



Manuals.plus /

› JBL /

› JBL Studio 580 Floorstanding Loudspeaker User Manual

JBL Studio 580

JBL Studio 580 Floorstanding Loudspeaker User Manual

Model: Studio 580 | Brand: JBL

1. INTRODUCTION

Thank you for choosing the JBL Studio 580 Dual 6.5-Inch Floorstanding Loudspeaker. This manual provides essential information for setting up, operating, and maintaining your new speaker to ensure optimal performance and longevity. The JBL Studio 580 is engineered to deliver a high-impact, accurate sound experience, closely duplicating the feel of a live performance, making it ideal for both music and movie systems.



Figure 1: JBL Studio 580 Floorstanding Loudspeaker. This image displays the speaker's tall, black cabinet with its unique horn-loaded tweeter design at the top and the dual woofer section covered by a black grille below. The speaker rests on small, dark feet.

2. WHAT'S IN THE BOX

Upon unpacking, please ensure all the following components are present:

- One (1) JBL Studio 580 Floorstanding Loudspeaker
- Speaker Grilles
- Rubber Feet (for isolation and stability)
- User Manual (this document)

- Warranty Information (potentially)

If any items are missing or damaged, please contact your authorized JBL dealer or customer support.

3. PRODUCT FEATURES

The JBL Studio 580 loudspeaker incorporates advanced acoustic technologies for superior sound reproduction:

- **Dual 6.5-Inch (165mm) Low-Frequency Transducers:** Equipped with stiff, lightweight ribbed PolyPlas cones and Symmetrical Field Geometry (SFG) technology for clean, powerful bass.
- **1-Inch (25mm) High-Frequency Compression Driver:** Features a one-piece Teonex® diaphragm/surround for significantly lower distortion and greater dynamic range.
- **Glass-filled ABS Bi-Radial High-Frequency Horn:** Provides controlled directivity at ear level, minimizing unwanted interaction with room surfaces for cleaner, more realistic high-frequency sound.
- **3/4-Inch (19mm) MDF Enclosure:** Rigid, heavily-braced design with non-parallel surfaces to reduce unwanted resonances, ensuring clearer, more detailed sound.
- **Low Loss, 2-Way Crossover Network:** Smooths the transition between woofers and the HF compression driver/horn, reducing distortion and coloration.
- **Rear-Facing Bass Port:** Increases output and extends bass response.
- **Dual Gold-Plated Binding Posts:** Offers bi-wire capability for increased connection options and enhanced audio performance.
- **Exclusive Design:** A clean and dynamic aesthetic that makes a dramatic statement in any listening environment.

4. SETUP

4.1 Unpacking

Carefully remove the speaker from its packaging. It is recommended to retain the original packaging for future transport or storage. Due to the speaker's weight (approximately 48.9 lbs / 22.2 kg), it is advisable to have assistance when moving or positioning it.

4.2 Installing Rubber Feet

Attach the provided rubber feet to the bottom of the speaker cabinet. These feet help to isolate the speaker from the floor, reducing unwanted vibrations and providing stability. Ensure they are securely fastened.

4.3 Speaker Placement

Proper speaker placement is crucial for optimal sound quality.

- **Stereo Setup:** For a two-channel stereo system, place the speakers equidistant from your primary listening position, forming an equilateral triangle.
- **Distance from Walls:** Experiment with placing the speakers a few feet away from walls to minimize bass reflections and improve soundstage. The rear-facing bass port benefits from some space behind the speaker.
- **Toe-in:** Slightly angle the speakers inward towards the listening position (toe-in) to fine-tune the stereo imaging and high-frequency dispersion.
- **Room Acoustics:** Consider room furnishings and materials, as they can affect sound. Soft furnishings (curtains, carpets) can help absorb reflections, while hard surfaces can cause them.

4.4 Connecting to Your Amplifier/Receiver

The JBL Studio 580 features dual gold-plated binding posts, allowing for standard wiring or bi-wiring.

