

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [JBL](#) /

> [JBL Professional LSR310S 10-Inch Studio Monitor Subwoofer Instruction Manual](#)

## JBL LSR310S

# JBL Professional LSR310S 10-Inch Studio Monitor Subwoofer Instruction Manual

Model: LSR310S

## 1. PRODUCT OVERVIEW

---

The JBL Professional LSR310S is a powered 10-inch studio monitor subwoofer designed to extend the low-frequency performance of any studio monitor system. It delivers deep, dynamic bass response and is an ideal companion for JBL 3 Series studio monitors. Its robust design ensures faithful audio reproduction for critical listening environments.



Figure 1: Front view of the JBL Professional LSR310S Subwoofer. This image displays the sleek black finish and the front-firing port design.

## 2. WHAT'S IN THE BOX

- JBL Professional LSR310S Studio Monitor Subwoofer
- Power Cable
- Set-up Guide



### QUICK SETUP GUIDE

GUIDE DE MISE EN SERVICE RAPIDE (pg.2)  
SCHNELLSTART-ANLEITUNG (pg.3)  
GUIA RÁPIDA DE INSTALACION (pg.4)

**LSR310S**  
10" Powered Studio Subwoofer

Thank you for your purchase of the

**3** POWERED STUDIO SUBWOOFER

### UNPACKING

UNPACKING (SORTIR LE PRODUIT DE L'EMBALLAGE pg. 2)  
(AUSPACKEN pg. 3) (DESEMBALAJE pg. 4)

We recommend the following procedure when unpacking the speaker:

1. Remove the outer shipping carton.
2. Place the inner carton on the floor with the bottom facing upwards.
3. Open the bottom of the box, remove the internal packing materials, and open the protective bag so the subwoofer four feet are exposed.
4. Gently rotate the carton so the feet are the floor.
5. Lift the carton vertically allowing the subwoofer to remain on the floor.

### PLACEMENT

**STEREO SYSTEM**  
plus LSR310S

**5.1 SURROUND SOUND SYSTEM**  
plus LSR310S

This assumes you will be adding the subwoofer to a stereo studio monitor system of two speakers with internal power amplifiers. Position the subwoofer on the floor at a point between the left and right speakers. Placing the subwoofer adjacent to a wall will produce more low frequency output. Placing the subwoofer in a corner produces the maximum bass.

### AUDIO CONNECTIONS

1. Connect professional equipment with balanced outputs to the LEFT and RIGHT XLR or 1/4" TRS INPUTS of the subwoofer using balanced signal cables. Connect consumer equipment with unbalanced outputs to the 1/4" TRS INPUTS of the subwoofer using unbalanced signal cables.
2. Using two balanced XLR male to XLR female cables, connect the LEFT subwoofer output to the LEFT studio monitor input. Connect the RIGHT Subwoofer output to the RIGHT Studio monitor input.
3. Set the INPUT SENSITIVITY SWITCH on the LSR310S to the -10 dBV setting for most applications. Set the switch to the +4 dBu setting when connecting the LSR310S subwoofer to professional equipment with a +4 dBu nominal output level. To determine the nominal output level of the connected equipment, consult the documentation supplied with the connected equipment.

If you notice the sound is distorted, set this switch to the +4 dBu setting. When using the LSR310S with 3 Series Studio Monitors, make sure the input sensitivity switches on both speakers and the subwoofer have the same setting.

**AUDIO SETTINGS:**

1. Set the Crossover Switch to the 80 Hz setting. Or select the XLF setting to hear the enhanced bass tuning used in the dance club environment.
2. Increase the volume control to the full clockwise maximum position.

### POWER CONNECTIONS

1. Confirm the power switch is in the OFF position.
2. Connect the supplied power cord to the power receptacle on the rear of the speaker.
3. Connect the power cord to an available power outlet.

**Note:**  
The LSR310S Subwoofer incorporates a universal power supply allowing it to be used domestically and internationally. The ground terminal of the IEC plug is required by wiring codes and regulations and must always be connected to the electrical installation safety ground.

### MAKING SOUND

1. After connectors are made, reduce the output level of the audio source (mixing console, computer recording system, or preamp) to minimum.
2. Set the 3 Series speakers POWER SWITCHES to the "ON" position. When the POWER INDICATOR on the front of each speaker illuminates, the speakers are ready to reproduce audio signals.
3. Power on connected audio equipment. Slowly advance the volume control of connected audio equipment to achieve a suitable listening level.
4. Adjust the distance between subwoofer and the speakers for the best blend of low frequency. Experiment with the placement of the subwoofer, to find the placement that produces the preferred bass response.
5. Select the rear-panel Polarity Switch to the setting that produces the most bass when listening to music recordings. Generally, this will be the 0° setting (Switch in the OUT position).

To register your product and obtain a comprehensive LSR310S Subwoofer Owner's Manual, please visit [www.jblpro.com/3series](http://www.jblpro.com/3series)  
Part Number: 5042136

Figure 2: Included accessories: Quick Setup Guide and Power Cable.

