



**JBL**

**ES SERIES  
SPEAKER SYSTEMS**  
HIGH-DEFINITION AUDIO

®



**SHARPER, CLEANER, HIGH-DEFINITION PICTURES  
DESERVE SHARPER, RICHER, HIGH-DEFINITION SOUND.**

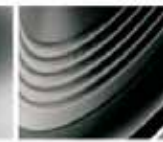


**HEAR WHAT YOU'VE BEEN MISSING WITH THE JBL® ES SERIES.** HDTV and the new HD-DVD and Blu-ray Disc™ formats deliver video images that are up to six times sharper than the best the 20th century had to offer. But these extraordinary new pictures are meant to be experienced with up to 7.1 channels of high-quality sound (which actually improves most people's perception of the picture itself). With the versatile new ES Series, high-definition video meets high-definition audio, and a new era of high-impact home entertainment comes of age.

**FOR ADVANCED, SIT-ANYWHERE 5.1- AND 7.1-CHANNEL HOME THEATER SYSTEMS,** as well as good-old-fashioned, best-seat-in-the-house music systems, the ES Series offers a variety of bookshelf, wall-mount and floorstanding loudspeakers, and bring-down-the-house powered subwoofers. With innovative technologies derived directly from JBL Professional equipment, the ES Series delivers powerful, accurate audio performance in systems that are built to play loud and long. And with three finishes to choose from – black, beech and cherry – they're designed to look good anywhere, with a style that equals their substance.



**HIGHER HIGHS**  
With UHF drivers capable of 40kHz, ES Series speakers deliver high-end nuances you probably have never before experienced in recorded audio.



**STIFFER CONES**  
JBL reinforces ES Series cellulose-fiber cones with a polymer coating for uniform pistonic motion, eliminating internal resonances without increasing cone mass. That delivers tighter, more precise bass.



**BETTER IMAGING**  
Originally developed for professional LSR studio monitors, JBL's proprietary EOS waveguides evenly disperse high frequencies, delivering more precise imaging over a wider listening area.



**GREATER ACCURACY**  
The extremely thin yet extremely rigid titanium-laminate dome ensures accurate, undistorted high-frequency response, even at realistic (meaning loud) listening levels.



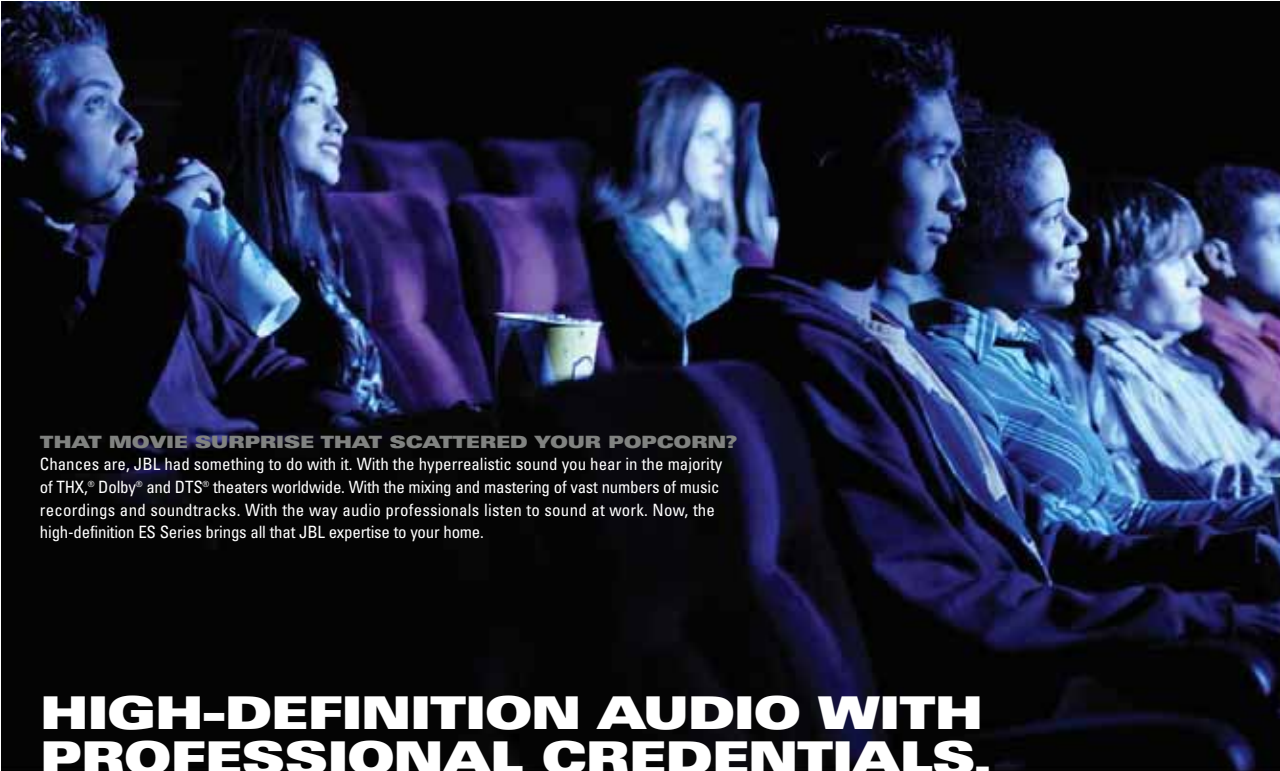
**TIGHTER BASS**  
ES Series loudspeakers and powered subwoofers feature JBL's computer-optimized bass-reflex port, which extends deep bass response while eliminating unwanted turbulence.



