

306P MkII

Powered 6" Two-Way Studio Monitor



HIGHLIGHTS ■

Patented Image Control Waveguide

creates a stunning soundstage with precise imaging and depth, a wide sweet spot and neutral response in any room

Next-generation JBL transducers

for optimized transient response and improved linearity

Dual Class-D power amps

provide ample headroom and dynamic range

New Boundary EQ

attenuates the low-end boost that can occur when monitors are placed on a desktop or near walls

3-position HF Trim switch

allows tailoring of the high-frequency response to the listening environment or personal taste

The next-generation JBL 306P MkII powered studio monitor makes legendary JBL performance available to every studio. With the revolutionary JBL Image Control Waveguide and refined transducers, JBL 306P MkII offers stunning detail, precise imaging, a wide sweet spot and impressive dynamic range that enhances the mix capabilities of any modern workspace. Leveraging patented technologies derived from the JBL 7 Series and M2 Master Reference Monitors and sporting a sleek, modern design, JBL 306P MkII delivers outstanding performance and an enjoyable mix experience at an accessible price.

KEY MESSAGES ■

YOUR MIX IS ONLY AS GOOD AS YOUR MONITORS

JBL 306P MkII has been equipped with acclaimed 3 Series transducers that now perform even better. Hear deep, accurate and tightly controlled bass, thanks to a long-throw 6.5" woofer and the patented JBL Slip Stream™ low-frequency port. Enjoy soaring, immaculately detailed highs, via its woven-composite 1" Neodymium tweeter.

JBL engineers took things to the next level with faster HF transient response through fine-tuned ferrofluid damping, and greater low-frequency linearity and reduced harmonic distortion courtesy of an enhanced woofer design. The result is a studio monitor you can trust—with unmatched performance, stunning imaging and neutral frequency response that's unbeatable in its class.

TAILORED SOUND TO FIT YOUR STUDIO

The dimensions and acoustics of a room can have a major effect on sonic accuracy, and that's why JBL 306P MkII lets you adjust the response to fit your studio. The new Boundary EQ attenuates the low-end boost that can occur when you place monitors directly on the desktop or near walls. The 3-position HF Trim switch allows you to adjust the high-frequency response of the 306P MkII to tailor it to room acoustics or personal tastes.

PATENTED IMAGE CONTROL WAVEGUIDE

Reveal impressive detail, ambience and depth in your mixes with JBL 3 Series' groundbreaking Image Control Waveguide. Originally developed for JBL's flagship M2 Master Reference Monitor, this patented innovation ensures an acoustically seamless transition between the low- and high-frequency transducers and provides an immersive soundstage, with precise imaging. Offering a wide sweet spot and neutral frequency response, JBL 306P MkII delivers a crystal clear representation of your mix, revealing subtle details, even when listening off-axis.

BIG SOUND OUT OF THE BOX

JBL 306P MkII is ready for the most demanding production styles right out of the box. With 112 watts of total power, the dual, integrated Class-D power amplifiers, custom designed by JBL for each transducer, give you generous dynamic range for any project. From music production and podcasting to cinematic sound design or daily vlogging, enjoy the output and power you need to hear exceptional detail at any volume—even at peak SPL. Simply plug in, power on, and start creating.

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FEATURES ■

- Patented Image Control Waveguide for detailed imaging and a broad, room-friendly sweet spot
- Next-generation JBL transducers for optimized transient response and improved linearity
- Patented Slip Stream™ low-frequency port for superior bass performance at all playback levels
- Dual integrated, custom Class-D amplifiers provide 112 watts of power for high output and dynamic range
- New Boundary EQ settings compensate for low-frequency variants introduced by the environment
- HF Trim switch adjusts high-frequency output to room acoustics or personal preferences
- Flexible connectivity with balanced XLR and 1/4" TRS inputs, +4dBu / -10dBV input-sensitivity switch and adjustable volume control
- Engineered to JBL Linear Spatial Reference design criteria for outstanding accuracy in any working space
- Strenuous JBL 100-hour full-power test ensures years of reliability
- Sleek, modern design provides a visual upgrade to any studio

