



4429 STUDIO MONITOR

High-performance compression-driver system

The JBL® 4425 studio monitor, introduced in 1985, was the company's first compression-driver system with a Bi-Radial® horn and large-format woofer, designed to give true studio performance in transportable size without the need for subwoofer augmentation. The new JBL 4429 incorporates a number of important improvements over the 4425 and its successors. A UHF transducer, an improved HF compression driver and horn design, a new crossover network and improved internal bracing combine to give the 4429 an advantage in the naturalness, clarity and detail of its sound relative to previous models. Effortlessly delivering the full bandwidth and dynamics of the newest digital media – without suppression at any listening level – the 4429 reveals subtleties you may never before have experienced in recorded music. Every detail of the design and construction of this system has been directed toward a single goal: uncompromised sonic performance. Featuring a massive, 300mm (12-inch) woofer, and large HF and UHF compression drivers with a one-piece SonoGlass® horn, the 4429 delivers quick, tight bass, a natural, well-focused midrange and clear, distinct highs to create listening experiences with all the richness and detail of the original performances.

TECHNICAL SPECIFICATIONS

Low-frequency transducer:	300mm (12") pure-pulp cone woofer 1200FE-8
High-frequency transducer:	50mm (1-3/4") titanium diaphragm 175Nd-3
Ultrahigh-frequency transducer:	19mm (3/4") titanium diaphragm 138Nd
Recommended amplifier power:	200 watts RMS
Frequency response:	40Hz – 45kHz (–6dB)
Nominal impedance:	6 ohms
Sensitivity:	91dB (2.83V/1m)
Crossover frequencies:	800Hz, 7kHz

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TECHNICAL SPECIFICATIONS (continued)

Controls:	Attenuators for MF and HF drivers
Enclosure type:	25mm (1")-thick MDF (medium-density fibreboard) stock, ported
Connector type:	Dual gold-plated five-way binding posts
Finish:	Topcoated walnut veneer
Grille colour:	Monitor Blue
Dimensions (H x W x D):	400mm x 635mm x 300mm (15-3/4" x 25" x 12")
Weight:	32.3kg (71 lb)

HIGHLIGHTS

1200FE-8 Low-Frequency Transducer

Featuring a 300mm (12-inch) pure-pulp cone woofer and large-aperture ferrite magnet and edge-wound aluminium voice-coil assembly, the 1200FE-8 driver delivers impressively deep, visceral bass that will not degrade at any volume level.

175Nd-3 High-Frequency Compression Driver

With a 50mm (1-3/4-inch) pure-titanium diaphragm, the 175Nd-3 compression driver produces extremely accurate midrange to high-frequency performance with minimal distortion and power compression for explosively realistic dynamics at all listening levels.

138Nd Ultrahigh-Frequency Compression Driver

A 19mm (3/4-inch) pure-titanium diaphragm produces realistic dynamics far beyond the range of human hearing, with ultrasmooth response that is ideal for SACD™ and other high-resolution audio formats.

SonoGlass HF and UHF Horns

Dense, mechanically inert high- and ultrahigh-frequency horns with extremely precise Bi-Radial horn flares eliminate horn resonances for clear, distortion-free sound.

FEATURES

- Extremely rigid, heavily braced enclosures of 25mm (1-inch) MDF
- Dual front-mounted ports provide optimal woofer tuning for extended bass response and permit speaker to be placed against a wall
- Continuously variable MF and HF attenuators let users tailor driver output to suit room acoustics or personal preference
- Bi-wire capability for use with multiple amplifiers and speaker-wire sets
- Walnut veneer with polyurethane topcoat and blue baffle and grille continue the classic JBL studio-monitor look



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



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Features, benefits and appearance are subject to change without notice.

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FEATURES

ADVANTAGES

BENEFITS

1200FE-8 LOW-FREQUENCY TRANSDUCER

300mm (12-inch), pure-pulp cone woofer	Reduced distortion	• Deep, visceral bass at all listening levels
Large-aperture ferrite magnet and edge-wound aluminium voice-coil assembly	Lightning-fast response with precise, linear cone motion	• Low-distortion, high-output performance
Die-cast aluminium frame	Effective heat dissipation	• Increased power handling

175ND-3 HIGH FREQUENCY COMPRESSION DRIVER

50mm (1-3/4-inch) pure-titanium diaphragm	Extremely accurate midrange to high-frequency performance with minimal distortion and power compression	• Realistic dynamics at all listening levels
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138ND ULTRAHIGH-FREQUENCY COMPRESSION DRIVER

19mm (3/4-inch) pure-titanium diaphragm	Realistic dynamics and ultrasmooth response beyond the range of human hearing	• Ideal for SACD™ and other high-resolution audio formats
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OTHER FEATURES

SonoGlass HF and UHF Bi-Radial horns	Dense, inert material eliminates conventional horn resonances	• Clear, distortion-free sound over a wide listening area
Heavily braced 25mm (1-inch) MDF (medium-density fibreboard) enclosures	Eliminates cabinet resonances	• Powerful bass and midrange performance
Dual front-mounted bass ports	Optimal woofer tuning for flat response; speaker may be placed against wall	• Extremely low distortion, increased installation flexibility
Continuously variable MF and HF attenuators	Driver output can be precisely tailored to suit room acoustics or personal preferences	• Your music your way
Bi-wire capability	Allows the use of multiple amplifiers and speaker-cable sets	• Increases connection options
Walnut veneer with polyurethane topcoat, blue baffle and grille	Rugged, professional look	• Durability