



# 4319 STUDIO MONITOR

The next-generation JBL® monitor

Throughout the decade of the 1970s and beyond, the JBL® Model 4310 was found in more professional recording studios than any other monitor, setting the standard of power and realism for all that followed. The JBL 4319 studio monitor, with its unmistakable blue baffle and grille, continues the proud tradition. Engineered to play loud and long with unequalled dynamics, sonic clarity and tonal accuracy, the 4319 features a massive, 300mm (12-inch) woofer driven by a Differential Drive® (U.S. patent no. 5,748,760 and other patents pending) dual voice-coil assembly, a large inverted-dome midrange driver and a fast magnesium/aluminium dome tweeter. Together, these advanced transducers deliver 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 performance. Die-cast transducer frames dissipate heat to minimize distortion caused by power compression, and a heavily braced enclosure virtually eliminates unwanted internal resonances. Music professionals and critical listeners have only the highest expectations for JBL studio monitors, and the JBL 4319 delivers brilliantly.

## TECHNICAL SPECIFICATIONS

Low-frequency transducer:	300mm (12") Differential Drive cone driver with dual 3" voice coils, cast-aluminium frame and an Aquaplas-coated cone (2213Nd-1)
Midrange transducer:	125mm (5") inverted-dome driver with magnesium/aluminium alloy diaphragm (105H-2)
High-frequency transducer:	25mm (1") compression driver with magnesium/aluminium alloy diaphragm (054ALMg-1)
Recommended amplifier power:	200 watts RMS
Frequency response:	35Hz – 40kHz (–6dB)
Nominal impedance:	6 ohms
Sensitivity:	92dB (2.83V/1m)
Crossover frequencies:	650Hz, 2200Hz

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## TECHNICAL SPECIFICATIONS (continued)

Controls:	Attenuators for MF and HF drivers
Enclosure type:	19mm (3/4") MDF (medium-density fibreboard) stock, ported
Connector type:	Dual gold-plated five-way binding posts
Finish:	Walnut, with polyurethane finish
Grille colour:	Monitor blue
Dimensions (H x W x D):	597mm x 362mm x 300mm/302mm with grille 23-1/2" x 14-1/4" x 12"/11-7/8" with grille
Weight:	16.3kg (35.9 lb)

## HIGHLIGHTS

### 2213Nd-1 Low-Frequency Transducer

A 300mm (12-inch) woofer cone with a Differential Drive dual 75mm (3-inch) voice-coil assembly delivers deep, crisp bass at all listening levels. Dual neodymium magnets in push-pull configuration maintain precise control over the cone's motion and dissipate heat more effectively than conventional magnetic assemblies for low-distortion, high-output performance. The die-cast aluminium frame further dissipates heat, increasing power handling; and the shallow, Aquaplas-coated cone is optimally damped to reduce distortion.

### 105H-2 Inverted-Dome Midrange Transducer

A 125mm (5-inch) magnesium/aluminium inverted dome with a 25mm (1-inch) copper voice coil combine to produce flat response with low distortion and increased power handling for more dynamic performance at high listening levels. A die-cast frame minimizes back pressure for more linear motion, lower distortion and more natural-sounding reproduction of voices.

### 054ALMg-1 High-Frequency Driver

A 25mm (1-inch) magnesium/aluminium alloy dome produces realistic dynamics far beyond the range of human hearing, with ultrasmooth response that is ideal for SACD™ and other high-resolution audio formats.

## FEATURES

- Extremely rigid, heavily braced enclosures of 19mm (3/4-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



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

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A new midsize flagship speaker

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## FEATURES

## ADVANTAGES

## BENEFITS

### 2213ND-1 LOW-FREQUENCY TRANSDUCER

300mm (12-inch), optimally damped, Aquaplas-coated woofer cone

Reduced distortion

- Deep, crisp bass at all listening levels

Differential Drive dual 75mm (3-inch) voice-coil assembly

Dissipates heat more effectively than conventional motor assemblies

- Low-distortion, high-output performance

### 105H-2 INVERTED-DOME MIDRANGE TRANSDUCER

A 125mm (5-inch) magnesium/aluminium inverted dome with a 25mm (1-inch) copper voice coil

Flat response with low distortion and increased power handling

- More dynamic performance at high listening levels

Die-cast frame

Minimises back pressure for more linear motion and lower distortion

- More natural-sounding reproduction of voices

### 054ALMG-1 HIGH-FREQUENCY TRANSDUCER

25mm (1-inch) magnesium/aluminium alloy dome

Realistic dynamics and ultrasmooth response beyond the range of human hearing

- Ideal for SACD™ and other high-resolution audio formats

### OTHER FEATURES

Heavily braced 19mm (3/4-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