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› [LITTOAK](#) /

› LITTOAK BS02 6.5-Inch Powered Subwoofer Instruction Manual

LITTOAK BS02

LITTOAK BS02 6.5-Inch Powered Subwoofer Instruction Manual

Model: BS02 | Brand: LITTOAK

IMPORTANT SAFETY INSTRUCTIONS

Please read and follow all safety instructions carefully before operating this product. Keep this manual for future reference.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel.

WHAT'S INCLUDED

Verify that all items are present in the package:

- 1 x LITTOAK BS02 6.5-Inch Powered Subwoofer
- 1 x Stereo RCA to 3.5mm Audio Cable
- 1 x AC Power Cord

- 1 x Quick Start Guide



Image: The LITTOAK BS02 subwoofer with its dimensions (9.96 inches wide, 12.92 inches high) and the included accessories: a power cord, a stereo RCA to 3.5mm audio cable, and a quick start guide.

PRODUCT OVERVIEW

The LITTOAK BS02 is a compact yet powerful 6.5-inch powered subwoofer designed to enhance your home audio experience with deep, clear bass.

Key Features

- **DSP & Class-D Amplifier:** Advanced Digital Signal Processing (DSP) combined with a Class-D amplifier drives the 6.5-inch woofer, delivering 60W RMS / 100W peak power for rich, deep bass.
- **Precise Bass Control:** Features a frequency response down to 40Hz and an adjustable low pass dial (40-250Hz) to seamlessly integrate with your main speakers.
- **Energy-Saving Auto-Standby:** Automatically powers down after 15 minutes of inactivity to conserve energy and reduce electricity costs.
- **Durable Construction:** Built with a low-distortion MDF cabinet for reliable, long-lasting performance.
- **Versatile Connectivity:** Equipped with both Line In and LFE In ports for easy connection to various audio devices.



Image: A close-up view of the LITTOAK BS02 subwoofer highlighting its built-in 6.5-inch woofer and Class-D amplifier, emphasizing efficient and powerful bass output.

ENERGY-SAVING AUTO-STANDBY FUNCTION

The subwoofer's auto-standby function powers down when idle, reducing unnecessary energy use and helping cut electricity costs.



Image: The LITTOAK BS02 subwoofer illustrating its capability for 40Hz deep bass, powered by DSP technology for immersive audio.

CLASS-D AMP-POWERED 6.5-INCH SUBWOOFER

Advanced DSP and a Class-D amplifier team up to drive the 6.5-inch woofer, delivering 60W RMS / 100W peak power for rich deep bass that amplifies movie, music, and gaming immersion.



Image: The LITTOAK BS02 subwoofer in a living room setting, demonstrating its automatic standby feature that activates after 15 minutes of inactivity to save energy.

LOW-DISTORTION MDF CABINET

The BS02's acoustically optimized cabinet reduces resonance and coloration, producing clean, effortless low-frequency detail with robust bass.



Image: A close-up of the LITTOAK BS02 subwoofer's cabinet, emphasizing its durable, low-distortion MDF construction for long-lasting performance.

SETUP

Placement

For optimal performance, place the LITTOAK BS02 subwoofer on the floor in a location that allows for proper sound dispersion and minimizes vibrations. Its down-firing design is optimized for floor placement.

Connections

The LITTOAK BS02 offers versatile connection options to integrate with your existing audio system.



Image: The rear panel of the LITTOAK BS02 subwoofer, highlighting the Line In (RCA) and LFE In ports for flexible audio connections.

Connecting via Line In (RCA)

Use the supplied Stereo RCA to 3.5mm Audio Cable to connect devices with an AUX Out port (e.g., soundbars, bookshelf speakers, receivers, DVD/Blu-ray players, turntables with Audio Out).

1. Ensure your audio source (TV, phone, player) is playing through a mid-to-high frequency device (e.g., soundbar).
2. Connect the 3.5mm end of the audio cable to the AUX OUT port on your device.
3. Connect the RCA ends of the audio cable to the LINE IN (L/R) ports on the LITTOAK BS02 subwoofer.



Image: A visual guide demonstrating how to connect the LITTOAK BS02 subwoofer to a speaker system that features an Aux Out port using the provided RCA to 3.5mm audio cable.

