



JBL STUDIO 590

Dual 200mm (8") Floorstanding Loudspeaker with High-Frequency Compression Driver in a Horn and Classic JBL® Bass

The JBL Professional loudspeakers you hear at your favourite movie theatre or concert venue share an important characteristic with our most advanced home speakers. They all employ constant-directivity compression drivers in a horn to deliver the massive amounts of high-impact, highly accurate sound and live-music experience that large audiences and critical listeners demand. Now JBL Studio 5 Series speakers, acoustically designed by renowned JBL chief engineer Greg Timbers, continue this performance-proven tradition. The JBL Studio 5 series features top-of-the-line professional speaker technology in a modern design while being very affordable. The JBL Studio 590 floorstanding loudspeaker combines a 25mm (1") HF compression driver and Bi-Radial® horn with dual 200mm (8") cast-frame Symmetrical Field Geometry (SFG) woofers to deliver extraordinarily lifelike performance. Ideal for both music and movie systems, the Studio 590 floorstanding loudspeakers are powerful, accurate and styled to make an overwhelming statement in any listening environment.

TECHNICAL SPECIFICATIONS

Low-frequency transducers:	Two 200mm (8") PolyPlas™ cones with SFG magnet structures, cast frames and rubber surrounds, magnetically shielded
High-frequency transducer:	25mm (1") compression driver with neodymium magnet and one-piece Teonex® diaphragm on a glass-filled ABS Bi-Radial horn, magnetically shielded
Recommended amplifier power:	250 watts
Frequency response:	35Hz – 40kHz (–6dB)
Nominal impedance:	6 ohms
Sensitivity (2.83V/1m):	92dB
Crossover frequencies:	1.5kHz
Enclosure type:	Ported
Connector type:	Dual gold-plated binding posts (bi-wire-capable)
Available finishes:	Black or cherry
Dimensions (H x W x D):	1263mm x 322mm x 413mm
Weight:	31.5kg

Finishes:



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KEY FEATURES

Dual 200mm (8") Low-Frequency Transducers

- Stiff, lightweight ribbed PolyPlas cones with rubber surrounds
- 38mm (1-1/2") diameter woofer voice coils
- Heavy-duty magnet assemblies with Symmetrical Field Geometry (SFG) technology
- Rigid, non-resonant cast aluminum frames

25mm (1") High-Frequency Compression Driver

- One-piece Teonex® diaphragm/surround with 25mm (1") voice coil
- Significantly lower distortion and greater dynamic range than conventional midrange and HF drivers

Glass-filled ABS Bi-Radial High-Frequency Horn

- Controlled directivity at ear level of seated listeners minimizes unwanted HF interaction with walls and furniture
- Cleaner, more realistic HF sound over a wider listening area

19mm (3/4") MDF Enclosure

- Rigid, heavily braced design with non-parallel surfaces reduces unwanted resonances

Low-loss, 2-1/2-way crossover network

- Smooths transition between woofers and HF compression driver/horn
- Reduced distortion and coloration for improved sonic clarity

Exclusive Design

- Dynamic, one-of-a-kind look

KEY BENEFITS

- Rear-facing bass port increases output and extends bass response
- Dual gold-plated binding posts with bi-wire capability increases connection options
- Clean, powerful bass response at all listening levels
- Crisp, high-impact bass performance
- Clear, detailed sound with very low distortion



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JBL STUDIO 590



Dual 8" Floorstanding Loudspeaker with High-Frequency Compression Driver in a Horn and Classic JBL® Bass

Behind the screen of your favorite movie theater and overhead in the rigging at major concert events, JBL® Professional loudspeakers with large vertical arrays of constant-directivity horns have long delivered the massive amounts of highly accurate sound and live music experience that large audiences expect. The most advanced JBL residential loudspeakers, including Everest DD66000, K2 and Project Array, also feature high-frequency compression drivers in a horn, coupling them with powerful low-frequency drivers to achieve the highest levels of dynamic realism and dimensional accuracy. Now JBL Studio 5 Series speakers, designed by renowned JBL chief engineer Greg Timbers, continue this performance-proven tradition. The JBL Studio 590 floorstanding loudspeaker combines a 1-inch (25mm) HF compression driver and Bi-Radial® horn with dual 8-inch (200mm) cast-frame Symmetrical Field Geometry (SFG) woofers to deliver extraordinarily lifelike performance. Ideal for both music and movie systems, the Studio 590 system is powerful, accurate and styled to make a dramatic design statement in any listening environment.



FEATURES

ADVANTAGES

BENEFITS

Dual 8" (200mm) low-frequency transducers with Symmetrical Field Geometry (SFG) magnet assembly	Increased power handling, improved clarity and bass impact	More dynamic performance at all listening levels
1" (25mm) high-frequency compression driver	Significantly lower distortion and greater dynamic range than conventional midrange and HF drivers	Vastly improved realism and clarity, especially at lower output levels
One-piece Teonex® tweeter diaphragm/surround with 1" voice coil and neodymium magnet	Increased power handling and more linear diaphragm motion	Greater dynamic range, lower distortion, improved reliability
Glass-filled ABS Bi-Radial® high-frequency horn	Controlled directivity at ear level of seated listeners minimizes unwanted HF interaction with walls and furniture	Cleaner, more realistic HF sound over a wider listening area
Ribbed PolyPlas™ woofer cones	Lighter weight with greater strength and stiffness	Precise cone movement, reduced distortion at high output levels
Rubber woofer surrounds	Long cone excursions	Increased bass output with less distortion
1-1/2"-diameter woofer voice coils	Increased power handling, increased dynamic range	More emotional impact at all listening levels
Cast aluminum woofer frames	Nonresonant, dimensionally stable	Crisp, high-impact bass performance
3/4" (19mm) MDF enclosure	Rigid, heavily braced design with non-parallel surfaces reduces unwanted resonances	Clearer, more detailed sound
Exclusive JBL design	Unique, one-of-a-kind look	Makes a dramatic design statement in any room
Low loss, 2-1/2-way crossover network	Smooths transition between woofers and HF compression driver/horn	Reduced distortion and coloration for improved sonic clarity
Rear-mounted bass port	Uses nearby wall to extend bass performance	Increased output with reduced distortion
Dual gold-plated binding posts	Allows the use of any type of speaker wire and termination	Installation flexibility
Bi-wire-capable	Allows the use of multiple amplifiers or multiple wire sets	Installation flexibility