

JBL® LS Series

LS80 – 3-1/2-way, dual 200mm (8") floorstanding loudspeaker



The LS Series establishes a new standard for high-end JBL® horn-loaded speaker systems. Attention to detail, from exceptional acoustical engineering to high-quality craftsmanship, is a hallmark of the LS Series, which continues the JBL tradition of audio excellence. Each LS Series passive loudspeaker features a compression driver mounted in a patented Bi-Radial® horn, which provides rich, full sound and a defined soundstage. And the LS Series's elegantly proportioned, beautifully crafted cabinets feature high-gloss wood panels in black or mahogany, making them a welcome addition to any décor.

Highlights

- >> 3-1/2-way, dual 200mm (8") floorstanding speaker with horn-loaded UHF and HF transducers
- >> Features 176Nd compression driver mounted in a patented JBL Bi-Radial horn
- >> Rich, detailed sound with precise sound imaging
- >> High-quality cabinet with beautifully polished, high-gloss wood panels
- >> Metal spikes and coasters are supplied with the speakers
- >> Dual gold-plated, binding-post speaker terminals, bi-wirable

Key Specifications

- >> The compression driver is mounted in a patented JBL Bi-Radial horn for rich, full sound and a defined soundstage
- >> High-quality cabinet
- >> Beautifully polished, high-gloss wood panels
- >> Ultrahigh-frequency transducer: horn-loaded 19mm (3/4") polyester-film ring radiator with frequency response to 40kHz
- >> High-frequency transducer: 50mm (2") pure-titanium compression driver with diamond surround, powerful neodymium-iron-boron magnet and lightweight aluminum voice coil mounted in a Bi-Radial horn
- >> Low-frequency transducer: dual 200mm (8") pulp cone with powerful neodymium-iron-boron magnet and cast-aluminum frame
- >> Staggered-crossover network design, which allows top woofer to cross over to HF compression driver for smoother transition of directivity with balanced sound across the listening area
- >> Metal spikes and coasters are supplied with the speakers
- >> Dual gold-plated, binding-post speaker terminals, bi-wirable

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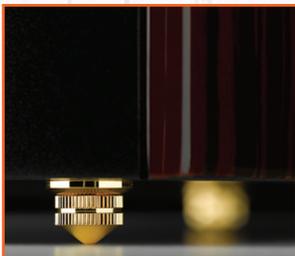
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Specifications

- >> Frequency response (-10dB): 35Hz – 40kHz
- >> Frequency response (-3dB): 46Hz – 38kHz
- >> Power handling (continuous): 100W
- >> Power handling (music): 200W
- >> Power handling (peak): 400W
- >> Max. rec. amplifier power*: 200W
- >> Sensitivity (2.83V/1m): 90dB
- >> Crossover frequencies: 400Hz; 6dB/octave**; 2.5kHz; 8kHz; 24dB/octave
- >> Nominal Impedance: 6 ohms
- >> Low-frequency transducers: dual 200mm (8") with cast-aluminum frames
- >> High-frequency transducer: 50mm (2") pure-titanium compression driver; Bi-Radial® horn
- >> Ultrahigh-frequency transducer: 19mm (3/4") polyester-film ring-radiator; neodymium magnet; EOS waveguide
- >> Dimensions (H x W x D): 1104mm x 259mm x 418mm (43-1/2" x 10-3/16" x 16-1/2")
- >> Dimensions with feet and pad (H x W x D): 1117mm x 259mm x 418mm (44" x 10-3/16" x 16-1/2")
- >> Weight per speaker (net weight): 35.6kg (78.5 lb)

* The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum power levels.

** High-pass crossover for one of the two low-frequency transducers only.



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