JBL Stage 2 220P

JBL Stage 2 220P Powered Subwoofer Instruction Manual

Introduction

The JBL Stage 2 220P is a 500-watt, 12-inch powered subwoofer designed to enhance your audio experience with deep, powerful bass. Engineered at JBL's Acoustic Engineering Center of Excellence, this subwoofer features a high-excursion Polycellulose low-frequency woofer and dual rear-firing tuned ports for robust sound delivery. This manual provides essential information for proper setup, operation, and care of your subwoofer.

Key Features

- **12-inch (300mm) Polycellulose Ribbed Cone Low-Frequency Woofer:** Delivers powerful and precise bass.
- **250W RMS (500W Dynamic) Amplifier:** Provides ample power for dynamic audio performance.
- **Dual Rear-Firing Tuned Ports:** Enhances bass response and efficiency.
- **Crossover, Level, and Phase Control:** Allows for seamless integration with your existing audio system.

Setup

1. Unpacking

Carefully remove the subwoofer from its packaging. Ensure all components are present. The package includes the subwoofer unit and a power cord.

2. Placement

The placement of your subwoofer significantly impacts its performance. Consider the following:

- **Corner Placement:** Placing the subwoofer in a corner can maximize its output and impact.
- **Wall Placement:** Placing it along a wall can also provide good bass reinforcement.
- **Listening Position:** Experiment with different locations to find the best balance of bass response and integration with your main speakers.

3. Connections

Connect the subwoofer to your audio receiver or amplifier using the appropriate cables. The JBL Stage 2 220P offers various input options:

- **Line-Level LFE Input:** For receivers with a dedicated subwoofer output (LFE/Subwoofer Pre-Out). Use a single RCA cable.
- **Line-Level Stereo Inputs (L/R):** For receivers without a dedicated LFE output. Use a stereo RCA cable to connect to the receiver's stereo pre-outs.



Figure 1: Rear panel connections and controls.

Once connected, plug the subwoofer's power cord into a wall outlet.

Operating Controls

The rear panel of your subwoofer features several controls to fine-tune its performance and integrate it with your audio system.

