

Audiofilia AF-Speakers AF-S8 High end audio audiophile speakers

Drive units: 1x subwoofer Morel 9", 4x woofer Morel 6", 1x cone midrange Morel 5", 1x ribbon tweeter Fountek 5"

Tecnology: S-SYSTEM

Type: 4½ way hybrid

Frequency response: 16Hz – 50kHz

Sensitivity: 92 dB SPL (1W 2.83V / 1m)

Harmonic distortion: < 0,9% 31,5Hz - 50kHz

Impedance: 4 Ω

Connections: Gold plated, Tri-wiring / Tri-amp ready

Power Handling: 50W / 500W

Dimensions: H 1450 x W 400 x D 440

Finishes: Wood or Lacquered

Why the strings?

Like all of our speakers AF-S8 are made with harmonic woods, selected according to their molecular density, harmonic structure, vibrational ability and therefore sound emission. In the realization of the cabinet are so adopted the same luteristic expedients typical of a musical instrument. Soundboards referable to the external walls of the cabinet, transmitting their vibrations to the wrest-planks, multiply symbiotically and synergistically to the S system the vibrational capabilities and and therefore emissive of whole cabinet, consequently naturally interacting on all harmonics and sonic cluster of any reproduced instrument.

What is the purpose of the strings?

The internal wrest-plank mounts 5 musical strings of the low register while the external wrest-plank mounts 12 musical strings corresponding to the mid and acute register. According to the frequency emitted from the speaker, the strings internal and external concerning the low and high registers of the reproduced signal come into sympathetic vibration whenever the drivers of the speaker are in positive phase and instantly stopping when the drivers back in the negative phase (damping) respect to the transmitted signal. The set of strings and the particular tuning of the same, emit the same frequency of the drivers system of the speaker extending at the same time the harmonics, that otherwise would decay, for physical-mechanical factors inherent to any type of any amorphous speaker construction, to the 3rd harmonic. This innovative technology extends the AF-S8's vibrational capabilities to the reproduction of all harmonics till to the 13th of every played note (musical notes however inaudible but resulting in the listener as sound breath and scenic depth), still present in the primary recorded signal and difficult to reproduce by a conventional system of loudspeakers.

One intuits how the wrest-planks and the strings in no way affect the timbre of any played instrument, much less the frequency range of the speaker, which alone is already able to naturally reproduce throughout the humanly audible frequency range, but exclusively on the harmonics of the emitted frequencies.

How they must be tuned?

The tuning of the strings expected the following scheme:

Low strings: B - E - A - D - G (Lowest octave)

High strings: Middle octave: C - F - G, Highest octave: D - A - B (first series of six al fronte), Middle octave: D ♭ - G ♭ - A ♭, Highest octave: E ♭ - B ♭ - C (second series of six alla coda).

All these notes form a cluster including all harmonics of the equal temperament.

The process of the tuning strings is something very simple to be made with the electronic tuner bundled with the AF-S8. Like any stringed musical instrument, the tuning mentioned above must be controlled in time and if necessary adjusted.

Placement in the listening environment

The AF-S8 speakers system provides an obliged placement in the listening environment. Providing an objective and non-interchangeable right speaker and left speaker relative to the listening position.

How they affect the final sound?

The AF-S8 with the wrest-planks and strings system return to the listener an extraordinarily musical and extremely natural sound, comparable only to the sound of any "live" event. The listener will experience of a sound real, natural, deep and material, never heard before from a "normal" speakers system, with sounds, as someone said, "that never ending"....