

BS 243: Performs like a large speaker

ELAC

BS 243

Product Information



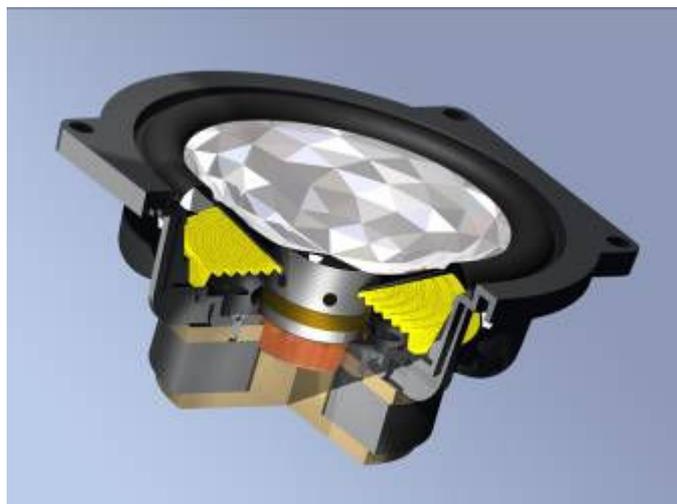
In order to make the musical imprint of this compact monitor as true to life as possible, special attention was given to the three-dimensional sound radiation pattern, so that the room is acoustically “energised” in a consistent & harmonised way.

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.

The BS 243 is particularly well suited for positioning near a wall on a shelf or on a dedicated stand. It is designed to work either in small or medium-sized living areas as a Hi-Fi stereo speaker; or alternatively in large spaces as rear effects speakers in a surround-sound system.

When the BS 243's are used in a surround sound system the digital AV amplifier's output, should be set to “LARGE”. However, when very high volume is required it is better to set the output to “SMALL” and set the corresponding crossover frequency to a maximum of 50 Hz.

Technical features and characteristics:



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 crystalline 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.



- 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.

- The cabinet is ported with a bass reflex tube with optimally curved openings to prevent ventilation noise.
- To fine-tune the bass, there is a two-part bass control plug. This allows the bass reflex tube to be closed, in two stages, helping reduce excessive bass caused by room acoustics such as when the speaker is placed near a wall. This allows easy bass adjustment to suit your individual preference.



- 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).
- On the bottom of the cabinet, there is an M4 threaded insert so the BS 243 can be attached to LS 70 speaker stands, which are available as an accessory.

Finishes: Mocha, Cherry Veneer, Black High Gloss

Specifications ELAC BS 243

Dimensions Height x Width x Depth (with/without/ frame)	285 x 170 x 220/232 mm	Crossover Frequency	2700 Hz
Weight	5.2 kg	Nominal Power Handling	60 W
Type	2-way, bass reflex	Peak Power Handling	80 W
Woofer	150 mm AS-XR cone	Frequency Range	41 - 50000 Hz
Midrange	--	Sensitivity	87 dB/2.8V/m
Tweeter	JET III	Nominal Impedance	4 ohms
Rec. Amplifier Power at Nominal Impedance	30 – 150 W / channel	Minimum Impedance	3.6 ohms at 240 Hz