

KALI AUDIO LP-UNF

KALI AUDIO LP-UNF 4-inch Ultra Nearfield Powered Monitor System with Bluetooth

Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the KALI AUDIO LP-UNF 4-inch Ultra Nearfield Powered Monitor System. Please read this manual thoroughly before operating the device to ensure proper setup, optimal performance, and safety. Retain this manual for future reference.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the unit and ensure user safety:

- **Power Source:** Connect the unit only to the specified power supply.
- **Ventilation:** Ensure adequate ventilation around the speakers. Do not block ventilation openings.
- **Moisture:** Do not expose the unit to rain or moisture. Avoid placing liquid-filled objects on the speakers.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Cleaning:** Disconnect the power cord before cleaning. Use a dry cloth for cleaning.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- KALI AUDIO LP-UNF Powered Monitor (Primary)
- KALI AUDIO LP-UNF Powered Monitor (Secondary)
- Power Cable
- Inter-speaker Connection Cable
- Power Adapter
- Remote Control (if included with specific model variant)

- This Instruction Manual



Image: Rear panel of the LP-UNF monitor showing input/output options and included power cable, inter-speaker cable, and power adapter.

4. PRODUCT OVERVIEW

The KALI AUDIO LP-UNF is a 4-inch Ultra Nearfield Powered Monitor System designed for accurate audio reproduction in studio and home environments. It features a 4.5-inch woofer and a 1-inch tweeter, with various input options including USB-C, TRS, RCA, and Bluetooth connectivity.

4.1 Front Panel



Image: Front view of two LP-UNF monitors, highlighting the woofer, tweeter, and front-firing port.

- **Tweeter:** 1-inch soft dome tweeter for high-frequency reproduction.
- **Woofer:** 4.5-inch high-excursion woofer for low and mid-frequency reproduction.
- **Front-Firing Port:** Designed to minimize port noise and compression.
- **Volume Control / LED Indicator:** Integrated control for adjusting output level and indicating power/status.

4.2 Rear Panel



Image: Detailed view of the LP-UNF rear panel, showing various input connectors, power switch, and DIP switches for acoustic tuning.

- **TRS Input:** Balanced 1/4-inch input for professional audio equipment.
- **RCA Input:** Unbalanced input for consumer audio devices.
- **USB-C Input:** Digital audio input for computers and mobile devices.
- **Bluetooth Antenna:** For wireless audio streaming.
- **DIP Switches:** For acoustic boundary compensation and EQ adjustments.
- **Power Input:** 24VDC power connection.
- **Power Switch:** On/Off control for the monitor.
- **Output to Secondary:** Connection for the passive secondary speaker.

5. SETUP

5.1 Placement

Proper placement is crucial for optimal sound reproduction. The LP-UNF monitors are designed for ultra-nearfield listening, typically at arm's length (around 0.8 meters or 31 inches) from the listener.

- **Stereo Triangle:** Position the speakers and your listening position to form an equilateral triangle.
- **Ear Level:** Ensure the tweeters are at approximately ear level.
- **Isolation:** Use isolation pads or stands to decouple the speakers from your desk surface, reducing unwanted vibrations.



Image: LP-UNF monitors positioned on stands on a desk, demonstrating a typical nearfield setup with a laptop.

5.2 Connections

The LP-UNF system consists of one primary (active) speaker and one secondary (passive) speaker. All inputs and controls are located on the primary speaker.

1. **Connect Secondary Speaker:** Use the provided inter-speaker cable to connect the 'Output to Secondary' port on the primary speaker to the 'Input From Primary' port on the secondary speaker. Ensure a secure connection.
2. **Connect Audio Source:** Choose one of the following input methods:
 - **USB-C:** Connect a USB-C cable from your computer or compatible device to the USB-C input on the primary speaker.
 - **TRS:** Connect balanced 1/4-inch TRS cables from your audio interface or mixer to the TRS inputs (L/R) on the primary speaker.
 - **RCA:** Connect RCA cables from your audio device to the RCA inputs (L/R) on the primary speaker.
 - **Bluetooth:** Refer to Section 6.3 for Bluetooth pairing instructions.
3. **Connect Power:** Connect the power adapter to the 24VDC input on the primary speaker, then plug the power cable into a wall outlet.



Image: Rear view of the LP-UNF monitors showing the inter-speaker cable connecting the primary and secondary units, along with other input connections.

5.3 Boundary Compensation EQ Settings

The LP-UNF features DIP switches on the rear panel to adjust the speaker's frequency response based on its placement in your room. This helps to compensate for acoustic anomalies caused by boundaries (walls, desks).



