

# Magnat®

## SIGNATURE 809

### PASSIVE 4-WAY FLOORSTANDING SPEAKER

The Magnat Signature 809 is a high-performance 4-way floorstanding speaker with dual bass and a bass-reflex design to deliver a dynamic and immersive sound. Featuring advanced drivers and a refined cabinet construction, it ensures precise audio reproduction with powerful bass, natural midrange, and crystal-clear highs. Perfect for audiophiles and home theater enthusiasts, the Signature 809 combines cutting-edge technology with exceptional craftsmanship for a premium listening experience.



### SPECIFICATIONS

**Principle** 4 way, double bass, bass-reflex

**Drivers** 2 x 200 mm (8") woofer,  
170 mm (6.5") midrange,  
30 mm (1.2") dome-tweeter,  
20 mm (0.75") super-tweeter

**Power Handling (RMS/Max)** 250 / 420 Watts

**Impedance Range** 4 – 8 Ohms

**Nominal Impedance** 4 Ohms

**Frequency Range** 22 – 52 000Hz

**Frequency Response (-6dB)** 32 – 41 000 Hz

**Crossover Frequencies** 260 Hz / 2 500 Hz / 17 500 Hz

**Recommended Amplifier Output** > 30 Watts

**Sensitivity (2.8V/1m)** 92 dB

**Cabinet surface** Front: black satin / cabinet: black vinyl  
Front: white satin / cabinet: white vinyl

**Dimensions (WxHxD)** Cabinet: 248 x 1150 x 392 mm  
Cabinet incl. foot and spikes: 340 x 1190 x 392 mm

**Weight** 29,6 kg

**SKU / EAN** Satin black: D147310 / 4018843473109  
Satin white: D147312 / 4018843473123

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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# SIGNATURE SERIES

## SIGNATURE 809

Magnat

The Magnat Signature Series offers a versatile lineup of speakers designed for seamless interchangeability. All models (Signature 999, 809, 607, 603 and Edelstein) are crafted to work harmoniously together with a Center Pro II center channel, a pair of atmos surrounds ATM 202 and an Omega CS12 subwoofer allowing you to customize your audio setup without compromising on sound quality.

### SLEEK DESIGN TONE ON TONE

The high-quality multi-layer satin matte finish on the front baffle enhances the aesthetic appeal and overall quality of this loudspeaker, while highlighting Magnat's typical gray ceramic cones. The bass woofers are highlighted by a decorative ring secured by 6 screws. The rest of the cabinet is covered in scratch-resistant tone-on-tone vinyl. The removable fabric grille ensures clean aesthetics without compromising sound. Height-adjustable metal spikes with replaceable tips ensure stable placement on any surface, enhancing the speaker's stability and performance.

### HI-RESOLUTION TWEETER FOR DETAILED HIGHS

The tweeter system in this range includes a state-of-the-art high-resolution fmax dome tweeter and an additional super dome tweeter, delivering an extended frequency response up to 50 kHz. Thanks to powerful neodymium magnet systems and precision engineering, these tweeters provide incredible details, clarity, and dynamics, ensuring accurate reproduction of high-frequency sounds. The integration of a spherical waveguide further enhances the dispersion properties, providing a balanced and natural soundstage.

### SOLID CABINET

Built for both acoustic excellence and durability, the cabinet is crafted from MDF panels, known for their low-resonance properties.

### DOUBLE PORTS FOR AIR MANAGEMENT

The dual Airflex ports are designed to minimize airflow noise, contributing to a richer bass experience.

### DESIGNED & ENGINEERED IN GERMANY

Magnat products are proudly designed and engineered in Germany, reflecting a commitment to precision, quality, and innovation. Our skilled team combines advanced technology with timeless craftsmanship to create audio solutions that deliver exceptional performance. Each product embodies the German engineering ethos, ensuring you experience superior sound and reliability.

### MAGNAT 3L CONES FOR DEEP BASS AND PRECISE MIDRANGE

The bass and midrange drivers use advanced FE-Dynamics technology, with a state-of-the-art 3-layer design. This cone, composed of 3 superimposed ceramic-aluminium-ceramic layers, offers exceptional rigidity while minimizing unwanted resonances for a pure, controlled sound. A ventilated voice coil ensures heat dissipation for consistent high-performance sound. Each driver is individually and precisely optimized using Klippel® technology for greater accuracy across the entire frequency range. Klippel is a measurement system based on the precise detection of membrane movement using a laser. This enables us to optimize the magnetic system, the diaphragm and the voice coil construction in a highly efficient way.

### PREMIUM CROSSOVER

The crossover network is meticulously designed with amplitude and phase optimization, utilizing high-quality components for smooth transitions between drivers. Featuring acoustic 24 dB filters, this system ensures precise separation of frequencies, providing a seamless listening experience. The generously sized connection terminals, with gold-plated contacts, ensure a reliable and strong connection even for cables with large conductor cross-sections, maximizing the speaker's performance. This allows us to optimize the magnet system, membrane and voice coil construction in a very efficient way. So we can optimize the overall performance of each driver.

### PERFECT FOR MUSIC & MOVIES

Magnat Signature products offer an exceptional audio experience that enhances movies and music. With their powerful sound and rich detail, they can bring your movies or series to life, or enhance your favorite music tracks. In short, whether you're watching a blockbuster movie or religiously listening to a playlist, Magnat guarantees that every note and every sound effect is heard as the sound engineers intended.

