

Magnat®

Signature 700



MAGNAT SIGNATURE 700 – THE HAPPY MEDIUM



PREMIUM QUALITY SOUND AND WORKMANSHIP – SIGNATURE 700

- HiRes dual tweeter system for maximum resolution and transparency
- Ceramic/aluminum cone for woofer and midrange drivers, non-magnetic die-cast aluminum baskets with voice coil ventilation
- Multi-braced MDF cabinet, amplitude- and phase-optimized crossover, bi-wiring/bi-amping terminals with screw terminals
- Corresponding center speaker with two large 6.5" bass-midrange drivers for a perfect home cinema sound
- Corresponding active subwoofer with pulse power plus 350 watts, 12" woofer and a variety of setting options
- Available in black and white with a high gloss front panel, cabinet finished in a satin lacquer



SIGNATURE 700 – THE HAPPY MEDIUM

The 700 series rounds off the premium class in the Signature range. It combines the audio qualities of the larger models with sleek, elegant cabinets and a timeless visual appearance. The technical ingredients used are also of the finest variety: In addition to the legendary Hi-Res certified dual tweeter module, the speakers also feature ceramic/aluminum cones for the bass and mid-range frequencies.



OPTIMUM COMPONENTS

Non-magnetic die-cast aluminum speaker baskets secure the speakers and drive firmly in place, while the voice coil ventilation ensures a high load capacity. Of course, all of the speakers have been optimized using Klippel® laser measurement technology.

FINEST WORKMANSHIP

The harmonics that are so important for the overall audio impression and are largely responsible for how we perceive a sound, also unfold in ranges above 20,000 Hz. This fact is taken into account by the dual tweeter system, which, in addition to a 1.2" tweeter, also incorporates a second 0.75" fmax dome tweeter in a specially configured aluminum front panel.

TIMELESS EXTERIOR

The sturdy connection terminal allows bi-wiring and/or bi-amping configurations. The elaborately designed crossover with its 24 dB filters is both amplitude- and phase-optimized. Height-adjustable solid metal spikes ensure a secure footing and acoustic decoupling.

WOOFER & MIDRANGE:

- Generously vented die-cast aluminium basket to prevent turbulence and compression effects
- Ceramic-aluminium sandwich membranes with high rigidity and optimum internal damping, optimised by inverse dust caps
- Sophisticated voice coil ventilation for a particularly high degree of resilience
- Klippel®-optimised overall design

TWEETER MODULE:

- Newly developed high-res tweeter module with two fmax dome tweeters
- 1.2" dome tweeter with extra-thick surround for low frequency coupling to the midrange
- Additional 0.75" super dome tweeter for ideal omnidirectional sound distribution and extended reproduction up to 50 kHz
- Powerful neodymium ring magnet systems for best dynamics
- Front panel secured by six screws, special sound guides for optimum dispersion properties



ENCLOSURE:

- Very sturdily constructed, multi-braced MDF cabinet
- High-gloss lacquered baffle combined with noble satin matte lacquer (body)
- Removable fabric protection grille with optimum sound transmission and invisible magnet attachment
- Airflex ports with rounded reflex openings for reducing wind noises
- Sturdy base struts for stability (MDF)
- Height-adjustable, counter-locked solid metal spikes with replaceable tips for optimum stability on all floors
- Decoupling silicone feet and metal spikes included

CROSSOVER:

- Amplitude- and phase-optimised crossover with acoustic 24 dB filters and high-quality components
- Large connection panel with generously dimensioned screw terminals and gold-plated contacts

WOOFER:

- 300 mm high-power long-throw woofer with Klippel®-optimized magnet system
- Ventilated high-performance voice coil to guarantee highest operational reliability
- The coated paper cone ensures a profound audio reproduction
- Solid metal basket with generous ventilation openings
- Klippel®-optimised overall design

AMPLIFIER:

- High performance class-D amplifier
- Adjustable volume and crossover frequency
- Phase adjustable from 0° to 180°
- Active frequency response equalization up to 120 Hz (LPC circuit) for seamless integration in AV environments
- Automatic standby function with low power consumption <0.5 watts (can be switched off)
- Selectable mains voltage 100-240V
- Mains switch

CABINET:

