LEKATO LA2896

LEKATO LA2896 Rechargeable Bluetooth USB Audio Interface User Manual

1. INTRODUCTION

This manual provides detailed instructions for the LEKATO LA2896 Rechargeable Bluetooth USB Audio Interface. This device is designed to facilitate high-quality audio recording, streaming, and podcasting across various platforms and devices. Please read this manual thoroughly to ensure proper setup and operation.

Figure 1: LEKATO LA2896 Audio Interface
The LEKATO LA2896 is a compact and versatile audio interface featuring multiple input options, built-in effects, and rechargeable battery for portable use.

2. KEY FEATURES

- **Wireless Connectivity:** Bluetooth 5.0 and USB OTG for seamless connection to iOS/Android devices and computers.
- **Long Battery Life:** Rechargeable Lithium Polymer battery provides over 5 hours of working time on a single charge.
- **Professional Audio Quality:** Advanced DSP chips and USB 3.0 technology deliver 24bit/96kHz resolution with 91dB SNR and <0.1% THD for studio-grade sound and zero latency monitoring.
- **Versatile Inputs:** Features XLR Mic input with 48V Phantom Power for condenser microphones, and Hi-Z line input for instruments like guitars and keyboards.
- **Built-in Effects:** Includes 5 premium effects: Chorus, Reverb, Delay, Flanger, and Auto Wah.

- **Vocal Streaming Optimization:** Flat frequency response (20Hz-20kHz) and background vocal elimination for clear vocal recordings and streaming.

3. Package Contents

Upon unpacking your LEKATO LA2896 Audio Interface, please ensure all the following items are present:

- LEKATO LA2896 Audio Interface Unit
- USB-C to USB-A Cable
- USB-A Power Adapter
- OTG Adapters (various types for mobile devices)
- User Manual (this document)

4. PRODUCT OVERVIEW

4.1 Front Panel Controls

Figure 3: Front Panel Controls
The front panel features intuitive controls for managing audio input, output, and effects.

- **Input 1 Controls:** Bass, Treble, Presence, Volume, Effect knobs for the first input channel.
- **Input 2 Controls:** Bass, Treble, Presence, Volume, Reverb knobs for the second input channel.
- **BT Indicator:** Lights up when Bluetooth is connected.
- **Power Indicator:** Shows device power status.
- **Monitor Volume:** Large central knob to adjust monitor output volume.
- **Monitor Button:** Activates direct monitoring.
- **Dodge Button:** Activates the Dodge function (reduces background music when speaking).

- **Effect Mode Button:** Cycles through built-in effects.
- **Voice Cancel Button:** Removes vocals from background music.

4.2 Rear Panel Connections

Figure 4: Rear Panel Connections

The rear panel provides all necessary input and output ports for connecting microphones, instruments, and monitoring devices.

- **Power Switch:** Turns the device ON/OFF.
- **5V 1A DC IN:** Power input port.
- **OTG Port:** USB On-The-Go connection for mobile devices.
- **Headphone Jack:** 3.5mm output for headphones.
- **Output L/R:** 3.5mm stereo output for speakers or monitors.
- **AUX IN TRRS:** 3.5mm input for auxiliary audio sources.
- **RECORD TRRS:** 3.5mm output for recording to mobile devices.
- **MIC (XLR/TRS Combo):** Input for microphone (supports XLR and 1/4" TRS).

- **48V Phantom Power Switch:** Activates 48V phantom power for condenser microphones.
- **GUITAR (Hi-Z):** 1/4" input for instruments like guitars.

5. SETUP INSTRUCTIONS

5.1 Powering the Device

1. Connect the provided USB-C to USB-A cable to the **5V 1A DC IN** port on the rear of the interface.
2. Plug the USB-A end into the power adapter and then into a wall outlet, or directly into a powered USB port on your computer.
3. Flip the **Power Switch** to the ON position. The Power Indicator on the front panel will light up.

