



# 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.

## TECHNICAL SPECIFICATIONS

Low-frequency transducers:	Two 8" (200mm) PolyPlas™ cones with SFG magnet structures, cast frames and rubber surrounds, magnetically shielded
High-frequency transducer:	1" (25mm) 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):	49-3/4" x 12-11/16" x 16-1/4" (1263mm x 322mm x 413mm)
Weight:	69.5 lb (31.5kg)

Finishes:



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## HIGHLIGHTS

### Dual 8" (200mm) Low-Frequency Transducers

- Stiff, lightweight ribbed PolyPlas cones with rubber surrounds
- 1-1/2"-diameter woofer voice coils
- Heavy-duty magnet assemblies with Symmetrical Field Geometry (SFG) technology
- Rigid, non-resonant cast aluminum frames
- Clean, powerful bass response at all listening levels

### 1" (25mm) High-Frequency Compression Driver

- One-piece Teonex® diaphragm/surround with 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

### 3/4" (19mm) 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 FEATURES

- Rear-facing bass port increases output and extends bass response
- Dual gold-plated binding posts with bi-wire capability increases connection options
- Available in black or cherry finishes



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