall, and subwoofer speaker systems for outstanding front, center, and rear channel performance. We invite you to discover for yourself that what other speaker companies do well, THIEL does extraordinarily.

### Extraordinary THIEL Design and Engineering...

- *Completely time and phase coherent for greater realism than conventional loudspeakers.*
- *Ultra low-distortion short coil/long gap, copper-stabilized driver motor systems for excellent sonic fidelity and tonal accuracy.*
- *1-inch thick cabinet walls, aluminum enclosures, and baffles of machined aluminum or up to 3-inch thick fiberboard greatly reduce unwanted vibration for greater clarity and spatial performance.*
- *Metal cone drivers eliminate diaphragm resonances in the operating range for very clear and open reproduction.*
- *Form-follows-function cabinet shapes to eliminate diffraction, beautifully finished in a variety of real wood and painted finishes.*

### Completely time and phase coherent for greater realism

All THIEL loudspeakers are completely time and phase coherent for great sonic realism. THIEL's *Coherent Source*® technology eliminates both time and phase distortions to improve realism, clarity, transparency and immediacy as well as greatly enhancing imaging and soundstaging performance.

### Finished in the world's finest woods

THIEL loudspeakers are available in a wide variety of exquisite, real-wood finishes finely crafted to enhance your home environment. We can custom stain, paint, or match a cabinet to your furniture. The aluminum cabinet architectural models can be painted to disappear into any decor.

## Floor-Standing



**CS3.7**

A revolutionary breakthrough in driver design that advances the sonic state-of-the-art awaits your ears with the CS3.7. Its entirely original midrange driver provides exquisitely pure sound reproduction without a trace of audible resonances or cavity diffraction distortions. The all-new 1-inch high-output tweeter and low distortion 10-inch woofer are combined with an advanced cabinet incorporating an aluminum cap and baffle, and curved 15-layer cabinet walls for extreme rigidity. The result is unprecedented purity, naturalness, and realistic sound.

*Bandwidth:* 32 Hz–35 kHz (-3 dB)  
*Amplitude Response:* 33 Hz–26 kHz ±2 dB  
*Sensitivity:* 90 dB @ 2.8 V-1m  
*Impedance:* 4 ohms (2.8 ohms min.)  
*Recommended Power:* 100-600 watts  
12.5 w x 21 d x 45 h inches  
91 pounds



**CS2.4**

An innovative departure from conventional speaker designs, the CS2.4 offers a new perspective in loudspeaker performance for both music and movies. The CS2.4 utilizes a unique, innovative mid-tweeter array that provides very high-quality 3-way performance while requiring only a 2-way speaker's electronic crossover and driver magnet systems. This design technique provides a much higher level of performance than other speakers in its price range.

*Bandwidth:* 33 Hz–37 kHz (-3 dB)  
*Amplitude Response:* 36 Hz–25 kHz ±2 dB  
*Sensitivity:* 87 dB @ 2.8 V-1m  
*Impedance:* 4 ohms (3 ohms min.)  
*Recommended Power:* 100-400 watts  
11 w x 14 d x 41.5 h inches  
70 pounds



**CS1.6**

The look is sleek and unassuming. The sound is totally exhilarating. The CS1.6 establishes a new benchmark in loudspeaker performance that substantially reduces the entry price into high-end sound. The 2-way CS1.6 incorporates an extremely wide bandwidth woofer that greatly improves performance in a small, floor-standing loudspeaker, delivering a much purer and more open upper midrange coupled with a smoother high frequency performance. Its high 90 dB efficiency works well with lower power amplifiers.

*Bandwidth:* 48 Hz–20 kHz (-3 dB)  
*Amplitude Response:* 52 Hz–20 kHz ±2 dB  
*Sensitivity:* 90 dB @ 2.8 V-1m  
*Impedance:* 4 ohms (3 ohms min.)  
*Recommended Power:* 50-300 watts  
9 w x 11.5 d x 35.5 h inches  
38 pounds

The floor standing speakers pictured here are outfitted with optional **Outrigger Stands**. These stands provide greater stability which, in turn, contributes to greater clarity. For more information visit [www.thielaudio.com](http://www.thielaudio.com), or contact THIEL Customer Service.