- "Down-fire" construction
- Very solidly constructed housing made of MDF panels
- High-gloss lacquered baffle combined with noble satin matte lacquer (body)
- Two generously dimensioned Airflex ports with low flow resistance
- Large resonance absorbing feet

CONNECTIONS:

- Stereo low level inputs (RCA connections)
- Mains supply



SIGNATURE 707

High-end 4 way bass reflex loudspeaker

PRINCIPLE

4 way, double bass, bass reflex

DRIVERS

2 x 6.5" woofer, 6.5" midrange, 1.2" dome-tweeter, 0.75" super-tweeter

POWER HANDLING (RMS/MAX)

220 / 380 watts

IMPEDANCE

4 – 8 ohms

FREQUENCY RESPONSE

22 – 54000 Hz

CROSSOVER FREQUENCIES

350 Hz/2700 Hz/17000 Hz

RECOMMENDED AMPLIFIER OUTPUT

> 30 watts

SENSITIVITY

92 dB

CABINET SURFACE

Front: Piano black / Cabinet: black satin
Front: Piano White / Cabinet: white satin

DIMENSIONS (WxHxD)

Cabinet: 210 x 1055 x 345 mm
Cabinet incl. feet and terminal: 290 x 1070 x 345 mm

WEIGHT

23,4 kg

ART.NO. /EAN

Black: 147 239 / 40 18843 47239 3
White: 147 240 / 40 18843 47240 9



SIGNATURE 703

High-end 3 way bass reflex loudspeaker

PRINCIPLE

3 way, double bass, bass reflex

DRIVERS

6.5" midwoofer, 1.2" dome-tweeter, 0.75" super-tweeter

POWER HANDLING (RMS/MAX)

110 / 180 watts

IMPEDANCE

4 – 8 ohms

FREQUENCY RESPONSE

31 – 54000 Hz

CROSSOVER FREQUENCIES

2700 Hz/17000 Hz

RECOMMENDED AMPLIFIER OUTPUT

> 20 watts

SENSITIVITY

91 dB

CABINET SURFACE

Front: Piano black / Cabinet: black satin
Front: Piano White / Cabinet: white satin

DIMENSIONS (WxHxD)

210 x 372 x 305 mm

WEIGHT

7,7 kg

ART.NO. /EAN

Black: 147 236 / 40 18843 47236 2
White: 147 237 / 40 18843 47237 9



SIGNATURE CENTER 73

High-end 3 way center speaker

PRINCIPLE

3 way, double bass, bass reflex

DRIVERS

2 x 6.5" midwoofer, 1.2" dome-tweeter, 0.75" super-tweeter

POWER HANDLING (RMS/MAX)

120 / 190 watts

IMPEDANCE

4 – 8 ohms

FREQUENCY RESPONSE

32 – 54000 Hz

CROSSOVER FREQUENCIES

2600 Hz/17000 Hz

RECOMMENDED AMPLIFIER OUTPUT

> 20 watts

SENSITIVITY

91 dB

CABINET SURFACE

Front: Piano black / Cabinet: black satin
Front: Piano White / Cabinet: white satin

DIMENSIONS (WxHxD)

Cabinet: 520 x 200 x 275 mm

WEIGHT

10 kg

ART.NO. /EAN

Black: 147 242 / 40 18843 47242 3

White: 147 243 / 40 18843 47243 0



SIGNATURE SUB 730A

High-end subwoofer

PRINCIPLE

Powered bass reflex subwoofer, down-fire

DRIVERS

1 x 12" powered subwoofer

POWER HANDLING (RMS/MAX)

190 / 380 watts

FREQUENCY RESPONSE

19 – 200 Hz

CROSSOVER FREQUENCIES

40 – 120 Hz adjustable

PHASE

0° - 180° adjustable

CABINET SURFACE

Front: Piano black / Cabinet: black satin
Front: Piano White / Cabinet: white satin

DIMENSIONS (WxHxD)

Cabinet: 400 x 525 x 450 mm

Cabinet dimensions incl. amplifier: 400 x 525 x 465 mm

WEIGHT

20.7 kg

ART.NO. /EAN

Black: 147 245 / 40 18843 47245 4

White: 147 246 / 40 18843 47246 1