1. Ensure your amplifier/receiver is turned off before making any connections.
2. Use high-quality speaker cables. Strip approximately 1/2 inch (12mm) of insulation from the ends of the speaker wires.
3. **Standard Wiring:** Connect the positive (+) terminal (red) on the speaker to the positive (+) terminal on your amplifier. Connect the negative (-) terminal (black) on the speaker to the negative (-) terminal on your amplifier. Ensure the metal jumpers connecting the upper and lower binding posts on the speaker are in place.
4. **Bi-Wiring (Optional):** If your amplifier supports bi-wiring, remove the metal jumpers from the speaker's binding posts. Connect one set of speaker cables from your amplifier's positive/negative terminals to the speaker's upper (HF) positive/negative terminals, and another set to the lower (LF) positive/negative terminals. This can potentially improve clarity and dynamics.
5. Double-check all connections to ensure correct polarity (+ to + and - to -) and secure contact.

5. OPERATING

The JBL Studio 580 is a passive loudspeaker and requires an external amplifier or receiver for operation.

- **Power On/Off:** Control the power of your audio system via your amplifier or receiver.
- **Volume Control:** Adjust the listening volume using your amplifier or receiver's volume control.
- **Source Selection:** Select your desired audio source (e.g., CD player, streaming device, turntable) through your amplifier or receiver.
- **Optimal Listening:** Allow the speakers a "break-in" period of several hours of normal use to achieve their full sonic potential. Avoid excessively high volumes for prolonged periods to prevent damage.

6. MAINTENANCE

To keep your JBL Studio 580 loudspeakers in excellent condition:

- **Cleaning:** Dust the cabinet surfaces with a soft, dry cloth. For stubborn marks, use a slightly damp cloth with a mild, non-abrasive cleaner, then wipe dry immediately. Avoid harsh chemicals or abrasive materials.
- **Grilles:** The speaker grilles can be carefully removed for cleaning. Use a soft brush or vacuum cleaner with a brush attachment to remove dust.
- **Avoid Direct Sunlight/Heat:** Do not expose the speakers to direct sunlight or excessive heat, as this can damage the cabinet finish and internal components.
- **Moisture:** Keep the speakers away from sources of moisture or humidity.

7. TROUBLESHOOTING

If you experience issues with your JBL Studio 580 loudspeaker, refer to the following common troubleshooting steps:

- **No Sound:**
 - Ensure your amplifier/receiver is powered on and the correct input source is selected.
 - Check all speaker cable connections at both the speaker and amplifier ends for secure contact and correct polarity.
 - Verify that the volume on your amplifier/receiver is not set to minimum or muted.
- **Distorted Sound:**
 - Reduce the volume level on your amplifier/receiver.
 - Check speaker cable connections for loose strands or short circuits.

- Ensure the amplifier's power output is within the recommended range for the speakers (200 watts recommended amplifier power).
- Test with a different audio source to rule out source-related issues.

- **Unbalanced Sound (One Speaker Louder/Softer):**

- Check the balance control on your amplifier/receiver.
- Verify speaker cable connections for both speakers.
- Ensure both speakers are connected to the correct left/right channels on your amplifier.

If the problem persists after performing these checks, please contact JBL customer support or your authorized dealer.

8. SPECIFICATIONS

Feature	Detail
Low-Frequency Transducers	Two 165mm (6-1/2") PolyPlas™ cones with SFG magnet structures, cast frames and rubber surrounds, magnetically shielded
High-Frequency Transducers	25mm (1") compression driver with neodymium magnet and one-piece Teonex® diaphragm on a glass-filled ABS Bi-Radial horn, magnetically shielded
Recommended Amplifier Power	200 watts
Frequency Response	40Hz – 40kHz (–6dB)
Nominal Impedance	6 ohms
Sensitivity (2.83V/1m)	90dB
Crossover Frequencies	1.5kHz
Enclosure Type	Ported
Connector Type	Dual gold-plated binding posts (bi-wire-capable)
Available Finishes	Black
Dimensions (H x W x D)	42.08" x 9.84" x 13.7" (1069mm x 250mm x 348mm)
Weight	48.9 lb (22.2kg)
Material	Wood (MDF)
Mounting Type	Floor Standing
Model Name	Studio 580
UPC	050036312813

9. WARRANTY AND SUPPORT

Your JBL Studio 580 loudspeaker comes with a Full Warranty. For detailed warranty terms, conditions, and registration information, please refer to the warranty card included in your product packaging or visit the official JBL website. For technical support, service, or additional product information, please visit the [JBL Store on Amazon](#) or the official JBL support website.