Image: Close-up of the DIP switches on the LP-UNF rear panel, illustrating various settings for acoustic compensation.

Refer to the diagram on the rear panel for specific switch configurations. Common settings include:

- **Free Space:** For speakers placed on stands away from walls.
- **On Desk, Near Wall:** For speakers placed on a desk close to a wall.
- **On Desk, Corner:** For speakers placed on a desk in a corner.
- **+/- 2dB High Frequency:** Adjusts the treble response.
- **+/- 2dB Low Frequency:** Adjusts the bass response.
- **LED On/Off:** Controls the front panel LED indicator.

Experiment with these settings to find the most accurate sound for your listening environment.

6. OPERATION

6.1 Power On/Off

Locate the power switch on the rear panel of the primary speaker. Flip the switch to the 'ON' position to power on the system. The front panel LED will illuminate. Flip the switch to 'OFF' to power down.

6.2 Volume Control

The volume can be adjusted using the controls on the front panel of the primary speaker or via the included remote control. The front panel features '+' and '-' buttons to increase or decrease the volume. The LED indicator will change intensity or color to reflect the current volume level.



Image: Close-up of the LP-UNF front panel, showing the illuminated blue LED indicator and the '+' and '-' volume control markings.

6.3 Bluetooth Pairing

To pair a Bluetooth device:

1. Ensure the LP-UNF system is powered on.
2. Activate Bluetooth on your primary speaker (refer to specific model instructions if a dedicated Bluetooth button is present, otherwise it may automatically enter pairing mode when no other input is active).
3. On your mobile device or computer, go to Bluetooth settings and search for available devices.
4. Select "KALI AUDIO LP-UNF" from the list.
5. Once connected, the LED indicator on the speaker may change to confirm pairing.

7. MAINTENANCE

Regular maintenance ensures the longevity and performance of your LP-UNF monitors.

- **Cleaning:** Use a soft, dry cloth to wipe down the exterior of the speakers. Do not use liquid cleaners or abrasive materials.
- **Dust:** Periodically remove dust from the speaker cones and ports using a soft brush or compressed air.
- **Cables:** Inspect all cables for damage or wear. Replace any damaged cables immediately.
- **Storage:** If storing the speakers for an extended period, disconnect them from power and store them in a cool, dry place, preferably in their original packaging.

8. TROUBLESHOOTING

If you encounter issues with your LP-UNF system, refer to the following common troubleshooting steps:

- **No Power:**

- Ensure the power cable is securely connected to both the speaker and the power outlet.
- Verify the power switch on the rear panel is in the 'ON' position.
- Check if the power outlet is functional.

- **No Sound:**

- Confirm the volume is turned up on both the speakers and your audio source.
- Check all audio cables for secure connections and damage.
- Ensure the correct input source is selected (if applicable, for models with input selection).
- If using Bluetooth, ensure the device is paired and connected.
- Verify the inter-speaker cable is firmly connected between the primary and secondary units.

- **Distorted Sound:**

- Reduce the volume on both the speakers and the audio source.
- Check for damaged cables.
- Ensure the input signal is not overdriving the speakers.

- **Bluetooth Connectivity Issues:**

- Ensure the speakers are not already paired to another device.
- Move your Bluetooth device closer to the speakers.
- Try unpairing and re-pairing the device.

If problems persist, contact KALI AUDIO customer support.

9. SPECIFICATIONS

Model Name	LP-UNF
Speaker Type	Monitor
Woofers Diameter	4.5 Inches
Tweeter Diameter	1 Inch
Speaker Maximum Output Power	160 Watts
Frequency Response	39 Hz - 25 kHz (± 3 dB)
Connectivity Technology	1/4 inch TRS, Bluetooth, RCA, USB-C
Wireless Communication Technology	Bluetooth
Bluetooth Range	Up to 33 Feet (10 Meters)
Product Dimensions	18.31"D x 12.01"W x 14.96"H (per speaker, approximate)
Item Weight	17.6 pounds (8 Kilograms)
Material	MDF
Power Source	Corded Electric
Control Method	Remote

10. WARRANTY AND SUPPORT

10.1 Limited Warranty

The KALI AUDIO LP-UNF Monitor System comes with a limited warranty. Please refer to the warranty card included with your product or visit the KALI AUDIO official website for detailed terms and conditions regarding warranty coverage, duration, and claims process.

10.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact KALI AUDIO customer support through their official website or the contact information provided with your purchase documentation.