

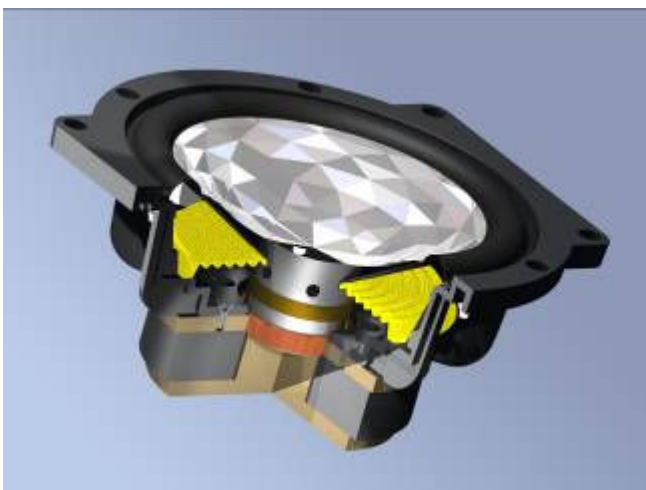
BS 244: A pure delight



The BS 244 contains all of the knowledge, all of the virtues of ELAC's long tradition of compact speaker construction because for many years it has been the ELAC engineers' aim to reproduce the "greatest possible sound" from the most compact enclosures. In order to make the sound as true to life as possible, special attention has been given to three-dimensional sound radiation 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 244 sounds perfectly at home on a cabinet or shelf and can also be placed on dedicated speaker stands where its full sound quality is free to unfold. When placed near a wall or on a shelf, it is recommended in most cases

that the bass reflex tube be closed with the bass control plug. In surround-sound operation where the BS 244 is used as the main or rear effects loudspeakers – the digital AV amplifier's output should be set to "LARGE". Should additional bass support be desired through an active subwoofer the setting should be changed to "SMALL" and the associated crossover frequency set to a maximum of 50 Hz. If the crossover frequency cannot be set this way, the BS 244 should not be set to "SMALL".



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.

ELAC

BS 244

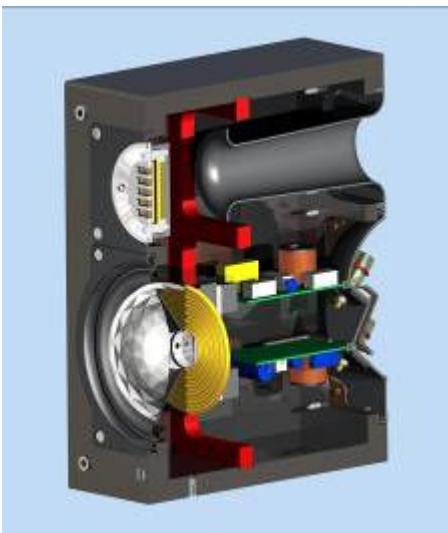
Product Information



- 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.

- The BS 244's cabinet features an internal bracing ring to minimise resonances.
- On the bottom of the cabinet, there is an M4 threaded insert so the BS 244 can be attached to LS 70 speaker stands, which are available as an accessory.
- 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).



Versions: Mocha, Cherry Veneer, Black High Gloss

Specifications ELAC BS 244

Dimensions Height x Width x Depth (with/without/ frame)	330 x 200 x 270/282 mm	Crossover Frequency	2600 Hz
Weight	8.5 kg	Nominal Power Handling	80 W
Type	2-way, bass reflex	Peak Power Handling	120 W
Woofer	180 mm AS-XR cone	Frequency Range	38 - 50000 Hz
Midrange		Sensitivity	88 dB/2.8V/m
Tweeter	JET III	Nominal impedance	4 ohms
Rec. amplifier Power at Nominal Impedance	30 – 200 W / Channel	Minimum impedance	3.5 ohms at 190 Hz