FS 247: Perfect in sound and design

The FS 247 is the centrepiece of the new 240 product range. It has been subjected to the highest standards, in terms of graceful appearance and stunning sound. Special attention has been given to three-dimensional sound radiation patterns with the aim of acoustically "energizing" the room in a consistent and harmonised way.

To this end, ELAC has developed new transducer systems for the bass and midrange, and has calibrated the crossover frequency to optimise sound radiation characteristics across the entire frequency range. The result is a uniquely precise and musical three dimensional soundscape.

Technical features and characteristics:

In the treble, ELAC uses its class leading JET tweeter, recognised worldwide as one of the very finest available. Its internal design has been reworked, which has resulted in an even more linear frequency response and improved harmonic distortion

- A key new feature is an acoustic tuning element made from porous foam called the "JET DC" (JET Dispersion Control) This allows the treble to be adapted to particular room settings – especially for hall-like spaces with a lot of glass, wood floors, etc. The JET DC incorporates both a directional characteristic as well as a frequency response correction, so that instruments and voices can be pinpointed precisely - even in difficult room settings with many reverberant surfaces.

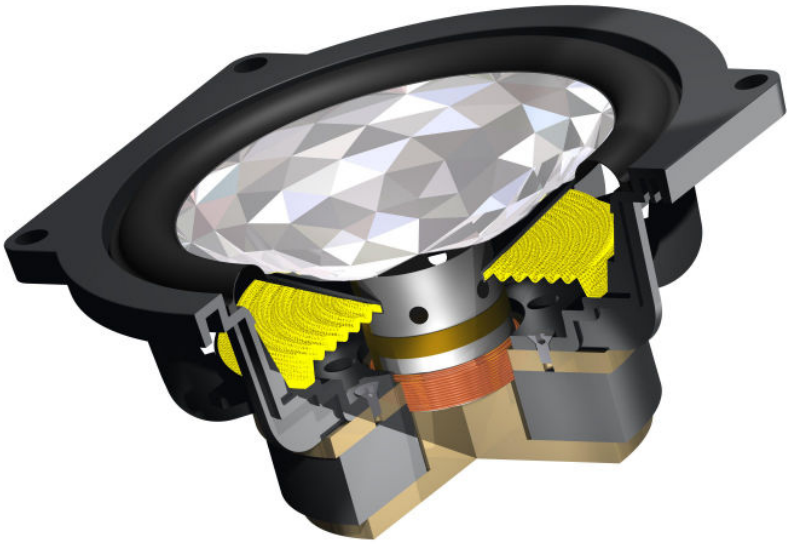
ELAC

FS 247

Product Information

- The design of the new patent-pending woofer is based on the renowned ELAC aluminium sandwich technology which, by combining the different resonant characteristics of cellulose and aluminium, leads to a marked reduction in harmonic vibrations.

- The crystal-like surface of the new aluminium membrane catches both the eye & the ear. Harmonic vibrations are significantly reduced by the angled crystaline surface structure. In addition, by using a press formed structure, the membrane is more rigid and has lower distortion which not only prevents partial vibrations in the crossover zone but also reduces harmonic distortion.



- Due to the high rigidity of the aluminium membrane, it is now possible to attach the solenoid not only to the cone neck but also directly to the aluminium membrane. This significantly extends the cone's bandwidth right across the frequency range giving a noticeably more even & continuous frequency response. This also endows vocals with a smoothness & articulation which is truly riveting.

- Each FS 247 is equipped with 2 bass reflex tubes. One radiates sound toward the back, one downward onto the base plate. This arrangement allows for deeper bass tuning and can also be used as an acoustic low-pass filter. The rear projection bass reflex tube comes closed off with a bass control plug. By removing it, the bass reproduction can be intensified.

- The FS 247's beautifully built cabinet features massive internal bracing to minimise resonances.

- High-quality ELAC bi-wiring terminals are used with separate connections for bass and middle/treble drivers. The angled adapter terminations are easily accessible and are especially suitable for larger cables (16 mm²) and high-quality spade terminals (e.g. WBT products).

- The FS 247 is equipped with an elegant base plate and easily adjustable ELAC spikes/rubber feet. For acoustic reasons, since one of the bass reflex openings radiates sound downwards, the base plate must be securely fitted before use.

***Versions**: Mocha, Cherry Veneer, Black High Gloss*

Specifications ELAC FS 247

Dimensions Height (with/without base plate/spikes) Width (with/without base plate) Depth (with/without frame/base plate)	935/993/1021 170/220 270/285/320 mm	Crossover Frequeny	450/2500 Hz
Weight	16kg	Nominal Power Handling	120 W
Type		Peak Power Handling	160 W
Woofer	2 x 150 mm AS-XR cone	Frequency Range	30 - 50000 Hz
Midrange		Sensitivity	89 dB/2.8V/m
Tweeter	JET III	Nominal impedance	4 ohms
Rec. Amplifier Power at Nominal Impedance	30 – 250 W / Channel	Minimum impedance	3.4 ohms at 210 Hz