

# 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