ORDER SPECIFICATIONS ■

BOX DIMS (H x W x D): 16.5" x 11.5" x 13.3"
SHIPPING WEIGHT: 15.95 lbs
UPC CODE: 691991007712

SPECIFICATIONS ■

LF DRIVER SIZE: 165mm (6.5")
HF DRIVER SIZE: 25mm (1")
HF DRIVER TYPE: Soft dome
CROSSOVER: 1425Hz 4th order acoustic Linkwitz-Riley
OK FOR USE NEAR MAGNETICALLY SENSITIVE EQUIPMENT: Yes
INPUT SENSITIVITY (-10dBV INPUT): 92dB / 1m
POWER CONFIGURATION: Bi-amplified
HF DRIVER POWER AMP: 56W, Class-D
LF DRIVER POWER AMP: 56W, Class-D
FREQUENCY RESPONSE (±3dB): 47Hz – 20kHz
FREQUENCY RANGE (-10dB): 39Hz – 24kHz
LOW FREQUENCY EXTENSION (-10dB): 39Hz
MAXIMUM CONTINUOUS SPL*: 92dB
MAXIMUM PEAK SPL:** 110dB
MAXIMUM PEAK INPUT LEVEL (-10dBV / +4dBu): +6dBV / +20.3dBu
SYSTEM DISTORTION CRITERIA: <10% THD at maximum output with full compressor / limiter engagement
ELECTRICAL DISTORTION CRITERIA: 0.2% THD @ 1kHz / 2.83VRMS output; <1% THD @ 1kHz, full rated output
SIGNAL TO NOISE RATIO: 75dBA (A-Weighted), 70dBr (unweighted), relative to 2.83VRMS output
COVERAGE HORIZONTAL x VERTICAL: 120° x 90°
ANALOG INPUT TYPES: 1 x XLR female, 1 x TRS female, balanced
HF TRIM CONTROL: -2dB, 0dB, +2dB
BOUNDARY EQ: LF Shelf @ 50Hz: -3dB, -1.5dB, 0dB
AC INPUT VOLTAGE: 100 – 240VAC (±10%), 50 / 60Hz
ENCLOSURE TYPE: Ported
ENCLOSURE CONSTRUCTION: 15mm MDF
ENCLOSURE FINISH: Matte black PVC
BAFFLE CONSTRUCTION: Injection-molded structural ABS
CABINET DIMENSIONS (H x W x D*):** 361 x 224 x 282mm (14.2" x 8.8" x 11.1")
DISPLAY CARTON (H x W x D): 408 x 285 x 328mm (16.1" x 11.2" x 12.9")
SHIPPING CARTON (H x W x D): 418 x 292 x 338mm (16.5" x 11.5" x 13.3")
NET WEIGHT: 6.1 kg (13.42 lbs)
SHIPPING GROSS WEIGHT: 7.25 kg (15.95 lbs)

* Measured using full-bandwidth pink noise, C-Weighted

** Measured C-Weighted

*** Depth measured without power cord and audio connectors
(typical power cord = 2 inches, typical XLR connector = 2.5 inches)



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WHY MKII ■

Since their release, word has spread on the quality and value found in the original JBL 3 Series resulting in wide adoption by musicians, hobbyists, project studios and broadcast editing suites worldwide. With such an obvious hit on our hands, you might ask, "why update now?" As we work on projects as varied as cinema solutions, to portable PA speakers, to full concert line arrays we continue to learn new ways to innovate. And on every project at JBL, there's always a handful of features or improvements that our engineering and product team can't squeeze in before we go into production. 3 Series was no different. When the opportunity presented itself, we decided to make those final improvements to the transducers, add a frequently requested feature and apply our latest manufacturing learnings. The result, a new edition of this popular studio monitor that retains the best qualities of the original, but now looks better, sounds better and can provide transparent sound in even more production environments.

KEY DEMO ■

The 3 Series MkII waveguide is responsible for excellent off-axis response and allows the speakers to deliver neutral sound to nearly any place in the room. The benefit is greater accuracy in any listening position and any room.

1. Play well-recorded program material with balanced timbre. Listen to the music from several spots in the room.
2. Stand at a point in the room about 5 or 6 feet in front of the speakers that forms an equilateral triangle with the speaker locations.
3. Slowly walk towards the speakers until you are standing nearly in between the left and right speakers. Stop when the music starts to sound dull—meaning when the high-frequency content is no longer clear and strong. Notice that you are nearly 60 degrees off axis relative to either speaker.
4. Go back to the starting point and walk left to right in front of the speakers to a point that is 60 degrees to the side of either the left or right speaker. Notice that the program material continues to sound very neutral and natural.
5. If there is space behind the speaker, position yourself there and listen while standing behind the speaker. Notice you can hear high-frequency content, even behind the speaker.

Conclusion: Listening to the JBL 3 Series MkII Powered Speakers, the sound doesn't change much and the program material sounds neutral in all of the listening positions. Conversely, when listening off axis, other speakers sound dull and not so accurate by comparison. This quality is a significant advantage.

DEMONSTRATE THE BENEFIT OF THE BOUNDARY EQ SWITCH ■

When a speaker is placed on a work surface—such as a desk or workstation furniture, or it is located in close proximity to a wall—variations in low-frequency response can occur that are unintended and give a false impression of bass content in program material. The 305P, 306P and 308P MkII incorporate a new Boundary EQ feature that compensates for these variations and allows greater low-frequency accuracy when making critical mix decisions. The amount of deviation is variable and is dependent on placement and distances from the adjacent boundaries.

Demonstrate the benefit of this feature by selecting and playing a musical example with ample low-frequency content. If possible, place the speaker in two or more listening positions in the room. In position one, the speaker should be free-standing on a speaker stand, away from walls. Listen to the musical example with the Boundary EQ switch set to 0dB. Then place the speaker on a desk, table top or work surface. Listen to the same material. Notice the low-frequency response is different and the sound can be described as "muddy" and lacking clarity in the low-frequency range. Set the Boundary EQ switch to -1.5dB and notice the improvement in low-frequency clarity. Set the Boundary EQ switch -3dB and determine which of the two settings is preferable to the 0dB setting.

PRICING ■

U.S. LIST:	\$248.75
U.S. MAP:	\$199.00
U.S. DEALER:	\$149.25



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