



**JBL**

®

**STUDIO™ L SERIES**  
STEAL THE SHOW. GO PRO.



# ARE YOU READY FOR PRO SOUND AT HOME? TREAT YOURSELF TO JBL'S STUDIO L SERIES.

**HAVE YOU EVER BEEN IN A RECORDING STUDIO FILLED WITH PROFESSIONAL LOUDSPEAKERS AND BUILT FOR GREAT ACOUSTICS? IT'S AN EXPERIENCE FEW PEOPLE EVER FORGET. AND IT'S THE EXPERIENCE JBL'S STUDIO™ L SERIES IS DESIGNED TO DUPLICATE AT HOME.**

With a range of models in a choice of colors and with an array of placement and mounting options, Studio L speaker systems are easily integrated into any home environment. But with materials and technologies that extend their sonic performance far beyond the industry standard of 20kHz, there's nothing domesticated about them. This is true studio performance, as JBL has been defining and redefining the term for more than fifty years.







**YOUR FAMILY ROOM, THE CONCERT HALL.** For decades, there’s been an enormous difference between live concert performances and concert recordings. Ultrahigh-frequency sound – beyond the range of the human ear, but sensed nonetheless – has always been missing at home. Now Studio L brings UHF to home music and movie systems, creating a decidedly more lifelike experience. So sit back and enjoy realistic, full-spectrum sound, as only JBL can deliver it.

**JBL STUDIO L SERIES. POWERFUL, VERSATILE, TECHNOLOGICALLY ADVANCED MOVIE AND MUSIC SYSTEMS.**

**THE POSSIBILITIES ARE VIRTUALLY LIMITLESS.** A choice of innovative three and four-way center channel and satellite speakers with both wall-mount hardware and corner-mount options. A pair of muscular three-way bookshelf speakers. Authoritative four-way floorstanding speakers with dual 6-inch (150mm) or dual 8-inch (200mm) bass drivers. And a 12-inch (300mm) subwoofer with enough power to bring down the house.

Every Studio L loudspeaker (except the L8400P subwoofer) features a 3/4-inch (19mm) Mylar®-dome ultrahigh-frequency driver in a cast-aluminum chassis, in addition to a 1-inch (25mm) pure-titanium-dome tweeter, expanding audio performance beyond 20kHz to 40kHz, for compatibility with new SACD™ sources. And the midrange and bass frequencies are protected from unwanted resonances with low-diffraction IsoPower™ baffles and rigid, heavily braced enclosures.



**IN THE TRADITION OF JBL PROFESSIONAL STUDIO MONITORS.** In 1970, JBL designed and engineered the L100, the first consumer version of the acclaimed 4312, which was used in all the top recording studios around the world. Today, JBL continues that tradition with Studio L, incorporating a host of design innovations and technologies directly derived from JBL’s professional recording studio monitors, such as the new LSR 6332, to achieve exceptional sonic accuracy and musical realism.

1940’s	1950’s	1960’s	1970’s	1980’s	1990’s	TODAY
<b>NYLON STOCKINGS, FILM NOIR, THE DAWN OF AUDIO.</b> James B. Lansing leaves Western Electric (where he led the team that brought sound to the movies) to start JBL. First products: the D130, an innovative high-power, low-frequency transducer, and a high-frequency transducer that’s still used by audio professionals more than 50 years later.	<b>BLUE SUEDE SHOES, MCCARTHY, THE ELECTRIC GUITAR.</b> As rock ‘n’roll is born, JBL becomes the clear leader in studio and theater sound. Leo Fender chooses the D130 to amplify his electric guitars. And <i>LIFE</i> magazine calls the JBL Hartsfield the “dream speaker” for the amazing new world of hi-fi.	<b>VIETNAM, WOODSTOCK, SPACE.</b> JBL introduces the legendary 4320. With a high-frequency compression driver and acoustic lens in a 4-way configuration, it becomes the definitive studio monitor of the Space Age. And JBL becomes standard equipment at major rock concerts. Remember that little gathering at Woodstock? (We’re with the band, man.)	<b>POLYESTER, WATERGATE, SATURDAY NIGHT FEVER.</b> By 1976, a Billboard survey ranks JBL studio monitors number one. And JBL Pro technology comes home with the L100, a consumer version of the 4300 Series, one of the best-selling speakers of the decade (and vastly better looking than the clothes of the era).	<b>MIAMI VICE, MASTERS OF THE UNIVERSE, MTV.</b> 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.	<b>GEN X, DOT-COMS, DVD.</b> JBL’s professional innovations come thick and fast: Vented Gap Cooling,™ Optimized Aperture™ horns, rapid-flare low-distortion compression drivers. JBL corners the THX® cinema market. And JBL near-field studio monitors lead in 5.1 and 7.1 sound mixing and mastering.	<b>LORD OF THE RINGS, FLAT-PANEL TV, SACD, JBL STUDIO L.</b> Higher digital sampling rates advance home entertainment to a new level of sonic realism, and JBL Studio L Series captures it all, delivering studio-quality performance that’s easily integrated into any listening environment.

