

JBL 308PMKII

JBL Professional 308P MkII 8-Inch Powered Studio Monitor Instruction Manual

Model: 308PMKII | Brand: JBL

1. INTRODUCTION

The JBL Professional 308P MkII is an 8-inch, 2-way, powered, active studio monitor designed for accurate near-field music production, studio monitoring, and high-fidelity audio playback. This manual provides essential information for setting up, operating, and maintaining your monitor speaker to ensure optimal performance and longevity.



Figure 1: Front view of the JBL Professional 308P MkII Studio Monitor.

2. KEY FEATURES

- **8-inch Woofer and 1-inch Tweeter:** Provides superior bass performance and accurate, crystal-clear highs.
- **JBL Image Control Waveguide Technology:** Delivers stunning detail, precise imaging, and a wide sweet spot.
- **Updated High and Low Frequency Transducers:** Optimized damping for superior transient response and lower harmonic distortion.

- **New Boundary EQ:** Restores neutral low-frequency response when speakers are placed on a work surface or adjacent to walls.
- **Patented Slip Stream Low-Frequency Port:** Ensures superior bass performance at all playback levels.
- **Dual Integrated, Custom Class-D Amplifiers:** Provides 112 watts of power for high output and dynamic range.
- **Flexible Connectivity:** Balanced XLR and 1/4" TRS inputs, +4dBu / -10dBV input-sensitivity switch, and adjustable volume control.
- **Rigorous 100-Hour Full-Power Test:** Ensures years of dependable performance.

3. WHAT'S IN THE BOX

- JBL 308P MkII Studio Monitor (sold individually)
- Power Cable

4. SETUP

4.1. Placement

Optimal placement of your studio monitors is crucial for accurate sound reproduction. Position the speakers so that the tweeters are approximately at ear level when you are in your primary listening position. Ensure an equilateral triangle is formed between the two monitors and your listening position for the best stereo imaging. Avoid placing objects directly in front of the speakers that could obstruct the sound path.



Figure 2: Dimensions of the JBL Professional 308P MkII Studio Monitor (12.1"D x 10"W x 16.5"H).

4.2. Power Connection

1. Ensure the monitor's power switch is in the OFF position.
2. Connect the supplied power cable to the AC IN port on the rear panel of the monitor.
3. Plug the other end of the power cable into a suitable AC power outlet.

4.3. Audio Connections

The 308P MkII offers flexible input options for various audio sources.

1. **Balanced XLR Input:** For professional audio interfaces, mixers, or other equipment with XLR outputs. Connect an XLR cable from your audio source to the BALANCED INPUT (XLR) on the monitor.

2. **Balanced 1/4" TRS Input:** For audio interfaces, mixers, or other equipment with 1/4" TRS outputs. Connect a 1/4" TRS cable from your audio source to the BALANCED INPUT (1/4" TRS) on the monitor.

Using balanced connections (XLR or TRS) is recommended to minimize noise and interference, especially with longer cable runs.



Figure 3: Rear panel connections and controls of the JBL Professional 308P MkII.

4.4. Input Sensitivity

The rear panel features an INPUT SENSITIVITY switch (+4dBu / -10dBV). Set this switch to match the output level of your audio source. For professional equipment, +4dBu is typically used. For consumer-level equipment, -10dBV is often appropriate.

4.5. Acoustic Adjustments

The 308P MkII includes controls to fine-tune its acoustic response to your listening environment.

- **BOUNDARY EQ:** Adjusts the low-frequency response to compensate for speaker placement near walls or corners. Experiment with settings to achieve a neutral bass response.
- **HF TRIM:** Adjusts the high-frequency output to match room acoustics or personal preference.

5. OPERATING INSTRUCTIONS

1. **Power On:** After all connections are made, switch the POWER switch on the rear panel to the ON position. The JBL logo on the front will illuminate.
2. **Volume Control:** Adjust the VOLUME knob on the rear panel to a suitable listening level. It is recommended to start with a low volume and gradually increase it.
3. **Listening:** Begin playback from your audio source. Adjust the volume as needed from both your source and the monitor's volume control.

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Video 1: Official overview of the JBL Professional Studio Monitor, demonstrating its features and design.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the monitor. Avoid using abrasive cleaners or solvents.
- **Ventilation:** Ensure adequate airflow around the monitor to prevent overheating. Do not block the rear port or any ventilation openings.
- **Storage:** If storing the monitor for an extended period, keep it in a dry, dust-free environment, preferably in its original packaging.

7. TROUBLESHOOTING

- **No Sound:**
 - Check if the monitor is powered on and the power cable is securely connected.
 - Verify that the audio cables are correctly connected to both the monitor and the audio source.
 - Ensure the volume knob on the monitor is not set to minimum.
 - Check the input sensitivity switch (+4dBu / -10dBV) matches your audio source.
 - Confirm your audio source is playing and its output volume is adequate.
- **Distorted Sound:**
 - Reduce the volume level on both the monitor and your audio source.
 - Check for damaged audio cables.
 - Ensure the input signal is not too hot (clipping) from your audio source.
- **Hum or Buzz:**
 - Ensure all audio connections are balanced (XLR or TRS).
 - Try connecting the monitor and audio source to the same power outlet.
 - Move audio cables away from power cables.

8. SPECIFICATIONS

Feature	Specification
Speaker Type	2-Way Powered Studio Monitor
Woofer Diameter	8 Inches
Tweeter Diameter	1 Inches
Amplifier Power	112 Watts (Custom Class-D)
Input Voltage	100-240 Volts
Connectivity Technology	Balanced XLR, 1/4" TRS
Product Dimensions	12.1"D x 10"W x 16.5"H
Item Weight	17.87 Pounds
Material	Polyvinyl Chloride (PVC)

Color	Black
Manufacturer	JBL Professional

9. WARRANTY AND SUPPORT

The JBL Professional 308P MkII comes with a Limited Warranty. For specific details regarding warranty coverage, duration, and how to obtain service, please refer to the warranty card included with your product or contact JBL Professional customer support. Keep your proof of purchase for warranty claims.