



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:



JBL STUDIO 590

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



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



HARMAN

HARMAN Consumer, Inc.
8500 Balboa Boulevard, Northridge, CA 91329 USA

© 2011 HARMAN International Industries, Incorporated. All rights reserved. JBL and Bi-Radial are trademarks of HARMAN International Industries, Incorporated, registered in the United States and/or other countries. PolyPlas is a trademark of HARMAN International Industries, Incorporated. Teonex is a registered trademark of DuPont Teijin Films. Features, specifications and appearance are subject to change without notice.

www.jbl.com