

BS 243: a limited edition



For fans of special editions, ELAC is producing two thousand examples of this excellent loudspeaker, which has come out on top in tests worldwide and won numerous international prizes and awards, and also incorporated some additional technical refinements.

The new upmarket version with its high-gloss cherry wood cabinet exudes pure elegance in design and sound quality. But it is not only the outside of the limited edition that has been enhanced.

The network has been equipped with top-class components and the internal wiring has been carried out with Van den Hul cables. All the technical refinements, which of course all come from ELAC's own in-house development and

production facilities, deliver an extraordinarily natural and expansive soundscape. This is a collector's piece that you just have to have.

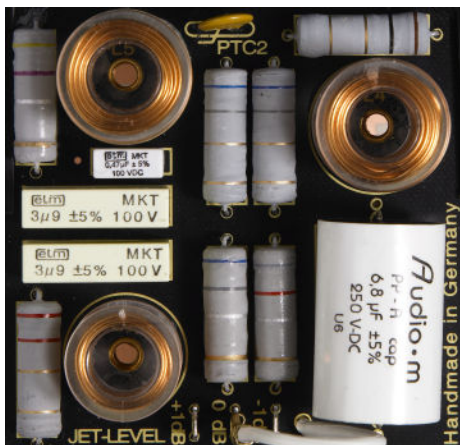
Technical features and characteristics:



Components are used in the BS 243 Limited Edition that simply would not be feasible in a standard production run. For example, only air-core inductors are used, which cannot be magnetically saturated and therefore operate without any distortion. They are ideal for short-term extremely high loads. Peak power fidelity is unbeatable as a result.

The large air coil in the crossover network for the woofer is mounted on a separate board, so that optimum heat dispersal is guaranteed under extreme loads.

The large white foil condenser in the high-frequency section of the crossover network is wound from polypropylene (PP-A), and not from polyester or even electrolytic foil as is usual in standard products. For that reason it offers an extremely long service life and durability.



One other example of the extremely high-quality materials are the metal-free internal cables of "Skyline Hybrid" type from the well-respected Dutch brand Van den Hul. The use of "Linear Structured Carbon® (L.S.C.)" sets benchmarks in the eternal battle against the ageing of wires containing metal.

The picture is rounded off by sophisticated ELAC bi-wiring terminals. The angled adapter terminals are easily accessible and are especially suitable for larger-diameter cables (16 sq mm) and high-quality spade terminals (e.g. WBT products).

BS 243 LE

Product Information

FINEST GERMAN ENGINEERING

ELAC

Particular attention has been given to three-dimensional sound emission, as in the case of the "Classic BS 243 model", with the result that the room is evenly filled with sound.

The BS 243 LE 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 a rear effects speaker in a surround-sound system.



- The design of the woofer is based on the renowned ELAC aluminium sandwich technology. The crystal-like surface of the new aluminium membrane catches both the eye & the ear. Distortions are significantly reduced by the angled crystalline surface structure. In addition, by using this press-formed structure, the membrane is more rigid, 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 possible to attach the voice coil not only to the cone neck but also directly to the aluminium membrane. This

significantly extends the frequency range of the woofer. It also endows vocals with a smoothness & articulation which is truly riveting.

- In the high-frequency range, 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 also improving distortions.
- The "JET-DC" acoustic tuning element made of open-cell foam was designed for adaptation to auditoria with particularly strong echoes.
- The cabinet is ported with a bass reflex tube with optimized curved openings to prevent ventilation noises.
- 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 very near to a wall.
- On the bottom of the cabinet, there is an M4 threaded insert so the BS 243 LE can be attached to LS 70 speaker stands, which are available as an accessory.



Finishes: Cherry High Gloss, Black High Gloss

Specifications

Dimensions Height x Width x Depth (without/with frame)	285 x 170 x 220/232 mm	Crossover frequency	2,700 Hz
Weight	5.5 kg	Nominal power handling	60 W
Type	2-way, bass reflex	Peak power handling	80 W
Woofers	150 mm AS-XR cone	Frequency range	41 - 50,000 Hz
Mid-range	--	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