## Subwoofers

### Patented, revolutionary technology for adding incredible bass extension to your home theater or music system!

THIEL's revolutionary SmartSub® Technology effectively eliminates the room interaction, main speaker integration, and distortion problems that traditionally plague subwoofers. THIEL's unique, patented bass solutions deliver extraordinarily seamless, clean, and deep low-frequency reproduction for the most realistic home theater or music experience possible. THIEL's **SS1 and SS2** subwoofer systems use all-THIEL designed high output, low distortion drivers to provide exceptionally deep, uniform, and dynamic bass down to 10 Hz for any size room. Each is easily adjusted to eliminate wall interaction problems for any room placement without the use of complicated measurements or equipment using THIEL's patented room correction technology. The result is perfectly balanced bass regardless of placement. In addition, unique sub amplifier circuitry eliminates compression distortion to greatly improve dynamics and tonal response. The SS2 is powered by an internal 1000 watt high-efficiency switching mode amplifier, and 500 watts for the SS1.



#### SS1

*Driver Configuration:*  
1 x 10" woofers  
*Size:* 11" W x 15.5" D x 20" H  
*Weight:* 55 pounds  
*Acoustic Output:*  
up to 99 dB @ 20Hz, 106 dB @ 30Hz  
*Amplifier Power:* 500 watts, RMS

#### SS2

*Driver Configuration:*  
2 x 10" woofers  
*Size:* 11" W x 20" D x 23.5" H  
*Weight:* 108 pounds  
*Acoustic Output:*  
up to 105 dB @ 20Hz, 112 dB @ 30Hz  
*Amplifier Power:* 1000 watts, RMS

#### PX05 Passive Crossover

The **PX05 Passive Subwoofer Crossover** allows a THIEL subwoofer to perfectly blend its output to augment the output of select main THIEL speakers.





### MCS1

#### Front/center/surround shelf or stand loudspeaker

Both authoritative and masterful, the 3-way MCS1 is ideally suited for main, center, or rear channel use, and is designed to provide outstanding performance regardless of vertical, horizontal, or stand placement. Its high efficiency, low distortion, and very high output combined with magnetic shielding make it perfect for high performance home theater applications or for use in the world's best music systems.

Bandwidth: 47 Hz–23 kHz (-3 dB)  
 Amplitude Response: 50 Hz–20 kHz  $\pm 2$  dB  
 Sensitivity: 90 dB @ 2.8 V-1m  
 Impedance: 4 ohms (3 ohms min.)  
 Recommended Power: 50-300 watts  
 10 w x 12.25 d x 28.5 h inches  
 61 pounds



### SCS4

#### Front/center/surround shelf or stand loudspeaker

Small yet extremely versatile. Unassuming visually yet a sonic force. The SCS4 is a 2-way loudspeaker that performs equally well as an excellent full-range stereo pair, surround-sound, or center channel speaker. Its coaxially-mounted drivers and aluminum baffle contribute to the SCS4's outstanding fidelity making it as comfortable in demanding music systems as it is playing movie soundtracks or background music.

Bandwidth: 48 Hz–20 kHz (-3 dB)  
 Amplitude Response: 48 Hz–20 kHz  $\pm 3$  dB  
 Sensitivity: 87 dB @ 2.8 V-1m  
 Impedance: 4 ohms (3 ohms min.)  
 Recommended Power: 30-200 watts  
 8.5 w x 11 d x 17.5 h inches  
 25 pounds



### PowerPlane® 1.2 & HigherPlane 1.2

#### Front/center/surround in-wall/ceiling loudspeakers

Never doubt that great sound can be yours even when space is a limitation. The in-wall PowerPlane 1.2 and in-ceiling HigherPlane 1.2 provide the most realistic sound possible from the smallest places. Unlike conventional in-wall and in-ceiling speakers, the 2-way, aluminum cabinet PowerPlane and HigherPlane's coaxial/coplanar drivers insure that you will hear realistic, natural sound, regardless of placement or listener position.

Bandwidth: 75 Hz–20 kHz (-3 dB)  
 Amplitude Response: 75 Hz–20 kHz  $\pm 3$  dB  
 Sensitivity: 89 dB @ 2.8 V-1m  
 Impedance: 4 ohms (3 ohms min.)  
 Recommended Power: 30-200 watts  
 PowerPlane: 15.25 w x 4 d x 9 h inches, 9 lbs  
 HigherPlane: 11 diameter x 6.75 deep inches, 8 lbs

## On-Walls



### PowerPoint® 1.2

#### Front/center/surround on-wall/ceiling loudspeaker

This one-of-a-kind product provides all the room-filling sonic performance of a great floor-standing speaker without occupying any floor space. The award-winning PowerPoint 1.2, unlike traditional ceiling speakers, fills the room from one end to the other with realistic sound. Utilizing all the advanced engineering features of our best floor-standing models, the solid aluminum enclosure PowerPoint provides unsurpassed clarity and dynamics

Bandwidth: 75 Hz–20 kHz (-3 dB)  
 Amplitude Response: 75 Hz–20 kHz  $\pm 3$  dB  
 Sensitivity: 89 dB @ 2.8 V-1m  
 Impedance: 4 ohms (3 ohms min.)  
 Recommended Power: 30-200 watts  
 21 w x 6.5 d x 12 h inches  
 16 pounds



### DewPoint™

#### Weather Resistant Outdoor Loudspeaker

THIEL moves outdoors with the addition of the DewPoint outdoor loudspeaker. The DewPoint combines THIEL's remarkable Coherent Source® time and phase technology with the all aluminum, weather resistant enclosure in the wedge-shape design of it's indoor counterpart, the PowerPoint 1.2 to bring a new level of performance to a speaker category that usually compromises sonic performance for usability.