5.2 Connecting to a Computer/Mobile Device

1. For computer connection, use the USB-C to USB-A cable. Connect the USB-C end to the interface's **OTG Port** and the USB-A end to your computer. The device is plug-and-play and compatible with Windows, macOS, Android, and iOS.
2. For mobile device connection, use the appropriate OTG adapter (included) to connect the interface's **OTG Port** to your smartphone or tablet.
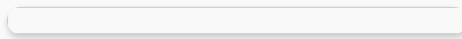
Figure 5: Connecting via OTG to a mobile device.
The OTG port allows direct digital audio connection to compatible smartphones and tablets.

5.3 Connecting Microphones and Instruments

1. **Microphone:** Connect your XLR or 1/4" TRS microphone to the **MIC** combo input on the rear panel. If using a condenser microphone, activate **48V Phantom Power** using the dedicated switch.
2. **Instrument:** Connect your guitar or other Hi-Z instrument to the **GUITAR (Hi-Z)** 1/4" input on the rear panel.

5.4 Connecting Monitoring Devices

1. **Headphones:** Plug your headphones into the **Headphone Jack** on the rear panel. Adjust the volume using the Monitor Volume knob on the front panel.
2. **Speakers/Monitors:** Connect your active speakers or studio monitors to the **Output L/R** 3.5mm stereo output on the rear panel.

6. OPERATING INSTRUCTIONS

6.1 Adjusting Input Levels

Use the individual **Volume** knobs for Input 1 (MIC) and Input 2 (GUITAR) on the front panel to set appropriate gain levels. Monitor the signal indicators (SIG/PEAK) to avoid clipping (red light indicates clipping).

6.2 Direct Monitoring

Press the **Monitor Button** on the front panel to activate direct monitoring. This allows you to hear your input signal directly through your headphones with zero latency, bypassing computer processing. This is useful for checking your microphone or instrument signal.

Figure 6: Monitor controls for zero-latency feedback.
The monitor knob and button allow for real-time audio feedback without delay.

6.3 Using Built-in Effects

Press the **Effect Mode Button** to cycle through the 5 available effects: Chorus, Reverb, Delay, Flanger, and Auto Wah. Adjust the intensity of the effects using the respective Effect/Reverb knobs for each input channel.

6.4 Vocal Streaming Functions

- **Voice Cancel:** Press the **Voice Cancel Button** to remove vocals from background music played through the AUX IN or connected device.
- **Dodge:** Press the **Dodge Button** to automatically lower the volume of background music when you speak into the microphone.

6.5 Bluetooth Connection

To connect via Bluetooth:

1. Ensure the interface is powered on.

2. On your mobile device, enable Bluetooth and search for available devices.

3. Select "LEKATO LA2896" (or similar name) from the list to pair. The **BT Indicator** on the front panel will light up when connected.

Figure 7: Bluetooth pairing process.
The interface supports Bluetooth for wireless audio input from compatible devices.

7. CHARGING AND BATTERY

The LEKATO LA2896 is equipped with a built-in Lithium Polymer battery. A full charge provides over 5 hours of continuous operation, making it ideal for mobile recording and streaming.

- To charge, connect the USB-C to USB-A cable to the **5V 1A DC IN** port and a power source.
- The charging indicator will show the charging status.

Mobile for Outdoor Podcasting

Take your phone or laptop and start podcasting anytime, anywhere

2600mAh
Li Battery

3 Hours
Fully Charge

5 Hours
Working Time

Figure 8: Internal battery for portable use.
The device's internal battery allows for extended use without external power.

8. COMPATIBILITY

The LEKATO LA2896 Audio Interface offers broad compatibility:

- **Operating Systems:** Android, Windows, iOS, macOS.
- **Compatible Devices:** Personal Computers, Smartphones, Guitars, Keyboards, and other audio devices with AUX inputs.
- **Connectivity:** AUX, Bluetooth, USB.