## 3. SETUP INSTRUCTIONS

Proper setup is crucial for optimal performance of your LSR310S subwoofer. Follow these steps for connection and initial configuration.

### 3.1 Placement

Position the subwoofer on the floor, ideally between your main studio monitors. Experiment with placement to find the optimal bass response for your listening environment. The patented JBL front-firing Slip Stream™ port design allows for flexible placement without compromising low-frequency extension.



Figure 3: Side view of the JBL Professional LSR310S Subwoofer, showing its compact design suitable for various placements.

### 3.2 Audio Connections

The LSR310S features professional balanced XLR and 1/4" TRS inputs and XLR outputs, allowing seamless integration into any studio monitor system or for use as an LFE channel in a surround sound setup.

- Connect your audio source (e.g., audio interface, mixer) to the **INPUTS** on the subwoofer using balanced XLR or 1/4" TRS cables.
- Connect the **OUTPUTS** of the subwoofer to your main studio monitors. The subwoofer will pass the processed signal to your monitors.
- Ensure all connections are secure.



Figure 4: Rear panel of the LSR310S, detailing the input/output connections and control knobs.

### 3.3 Power Connection

- Connect the provided power cable to the AC inlet on the rear panel of the subwoofer.
- Plug the other end of the power cable into a grounded AC outlet.
- Ensure the power switch is in the OFF position before connecting to power.

## 4. OPERATING INSTRUCTIONS

Familiarize yourself with the controls on the rear panel to optimize your listening experience.

### 4.1 Initial Power-Up

- After all connections are made, switch the power button to the ON position. The power indicator will illuminate.
- Slowly increase the volume of your audio source and the subwoofer to a comfortable listening level.

### 4.2 Controls Overview

- **Volume Control:** Adjusts the overall output level of the subwoofer.
- **Crossover Frequency:** Select the crossover point (e.g., 80 Hz, 100 Hz, 120 Hz) to seamlessly integrate the subwoofer with your main monitors.
- **Polarity Switch:** Adjusts the phase of the subwoofer (0° or 180°) to ensure optimal acoustic alignment with your main monitors.
- **-10dBV/+4dBu Sensitivity Switch:** Ensures compatibility with a broad range of signal sources, preventing input overload from high-output professional equipment.
- **XLF Setting:** Activates an extended low-frequency tuning that emulates the bass response found in dance clubs, providing an inspiring sound for dance music production.

## 5. FEATURES

- **Patented Slip Stream™ Port:** This unique port design works in concert with the 10-inch low-frequency driver for deep, dynamic bass response at all playback levels. Its double-flared shape optimizes low-frequency extension.
- **XLF Extended Low Frequency Setting:** A JBL innovation, this setting emulates the ample bass tuning used in today's dance clubs, inspiring producers working on dance tracks.
- **Custom-Designed 10-inch Driver:** Engineered for deep low-frequency response down to 20 Hz and 113 dB peak output, ensuring long-term reliability even at full rated power.
- **Professional Balanced Inputs and Outputs:** Features balanced XLR and 1/4" inputs and XLR outputs for versatile connectivity with any studio monitor system or surround sound setup.
- **Selectable Input Sensitivity:** The -10dBV/+4dBu sensitivity switch ensures compatibility with various signal sources, preventing input overload from high-output professional equipment.

## 6. SPECIFICATIONS

Specification	Value
Model Name	LSR310S
Speaker Type	Subwoofer
Woofer Diameter	10 Inches (25.4 Centimeters)
Speaker Maximum Output Power	200 Watts
Frequency Response	27 Hz
Signal-to-Noise Ratio	113 dB
Connectivity Technology	Wired (2 x XLR, 2 x TRS Balanced)
Audio Output Mode	Stereo, Surround
Product Dimensions	15.7"D x 15"W x 17.7"H
Item Weight	34.3 pounds (15.6 Kilograms)
Material	Polyvinyl Chloride (PVC)
Color	Black
Input Voltage	110 Volts

