

# 500

## The Holy Grail

The elusive jewel of the high end loudspeaker industry is a full range loudspeaker system embodied in beautiful cabinetry of a size modest enough to fit easily in any room, yet capable of delivering a huge lifelike soundstage. Just such a jewel is the Genesis 500.



The Genesis 500 employs our newest innovations, delivering live listening levels across the entire frequency spectrum with spatially accurate imaging, and yet, is only 44 inches tall and 11 inches wide. The cabinetry is hand crafted with compound miters and covered in beautiful rosewood veneers and hardwoods. This combination yields a visually stunning finished product. But close your eyes so you can focus on the full impact of a symphony orchestra in your living room.

## How Do We Do It ?

Like all Genesis loudspeakers, the 500s employ a dipole design (from the mid-bass couplers on up) producing sound from both the front and the rear, one out of phase with the other. While the advantages of dipole design are many, the two main benefits are ease of placement in the room and more natural, spacious sound reproduction.



Dipoles achieve their superior performance because they create a radiation pattern where the energy emanating to the sides of the speakers is nearly non-existent. With very little acoustical energy reaching the side walls of your living room, not only is placement of the speakers easy but, remarkably, the listener is able to experience the music unencumbered by the normal room interactions which plague most other speaker systems.

The Genesis 500 loudspeakers utilize some of our newest and most sophisticated technology. Set within each multifaceted cabinet are two 1-inch planar ribbon tweeters, one of our newly-minted 5-inch titanium cone midrange modules, a 6-inch aluminum cone mid-bass coupler, and three 8-inch metal cone servo woofers driven by an integral G-SAT 500-watt servo-controlled switching power amplifier.

## It's All in the Drivers

As in all Genesis loudspeakers, the drivers used in the 500s are custom-crafted devices designed and tuned by Genesis engineers for transparent, and dynamic performance.

The tweeter used in both the front and back of the Genesis 500 has been described by many reviewers in both the American and foreign audiophile press as "possibly the world's best." It is a 1-inch planar ribbon design that is handcrafted from an extremely thin, laminated membrane of



aluminum and Kapton. It measures a mere 0.0005 of an inch thick. The advantage of incorporating such an extremely thin membrane is its low mass. The result of this design is a driver that produces a rapid and uniform response to high frequency transients and has the speed of the best ribbon/electrostatic designs without the characteristic distortion and poor dispersion associated with them.

Our new 5½-inch midrange driver is machined from pure titanium, one of the lightest and stiffest materials known to man. Its super-low mass and virtually distortionless motor structure make it one of the best transducers ever made. With its nearly instantaneous transient response, this titanium midrange inspires the Genesis 500 loudspeakers to sound lifelike and effortless.

To create a "sound bridge" between the midrange and the servo-woofer system, the 500s incorporate our world-renowned 6½-inch aluminum cone mid-bass coupler. Being of an extremely light and stiff design, this aluminum cone is capable of handling the huge dynamic range demands of the system while maintaining extremely low coloration and excellent transient response.

Servo control of the woofers coupled with metal cone technology creates the phenomenal bass performance of the 500s. Listening to traditional woofer systems, one could describe the bass as "heavy," "soggy," or "boomy" to some extent because the woofer has high mass and therefore high inertia.

This causes poor control and high distortion. In a servo woofer system, complete control of the

woofer is made possible by the addition of a motion sensor (accelerometer) mounted directly on the woofer itself. The resultant decrease in distortion, greater frequency extension and tight control yield musically accurate yet "floor shaking" bass.

### **Genesis G-SAT Amplifiers = All the Bass**

The servo-controlled metal cone woofer system of the Genesis 500 is driven by the new Genesis G-SAT Amplifiers. These unique power plants utilize an extraordinary technology known as the switching amplifier, first introduced to the audio world by Genesis co-founder Arnie Nudell. Acclaimed for exemplary performance by virtue of perfectly linear response, near-perfect efficiency and "slam factor," our switching amplifier is superior to just about any other form of amplification.

The Genesis 500, a matchless combination of performance, price, size, and beauty. The 500 *is* the elusive jewel you have been waiting for. See your local Genesis dealer today for an audition.

### **Specifications**

Dimensions . . . . . 11"W x 44"H x 22"D

Weight (each). . . . . 141 lbs each

Frequency

Response . . . . . 22 Hz to 36 kHz (±3dB)

Loudspeaker

Impedance . . . . . 4 ohms

Sensitivity . . . . . 90dB

Crossover . . . . . 4th order Linkwitz Riley  
phase correct

Amplifier (each) . . . . 500 watt rms switching amplifier



**Genesis Technologies, Inc.**

P.O. Box 3789 Eagle, Colorado 81631 USA • TEL (970) 328-9515 • FAX (970) 328-9522