



Wisdom Audio  
1572 College Parkway, Ste. 164  
Carson City, NV 89706  
[www.wisdomaudio.com](http://www.wisdomaudio.com)

Contact:  
Mark Glazier; president  
775-887-8850; [mark@wisdomaudio.com](mailto:mark@wisdomaudio.com)  
Charlie Leib @ CRL Public Relations  
480-380-0673 / [charlie@crl-pr.com](mailto:charlie@crl-pr.com)

**FOR IMMEDIATE RELEASE**

## Wisdom Audio's CLFC Woofer Technology Yields Narrow Aspect Ratio for In-Wall Systems

*Constrained Layer Fiber Composite (CLFC) Woofers Integrated into Wisdom Audio's New Sage Series High-End Architectural Speaker System Provides High-Performance in Narrow In-Wall Cabinet*

**CARSON CITY, Nev., Sept. 6, 2007** — Wisdom Audio ([www.wisdomaudio.com](http://www.wisdomaudio.com)), the leader in planar magnetic loudspeaker technologies with more than 85 years on-staff experience, has completed development of a constrained layer fiber composite woofer (CLFC) designed specifically for Wisdom's new Sage Series high end architectural audio systems, which will debut at the 2007 CEDIA Expo, held in Denver from Sept. 6-9 at the Colorado Convention Center, booth SR-12.

"As we conceived our Sage Series, we began with a clean sheet and designed our transducers from scratch," explained Mark Glazier, Wisdom Audio president. "Our goal was to produce genuinely full range systems that also were narrow in profile. The result allows the product to integrate beautifully with the architectural space of a sophisticated consumer and also takes full advantage of our planar-magnetic line source technology."

The Sage Series in-wall system represents a leap forward in installed speaker performance thanks in large part to the new CLFC woofers, new generation proprietary thin film planar magnetic drivers, integrated Audyssey Laboratories™ room correction software, bi-amplification via the SC-1 electronic crossover, dedicated low frequency amplifiers, all metal cabinet and back box design and an innovative, patent pending Uni-Grip in-wall mounting system. Now, dealers and installers will have an entirely new performance-driven in-wall solution for their customer base.

"We did not want to accept the limitations of the wide form factors found in most in-walls," continued Glazier. "This challenged us to create a new, oblong-shaped woofer profile and a powerful motor assembly capable of dynamic low frequency output that could keep pace with our planar magnetic drivers, in a narrow and shallow form factor. The result is a low frequency transducer with the piston area equivalent to a 10-inch driver that has the total voice coil circumference equal to a voice coil six inches in diameter, and the frame width of a five inch driver. The horizontal dispersion is smooth and even at frequencies much higher than a round driver of equal surface area. The immense voice coil surface area allows the driver to be mounted in a very small enclosure and driven at high power levels without thermal fatigue. Even with the limited available space dictated by the in-wall environment, we didn't sacrifice performance."

*(more)*

Initially, Wisdom Audio will bring to market five speaker configurations, ranging from 15 to 95 inches tall, each available as an in-wall, on-wall, or freestanding solution. Multiple center channels, a dual woofer vibration canceling in-wall sub enclosure, integrated Audyssey Laboratories™ room correction software, and dedicated electronics round out the new product offerings. Depending on the model and size, most Sage Series speakers also employ either single or multiple oblong-shaped CLFC woofer configurations.

“Designed from the ground up, each Wisdom in-wall system incorporates new, state-of-the-art technologies in order to give our customers the performance from an in-wall system that they’d expect from a standalone speaker,” Glazier concluded. “The CLFC woofer contributes to that performance while providing a narrow profile, shallow, high-performance solution for an enclosed in-wall cabinet. The combination of the CLFC and our narrow profile planar magnetic drivers in each of our systems yields uncommon performance and differentiates our offerings from all other known in-wall solutions.”

The new CLFC woofers work in conjunction with Wisdom’s Sage Series’ new planar magnetic drivers that use costly “rare earth” or neodymium magnets, which provide a vastly stronger magnetic field than conventional magnets, while having to use fewer and smaller magnets to achieve this goal. This vital difference yields a number of critical improvements over what was possible only a few years ago, including higher sensitivity, higher achievable SPLs at lower frequencies, tighter control, reduced coloration, and improved controlled directivity. Advances in construction, such as utilizing latest generation thin films and adhesive-less bonding processes, virtually eliminate heat induced failures. Wisdom Audio’s thin film diaphragms are also pleated using a proprietary, high pressure process that enhances thermodynamic stability while increasing its overall excursion capability, yielding unprecedented dynamic capabilities.

Wisdom Audio also offers several electronic components for the Sage Series, including the SC-1 System Controller boasting a 7.3 in/14.3 out electronic crossover and acoustic room correction incorporating Audyssey MultEQ® XT. It also includes selectable RS-232 operable memory settings for optimized acoustic performance in varied music and film environments. A PC-based installation application configures the SC-1 for a particular complement of speakers in a given installation.

For more information, please visit [www.wisdomaudio.com](http://www.wisdomaudio.com) or call (775) 887-8850.

#### **About Wisdom Audio**

Wisdom Audio is the leader in designing and manufacturing high-performance planar-magnetic drivers and hybrid loudspeaker systems, with more than 85 man years experience on staff. Wisdom Audio founder Tom Bohlender, previously a founder of loudspeaker company Bohlender Graebener Corporation and a pioneer in planar transducer design, launched Wisdom Audio in 1996 to create no-compromise planar loudspeaker systems for the most demanding and critical audiophiles. Wisdom Audio systems employ proprietary, custom-made planar and dynamic transducers optimized for high-performance, high-end audio reproduction applications. Its hybrid-technology systems have earned praise from the specialized media, earning them the coveted “Golden Ear” award from *The Absolute Sound* while satisfying a growing base of customers and dealers worldwide.

Wisdom Audio’s line of planar-hybrid loudspeaker solutions range from the Sage Series architectural products that include the world’s most advanced in-wall speaker systems and culminate with the flagship Infinite Wisdom Grande, among the world’s most expensive home loudspeaker systems. Wisdom Audio products are handcrafted in limited quantities by specialized craftsmen at its headquarters in Carson City, Nevada.