



SOUND ADVICE Vol. 28, August, 17th 2007



THE FINAL SOUND ADVANTAGE

In the world of electrostats, Final Sound electrostatic speakers represent the most important breakthrough in speaker technology in more than a generation and incorporate several exclusive innovations.

Inverter Technology™ – With its exclusive Inverter Technology, Final has re-engineered the way sound and power move across the face of the speaker. Where existing electrostat designs move the audio signal across positive and negatively charged stator plates on each side of a Mylar diaphragm to "pull" the film and create the sound, the Final technology "inverts" that process by embedding the audio signal inside a sealed diaphragm. This creates sound energy that is stronger, clearer, far more responsive, and amazingly lifelike. The simplicity of the new inverter enables speaker impedance to remain well above 4 ohms across the entire frequency spectrum for the smaller speakers and above

3 Ohm for the bigger ones. This allows the use of smaller amplifiers - as low as 35 watts - to drive the speakers. Until now, high-performance electrostatic speakers required more powerful and expensive amplifiers with 100-200 watts *per channel* to adequately drive the speakers.

Lower Production Costs – In addition to the redesigned diaphragm, the new Final panels also feature a compact electronic circuit to drive the electrostat that has led to significantly lower production costs for building high-end electrostatic speakers.

For any enquiries you can reach The Soundsmiths at: info@thesoundsmiths.com or call

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Sealed Audio™ for Lower Distortion – Unlike all other electrostatic speakers available today, Final uses a proprietary technique Sealed Audio to embed the audio conductor deep inside the thin, 12-micron clear film used for the speaker diaphragm. In addition to improving performance, the embedded design protects against scratches, dust, cigarette smoke, and other environmental damage, making it virtually indestructible.

Lightweight, Ultra-Thin Design – Final's patented technology revolutionized high-performance audio by separating the speaker panel from the bulky cones and magnets. The panels are art in themselves, thin and lightweight enough to mount on the wall alongside today's best flat-panel plasma and LCD monitors. Since most of these top-of-the-line monitors don't have speakers, Final is the add-on speaker of choice – the perfect combination of high performance and elegant styling.

Modular Components – Final is the first company to “modularize” electrostatic technology. The benefits are enormous. Modularity allows a consumer to start with two channels (basic stereo) and build up to any number of channels – with no limits.



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High-Definition Audio – The combination of low mass, high speed, and instant acceleration and deceleration, reproduces the audio signal as close to perfect as any speaker ever has. In the high-resolution digital future, this fact will become more important than ever. Electrostatic speaker technology is the perfect complement for DVD-Audio and SACD, two new high-resolution audio formats that are widely expected to replace CDs. Final's exclusive electrostatic technology is to sound as HDTV is to video.

Designed to Meet UL Requirements – Like the Model 80i system, the Model 100i speakers are also compatible with U.L. requirements in the United States - something no other electrostatic speaker has ever achieved.

High-Performance Subwoofers – Even the smallest Final electrostatic speakers (Models 80i end 100i) are designed to reproduce frequencies from 150 Hz to 25 kHz on a single flat panel. Below 150 Hz, they are paired with Final's high-performance subwoofer, which are perfectly matched in terms of speed and articulation. The subwoofers use specially designed lightweight aluminum cones that are fast and rigid and a proprietary amp designed with the highest damping factor and lowest distortion of any sub amp on the market today. This unique design uses the best of dynamic technology where it's most valuable.



**Gijsbert van den
Brink - CEO Final
Sound Solutions**

“The secret behind an extraordinary home theatre experience is the quality of sound. However, pairing a beautiful flat screen television with most on wall and in-wall speaker designs is like bringing discount wine to a gourmet dinner. You are unique, you strive to be different, and demand only the best. Your expectations are high and so are ours. Our line of

affordable flat, high definition speakers are designed to bring out every sound and special effect, even those you never noticed before, and our revolutionary Virtual Surround solution promises to change the way you experience home theatre.”

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Advancing the science of sound -

The unique new line of ultra-slim loudspeakers from Final represents one of the most significant breakthroughs in loudspeaker technology in more than 50 year. The speakers incorporate several exclusive innovations, including circuitry that resists wear and tear, Final's patented inverter technology™ which gives a very broad stereo image everywhere in the room.

Next to that, circuitry that's compliant with UL® safety requirements, a higher impedance that does not require expensive amplifiers and of course a crisp, detailed and crystal clear sound. Final's Virtual Surround solution is a breakthrough in easy and convenient home theatre sound. It will bring you the 'five channel experience' simply from two flat panel speakers, a subwoofer and a special digital signal audio processor.

You like to be different -

You are unique and, you strive to be different, like our technology hidden in great design and made to fit right into your lifestyle. A speaker doesn't have to be the size and weight of a file cabinet to sound spectacular. An electrostatic speaker mainly consists of two very thin stator plates and a Mylar film turning this elegant design into a decorator's dream. The panels can be delivered in any custom colour. Combine this with a different colour frame and mounting base and suddenly every audiophile is able to satisfy the design needs of his or her partner.

Final Sound is also looking into the future with the scalability of their panels. The panels come in several sizes and will fit into small student dorm rooms, a cozy living room, a large home theatre or anything in between. Thanks to the modular concept, it's possible to mix and match any of these panels to create the most convenient sound you can imagine.



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High Definition Loudspeakers

For the home theatre



Digital sound reproduction has revolutionized high performance audio. Today's stereo and home theatre systems can capture the whisper of falling leaves as vividly as the explosive effects in the latest thriller. Reproducing sound with the same clarity and precision as the original

recording is what sets Final Sound apart from other high-end speaker manufacturers. Final Sound is an innovator in high-end audio with patented breakthroughs in lightweight, high definition, electrostatic speaker design. Final Sound has revolutionized high end audio and its new Virtual Surround system finally launches home theatre sound into the future, combining unrivalled realism, elegantly slim design and industry leading technological innovation for every fan of fine audio and video. We will meet the high expectation level of our customers, as we demand only the best.

Your expectations are high

High definition sound is one of the ultimate sensory experiences. Final Sound speakers are designed to reproduce digital and analog audio like no other speaker in any price range. Unlike conventional dynamic speakers, Final Sound uses a proprietary diaphragm to deliver stunning sound, all on a single electrostatic panel. This virtually eliminates the crossover distortion that can occur due to overlap between drivers inside a standard dynamic loudspeaker. Final Sound electrostatic panels deliver sound quality so clear and rich that you can literally feel as if you were there. Our subwoofer line is designed to match our electrostatic panels, providing a seamless blend as the music moves from the lower bass frequencies to the midrange and highest tones. Using exclusive patented technology that redefines the state of the art in electrostatic speakers, Final Sound has made it possible to build very flat speakers that create room for flexibility, modularity, freedom of design and uncoloured sound performance.