

Genesis™ APM-1

Loudspeaker



The Genesis APM-1 embodies our commitment to the shattering of traditional high-end loudspeaker price-to-performance ratios. With a stunning new form factor and engineering innovations that belie their cost, our new APM-1 is an ideal audio/video loudspeaker system, offering unprecedented ease of placement in your listening environment. Their sleek modern industrial design encompasses innovative engineering and driver technology, setting the stage for the captivating performance of the revolutionary new APM-1 from Genesis Technologies.

Generally Speaking:

This series of loudspeakers, by virtue of its extraordinary dynamic range and extended frequency response, is perfect for both high-end home audio and video applications. The APM-1 has in fact been specifically designed to excel in both of these areas.

Like all Genesis loudspeakers, the APM-1 embodies a dipole design 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 (they can even be located very close to a wall boundary) 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 APM-1 Loudspeakers utilize our most sophisticated technology. Suspended within sculpted cherry wood front baffles measuring a mere 11" wide are four 1" planar ribbon tweeters, a pair of our newly minted titanium midrange modules, as well as four mid-bass couplers. Down below are two 15" aluminum cone servo subwoofers driven by twin integral G-SAT 500-watt servo-controlled switching power amplifiers.

Drivers: some of the "tricks of our trade"

The tweeter used in both the front and back of the APM-1 has been described by many reviewers in both the American and foreign Audiophile press as "possibly the world's best." It is a 1" planar ribbon design that is handcrafted from an extremely thin, laminated membrane of aluminum and Kapton. It measures a mere 0.0005" 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.

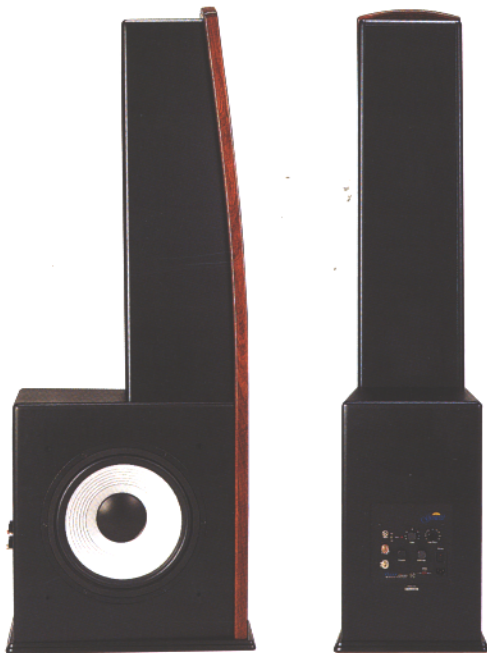
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SPECIFICATIONS

GENESIS APM-1 LOUDSPEAKERS

Cabinet Dimensions	64.5"H x 11"W x 25"D
Frequency Response	20Hz to 36kHz (±3 dB)
Loudspeaker Impedence	4 ohms
Sensivity	90 dB
Weight	240 lb. each
Woofers amplifier	500 watt switching amplifier, built in.



Our new 5 1/2" midrange driver is machined from pure titanium, one of the lightest and stiffest materials known to man. Its super low mass makes it one of the best transducers ever made. With its nearly instantaneous transient response, this titanium midrange inspires the APM-1 loudspeakers to sound life-like and effortless. This driver will be incorporated into forthcoming Genesis products costing many times that of the APM-1.

To create a "sound bridge" between the midrange and the servo-woofer system, the APM-1 incorporates two of our

world-renowned 6 1/2" metal cone mid-bass couplers (as found in our Genesis V and new Genesis 500). Being of an extremely light and stiff design, this metal cone is capable of handling the huge dynamic range demands of the system while maintaining the extremely low coloration and excellent transient response critical in reproducing the classic "Genesis Power Band."

As in all Genesis loudspeakers, the drivers used in the APM-1's are custom crafted devices designed and tuned by Genesis engineers for transparent and dynamic performance.

The APM-1 gets the "Low Down"

Servo control of the woofers coupled with metal cone technology are the keys to the phenomenal bass performance of the APM-1. 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.

The servo controlled metal cone woofer system of the APM-1 are driven by the new Genesis G-SAT Amplifier. This unique power plant utilizes 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 its perfectly linear response, near-perfect efficiency, and "slam factor," our switching amplifier is superior to just about any other form of amplification. In fact, the Genesis servo-bass system forges the best melding of driver and amplifier imaginable, yielding the precise and powerful bass required for today's demanding dual-purpose (audio/video) speaker systems.

Looks aren't everything, but they help . . .

The APM-1 is a dynamic, full range loudspeaker system capable of delivering live listening levels with active servo-bass response down to 25 Hz and high frequency response beyond 32 kHz. Of course the APM-1 was designed for sonic virtuosity, but they were also designed to be the best looking products in their class. You will be captivated by the elegantly modern form factor of their 10-layer "sculpted" cherry wood baffle and ingeniously integrated grille work.

Prepare yourself for a truly exciting and dramatic new listening experience . . . the Genesis APM-1.

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