

## KALI AUDIO WS-6.2

# KALI AUDIO WS-6.2 Studio Subwoofer User Manual

Model: WS-6.2

## INTRODUCTION

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The KALI AUDIO WS-6.2 is a studio subwoofer featuring two 6.5-inch high-excursion woofers. It is engineered for powerful audio performance within a compact footprint, occupying less than half the space of comparable subwoofers. The WS-6.2 delivers a maximum SPL of 120 dB and extends down to a 27 Hz lower frequency response. Its horizontally opposed woofers are designed to minimize vibration. A built-in 80 Hz high-pass output facilitates seamless integration with popular studio monitors, including Kali's LP- and IN-Series. A dedicated footswitch jack allows users to bypass both the subwoofer and its crossover, enabling full-range monitoring. The subwoofer supports LFE mode and external crossover configurations, and its polarity can be reversed as needed.



Image: Front view of the KALI AUDIO WS-6.2 Studio Subwoofer, showcasing its compact design and front-facing port.

## SAFETY INSTRUCTIONS

- **Power Source:** Connect the subwoofer only to a power supply of the type described in this manual or marked on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

- **Water and Moisture:** Do not expose this apparatus to rain or moisture. Do not use near water or in wet locations.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth. Unplug this apparatus during lightning storms or when unused for long periods of time.
- **Servicing:** Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1 x KALI AUDIO WS-6.2 Studio Subwoofer
- 1 x Power Cable
- 1 x User Manual (this document)

## PRODUCT FEATURES

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- **Dual 6.5-inch High-Excursion Woofers:** Delivers powerful and accurate low-frequency reproduction.
- **Compact Design:** Space-saving form factor suitable for various studio environments.
- **Wide Frequency Response:** Extends down to 27 Hz for deep bass.
- **High Max SPL:** Capable of 120 dB maximum sound pressure level.
- **Horizontally Opposed Woofers:** Minimizes cabinet vibration for cleaner bass.
- **Built-in 80 Hz High-Pass Output:** Optimizes integration with studio monitors.
- **Footswitch Jack:** Allows bypassing the subwoofer and crossover for full-range monitoring (footswitch sold separately).
- **Flexible Crossover Settings:** Supports 80 Hz, LFE mode, or external crossover.
- **Polarity Reversal:** Provides phase alignment with main monitors.

## CONTROLS AND CONNECTIONS

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The rear panel of the WS-6.2 subwoofer provides all necessary controls and input/output connections for integration into your audio system.



Image: Rear panel of the KALI AUDIO WS-6.2 Studio Subwoofer, detailing the various inputs, outputs, and control knobs.

1. **XLR Inputs (L/R):** Balanced inputs for connecting to your audio interface or mixer.
2. **TRS Inputs (L/R):** Balanced 1/4-inch inputs for alternative connections.
3. **RCA Inputs (L/R):** Unbalanced inputs for consumer-grade audio equipment.
4. **XLR Outputs (L/R):** Balanced outputs to connect to your main studio monitors. These outputs can be high-passed at 80 Hz.
5. **Gain Control:** Adjusts the input sensitivity and overall volume of the subwoofer.
6. **Crossover Frequency Selector:** Allows selection of the crossover point (e.g., 80 Hz, LFE, External).

7. **Polarity Switch:** Reverses the phase of the subwoofer output by 180 degrees.
8. **Footswitch Jack:** Connect a standard footswitch (not included) to bypass the subwoofer and crossover.
9. **Power Switch:** Turns the subwoofer on or off.
10. **AC Power Inlet:** Connects the included power cable to an AC power source.

## SETUP

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### 1. Placement Recommendations

- **Room Acoustics:** Subwoofer placement significantly impacts sound quality. Experiment with different positions in your room.
- **Corner Placement:** Placing the subwoofer in a corner can reinforce bass, but may also lead to muddiness.
- **Mid-Wall Placement:** Often provides a more balanced bass response.
- **Listening Position:** The "subwoofer crawl" method involves placing the subwoofer at your listening position, then crawling around the room to find where the bass sounds best. Place the subwoofer in that spot.
- **Horizontally Opposed Woofers:** The WS-6.2's design minimizes vibration, allowing for more flexible placement without concern for cabinet resonance.

### 2. Connecting to Your System

The WS-6.2 can be integrated into various studio setups. The most common method involves connecting your audio interface or mixer to the subwoofer, and then connecting the subwoofer to your main studio monitors.

1. Connect the outputs of your audio interface or mixer to the **XLR, TRS, or RCA Inputs** on the WS-6.2. Use balanced cables (XLR or TRS) for optimal signal integrity.
2. Connect the **XLR Outputs** of the WS-6.2 to the inputs of your main studio monitors. The signal sent to your monitors will be high-passed at 80 Hz when this setting is active on the subwoofer.
3. If using a footswitch (sold separately), connect it to the **Footswitch Jack**.