**LESS DISTORTION**  
The ideal path from input through components to transducers is a straight line, and all ES Series speakers take the shortest path possible. But they also employ bypass capacitors to minimize noise and signal loss.

**REALISTIC, FULL-SPECTRUM SOUND FROM SLEEK, UNOBTRUSIVE LOUDSPEAKERS.**





**THAT MOVIE SURPRISE THAT SCATTERED YOUR POPCORN?**

Chances are, JBL had something to do with it. With the hyperrealistic sound you hear in the majority of THX,® Dolby® and DTS® theaters worldwide. With the mixing and mastering of vast numbers of music recordings and soundtracks. With the way audio professionals listen to sound at work. Now, the high-definition ES Series brings all that JBL expertise to your home.

**HIGH-DEFINITION AUDIO WITH PROFESSIONAL CREDENTIALS.**

**FROM MOTION PICTURE SOUND TO HI-FI TO HIGH-DEFINITION AUDIO: A BRIEF HISTORY OF JBL.**

**NYLON STOCKINGS, FILM NOIR, THE DAWN OF AUDIO.**

James B. Lansing, who led the team that first brought sound to movies, strikes out on his own, founding JBL. Among the company's first products, is a high-frequency transducer that's still being used by audio professionals today, unchanged after more than 60 years.

**BLUE SUEDE SHOES, MCCARTHY, THE ELECTRIC GUITAR.**

JBL establishes itself as the clear leader in studio and theater sound. Leo Fender chooses JBL's D130 transducer to amplify his electric guitar. The pioneering JBL Hartsfield speaker introduces true high fidelity to homes everywhere.

**MUSCLE CARS, WOODSTOCK, SPACE.**

JBL introduces the legendary 4320 speaker, the definitive studio monitor of its day. After Woodstock in 1969, JBL becomes standard equipment at rock concerts around the world.

**POLYESTER, WATERGATE, SATURDAY NIGHT FEVER!**

JBL studio monitors rank Number One by *Billboard* magazine. And JBL introduces the L100, a consumer version of the 4320, bringing JBL Pro technology home for the first time. The L100 becomes one of the best-selling speakers of the decade.

**MIAMI VICE; MASTERS OF THE UNIVERSE; MTV!**

The Academy of Motion Picture Arts and Sciences chooses JBL components to introduce 70mm Dolby® stereo in showcase theaters. JBL introduces titanium diaphragms and Bi-Radial® horns in professional studio monitors, technologies soon to appear on the home front.

**GEN X, DOTCOMS, DVD.**

JBL dominates THX® theater installations. JBL near-field studio monitors take the lead in 5.1 and 7.1 sound mixing and mastering. And JBL introduces the Simply Cinema® system, the original "one box" home theater solution.



**AMERICAN IDOL; HDTV, JBL ES SERIES.**


The higher sampling rate of new high-definition digital sources pushes consumer audio beyond the limits of the human ear, and the ES Series captures it all, with UHF drivers that extend performance beyond the usual 20kHz to the ethereal realm of 40kHz.



