

JBL Loudspeaker Systems

traditional craftsmanship
for today's performances...





L220



L212



L150

JBL Floor-Standing Loudspeaker Systems

Floor-standing designs allow a no-compromise approach to sound reproduction. The larger enclosure volume permits improved bass response without any sacrifice in efficiency; the larger systems actually offer more bass *and* greater efficiency. Bass can be more powerful as well as deeper, and floor-standing systems are designed to reach higher volume levels in larger rooms. Choose a JBL floor-standing system, and you'll get the best possible sound in your home.



D44000 Paragon

D44000 Paragon Firmly established as a classic of acoustic and visual design, the Paragon has enjoyed perennial acclaim since its introduction in 1957. Each half of this complete stereo loudspeaker system contains massive component drivers, and the center convex panel refracts the output of the midrange horns to create a panoramic stereo image. Speakers: Two 380 mm (15 in) low frequency; two midrange compression drivers/horns; two high frequency ring radiators.

L300 The L300 is a home version of one of JBL's most successful large studio monitors. As such, it is accurate, extremely efficient, and easily handles large power inputs; it can reach tremendous volume levels. The L300 is also among the best examples of JBL's woodworking craftsmanship, and the handsome smoked-glass top adds elegance to any decor. Speakers: 380 mm (15 in) low frequency; midrange compression driver/horn/acoustic lens; high frequency slot-loaded ring radiator. Grille colors: black, blue, brown, camel.

L220 Every facet of the L220's design enhances a central concept: alignment of the acoustic centers of the drivers while retaining a flat baffle panel. This array gives the L220 exceptional accuracy and realism; frequencies are heard in precisely the same relationship as they were recorded, resulting in astonishing depth of image. Speakers: 355 mm (14 in) low frequency; 380 mm (15 in) passive radiator; 130 mm (5 in) midrange with acoustic lens; high frequency ring radiator/exponential horn. Grille colors: brown, tan.

L212 An advanced, uncompromising loudspeaker system. The left and right channel columns provide exceptionally smooth frequency response with superb stereo imaging and dynamic range. A third unit, the Ultrabass, handles the non-directional frequencies below 70 Hz. The Ultrabass contains its own equalized amplifier and reproduces the lowest fundamentals with accuracy, power, and control. Total system response of the L212 is down only 2 dB at 25 Hz and 30 kHz! Speakers: 300 mm (12 in) Ultrabass with amplifier; 200 mm (8 in) low frequency; 130 mm (5 in) midrange; 25 mm (1 in) high frequency dome. Grille color: black.

L150 JBL's latest model incorporates a newly developed low frequency system, the result of over two years of research. Used in conjunction with the L150's passive radiator, this driver produces bass that is not only powerful and deep, but exceptionally distortion-free. The L150's smooth, transparent sound extends from the lowest organ tones to the limits of audibility. Speakers: 300 mm (12 in) low frequency; 300 mm (12 in) passive radiator; 130 mm (5 in) midrange; 25 mm (1 in) high frequency dome. Grille colors: brown, rust, camel.