### 3. Power Connection

- Ensure the subwoofer's **Power Switch** is in the OFF position.
- Connect the included power cable to the **AC Power Inlet** on the rear panel of the subwoofer.
- Plug the other end of the power cable into a suitable AC power outlet.

## OPERATING INSTRUCTIONS

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### 1. Powering On/Off

- To power on, flip the **Power Switch** to the ON position. The LED indicator on the front panel will illuminate.
- To power off, flip the **Power Switch** to the OFF position.

### 2. Adjusting Settings

- **Gain Control:** Adjust the **Gain Control** knob on the rear panel to match the output level of your main monitors. Start with a low setting and gradually increase until the subwoofer blends seamlessly with your monitors.
- **Crossover Frequency:** Use the **Crossover Frequency Selector** to choose the desired setting:
  - **80 Hz:** Standard setting for most studio monitors, high-passing the signal to your main monitors at 80 Hz.

- **LFE:** For use in surround sound systems where the Low-Frequency Effects channel is managed by a dedicated processor.
- **External:** Bypasses the internal crossover, allowing an external crossover unit to manage the frequency division.
- **Polarity Switch:** If the bass sounds weak or out of phase, try flipping the **Polarity Switch**. This can help align the phase of the subwoofer with your main monitors, resulting in a tighter, more impactful bass response.
- **Footswitch Functionality:** When a footswitch is connected, pressing it will bypass the subwoofer and its internal crossover, allowing you to hear your mix on your full-range monitors without the subwoofer's contribution. Pressing it again will re-engage the subwoofer.

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the exterior of the subwoofer. Do not use liquid cleaners or aerosols, as they may damage the finish or internal components.
- **Ventilation:** Ensure that the ventilation openings are kept clear of dust and debris to prevent overheating.
- **Storage:** If storing the subwoofer for an extended period, disconnect it from power and store it in a cool, dry place, preferably in its original packaging.

## TROUBLESHOOTING

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### Common Issues and Solutions:

- **No Sound:**
  - Check if the subwoofer is powered on and the LED indicator is lit.
  - Verify all audio cables are securely connected to both the subwoofer and your audio source/monitors.
  - Ensure the gain control is not set to minimum.
  - Check the output level of your audio source.
- **Distorted Sound:**
  - Reduce the input level from your audio source or the gain control on the subwoofer.
  - Ensure cables are not damaged or faulty.
  - Check for proper impedance matching if applicable.
- **Hum or Buzz:**
  - Ensure all equipment is connected to the same electrical outlet or power strip to avoid ground loops.
  - Try using balanced cables (XLR or TRS) if currently using unbalanced (RCA).
  - Disconnect inputs one by one to identify the source of the hum.
- **Weak or Unclear Bass:**
  - Adjust the subwoofer's placement in the room.
  - Try flipping the **Polarity Switch**.
  - Ensure the crossover frequency is set appropriately for your main monitors.

## SPECIFICATIONS

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**Brand**

KALI AUDIO

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<b>Model Name</b>	WS-6.2
<b>Speaker Type</b>	Subwoofer
<b>Woofer Diameter</b>	6.5 Inches (x2)
<b>Speaker Maximum Output Power</b>	600 Watts
<b>Frequency Response</b>	27 Hz - 200 Hz (adjustable)
<b>Maximum SPL</b>	120 dB
<b>Connectivity Technology</b>	1/4 Inch TRS, RCA, XLR (Wired)
<b>Audio Output Mode</b>	Stereo, Mono
<b>Mounting Type</b>	Tabletop Mount
<b>Enclosure Material</b>	Plastic
<b>Additional Features</b>	Horizontally Opposed Woofers, Front-ported
<b>Color</b>	Black
<b>Item Dimensions (D x W x H)</b>	10.98"D x 15.75"W x 14.49"H (27.9 cm x 40 cm x 36.8 cm)
<b>Item Weight</b>	15 Kilograms (33 lbs)
<b>Power Source</b>	Corded Electric
<b>Compatible Devices</b>	Laptop, Mixer, Smartphone, Studio Monitor

## WARRANTY INFORMATION

The KALI AUDIO WS-6.2 Studio Subwoofer comes with a **Limited Warranty**. Please refer to the warranty card included with your product or visit the official KALI AUDIO website for detailed terms and conditions regarding coverage, duration, and claims procedures.

## CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact KALI AUDIO customer support. Contact information can typically be found on the official KALI AUDIO website or on the product packaging.

**Online Resources:** Visit the KALI AUDIO website for FAQs, updated manuals, and support articles.