

Magnat®

Signature 900



MAGNAT SIGNATURE 900 – THE SERIES OF THE HIGH END CLASS



OUTSTANDING SOUND FOR MUSIC AND HOME CINEMA

- Newly developed Hi-Res reference class dual tweeter system
- Woofer-midrange with ceramic-aluminium membrane, aluminium die-cast baskets and magnetic stray field optimization
- Solid, multiply strutted MDF cabinet with lacquered baffle, amplitude and phase-optimised crossover; terminal also fit for heavy duty cables
- Matching XL home cinema center speaker with two 6.5" die-cast woofer-midranges, Hi-Res dual tweeter system and dispersion-optimised crossover
- Matching active subwoofer with digital amplifier plus 400 watts impulse, massive 12" die-cast driver, real time limiter and numerous setting options
- Finish: black piano lacquer or veneer macassar design



HI-RES AUDIO THANKS TO DUAL TWEETER SYSTEM.

The heart of the fabulous high-frequency reproduction is our new Hi-Res module with two, yes two fmax tweeters. A 30 mm dome with a particularly wide bead allows it to operate with a low crossover frequency and therefore connect perfectly to the mid-range unit. The additional 20 mm super dome tweeter is the basis for extended frequency response to beyond 50 kHz. It also displays excellent all-round dispersion characteristics. In this combination, the module is certified with the Hi-Res Seal by the Japan Audio Society.



OUTSTANDING SOUND FOR MUSIC AND HOME CINEMA

Handpicked components, unique Magnet technologies as well as a meticulous, elaborate development process guarantee unrivalled quality. Here, elaborate chassis with the latest technologies are combined with production quality that is second to none in this class.



ELABORATE CHASSIS TECHNOLOGY

All the components of the Signature 900 loudspeakers have been carefully selected, arranged and tuned in a time-consuming process. The chassis alone have undergone numerous measurements, always with the help of the laser-assisted Klippel measuring system in order to achieve absolute perfection.



EXTRAORDINARY TERMINAL

The high-quality internal wiring and the large connection panel with sturdy and encapsulated terminals guarantee reliable contact for large gauge high-quality cables. The spikes supplied with the package not only ensure secure positioning of the Signature 505, they can also be used for acoustic decoupling.

WOOFER & MIDRANGE:

- Generously vented die-cast aluminium baskets to prevent turbulence and compression effects
- Distortion-optimised magnet systems
- 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
- Solid ABS/aluminium decorative ring, fixed by eight screws

TWEETER & SUPER-TWEETER:

- Newly developed high-res tweeter module with two fmax Signature dome tweeters
- 30 mm dome tweeter with coupling volume, long-excursion drive and particularly wide surround for especially deep mid-tone coupling
- Additional 20 mm super dome tweeter for ideal omnidirectional sound distribution and extended reproduction up to 55 kHz
- Powerful neodymium ring magnet systems for excellent dynamics
- Special sound guides in the solid ABS/aluminium front panel for optimum dispersion characteristics



ENCLOSURE:

- Very sturdily constructed, multi-braced MDF enclosure in a timeless-modern design
- Noble high-gloss lacquered body (black version) or high-gloss lacquered real wood veneer (macassar version)
- Magnat Airflex port with large openings ensure an optimum bass response without ambient noise
- Removable fabric protection grille with optimum sound transmission and invisible magnet attachment height-adjustable, counter-locked solid metal spikes with replaceable tips for optimum stability on all floors
- Solid MDF base plate with black high-gloss lacquer
- Decoupling silicone feet and metal spikes included

CROSSOVER:

- Elaborate phase and amplitude-optimised APOC crossover
- High-quality interior cabling
- Large connection panel with sturdy and encapsulated terminals to guarantee reliable contact even with high-quality cables possessing large cross-sections
- Bi-wiring/bi-amping option, pre-installed cable bridges for single wiring

WOOFER:

- 300 mm high-power long-throw woofer with Klippel®-optimised magnet system
- Ventilated high-performance voice coil to guarantee highest operational reliability
- Coated and hardened paper cone guarantees deep-reaching reproduction with simultaneous pulse fidelity
- Solid ABS/aluminium decorative ring, fixed by eight screws

AMPLIFIER:

- Clearly arranged control panel made aluminium with large heatsink Toshiba power transistors
- Real-time Limiter for less distortion and to prevent surmodulation of the speaker
- Active frequency-response equalisation up to 200 Hz for easy integration into AV environments
- Low standby power consumption: <0.5 Watt

CABINET:

- „Front-fire“ construction
- Very sturdily constructed, multi-braced MDF enclosure in a timeless-modern design
- Noble high-gloss lacquered body (black version) or high-gloss lacquered real wood veneer (macassar version)
- Two-Airflex ports with rounded reflex opening for reducing wind noises

FEATURES:

- Volume and crossover frequency adjustable
- Switchable phase 0° / 180°
- Stereo low level inputs
- LFE input
- Automatic standby circuit
- Power switch



SIGNATURE 909

4 way, double bass, bass reflex

DRIVERS

2 x 8" woofer, 6.5" midrange, 1.2" dome-tweeter, 0.75" super-tweeter

POWER HANDLING (RMS/MAX)

280 / 500 watts

IMPEDANCE

4 – 8 ohms

FREQUENCY RESPONSE

22 – 55000 Hz

CROSSOVER FREQUENCIES

380 Hz/2400 Hz/17500 Hz

RECOMMENDED AMPLIFIER OUTPUT

> 30 watts

SENSITIVITY

93 dB

CABINET SURFACE

Piano black

Piano macassar

DIMENSIONS (WxHxD)

Cabinet: 260 x 1175 x 402 mm

Cabinet incl. feet and terminal: 335 x 1225 x 420 mm

WEIGHT

37 kg

ART.NO. /EAN

Black: 147 258 / 40 18843 47258 4

Macassar: 147 260 / 40 18843 47260 7

**SIGNATURE 905**

3.5 way, double bass, bass reflex

DRIVERS

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

POWER HANDLING (RMS/MAX)

190 / 340 watts

IMPEDANCE

4 – 8 ohms

FREQUENCY RESPONSE

23 Hz – 55000 Hz

CROSSOVER FREQUENCIES

320 Hz/2400 Hz/17500 Hz

RECOMMENDED AMPLIFIER OUTPUT

> 30 watts

SENSITIVITY

92 dB

CABINET SURFACE

Piano black

Piano macassar

DIMENSIONS (WxHxD)

Cabinet: 225 x 1010 x 352 mm

Cabinet incl. feet and terminal: 300 x 1060 x 370 mm

WEIGHT

24 kg

ART.NO. /EAN

Black: 147 254 / 40 18843 47254 6

Macassar: 147 256 / 40 18843 47256 0



SIGNATURE 903

3 way, bass reflex

DRIVERS

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

POWER HANDLING (RMS/MAX)

120 / 180 watts

IMPEDANCE

4 – 8 ohms

FREQUENCY RESPONSE

30 – 55000 Hz

CROSSOVER FREQUENCIES

2400 Hz/17500 Hz

RECOMMENDED AMPLIFIER OUTPUT

> 20 watts

SENSITIVITY

91 dB

CABINET SURFACE

Piano black

Piano macassar

DIMENSIONS (WxHxD)

225 x 370 x 352 mm

WEIGHT

9.3 kg

ART.NO. /EAN

Schwarz: 147 250 / 40 18843 17250 7

Makassar: 147 252 / 40 18843 17252 1

**SIGNATURE CENTER 93**

3 way, double bass, bass reflex

DRIVERS

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

POWER HANDLING (RMS/MAX)

140 / 200 watts

IMPEDANCE

4 – 8 ohms

FREQUENCY RESPONSE

32 – 55000 Hz

CROSSOVER FREQUENCIES

2400 Hz/17500 Hz

RECOMMENDED AMPLIFIER OUTPUT

> 20 watts

SENSITIVITY

91 dB

CABINET SURFACE

Piano black

Piano macassar

DIMENSIONS (WxHxD)

570 x 215 x 350 mm

WEIGHT

14 kg

ART.NO. /EAN

Schwarz: 147 262 / 40 18843 47262 1

Makassar: 147 264 / 40 18843 47264 5



SIGNATURE SUB 930A

Powered bassreflex subwoofer, front-fire

DRIVERS

1 x 12" powered subwoofer

POWER HANDLING (RMS/MAX)

220 / 440 watts

FREQUENCY RESPONSE

18 – 200 Hz

CROSSOVER FREQUENCIES

40 – 200 Hz adjustable

PHASE

0° - 180° adjustable

CABINET SURFACE

Piano black

Piano macassar

DIMENSIONS (WxHxD)

Cabinet: 400 x 570 x 510 mm

Cabinet dimensions incl. amplifier: 400 x 570 x 540 mm

WEIGHT

31.3 kg

ART.NO. /EAN

Black: 147 266 / 40 18843 47266 9

Macassar: 147 268 / 40 18843 47268 3