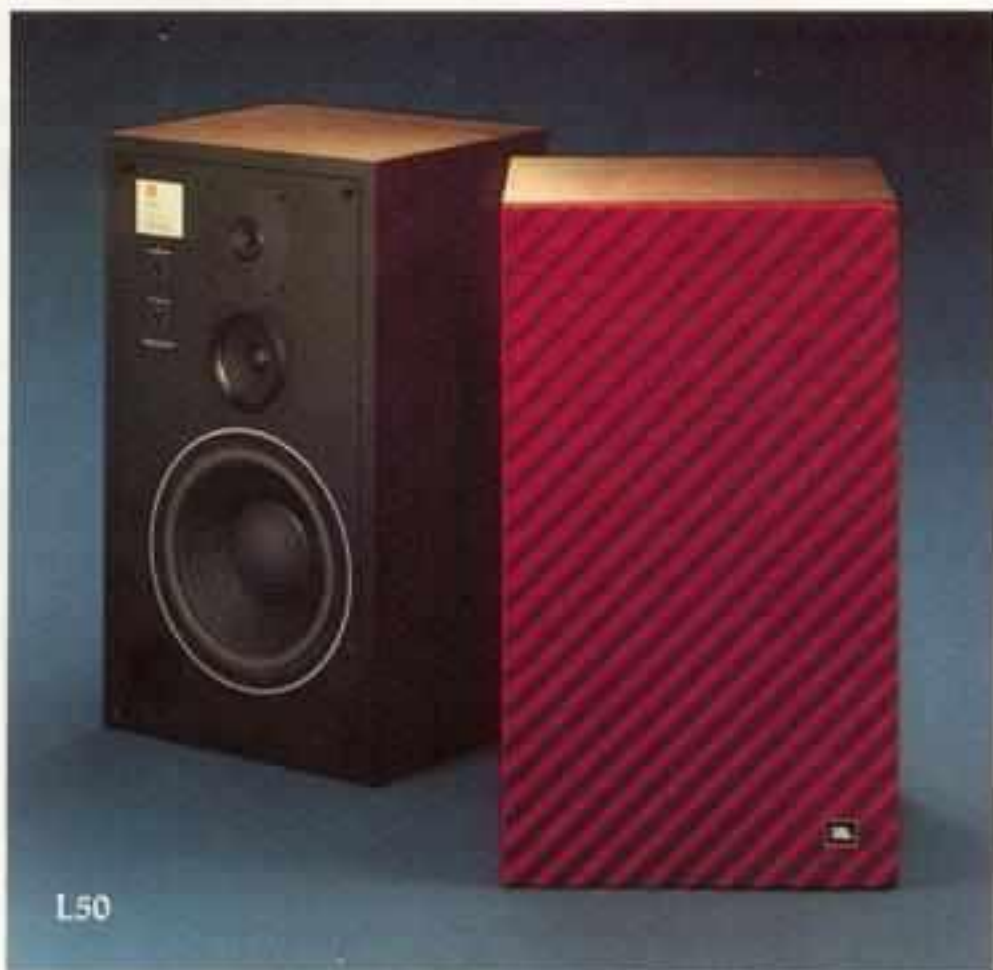


L300

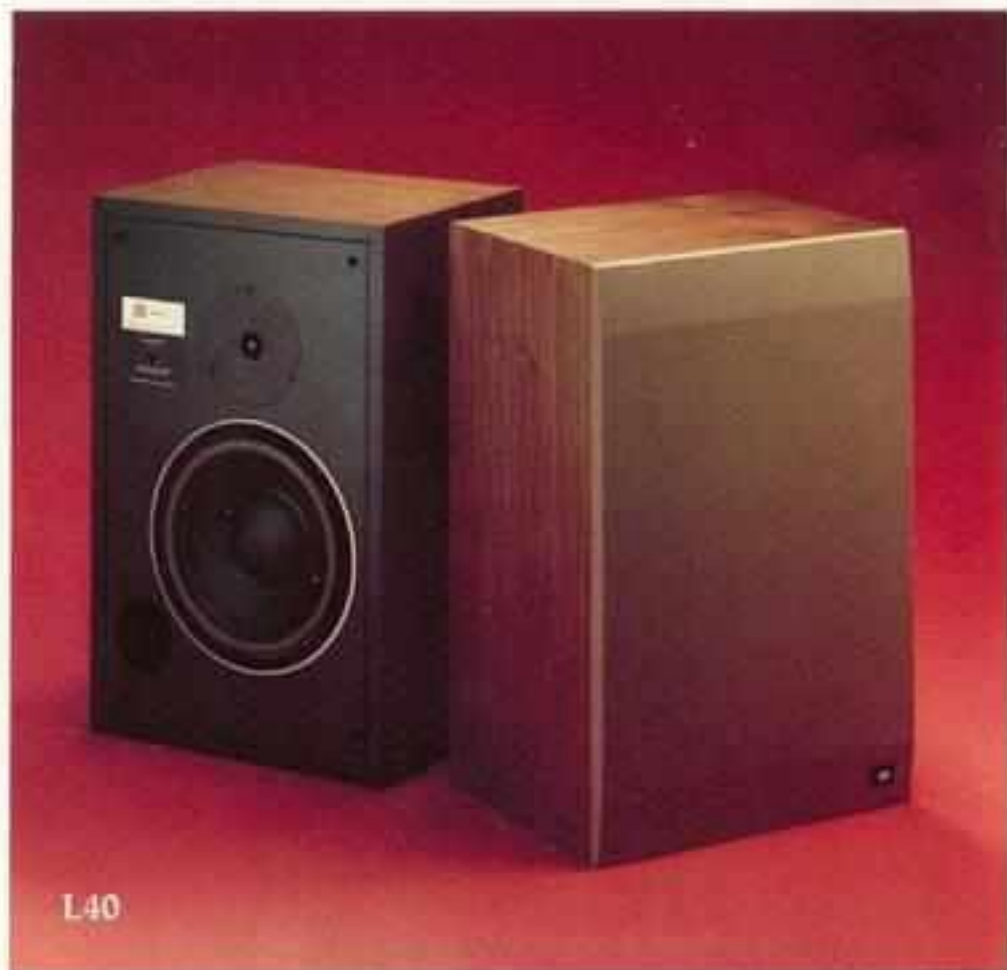
L50 This advanced three-way loudspeaker offers impressive efficiency and power handling. The midrange cone is acoustically isolated for cleaner response, and the alignment of the drivers improves stereo imaging. Speakers: 250 mm (10 in) low frequency; 130 mm (5 in) midrange; 40 mm (1½ in) high frequency. Grille colors: blue, brown, rust.

L40 New techniques in computer simulation were applied to create and refine the L40. The uniquely damped woofer produces superior bass, and a high frequency dome radiator combines extended response with excellent dispersion. Speakers: 250 mm (10 in) low frequency; 25 mm (1 in) high frequency dome. Grille colors: brown, rust, tan.

L19 This two-way system is the acoustic twin of a popular JBL professional monitor, developed for broadcast control rooms. Its performance belies the modest size: bass is clean and tight, the sound has a very "open" quality, and the L19 can reach potent volume levels. Speakers: 200 mm (8 in) low frequency; 40 mm (1½ in) high frequency. Grille color: brown.