1940's      1950's      1960's      1970's      1980's      1990's      TODAY

**ES SERIES**

	 <b>ES10</b>	 <b>ES20</b>	 <b>ES30</b>	 <b>ES80</b>
Frequency Response (-3dB)	65Hz – 40kHz	60Hz – 40kHz	50Hz – 40kHz	45Hz – 40kHz
Max. Recommended Amplifier Power*	100W	125W	125W	200W
Power Handling (Continuous/Peak)	50W/200W	60W/240W	70W/280W	100W/400W
Sensitivity (2.83V/1m)	86dB	86dB	88dB	91dB
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Crossover Frequencies	3000Hz – 24dB/octave; 9000Hz – 18dB/octave	3300Hz – 24dB/octave; 12,000Hz – 18dB/octave	3000Hz – 24dB/octave; 9000Hz – 18dB/octave	700Hz, 3600Hz – 24dB/octave; 12,000Hz – 18dB/octave
Low-Frequency Transducer	100mm (4") PolyPlas, <sup>™</sup> shielded	130mm (5") PolyPlas, <sup>™</sup> shielded	160mm (6") PolyPlas, <sup>™</sup> shielded	Dual 160mm (6") PolyPlas, <sup>™</sup> shielded
Midrange Transducer	NA	NA	NA	100mm (4") PolyPlas, shielded
High-Frequency Transducer	19mm (3/4") Titanium-laminate dome, shielded; EOS waveguide	19mm (3/4") Titanium-laminate dome, shielded; EOS waveguide	19mm (3/4") Titanium-laminate dome, shielded; EOS waveguide	19mm (3/4") Titanium-laminate dome, shielded; EOS waveguide
Ultrahigh-Frequency Transducer	19mm (3/4") Polyester-film ring-radiator, shielded; EOS waveguide	19mm (3/4") Polyester-film ring-radiator, shielded; EOS waveguide	19mm (3/4") Polyester-film ring-radiator, shielded; EOS waveguide	19mm (3/4") Polyester-film ring-radiator, shielded; EOS waveguide
Dimensions With Grille (H x W x D)	201mm x 305mm x 140mm (7-7/8" x 12" x 5-1/2")	318mm x 174mm x 203mm (12-1/2" x 6-7/8" x 8")	387mm x 223mm x 330mm (15-1/4" x 8-3/4" x 13")	1084mm x 223mm x 330mm (42-11/16" x 8-3/4" x 13")
Weight per Speaker	4kg (8.8 lb)	4.6kg (10.3 lb)	8.9kg (19.6 lb)	21kg (46.3 lb)

	 <b>ES90</b>	 <b>ES100</b>	 <b>ES25C</b>
Frequency Response (-3dB)	36Hz – 40kHz	32Hz – 40kHz	80Hz – 40kHz
Max. Recommended Amplifier Power*	225W	250W	150W
Power Handling (Continuous/Peak)	110W/440W	125W/500W	75W/300W
Sensitivity (2.83V/1m)	91dB	91dB	90dB
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms
Crossover Frequencies	500Hz, 3000Hz – 24dB/octave; 12,000Hz – 18dB/octave	450Hz, 3000Hz – 24dB/octave; 12,000Hz – 18dB/octave	3000Hz – 24dB/octave; 12,000Hz – 18dB/octave
Low-Frequency Transducers	Dual 200mm (8") PolyPlas, <sup>™</sup> shielded	Dual 250mm (10") PolyPlas, <sup>™</sup> shielded	Dual 130mm (5") PolyPlas, <sup>™</sup> shielded
Midrange Transducer	100mm (4") PolyPlas, shielded	100mm (4") PolyPlas, shielded	NA
High-Frequency Transducer	19mm (3/4") Titanium-laminate dome, shielded; EOS waveguide	19mm (3/4") Titanium-laminate dome, shielded; EOS waveguide	19mm (3/4") Titanium-laminate dome, shielded; EOS waveguide
Ultrahigh-Frequency Transducer	19mm (3/4") Polyester-film ring-radiator, shielded; EOS waveguide	19mm (3/4") Polyester-film ring-radiator, shielded; EOS waveguide	19mm (3/4") Polyester-film ring-radiator, shielded; EOS waveguide
Dimensions With Grille (H x W x D)	1084mm x 260mm x 384mm (42-11/16" x 10-1/4" x 15-1/8")	1083mm x 305mm x 422mm (42-5/8" x 12" x 16-5/8")	178mm x 476mm x 254mm (7" x 18-3/4" x 10")
Weight per Speaker	24.2kg (53.4 lb)	29kg (63.9 lb)	7.6kg (16.7 lb)

	 <b>ES250P</b>	 <b>ES150P</b>
Frequency Response	25Hz – 150Hz	27Hz – 150Hz
Amplifier RMS Power	400W	300W
Amplifier Peak Dynamic Power <sup>†</sup>	700W	500W
Crossover Frequencies	50Hz – 150Hz; 24dB/octave, continuously variable	50Hz – 150Hz; 24dB/octave, continuously variable
Driver	300mm (12") PolyPlas <sup>™</sup>	250mm (10") PolyPlas <sup>™</sup>
Dimensions (H x W x D) (with grille)	502mm x 400mm x 428mm (19-3/4" x 15-3/4" x 16-7/8")	457mm x 387mm x 368mm (18" x 13-1/4" x 15-1/4")
Weight	19.5kg (43 lb)	17.7kg (39 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.  
<sup>†</sup> The Peak Dynamic Power is measured by recording the highest center-to-peak voltage measured across the output of a resistive load equal to minimum impedance of the transducer, using a 50Hz sine wave burst, 3 cycles on, 7 cycles off.

Available in:



Black



Beech



Cherry

The JBL logo is displayed in white, bold, sans-serif capital letters on an orange rectangular background.

**PRO SOUND  
COMES HOME™**

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