# JBL HAS BEEN SETTING PROFESSIONAL AUDIO STANDARDS FOR MORE THAN 50 YEARS.

**ALFRED HITCHCOCK THEATRE**  
UNIVERSAL CITY,  
CALIFORNIA

**AMC THEATRES**  
LOCATIONS  
THROUGHOUT  
USA

**EDWARDS CINEMAS**  
LOCATIONS  
THROUGHOUT  
USA

**LOEWS CINEPLEX**  
LOCATIONS  
THROUGHOUT  
USA

**MANN'S CHINESE THEATER**  
HOLLYWOOD,  
CALIFORNIA

**SAMUEL GOLDWYN THEATER**  
BEVERLY HILLS,  
CALIFORNIA

**SYDNEY OPERA HOUSE**  
AUSTRALIA

**UNITED ARTISTS THEATERS**  
LOCATIONS  
THROUGHOUT  
USA

**VIRGIN CINEMAS**  
LOCATIONS  
THROUGHOUT  
JAPAN

**WINSTON THUNDERDOME**  
USA

**STUDIO L BRINGS ALL THAT WORK HOME.** The JBL sound is what brings you to your feet at a rock concert, and to the edge of your seat in a movie theater. It's the loud, clear, lifelike sound you hear in more than 80% of all THX®-certified movie theaters. JBL is how music recordings and movie soundtracks are created, mixed and mastered. Live or recorded, indoors or out, JBL is how the world hears sound. And with the Studio L Series, it's also how you'll hear sound at home.



At five inches (127mm) deep, the high-performance Studio L820 speakers don't just cry out to be wall-mounted – they were designed for it. Wall brackets that swivel to permit optimum positioning in a home theater system are standard, and corner-mounting brackets are available.



### ULTRAHIGH-FREQUENCY DRIVERS.

The higher sampling rate of new digital sources, including SACD™, is pushing consumer audio beyond the limitations of the human ear. With UHF drivers capable of 40kHz, Studio L speakers are ahead of the curve, able to deliver nuances you've never before experienced in recorded audio.

### FREEFLOW™ PORT TECHNOLOGY.

Flared ports ease the transmission of heavy bass (the very best kind) from the speaker's inner box to its outer box by equalizing the pressure gradient. What it all means on your end? Minimum distortion.

### ALUMINUM WAVEGUIDES.

Studio L Series UHF and HF drivers are housed in rigid cast-aluminum housings with integral waveguides. Two benefits: better dispersion for a larger listening "sweet spot," and less distortion, for heightened realism.

### LOW-DIFFRACTION ISOPOWER™ Baffles.

Rounded edges to reduce unwanted refraction from the baffle to your ear. Thick, heavily braced MDF construction to minimize the vibration of internal components. Let's just say these speakers are built.

### STRAIGHT-LINE SIGNAL PATH™ NETWORKS.

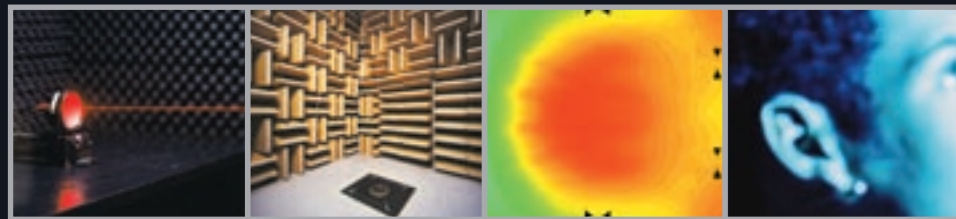
The most direct path from input to components to transducers is a straight line, and all Studio L speakers take it. They also employ bypass capacitors to produce the cleanest possible signal. So turn up the volume – Studio L speakers are designed to handle it.

### 5-WAY BINDING POSTS.

These days, there are, at a minimum, a zillion ways to hook up your home theater or music system. Studio L speakers give you multiple options, including bi-wire capability (except L8400P) and ability to accept banana plugs from multiple angles.