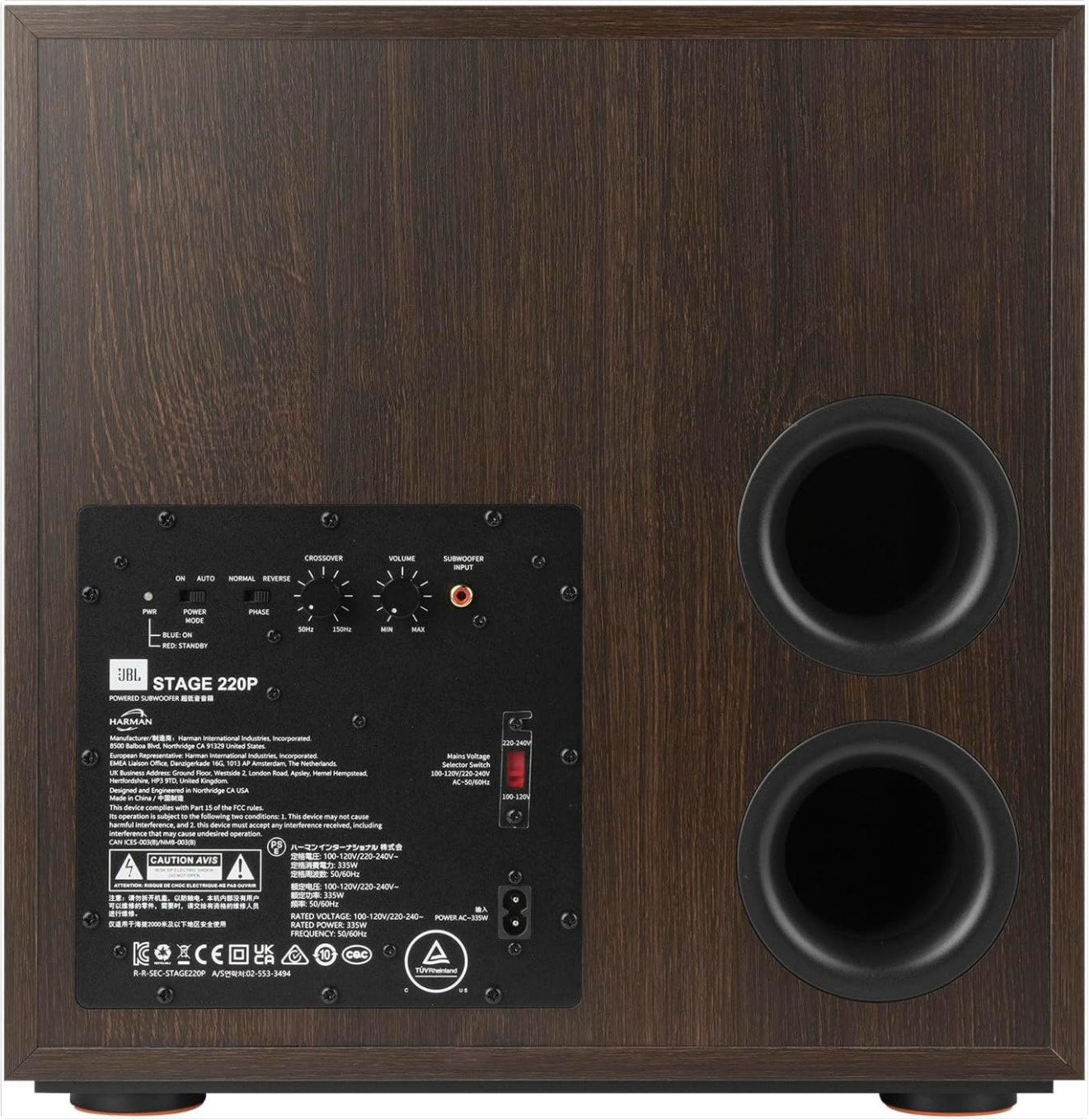


Figure 2: Rear panel with dual tuned ports.

- **Volume (Level) Control:** Adjusts the output level of the subwoofer. Start with a low setting and gradually increase until the bass blends seamlessly with your main speakers.
- **Crossover Control:** Sets the upper frequency limit for the subwoofer. Frequencies above this point will be sent to your main speakers. Adjust this based on the low-frequency capabilities of your main speakers.
- **Phase Control (0°/180°):** Adjusts the phase of the subwoofer's output relative to your main speakers. Experiment with both settings to find the one that produces the most impactful and coherent bass at your listening position.
- **Power Mode (ON/AUTO/OFF):**
    - **ON:** Subwoofer remains on continuously.
    - **AUTO:** Subwoofer automatically turns on when an audio signal is detected and enters standby mode after a period of inactivity.
    - **OFF:** Subwoofer is powered off.

Maintenance

To ensure the longevity and optimal performance of your JBL Stage 2 220P subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the cabinet. Avoid using abrasive cleaners, waxes, or solvents.
- **Dusting:** Regularly dust the woofer cone and grille to prevent buildup.
- **Ventilation:** Ensure adequate airflow around the subwoofer, especially the rear panel, to prevent overheating.
- **Avoid Moisture:** Keep the subwoofer away from water and excessive humidity.

Troubleshooting

If you encounter issues with your subwoofer, refer to the following common troubleshooting steps:

- **No Sound:**
  - Check if the subwoofer is plugged in and powered on (Power Mode set to ON or AUTO).
  - Verify all audio cables are securely connected to both the subwoofer and your receiver/amplifier.
  - Ensure the volume level on the subwoofer and your receiver is not set to minimum or muted.
  - Confirm your receiver's settings are configured to send an LFE signal to the subwoofer.
- **Distorted or Boomy Sound:**
  - Reduce the subwoofer's volume level.
  - Adjust the crossover frequency. A lower crossover setting might improve clarity.
  - Experiment with the phase control (0° or 180°).
  - Try repositioning the subwoofer to a different location in the room.
- **Subwoofer Not Turning On/Off Automatically:**
  - Ensure the Power Mode is set to AUTO.
  - Increase the input signal level from your receiver, as the AUTO mode requires a sufficient signal to activate.

Specifications



Figure 3: Front view of the subwoofer with woofer exposed.

Specification	Detail
Brand	JBL
Model Name	Stage 220P
Item Model Number	JBL220PBLKAM
Speaker Type	Subwoofer
Speaker Size	12 Inches
Woofer Diameter	12 Inches
Speaker Maximum Output Power	500 Watts
Frequency Response	20 Hz
Connectivity Technology	Wired
Subwoofer Connectivity Technology	Wired

Product Dimensions	17.5"D x 15.9"W x 16.4"H
Item Weight	41.1 pounds (18.7 Kilograms)
Material	Plastic, Paper
Color	Espresso
Included Components	Subwoofer
UPC	050036402033

Warranty & Support

The JBL Stage 2 220P Powered Subwoofer comes with a Limited Warranty. For specific details regarding your warranty coverage, including duration and terms, please refer to the warranty information provided with your purchase or contact JBL customer support.

For technical assistance, product registration, or to find authorized service centers, please visit the official JBL website or contact their customer support line. Keep your purchase receipt for warranty claims.

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