

# MAGICO

## A1

Reference Quality 2-Way Bookshelf Loudspeaker System



HAYWARD, CA (USA) – Building on the tremendous success of the A3, Magico is proud to expand the A-Series with the introduction of the new A1 bookshelf loudspeaker -- a fully braced aluminum enclosure, beryllium dome tweeter, carbon Nanographene cone, and our renowned elliptical crossover. The A1 represents an unprecedented value in its price category.

### **Aircraft Grade Aluminum Enclosure**

The A1 enclosure is constructed using  $\frac{3}{8}$ " thick 6061 T6 aircraft grade aluminum, similar to the enclosure developed for the Q1 and is available in an elegant brushed-aluminum, black anodized finish. An innovative internal bracing technique along with the most advanced damping materials makes the sealed enclosure incredibly rigid and free of unwanted mechanical resonances. The complete enclosure design of the A1 is evaluated in simulation using the latest FEA software along with physical testing to meet the uncompromising requirements of Magico for optimized enclosure rigidity, stability and to ensure benchmark acoustical standards.

## High Frequency Driver

Featuring the same tweeter as the full range A3, the A1 utilizes a pure Beryllium-diaphragm with an optimized 28-mm dome based on the fundamental design platform and geometry of our reference M-Series tweeter. The customized neodymium motor system is encased in an improved back chamber with our latest generation damping materials that facilitate ultra-low distortion, higher power handling, massive dynamic capabilities, and extended linear voice coil movement.

## Mid-Bass Driver

The newly developed 6.5-inch mid-bass driver features a Multi-Wall carbon fiber cone with a layer of XG Nanographene, providing optimal stiffness to weight ratio and an ideal damping factor. The driver frame has been designed, simulated and tested for the optimal combination of stiffness and damping. Minimum acoustical impact is achieved through reducing vibration modes while maximizing air flow. The motor system incorporates extra-large magnets to ensure a stabilized magnetic field in the 39-mm pure titanium voice coil. The A1 mid-bass driver is optimized for minimal music related distortions in its bandpass, in both the frequency and time domains using state of the art finite element analysis simulation of acoustical, mechanical, electromagnetic and thermal behavior.

## Crossover

The drivers in the A1 are acoustically integrated using Magico's proprietary Elliptical Symmetry Crossover topology that utilizes state-of-the-art components from Mundorf of Germany. The 2-way network features a 24db per octave Linkwitz-Riley filter that maximizes frequency bandwidth while preserving phase linearity and minimizing intermodulation distortion.

## Specifications

Dimensions: 15.6"H x 12"D x 8.5"W  
Weight: 45 lbs.  
High: 1.1" Beryllium Dome Tweeter  
Mid-Bass: 6.5" Graphene Nano-Tec Midbass  
Sensitivity: 85dB  
impedance: 4 ohms  
Ship date: 3<sup>rd</sup> Quarter 2019

## About Magico, LLC

Magico was created over a decade ago for the sole purpose of leading a no holds-barred assault on what is possible in contemporary loudspeaker design. Inspired by the unique vision of Industrial designer and accomplished musician Alon Wolf, every Magico product is designed against the true standard of perfect audio reproduction – live music. At Magico, we strive to lead in the creation, development, and manufacture of the most elegant and technologically advanced loudspeaker systems in the world. Each product expresses our passion to craft uncompromising devices that reveal the music as never before.