Figure 9: Broad operating system compatibility.
The interface is designed to work across major operating systems for maximum flexibility.

9. TROUBLESHOOTING

- **No Power:** Ensure the USB cable is securely connected to both the interface and a powered source. Check if the power switch is ON.

- **No Sound Output:** Verify all cables are correctly connected. Check volume levels on the interface, your computer/device, and connected speakers/headphones. Ensure direct monitoring is not bypassing the computer's audio if you expect processed sound.

- **Input Signal Clipping (Red PEAK light):** Reduce the input volume using the corresponding Volume knob for the channel until the red PEAK light no longer illuminates.

- **Condenser Mic Not Working:** Ensure 48V Phantom Power is activated for the XLR input.

- **Bluetooth Connection Issues:** Ensure the interface is in pairing mode (if applicable, check manual for specific pairing instructions if BT indicator is not blinking). Forget the device on your mobile device and try pairing again.

- **Mobile Device "Accessory uses too much power" Error:** This message may appear on some mobile devices. It does not always indicate a functional issue. If the device operates correctly, you can disregard this message.

10. SPECIFICATIONS

Feature	Detail
Brand	LEKATO
Model Number	LA2896
Item Weight	1.39 pounds
Package Dimensions	6.5 x 6.5 x 2.76 inches
Batteries	1 Lithium Polymer (included)
Battery Type	Lithium Polymer
Connectivity Technology	AUX, Bluetooth, USB
Number of Channels	4
Compatible Devices	Guitar, Personal Computer, Smartphone

Operating System	Android, Windows, iOS, macOS
Frequency Response	20 Hz - 20 kHz
Sample Rate / Bit Depth	96kHz / 24bit

11. MAINTENANCE

- Keep the device clean by wiping it with a soft, dry cloth.

- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.

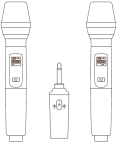- Do not attempt to disassemble or repair the device yourself, as this may void the warranty.

12. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official LEKATO website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - LA2896

	[LEKATO Loop Station LP-20 Version Update Instructions](#) Instructions for updating the LEKATO Loop Station LP-20, including information on USB interface upgrades and wireless connection of external pedals.
	[LEKATO PA-1 Multi-Effects Headphone Guitar Amplifier User Manual](#) Comprehensive user manual for the LEKATO PA-1 Multi-Effects Headphone Guitar Amplifier, covering its features, operation, and technical specifications. Learn about presets, amp simulations, modulation effects, delay, reverb, IR cabinet loading, tuning, and wireless connectivity.
	[LEKATO TANK-G Guitar Effect Processor Owner's Manual](#) Comprehensive owner's manual for the LEKATO TANK-G Guitar Effect Processor, detailing its features, functions, and operation. Includes information on presets, live mode, effect modules, technical parameters, and software downloads.

User Manual Rechargeable Wireless Microphones K380S	**LEKATO K380S Rechargeable Wireless Microphones User Manual** User manual for the LEKATO K380S rechargeable wireless microphone system. Learn about features, setup, operation, pairing, troubleshooting, and technical specifications. Supports 2.4GHz wireless, 9 channels, and long battery life.
LEKATO Wireless In-Ear Monitor System ワイヤレスインイヤーモニタリングシステム MS-1 Owner's Manual 取扱説明書	**LEKATO MS-1 Wireless In-Ear Monitor System User Manual** Comprehensive user manual for the LEKATO MS-1 Wireless In-Ear Monitor System, detailing features, specifications, usage instructions, and troubleshooting for optimal performance.
LEKATO Guitar Looper Series firmware update to fix tick noise	**LEKATO Guitar Looper Series Firmware Update Guide** Instructions for updating the firmware on your LEKATO Guitar Looper Series to resolve tick noise issues. Includes steps for downloading the CubeSuite app and performing the OTA upgrade.