



absolute fidelity™

THE GENESIS STORY

The story began in 1967 when Arnie Nudell invented the world's first servo-controlled subwoofer. In the 80's he launched the world's first truly high-end loudspeaker – the Infinity® Reference Standard or IRS.

Fast forward to June of 1993 when he again rocked the world and established new benchmarks for quality, performance and aesthetics for high-end audio with the introduction of the Genesis One Loudspeaker System. It set new world reference standards in sonic performance.

Genesis created loudspeakers with detail retrieval so stunning that you can often hear the performers breathing; loudspeakers with such true three-dimensional imaging that the listener is virtually brought in the presence of the musicians; and loudspeakers with a dynamic range so wide that it will take your breath away.

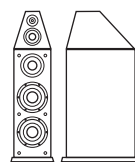
Today, this ability to resolve the lowest level detail with the same articulation and imaging that exists at higher levels in inherent and deeply-rooted in *all* Genesis products. Thus, you can enjoy the same quality of detail and energy from the softest whisper to the loudest roar, from *ppp* to *fff*.



Genesis 5-Series Family

G5.2

Full-frequency audiophile music transducer in a modestly-sized cabinet that can double as a home theater performer.



G5.2c

Audiophile "convertible" center channel and surround or rear channel for all high-end Genesis loudspeaker systems.



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GENESIS
ADVANCED TECHNOLOGIES

5-Series



Beautiful, elegant, and physically unobtrusive, the Genesis 5-Series performs superbly with all music. It sets the standard for small speakers in delivering profoundly powerful bass and a huge life-like soundstage. Spectral coherence, three-dimensional imaging, retrieval of low-level detail and tremendous dynamic range capability means that they will bring the musical performance into your home – from a single vocalist to a large symphony. They embody our concept of *absolute fidelity*™.

The Genesis 5-Series has a family line of impeccable pedigree. Starting with the Genesis V in 1994, the 5-Series main loudspeaker is a full-range loudspeaker in a modestly sized cabinet that fits easily into any room. The second generation G500 received numerous accolades and recommendations from the audiophile press. It was hailed as one of the most adjustable and tuneable speakers on the market. The G501, our previous best seller, continued this tradition and was also renowned for setting standards in bass performance and musical coherence.

Now, new members of the family and new features allow the 5-Series to be used as part of a multi-channel system – either for music or movies. Beautifully finished, they fit stylishly into any home.



Natural wood veneers in either Santos Rosewood or Bird's Eye Maple mean that no two pairs of these speakers will be the same. The Genesis 5-series also fit into the décor of the contemporary and modern home with high gloss painted finishes.

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GENESIS
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5-Series



TECHNOLOGY

The technologies and components used in the Genesis 5-Series far surpass what is merely necessary. With over 40 years of experience in loudspeaker design, Genesis has a legacy of experience and knowledge to draw from to achieve a level of performance that is simply astounding.



LOW DISTORTION DRIVERS

Transducers used in the 5-Series loudspeakers all speak with a similar voice.

The renowned Genesis 1-inch circular ribbon tweeter covers the high frequency duties. This tweeter has been often been called “the world’s best”. The membrane is crafted from an extremely thin sheet of Kapton, with a photo-etched “voice coil” that is a mere 0.0005 inches thick. The entire radiating structure has less mass than the air in front of it, enabling the Genesis tweeter to accurately reproduce frequencies beyond 35kHz.

In order to match the exemplary transparency and speed of the ribbon tweeter, the midrange driver in the 5-Series uses a cone made of solid titanium – one of the lightest and stiffest materials known. This low mass cone is capable of nearly instantaneous transient response enabling the 5-Series to sound effortlessly lifelike. Using metal cones within very tightly controlled frequency ranges, Genesis achieves extremely low coloration and distortion at all levels.

To marry the exceptional midrange to the bass, a 6.5-inch aluminium-cone mid-bass coupler is used. Designed to be extremely light and stiff, the solid metal cones are capable of handling huge power and transients. Used in the tight frequency band between the midrange and the woofers, these cones work as a perfect piston to deliver uncolored and distortion-free sound.

