

General



Providing the ultimate true-to-life sonic experience, SCHÖNBERG will bring the emotion of music to your home. Outstanding innovations and inventions transformed the task of developing optimum sound for near-wall-applications into an advantage: pure high-end sound performance without compromise.

The opportunity of an enlarged two-chambered cabinet volume for the drivers provided by SCHÖNBERG's height, together with the system of the prescribed transmission function filter with "outside the driver parts," created a synergy that allowed SCHÖNBERG to evolve into a true full-range system, being able to fulfill the demands of high-end audio reproduction with ease. The lower driver's upper frequency output is strategically tapered off as frequency increases whereas the upper mid-bass driver handles the full bass range as well as the midrange, thereby taking advantage of its close physical proximity to the unique (three-neodymium magnet construction) tweeter for improved integration between the two drivers. This complementary driver technology is perfectly supported by the stunningly shaped cabinet of SCHÖNBERG; a thoroughly thought-through masterpiece lacking parallel walls, to avoid internal standing waves, of remarkable rigidity, curved to optimize both stiffness and resonance control, so vital for natural sound. Self-evident is SCHÖNBERG's precisely CNC machined surfaces, finished with the highest grade bead-blasting and transparent anodizing. Its adjustable three-point, spiked stand provides for perfect decoupling and stability; developed for placing the speaker close to the wall for optimum performance and convenience.

SCHÖNBERG perfectly spans the sonic requirements for high-end two-channel systems, as well as the most sophisticated home theaters, while gracefully integrating into any listening room. Each detail of musical presentation is an illustration of our commitment to audio performance bettered only by the live experience.

Features



The opportunity of an enlarged cabinet volume for the drivers provided by SCHÖNBERG's height, together with the system of the prescribed transmission function filter with "outside the driver parts," created a synergy that allows SCHÖNBERG to produce especially deep bass response. Dual mid-bass drivers, working within a two-chambered system optimized for low bass performance, allowed SCHÖNBERG to evolve into a true full-range system, being able to fulfil the demands of high-end audio reproduction with ease. The upper mid-bass driver handles the full bass range as well as the midrange, thereby taking advantage of its close physical proximity to the unique tweeter for improved integration between the two drivers. The lower driver's upper frequency output is strategically tapered off as frequency increases. In this way, for bass reproduction, the larger surface area of the combined drivers allows for superior performance, while the upper frequencies gain advantage by being produced with the reduced surface area of a single driver. The resulting low frequency output is robust and unrestrained, yet delicacy and focus is maintained throughout the higher frequencies.



To provide maximum bass capacity with absolute authority, SCHÖNBERG features two bass-reflex ports of different lengths.



SCHÖNBERG features an adjustable four-point stand for perfect decoupling and stability. It was developed for optimum sonic results for a distance of 0 – 40 cm (0 – 15 inches) from the wall.

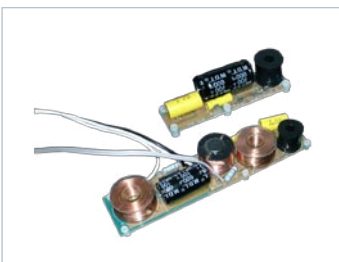
Features



To ensure the best possible appearance, the surface of SCHÖNBERG is treated with the highest grade of aluminium processing. After being precisely machined and CNC milled, all aluminum parts are bead blasted and transparently anodized. To maximize internal volume, we profited from the stiffness of aluminum to realize a slim walled cabinet. Furthermore, the aluminum panels are curved to optimize both stiffness and freedom from resonance, which is so crucial for natural sound. This curve means that while the average depth of the speaker is 50 mm (2 inches), it reaches a maximum point of 84 mm (3.3 inches) in the center of the arch. The extra available space in the middle of the cabinet allows for the use of physically deeper pure high-end mid-bass drivers. An additional benefit of SCHÖNBERG's shape is the lack of parallel walls, which avoids internal standing waves from adversely affecting performance. In extensive research we found out that it is vital not to use a single enclosed form in creating the box, but to break the cabinet into two separate elements connected by MDF, with additional damping strips between the MDF and the aluminum, in order to completely eliminate deleterious cabinet resonance.



With our flatspeakers, mid-bass drivers and crossover are created as one unit. By using this "outside the driver" concept in creating the mid-bass transducers, the crossover follows a prescribed transmission function as it relates to the design features of the woofer, which in turn was designed with the characteristics of the crossover in place. By designing both crossover and driver in tandem, it most efficiently and effectively provides an unbelievably rich foundation of bass regardless of the size of the cabinet. The results are astonishing, with bass performance of the same quality as speakers having three times the inner volume. At the same time the maximum acoustic output could be increased by fully 50%. Apart from this special filter configuration, the crossovers feature the same outstanding development and quality components which characterize all Vienna Acoustics speakers. The result for the listener is the pure pleasure of full frequency response that possesses a complete sense of ease and effortless at any volume level.



Features

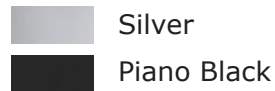


The tweeter is of a completely new design. Three neodymium magnets are center drilled, guiding the internal sound waves into a damping chamber, which itself is vented again to the outside world for complete control of internal pressure. Compression effects are thereby totally avoided, and the resonance frequency is lowered as a result with benefits for optimizing the tweeter's midrange contribution. The second of the three neodymium magnets is a "countermagnet" for total magnetic shielding, caused by its reversed magnetic stray-field. This enables the speaker to be placed next to any television monitor. The handcoated silk dome ensures perfect resolution of highest frequencies, and is protected by a non-detachable hexagon metal grille. The voicing of the speaker system as whole was accomplished with this grille in place so as to allow for the highest resolution with complete protection. A one-point-decoupling and mechanical isolation mounting system for the silicone damped tweeter cabinet ensures the performance benefits of these features, allowing high frequency reproduction of astonishing clarity and precision.



The silver plated binding posts are placed in the 16 mm or 6 inch wide border between the two aluminum walls, allowing it to be isolated from the cabinet and invisible to the eye.

Specs



System Type

Bass System
Frequency Response
Mid-Woofer

Tweeter

Shielding
Sensitivity
Impedance
Recommended Power
Weight per Speaker
Dimensions (WxHxD)

2 ½ way system
6/6/12 dB Bessel
Bass reflex
40 – 25.000 Hz
2 x 6" VA
Transparent XPP Cone
3-Magnet Neodym VA
Ventilated Chamber
Handcoated 1" Silk Dome
100%
91 dB
4 Ohms
30 – 200 Watts
13.5 kg / 30 Ibs
10.5x41.3x3.5"
268x1050x90mm

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