## THE LATEST LOUDSPEAKER TECHNOLOGIES FROM AN INDUSTRY-LEADING INNOVATOR.



### TECHNOLOGIES THAT HAVE SET THE STANDARDS FOR AN ENTIRE INDUSTRY.

#### REAL-TIME FFT LASER VIBROMETRY.

Measuring the infinitesimal is (or should be) an audio engineer's stock-in-trade, and the more precise the measurement tools, the better the result. JBL engineers use lasers to test the performance characteristics of various transducer materials and laminates, to find those least likely to produce unwanted resonances during peak audio passages. It's exacting work, but JBL insists on it.

#### ACOUSTICALLY PERFECT ANECHOIC CHAMBERS.

Imagine a room so sonically inert that sound reflections can't happen. Such a room is costly to produce, but it's the only way to conduct ultraprecise measurements of a loudspeaker's primary output. JBL has invested in new anechoic chambers to improve our understanding of how materials, coatings and manufacturing techniques affect loudspeaker performance.

#### MULTIAXIS ANALYSIS.

Suppose, just suppose, that your TV room isn't perfectly shaped. Is your queen-size convertible sofa going to hamper the nearly perfect output of your Studio L system? The answer lies in a complex combination of literally thousands of on- and off-axis audio responses, which we've precalculated for myriad situations. Rest assured, Studio L speakers have been optimized for real-world rooms filled with real-world furniture.

#### THE MOST SOPHISTICATED INSTRUMENT OF ALL.

Trained or untrained, professional or amateur, the human ear is and will always be the final arbiter of sound. And for all our technology, we're still reliant on it. Studio L has passed stringent listening tests in all types of home environments – which is why we can confidently predict how you'll feel when you experience these speakers for the first time. Probably some variation of "awesome."



# SPECIFICATIONS.



L890

L880

L830

L820

L810

Description	4-Way Dual 8" (200mm) Floorstanding Speaker				
Maximum Recommended Amplifier Power*	250W	200W	150W	150W	150W
Power Handling (Continuous/Peak)	125W/500W	100W/400W	75W/300W	75W/300W	75W/300W
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Sensitivity (2.83V/1m)	91dB	91dB	90dB	90dB	88dB
Frequency Response (±3dB)	28Hz – 40kHz	30Hz – 40kHz	48Hz – 40kHz	55Hz – 40kHz	60Hz – 40kHz
Crossover Frequencies	700Hz, 5kHz, 20kHz	700Hz, 5kHz, 20kHz	2.5kHz, 20kHz	600Hz, 3.5kHz, 20kHz	3.5kHz, 20kHz
Ultrahigh- Frequency Driver	3/4" (19mm) Mylar®-dome, cast-aluminum chassis, mounted in a Bi-Radial® horn				
High-Frequency Transducer	1" (25mm) Pure-titanium-dome in JBL EOS™ waveguide, cast-aluminum chassis				
MidrangeTransducer	4" (100mm) PolyPlas™ cone with rubber surround, cast-aluminum chassis, HeatScape™ motor structure (except L830 and L810)				
Low-Frequency Transducer(s)	Dual 8" (200mm) PolyPlas™ cones with rubber surrounds, cast-aluminum chassis, HeatScape™ motor structures, Symmetrical Field Geometry™ (SFG™), oversized Kapton® voice coils, magnetic shorting rings	Dual 6" (150mm) PolyPlas™ cones with rubber surrounds, cast-aluminum chassis, HeatScape™ motor structures, Symmetrical Field Geometry™ (SFG™), oversized Kapton® voice coils, magnetic shorting rings	6" (150mm) PolyPlas™ cone with rubber surround, cast-aluminum chassis, HeatScape™ motor structure, Symmetrical Field Geometry™ (SFG™), oversized Kapton® voice coil, magnetic shorting ring	6" (150mm) PolyPlas™ cone with rubber surround, cast-aluminum chassis, HeatScape™ motor structure, Symmetrical Field Geometry™ (SFG™), oversized Kapton® voice coil, magnetic shorting ring	5-1/4" (130mm) PolyPlas™ cone with rubber surround, cast-aluminum chassis, HeatScape™ motor structure, Symmetrical Field Geometry™ (SFG™), oversized Kapton® voice coil, magnetic shorting ring
Magnetic Shielding	Yes				
Baffle	Low-diffraction, IsoPower™ baffle				
Port	FreeFlow™, on front	FreeFlow™, on front	FreeFlow™, on rear	Sealed enclosure	Dual FreeFlow™, on front
Network	Straight-Line Signal Path™ (SSP™)				
Terminals	Gold-plated, 5-way binding posts, bi-wirable				
Dimensions (H x W x D) (including feet)	42-1/4" x 10-1/4" x 15" (1073mm x 259mm x 380mm)	39" x 8-3/4" x 14-3/4" (991mm x 222mm x 370mm)	15-1/4" x 8-3/4" x 12-3/4" (385mm x 222mm x 320mm)	12-1/4" x 15-1/2" x 5" (311mm x 391mm x 127mm)	14-1/4" x 12-1/4" x 5" (362mm x 311mm x 127mm)
Weight per Speaker	60 lb (27.3kg)	54 lb (24.5kg)	22 lb (10kg)	19 lb (8.6kg)	14 lb (6.4kg)
General	Cast-aluminum feet; 5/16" (8mm) floor spikes, single-packed	Pair-packed		Wall-mount hardware included; wall- or corner-mount	