L50



L40

L110 JBL's top-of-the-line bookshelf model has been highly acclaimed by leading reviewers. This exceptionally accurate speaker provides smooth, natural sound at any volume; a specially designed woofer, more powerful than most 12-inch models, is perfectly matched to the enclosure for deep, tight bass. A sophisticated crossover network and the vertical driver array contribute to the L110's overall excellence. Speakers: 250 mm (10 in) low frequency; 130 mm (5 in) midrange; 25 mm (1 in) high frequency dome. Grille colors: black, blue, brown.



L110



L19

JBL Bookshelf Loudspeaker Systems

If space is your consideration, JBL's bookshelf models are the answer. These four loudspeaker systems offer studio-quality reproduction, very low distortion, and excellent bass response for such moderately sized enclosures.



...engineered to meet tomorrow's demands.

Advanced engineering. Wide frequency response and dynamic range. Precision manufacturing. Qualities that make JBL speakers the choice of professionals around the world. These same qualities make JBL the best choice for you. The best value in today's cost-conscious economy.

JBL starts with advanced engineering. Every new model is the result of intensive research, exhaustive laboratory tests—and many listening evaluations. Only when a system achieves its original design objectives do we produce it.

Some of these specific objectives vary from model to model, but we design all our loudspeakers to the same demanding criteria—top quality and outstanding performance.

JBLs feature wide frequency response. Wide enough to preserve the full harmonic structure of every note, so you'll hear music exactly the way it was meant to be heard.

JBLs are efficient. Small amounts of amplifier power will drive them to very loud levels. Such efficiency, combined with an ability to handle lots of power, gives JBL speakers the great dynamic range needed to play at live-performance or studio listening levels.

JBL styling is distinctive and contemporary. Enclosures are finished in fine, hand-rubbed walnut veneers. Grilles enhance the total appearance. JBL speakers look good in any room.

JBL craftsmanship means that we manufacture speakers as carefully as we design them. We use only the best materials, and we carefully control every step of the construction from machining and voice-coil winding to enclosure finishing, final assembly, and packing. Everything is done in our modern California facility.

The results of this engineering and craft leadership are the JBL speaker systems in this catalog, unique combinations of modern technology and traditional craftsmanship.

A Note About Our Specifications

Amplifier power: Any JBL loudspeaker system will produce comfortable sound levels with an amplifier having as little as 10 watts per channel. However, for the best possible performance, we recommend a more powerful amplifier, one with the reserve power necessary for accurate reproduction of *transients*—momentary peaks that can require ten or more times the average power level. Use our power recommendation as a guideline in choosing an amplifier. Minor differences from the specified power ratings (for instance, a 275-watt amplifier with a 250-watt speaker rating) are not significant.

Sensitivity: Our sensitivity figure is the sound pressure level (volume) produced by a speaker with a 1-watt input, measured at a distance of 1 metre (3.3 feet) in front of the speaker (on axis). The higher the number, the more efficient the loudspeaker. To fully understand the dB figures, consider that a 75 to 80 dB sound pressure level is a comfortable listening volume. A 3 dB increase in volume is a noticeable increase; a 10 dB increase is perceived as twice as loud. (Live performance levels in a symphony concert can reach 110 dB at the conductor's podium.)

	L19	L40
Maximum Recommended Amplifier Power	100 watts per channel	150 watts per channel
Crossover Frequency	2.5 kHz	1.8 kHz
Sensitivity	87 dB SPL, 1 watt, 1 metre	88 dB SPL, 1 watt, 1 metre
Nominal Impedance	8 ohms	8 ohms

	L50	L110
Maximum Recommended Amplifier Power	200 watts per channel	250 watts per channel
Crossover Frequencies	800 Hz, 3 kHz	1 kHz, 4 kHz
Sensitivity	88 dB SPL, 1 watt, 1 metre	89 dB SPL, 1 watt, 1 metre
Nominal Impedance	8 ohms	8 ohms

	L150	L220
Maximum Recommended Amplifier Power	300 watts per channel	400 watts per channel
Crossover Frequencies	1 kHz, 4 kHz	800 Hz, 5 kHz
Sensitivity	88 dB SPL, 1 watt, 1 metre	90 dB SPL, 1 watt, 1 metre
Nominal Impedance	8 ohms	8 ohms

	L300	Paragon
Maximum Recommended Amplifier Power	400 watts per channel	200 watts per channel
Crossover Frequencies	800 Hz, 8.5 kHz	500 Hz, 7 kHz
Sensitivity	93 dB SPL, 1 watt, 1 metre	96 dB SPL, 1 watt, 1 metre
Nominal Impedance	8 ohms	8 ohms

	L212
Maximum Recommended Amplifier Power	300 watts per channel
Crossover Frequencies	70 Hz, 800 Hz, 3 kHz
Sensitivity	91 dB SPL, 1 watt, 1 metre
Nominal Impedance	8 ohms

JBL continually engages in research related to product improvement. New materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.



James B. Lansing Sound, Inc.,
8500 Balboa Boulevard,
Northridge, California 91329 U.S.A.