

JBL® LS Series

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



A new standard

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 passive LS Series loudspeaker features a compression driver mounted in a patented Bi-Radial® horn, which provides rich, full sound and a defined soundstage. And the Series elegantly proportioned, beautifully crafted cabinets feature high-gloss-ebony wood panels, making them a welcome addition to any décor.

Highlights

- 3-1/2-Way dual 8" (200mm) floorstanding speaker with horn-loaded UHF and HF
- 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-ebony wood panels
- Metal spikes and coasters are supplied
- 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-ebony wood panels
- Ultrahigh-frequency transducer: Horn-loaded 3/4" polyester-film ring radiator with frequency response past 40kHz
- High-frequency transducer: 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 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, and balanced sound across the listening area
- Metal spikes and coasters are supplied
- Dual gold-plated binding-post speaker terminals, bi-wirable

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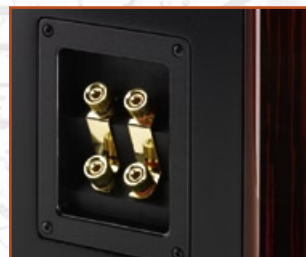
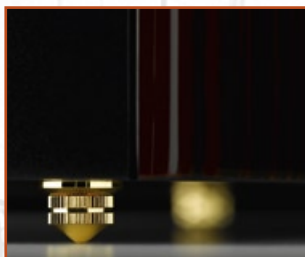


Specifications

- 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 8" (200mm) with cast-aluminum frames
- High-Frequency Transducer: 2" (50mm) Pure-titanium compression driver; Bi-Radial® horn
- Ultrahigh-Frequency Transducer: 3/4" (19mm) Polyester-film ring-radiator; neodymium magnet; EOS waveguide
- Dimensions (H x W x D): 43-1/2" x 10-3/16" x 16-1/2" (1104mm x 259mm x 418mm)
- Dimensions With Feet and Pad (H x W x D): 44" x 10-3/16" x 16-1/2" (1117mm x 259mm x 418mm)
- Weight per Speaker (net weight): 78.5 lb (35.6kg)

* 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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