LC1

LC2

Description	3-Way Dual 5-1/4" (130mm) Center Speaker	4-Way Dual 6" (150mm) Wall-Mount, Center Speaker
Maximum Recommended Amplifier Power*	150W	150W
Power Handling (Continuous/Peak)	75W/300W	75W/300W
Nominal Impedance	8 Ohms	8 Ohms
Sensitivity (2.83V/1m)	91dB	92dB
Frequency Response (±3dB)	55Hz – 40kHz	50Hz – 40kHz
Crossover Frequencies	3kHz, 20kHz	700Hz, 4kHz, 20kHz
Ultrahigh-Frequency Driver	3/4" (19mm) Mylar®-dome, cast-aluminum chassis, mounted in a Bi-Radial® horn	
High-Frequency Transducer	1" (25mm) Pure-titanium-dome in JBL EOS™ waveguide, cast-aluminum chassis	
MidrangeTransducer	N/A	4" (100mm) PolyPlas™ cone with rubber surround, cast-aluminum chassis, HeatScape™ motor structure
Low-Frequency Transducer(s)	Dual 5-1/4" (130mm) PolyPlas™ cones with rubber surrounds, cast-aluminum chassis, HeatScape™ motor structures, Symmetrical Field Geometry™ (SFG™ ), oversized Kapton® voice coils, magnetic shorting rings	Dual 6" (200mm) PolyPlas™ cones with rubber surrounds, cast-aluminum chassis, HeatScape™ motor structures, Symmetrical Field Geometry™ (SFG™ ), oversized Kapton® voice coils, magnetic shorting rings
Magnetic Shielding	Yes	
Baffle	Low-diffraction, IsoPower™ baffle	
Port	FreeFlow™, on rear	Sealed enclosure
Network	Straight-Line Signal Path™ (SSP™ )	
Terminals	Gold-plated, 5-way binding posts, bi-wirable	
Dimensions (H x W x D)	7-1/2" x 21" x 10" (191mm x 533mm x 254mm)	12-1/4" x 22" x 5" (311mm x 559mm x 127mm)
Weight per Speaker	23 lb (10.5kg)	29 lb (13.2kg)
General	Single-packed	Wall-mount hardware included, single-packed



L8400P

Description	12" (300mm) High-Performance Compact Powered Subwoofer
Amplifier Power (RMS)	600W
Peak Dynamic Power**	1200W
Bass Driver	12" (300mm) PolyPlas™ cone with rubber surround, cast-aluminum chassis, HeatScape™ motor structure, Symmetrical Field Geometry™ (SFG™ ), oversized fiberglass voice coil, magnetic shorting ring
Frequency Response (±3dB)	22Hz to low-pass crossover setting
Low-Pass Crossover Frequencies	50Hz – 150Hz, continuously adjustable (150Hz when using speaker-level connection)
Inputs	Gold-plated, 5-way binding-post speaker-level; left and right line-level, switchable to LFE
Outputs	Gold-plated, 5-way binding-post speaker-level
Enclosure	Sealed
Baffle	Low-diffraction, IsoPower™
Dimensions (H x W x D)	16-1/2" (15-1/2" without feet) x 15-1/2" x 15-1/2" (419mm [394mm without feet] x 394mm x 394mm)
Weight per Speaker	58 lb (26.4kg)



All models available in a Black Ash, Beech or Cherry finish, with a Charcoal grille. Features, specifications and appearance are subject to change without notice.

\*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.

\*\*The Peak Dynamic Power is measured by recording the highest peak-to-center voltage produced by the power amplifier with its limiters disabled, across the output of a resistive load equal to minimum impedance of the transducer, using a 50Hz sine wave burst, 3 cycles on, 17 cycles off.

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## PRO SOUND COMES HOME™

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