

MAGICO

A5 – Flagship A-Series Loudspeaker (3-way / 5-driver design)



Hayward, CA (USA) – The largest and most advanced of Magico’s A-Series, the A5 incorporates the company’s first 5-inch pure midrange driver as well as enhanced midrange and bass driver cone technology. These new cones achieve unprecedented stiffness-to-weight ratio, a key parameter that Magico has pursued over the past 15 years. In addition, the crossover debuts Mundorf’s new M-Resist Ultra foil resistors for unmatched transparency, liquidity and power handling. “The A Series has been a great success in reaching a wider audience,” said Magico’s founder, Alon Wolf. “The A5 builds on that success with a new 5-inch midrange of extraordinary musicality. And the A5 ‘plays larger,’ with powerfully extended dynamic range.” The three-way, five-driver floorstanding speaker retains such Magico hallmarks as extensively cross-braced 6061 aircraft grade aluminum and Elliptical Symmetry Crossover. Finished in brushed black anodized aluminum, the loudspeaker will begin shipping in the first quarter of 2020.

New bass drivers with advanced new sandwich cones

The 9-inch bass drivers of the A5 feature a newly enhanced version of Magico's Graphene Nano-Tec cones. Graphene, a hexagonal lattice of carbon, achieves 50 times the tensile strength of high-carbon steel. The new cone design combines Graphene layered carbon fiber with advanced new core materials to achieve the highest possible stiffness to weight ratio. Thanks to extensive computer simulation and prototype tests, the driver chassis achieves an ideal combination of stiffness and damping, minimizing acoustical contribution and maximizing airflow. The new bass unit incorporates oversized components including a 5-inch pure Titanium voice coil and huge copper cap with ½" of linear excursion. The super-stabilized magnetic field enables the A5 to really thunder, producing 115 dB SPL (@ 50 Hz, 1 meter), while maintaining very low distortion and inductance below 0.18 mH. Finite Element Analysis (FEA) provides Magico engineers a single platform to assess acoustical, mechanical, electromagnetic and thermal properties. This meticulous testing helps minimize distortions in the frequency and time domains. Borrowed from the Magico M3 and M6, the triple bass driver configuration provides easy room integration, maximum distribution of the floor bounce effect and effortless reproduction of extreme musical peaks.



New five-inch pure midrange driver

The new 5-inch full-cone midrange driver enables wider dispersion and greater midrange transparency. Like the bass driver, the midrange also incorporates an advanced Graphene carbon fiber sandwich cone. A new foam surround helps achieve ideal cone/surround integration, faster settling time and impressively low distortion. The all-new motor system uses a pure Titanium voice coil. The super stabilized magnetic field and pure copper pole cap minimize eddy currents and maximize efficiency. This latest midrange driver sets new benchmarks of measured performance.

High-frequency driver

Based on the fundamental design platform and geometry of the M-Series tweeters and shared with the other members of the A-Series, the tweeter incorporates a pure beryllium-diaphragm with an optimized 28-mm dome. Magico encases the customized neodymium motor system in an engineered back chamber with the company's most advanced damping materials. This enables ultra-low distortion, high power handling, massive dynamic capabilities and extended linear voice coil movement.

Crossover debuts the Mundorf M-Resist Ultra foil resistors

Magico acoustically integrates all five drivers with the proprietary Elliptical Symmetry Crossover topology built with state-of-the-art components from Mundorf EB GmbH of Cologne, Germany. The A5 will be the first product in the world to offer Mundorf's new M-Resist Ultra foil resistors. Now perfected after years of development, the new resistors deliver greater power handling, transparency and liquidity. The 3-way network features a 24 dB per octave Linkwitz-Riley filter that maximizes frequency bandwidth while preserving phase linearity and minimizing intermodulation distortion.

Aircraft-grade aluminum enclosure

Weighing in at 180 pounds each, the A5 features a massive, sealed enclosure machined entirely of 6061-T6 aircraft grade aluminum, the same material and construction methods as in Magico's acclaimed Q-Series. Complex internal bracing helps stiffen the entire enclosure and minimize resonance. A dedicated sub-enclosure houses the midrange driver, protecting it from the extensive back wave energy of the bass drivers. The aluminum has an elegant, brushed black anodized finish.

Driver Complement

1" Tweeter (x1)

5" Graphene Nano-Tec Midrange (x1)

9" Graphene Nano-Tec Bass (x3)

Specifications

Sensitivity:	88 dB
Impedance:	4 Ohms
Frequency Response:	22 Hz – 50 kHz
Recommended Power:	50 – 1000 Watts
Dimensions:	10.5" (W) x 14.9" (D) x 44.75" (H) 180
Weight:	lbs.

About Magico, LLC

Magico was established in 2004 for the sole purpose of leading a no holds-barred assault on the limitations in conventional 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.

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