

# 705P

## 5" Bi-Amplified Master Reference Monitor



### HIGHLIGHTS ■

#### **Next-generation JBL driver technology**

for greater dynamic range and superior frequency response

#### **Patent-pending Image Control Waveguide**

ensures accuracy and neutrality while providing a wide sweet spot

#### **Integrated dual-amplification system**

provides exceptional output, allowing for greater listening distances

#### **Comprehensive room EQ controls**

enable you to compensate for the adverse effects of room acoustics

#### **Compact enclosures**

for easy placement and installation where space is limited

The JBL 705P is the self-powered reference monitor for critical music recording, film post and broadcast production applications. The JBL 705P leverages the same patent-pending driver technologies and JBL's renowned Image Control Waveguide found in the 708P and flagship M2, but with a smaller footprint. Despite its compact size, JBL 705P delivers an eye-opening level of output, well beyond that of conventional, comparably-sized studio monitors, for greater dynamic range and greater working distances. The speakers deliver an expansive soundstage, and pristine accuracy in a broad range of rooms.

### KEY MESSAGES ■

#### **NEXT-GENERATION DRIVER TECHNOLOGY**

JBL 705P leverages next-generation JBL driver technologies to deliver greater dynamic range and superior frequency response. The 2409H high-frequency compression driver incorporates an innovative low-mass annular diaphragm to deliver smooth response beyond 36 kHz, with very low distortion. The 725G low-frequency transducer provides 14mm peak-to-peak excursion with greater linearity, delivering exceptional low-frequency output below 39 Hz. These proprietary drivers allow the 705P to deliver two to three times the output of existing studio monitors.

#### **PATENT-PENDING IMAGE CONTROL WAVEGUIDE**

First introduced in the JBL M2 Master Reference Monitor, the JBL patent-pending, Image Control Waveguide ensures accuracy and neutrality while providing a wide sweet spot with increased sonic detail. By enabling an acoustically seamless transition between the high and low frequency transducers, the 705P delivers accurate imaging across the entire frequency spectrum. The smooth, on- and off-axis frequency response allows the JBL 705P to deliver neutral response across a wide listening area in a broad range of rooms.

#### **INTEGRATED DUAL AMPLIFICATION SYSTEM**

JBL 705P features a built-in dual amplification system that's optimized for its high-output drivers. A 120W amp powers the 2409H high-frequency transducer, while a 250W amp is dedicated to the 725G low-frequency transducer. This combination provides exceptional output and allows greater listening distances, making the 705P ideal for post production or mastering environments.

#### **COMPREHENSIVE DSP-BASED EQ**

Although the 705P design yields exceptional neutrality in any room, the speaker also features on board room equalization, so you can compensate for the adverse effects of room acoustics and enjoy the most accurate sound reproduction in any listening environment. In addition to twelve bands of Room EQ, eight bands of User EQ allow for customized response curves such as the X-Curve, and compensation for "screen-loss" when placed behind a perforated cinema screen. User-enabled digital delay allows virtual alignment of speakers relative to the listening position, while additional AV Synchronization delay is available to compensate for latency in video displays.

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### SYSTEM INTEGRATION ■

- Integrated amplification and digital signal processing (DSP) room EQ
- JBL 7 Series and JBL M2 Master Reference Monitors can be combined for multi-channel systems in any size room
- Compact enclosures and mounting points allow versatile mounting options and unobstructed sight lines
- HARMAN HiQnet™ port enables feature updates as they become available
- Also available: JBL 7 Series install models and the JBL Intonato 24 Monitor Management Tuning System for complete scalable monitoring solutions in multi-channel and immersive applications

### SPECIFICATIONS ■

- JBL 725G low-frequency transducer delivers low-distortion and high SPL
- JBL 2409H high-frequency transducer with low-mass annular diaphragm
- JBL patent-pending Image Control Waveguide
- 2-channel Class-D amplifier HF 120W / LF 250W
- 192 kHz, 32-bit floating point processing
- 12 bands of Room EQ, 8 bands of User EQ
- 6 factory presets, 6 user-defined presets
- 18 milliseconds of Room Delay, 150 milliseconds of AV Sync Delay
- 1 x XLR-1/4" balanced combination analog audio input
- 1 x XLR AES/EBU format digital input with 1 x XLR pass-through output
- Digital input accepts sample rates of up to 192 kHz
- RJ-45 network connection for Harman HiQnet connectivity
- Rear-panel multi-function controls and LCD display allow selection of input sensitivity, input trim, Room EQ, User EQ, Room Delay, AV Sync Delay
- Top and bottom mounting points; birch plywood cabinets reinforced for safe mounting
- Protective steel grilles

### ORDER SPECIFICATIONS ■

<b>BOX DIMS (L X W X H):</b>	14 in x 9.5 in x 16.9 in
<b>SHIPPING WEIGHT:</b>	17.6 lbs
<b>UPC CODE:</b>	691991006326