



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.

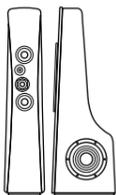
Today, all Genesis audio products are empowered with this ability to resolve the lowest level detail with the same articulation and imaging that exists

at higher levels. Thus, you can enjoy the same quality of detail and energy from the softest whisper to the loudest roar of a tornado.

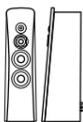


Genesis 6-Series Family

G6.1
Full-frequency audiophile performance in a sculptural enclosure. Integrated dual 12" active servo subwoofer with LFE Blend™.



G6.1e
Audiophile performance in a sculptural enclosure. Add any ServoSub for full frequency range performance.



G6.1c
Audiophile "convertible" center channel and L/R loudspeaker. Add a ServoSub 4/8 for a perfect match.



G6.1sr
Remotely switchable monopole / dipole side or rear surround loudspeaker. Add a ServoSub 2/12t to become an absolute surround channel.



G6.1mp
Monopole surround loudspeaker. Suitable for side or rear channel duties. Add a ServoSub 2/12t for full-frequency response.



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GENESIS
ADVANCED TECHNOLOGIES

6-Series



Elegant surroundings demand beautiful furnishings. The Genesis Advanced Technologies 6-Series are loudspeakers that look right at home in a designer house, and sound perfectly at home in an audiophile's system. They deliver concert-level listening detail and holographic imaging, and yet will enhance the beauty, value, and comfort of your home. They have earned accolades for design and engineering from the Consumer Electronics Association; for style in architecture, interior design, and lifestyle magazines; and for fidelity, performance and sound in audiophile magazines.

Whether it is to restore a musical performance, or to recreate some real or imaginary movie realm, the Genesis 6 Series loudspeakers will give you the tools to create a system to suit. From a compact two channel stereo system to a full blown 7.7-channel movie surround and more.

In the real world, we are surrounded by continuous, uninterrupted, full resolution sound.

When we bring the world into our homes, our ears demand the same unbroken continuum of sound. Each channel of the new Genesis 6 Series Surround System is an *absolute fidelity™* channel – delivering the frequency response and dynamic range of real life.

Low Frequency Effects (LFE) and infrasonics can be equally distributed in the listening space; delicate high frequencies, including ultrasonics, truly surround you, resulting in unparalleled impact and detail. We call this *absolute surround™*.

absolute fidelity™

GENESIS
ADVANCED TECHNOLOGIES



6-Series



TECHNOLOGY

The technologies and materials used in the Genesis 6-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.

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 gets out of the way of your enjoyment of music.

LOW DISTORTION DRIVERS

Transducers used in the 6-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 6-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 6-Series to sound effortlessly lifelike.

Two 6.5-inch mid-bass couplers provide vast dynamic range to the 6-Series. Designed of extremely light and stiff aluminum, the solid metal cones are capable of handling huge power and transients. Using metal cones within very tightly controlled frequency ranges, Genesis achieves extremely low coloration and distortion at all levels.

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 "floor-shakingly musical bass".



SERVO-CONTROLLED BASS AMPLIFIER

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

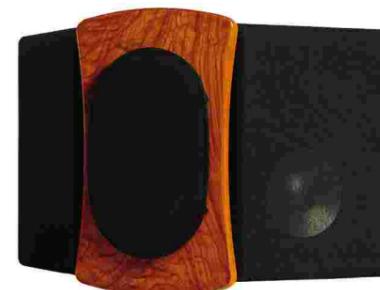
Rather than simply send the woofer pulses of power, and hope for the best, the solution is to use a precision accelerometer to monitor the woofer's movement and make instantaneous corrections, even when it includes complex, rapidly evolving musical bass lines or cinema special effects.

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

With this servo control, the transducers appear massless 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.

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 6-Series, we use our own custom made



parts, including the finest capacitors using the best polypropylene film and tin-foil technology available today. Our custom-designed inductors 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 pinpoint imaging and soundstage recreation.

CABINET CONSTRUCTION AND FINISH

In order to achieve both the sonic quality demanded by a Genesis product, as well as the subtle elegance and understated beauty that we sought to achieve, the cabinet sides of the G6.1 had to have a complex curve and angled by 1 degree from top to bottom, and 3 degrees from front to back. The front baffle also had to slope back by 5 degrees from bottom to top.

Even the pieces that make up the internal braces were machined to the ideal angles to fit perfectly. The result is a beautiful-looking cabinet that is free from uncontrolled vibrations and resonance. The cabinets of the other products of the family are engineered to match.

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 in any color under the sun. In order to ensure a deep luster and color fastness, the highest quality automotive paints are used with an exacting 7-step process.