Connecting via LFE In (RCA)

For devices with a dedicated Sub Out or LFE Out port, use a subwoofer cable (not supplied) to connect to the LFE In port on the LITTOAK BS02.

1. Connect one end of a subwoofer cable (not supplied) to the SUB OUT or LFE OUT port on your device.
2. Connect the other end of the subwoofer cable to the LFE IN port on the LITTOAK BS02 subwoofer.



Image: A diagram illustrating the connection of the LITTOAK BS02 subwoofer to a soundbar equipped with a Sub Out port, ensuring proper low-frequency signal transmission.

Video Guide: Connecting Your Subwoofer

Video: This video demonstrates how to connect the LITTOAK subwoofer using both AUX OUT and SUB OUT ports, and how to adjust the volume, low pass filter, and phase switch. While the video references model BS01, the connection methods and controls are applicable to the BS02 model.

OPERATING INSTRUCTIONS

Power On/Off

- Locate the power switch on the rear panel of the subwoofer.
- Flip the switch to the 'ON' position to power on the subwoofer. The power LED will illuminate.
- To power off, flip the switch to the 'OFF' position.

Auto-Standby Function

The subwoofer features an auto-standby function to save energy. If no audio signal is detected for approximately 15 minutes, the subwoofer will automatically enter standby mode. It will automatically wake up when an audio signal is detected again.

Volume Adjustment

Use the 'VOLUME' dial on the rear panel to adjust the overall output level of the subwoofer. Turn clockwise to increase volume and counter-clockwise to decrease it.

Low Pass Filter Adjustment

The 'LOW PASS' dial allows you to set the upper frequency limit for the subwoofer, ensuring a smooth blend with your main speakers. The frequency range is 40Hz to 250Hz.

- Turn the dial to select the desired crossover frequency.
- A lower setting means the subwoofer will only play very low frequencies, while a higher setting allows it to play a broader range of bass frequencies.
- Adjust this setting to achieve the most balanced sound with your main speakers.

Phase Switch

The 'PHASE' switch (0°/180°) helps to ensure that the subwoofer's output is in sync with your main speakers, preventing cancellation or reinforcement of bass frequencies.

- Experiment with both 0° and 180° settings to find the position that provides the most impactful and coherent bass in your listening environment.
- Typically, the setting that produces the loudest and most defined bass at your listening position is the correct one.

Maintenance

To ensure the longevity and optimal performance of your LITTOAK BS02 subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior surfaces. Avoid using abrasive cleaners, waxes, or solvents.
- **Placement:** Keep the subwoofer away from direct sunlight, heat sources, and areas with high humidity or dust.
- **Ventilation:** Ensure that the ventilation openings are not blocked to prevent overheating.
- **Power:** Unplug the subwoofer from the power outlet during electrical storms or when it will be left unused for extended periods.

Troubleshooting

If you encounter any issues with your LITTOAK BS02 subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Power cord not securely connected; Power outlet not active; Power switch is OFF.	Check power cord connection; Try a different power outlet; Ensure power switch is ON.
No Sound	Audio cables not connected correctly; Volume too low; Audio source issue.	Verify all audio connections; Increase subwoofer volume; Check audio source output.
Distorted Sound	Volume too high; Audio source distortion; Incorrect Low Pass setting.	Reduce subwoofer volume; Check audio source for distortion; Adjust Low Pass filter.
Weak Bass	Low Pass filter set too low; Incorrect Phase setting; Subwoofer placement.	Increase Low Pass filter frequency; Toggle Phase switch (0°/180°); Experiment with subwoofer placement.

Specifications

Feature	Detail
Model Name	BS02

Feature	Detail
Speaker Type	Subwoofer
Special Feature	Auto on/off, LED Light
Color	Black
Product Dimensions	9.96"D x 9.96"W x 12.91"H
Speaker Size	6.5 Inches
Signal-to-Noise Ratio	85 dB
Speaker Maximum Output Power	100 Watts (Peak)
Connectivity Technology	RCA
Mounting Type	On the floor
Material	Wood (MDF Cabinet)
Item Weight	11.28 pounds

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the Quick Start Guide included in your package or contact LITTOAK customer service directly. Contact details are typically provided on the product packaging or the official brand website.