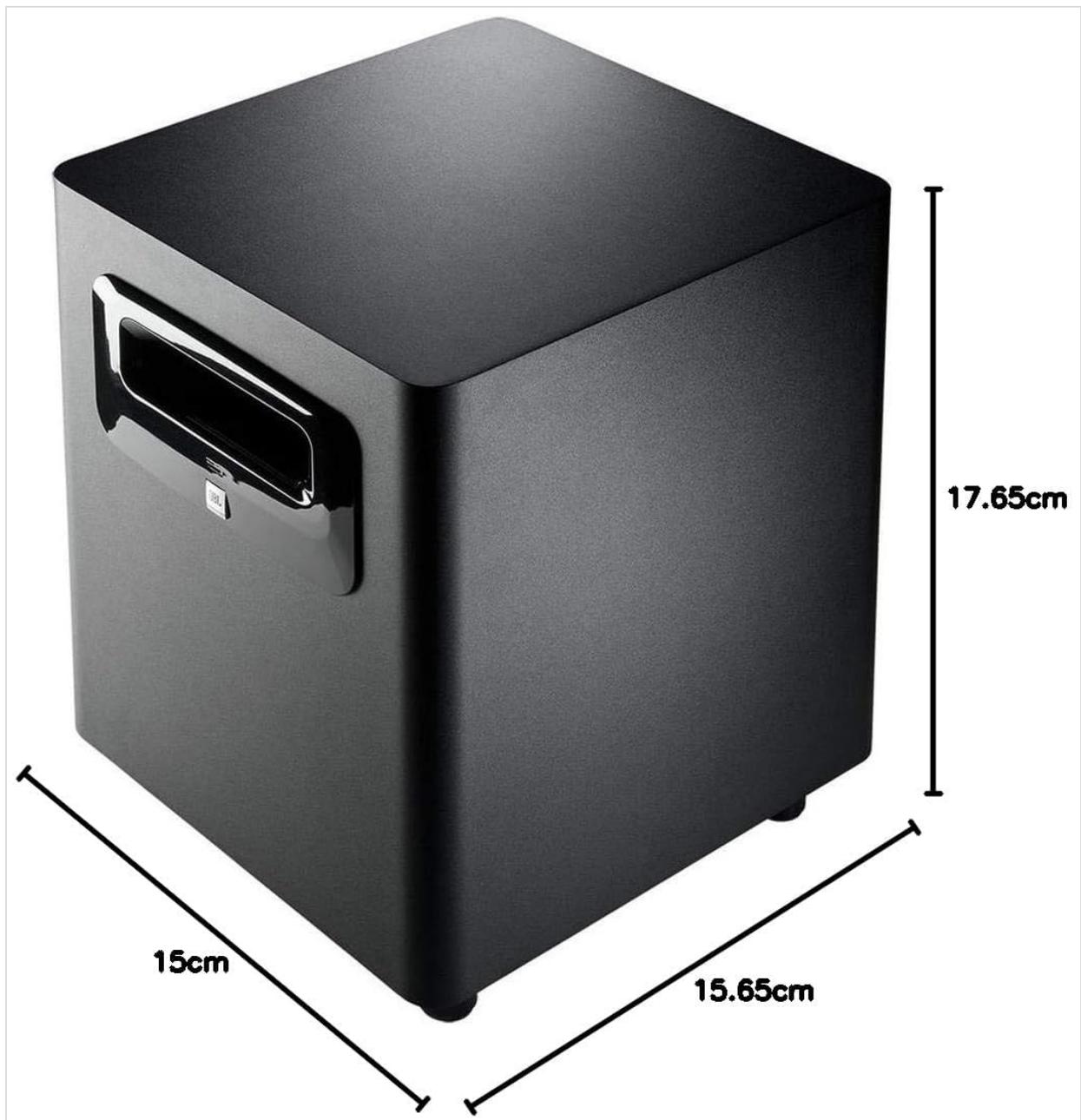


Figure 5: Dimensions of the JBL Professional LSR310S Subwoofer.

## 7. TROUBLESHOOTING

If you encounter issues with your LSR310S subwoofer, refer to the following common troubleshooting steps:

- **No Sound:** Ensure the subwoofer is powered on, the volume is turned up, and all audio cables are securely connected. Check the audio source for output.
- **Distorted Sound:** Verify that the input sensitivity switch is correctly set for your equipment. Reduce the volume of the subwoofer and/or the audio source. Check for damaged cables.
- **Hum or Buzz:** Ensure all equipment is properly grounded. Try using the Ground Lift switch if available on your audio interface or mixer. Check for loose connections.
- **Weak Bass:** Adjust the volume and crossover frequency settings. Experiment with subwoofer placement in your room. Ensure the polarity switch is correctly set for optimal phase alignment with your main monitors.

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your JBL Professional LSR310S subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the subwoofer. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish.
- **Ventilation:** Ensure adequate airflow around the subwoofer. Do not block the rear panel or any vents.
- **Environment:** Operate the subwoofer in a stable environment, away from extreme temperatures, humidity, and direct sunlight.
- **Cable Management:** Keep audio and power cables organized and free from kinks or excessive tension to prevent damage.

## 9. OFFICIAL PRODUCT VIDEOS

---

Watch the official product video for an overview of JBL Studio Monitors, including the 3 Series, which the LSR310S is a part of.

Video 1: Overview of JBL LSR305 5" 2-Way Powered Studio Monitor. This video provides insights into the JBL 3 Series studio monitors, which the LSR310S subwoofer is designed to complement.

## 10. WARRANTY & SUPPORT

---

### 10.1 Warranty Information

The JBL Professional LSR310S Subwoofer comes with a Limited Warranty. Please refer to the detailed warranty card included in your product packaging or visit the JBL Professional website for specific terms and conditions regarding coverage duration and service.

### 10.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact JBL Professional customer support. Contact details can be found in your product documentation or on the official JBL Professional website.