Bandwidth: 75 Hz–20 kHz (-3 dB)  
 Amplitude Response: 75 Hz–20 kHz  $\pm 3$  dB  
 Sensitivity: 89 dB @ 2.8 V-1m  
 Impedance: 4 ohms (3 ohms min.)  
 Recommended Power: 30-200 watts  
 21 w x 6.5 d x 12 h inches  
 16 pounds



### ViewPoint®

#### On-wall loudspeaker for flat-panel, wall-mounted TVs

Stunning to both the ear and the eye, the ViewPoint is custom-built to elegantly integrate with any flat-panel, wall-mounted video display and wall-mounts directly aside the display for a unified, original- equipment look. The 2-way ViewPoint is completely time and phase coherent, uses very low distortion, coaxial/coplanar drivers and its all-aluminum enclosure reduces unwanted vibration for outstanding clarity, dynamic and spatial performance.

Bandwidth: 70 Hz–20 kHz (-3 dB)  
 Amplitude Response: 75 Hz–20 kHz  $\pm 3$  dB  
 Sensitivity: 88 dB @ 2.8 V-1m  
 Impedance: 4 ohms (3 ohms min.)  
 Recommended Power: 30-200 watts  
 8 w x 5 d x built-to-order height  
 18 pounds

## Driver Technology



**CS3.7 woofer**

- Unique short coil/long gap motor systems dramatically reduce distortion for very clear and open reproduction.
- Very rigid aluminum diaphragms eliminate resonance coloration for exceptionally uniform frequency response.
- Long excursion, long gap motor structures provide greater output capability for realistically high sound listening levels.
- Copper is used for magnetic field stability and reduced voice coil inductance to greatly reduce distortion from secondary effects.
- Heavy cast chassis, very large magnet assemblies, and very high quality parts throughout contribute to high performance.

## Cabinet Construction

- 1-inch thick or multi-layered ply cabinet walls and extensive internal bracing significantly increase wall stiffness for much greater clarity and spatial performance.
- Front baffle vibrations excited by driver motions are greatly reduced by using baffles of machined aluminum or up to 3-inch thick fiberboard.
- Baffles are angled to provide proper driver time performance and use rounded edges to greatly reduce unwanted diffraction effects.
- Very high precision custom designed CNC (computer numeric controlled) machining centers achieve cabinet cut tolerances of .2 of one millimeter for an exacting fit and structural integrity.



**CS2.4 cabinet**

## Crossover Technology



**CS2.4 crossover network**

- Special synthesized first-order crossover systems are designed to provide phase coherent transitions between the very wide bandwidth drivers for much greater realism, especially in the areas of spatial performance and clarity. Instruments and voices seem to occupy real space and have a much greater "live" quality to them.
- THIEL uses extensive electrical compensation in the crossovers to correct frequency response irregularities. This ensures that the exact timbre of each specific sound is true to the original.
- THIEL's crossovers use only the highest quality components. Low distortion polypropylene and custom-made polystyrene capacitors, and air-core inductors wound with high purity copper are used for the lowest distortion.

**“ [THIEL speakers] are the result of sweat, artistry, engineering, cleverness, and unwavering dedication to a common goal...some of the world’s most supernatural sounding speakers”**

— Scott Wasser, Robb Report’s Home Entertainment Magazine, March/April 2007

## We are honored...



**22 CES Innovations Design & Engineering Awards**



**6 The Absolute Sound & Perfect Vision “Editors’ Choice” Awards**



**5 Electronic House “Product of the Year” Awards**



**6 Audio/Video International Grand Prix “Product of the Year” Awards**



**4 SoundStage “Reviewers’ Choice” Awards & '06 Hall of Fame**



**Mark of Excellence “Speaker of the Year” Award**

# THIEL

*Ultimate Performance Loudspeakers*

1026 Nandino Boulevard, Lexington, Kentucky 40511, USA  
Telephone: 859-254-9427 • mail@thielaudio.com • www.thielaudio.com