Woofers have to move forcefully to produce the lowest frequency sounds. This results in a large dynamic load on the surface of the cones. Genesis uses precisely ribbed and contoured aluminum cones that are free from transient-blurring distortion imposed by lesser materials. These have absolutely no breakup modes within their operating bandwidth, and deliver profoundly powerful bass capable of shaking a large room.

SERVO-CONTROLLED BASS AMPLIFIER

Inertia is the enemy of accurate low frequency reproduction. The woofer must start instantly and stop exactly. However, the inertia of the moving structure makes it sluggish, resulting in bass overhang, bloat, lack of tightness and a blurring of dynamic impact.

Rather than simply send the woofer pulses of power and hope for the best, the solution is to use a precision accelerometer to monitor the woofer’s movement and make instantaneous corrections, even when it includes complex, rapidly evolving musical bass lines or cinema special effects.

This system places extraordinary demands on the amplifier, since the system uses enormous amounts of current to precisely control the woofer. Genesis’ ultra-efficient switching amplifier is a prime example of intelligent power application. The Class D design is extremely efficient and provides exceptional control and thermal stability even when playing the most demanding sources at high volume.

With this servo control, the transducers appear

mass-less and anechoically flat. While typical non-servo woofer systems have distortion levels that exceed 10% at even moderate levels, the Genesis servo bass system reduces this distortion to below one percent at almost any output level.

DIPOLAR RADIATION PATTERN

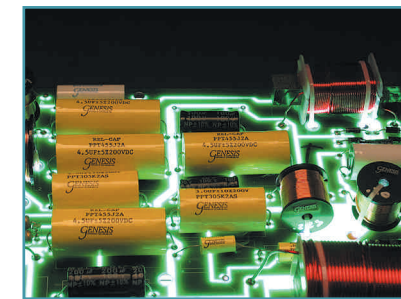
What many people have begun to realize is that the room is as big a part of their music system as are the loudspeakers. All rooms have floors, ceilings and sidewalls that distort sound because of lateral, early-arriving reflections at the listening positions.

Dipoles radiate the same waveform from both front and rear in “push/pull” fashion. Thus, the sound waves from the front and back of the speakers cancel out as they radiate from the sides and tops of the speakers. With fewer spurious reflections to confuse hearing, imaging is more stable, sharply focused, deeper and spacious. Transients are clearer and sharper.

This control of dispersion and reflected sound is the secret behind how Genesis loudspeakers manage to “disappear” and get out of the way of your enjoyment of music.

PHASE COHERENT CROSSOVERS

If the servo-controlled bass amplifier is the heart of the loudspeaker, the crossover is the brain. In order to manage and maximize the performance of the extensive complement of transducers used in



the Genesis 5-Series, we use custom made parts; including the finest capacitors available. Instead of aluminum foil, Genesis uses tin and polypropylene in many of our capacitors as they sound better! Our custom-designed air-core inductors using oxygen-

free copper windings are among the best that the industry can offer.

Each crossover is designed by extensive use of computer modeling, plus years of knowledge and experience. More importantly, the crossovers are tuned, refined and tweaked with many, many hours of listening. From this, comes the magic of highly focused imaging and soundstage recreation, spectral coherence, and accuracy of timbre.

With the trim pots for midrange and tweeter, the Genesis 5-Series is one of the most adjustable, tuneable speakers on the market.

CABINET CONSTRUCTION AND FINISH

The form, construction, and fit and finish of the cabinet contribute to the fidelity of the loudspeaker.

In the 5-series main loudspeaker, the tweeter and midrange are housed in a truncated, tapered, four-sided prism with rounded corners. This means that the drivers interact minimally with the cabinet because of the narrow width and lack of sharp edges.

The mid-bass and woofer enclosure is exactly sized to ensure the proper bass extension from the dipolar-mounted out-of-phase mid-bass couplers and the in-phase woofers. The result is stunning bass extension from a compact box.

Rare natural wood veneers were sourced to complement the look – not artificially reconstituted “real wood fiber” veneers. Hence, no two pairs of veneered Genesis loudspeakers will look identical.

For the modern décor, high gloss finishes are also available. Our High Gloss black is a true hand-rubbed piano lacquer. Over 7 coats of wax are used to achieve a deep luster that rivals the most expensive grand piano.

