ALABS IRON MINI WL

ALABS USB Wireless Cardioid Condenser Microphone

Model: IRON MINI WL

Instruction Manual

1. Introduction

The ALABS IRON MINI WL is a cutting-edge USB wireless cardioid condenser microphone designed for a variety of applications including podcasting, gaming, home office use, and streaming. This innovative microphone offers unparalleled flexibility with its 100ft signal transmission distance, allowing users freedom of movement without the constraints of cables. Featuring advanced sound quality, noise cancelling capabilities, and user-friendly controls, the IRON MINI WL ensures clear and intelligible audio capture.

2. What's in the Box

- ALABS USB Wireless Cardioid Condenser Microphone (IRON MINI WL)
- USB-C Receiver
- USB-C to USB-A Cable
- Desktop Stand
- User Manual

3. Product Overview

Familiarize yourself with the components and controls of your ALABS IRON MINI WL microphone.



Image: Diagram illustrating the various components of the ALABS IRON MINI WL microphone, including the mute button, volume knobs, and ports.

- **Microphone Head:** Captures audio.
- **Mute Button with LED Indicator:** A touch-sensitive button on the front to mute/unmute. The LED changes color to indicate status (Blue: normal, Red: muted, Flashing Red: low battery & muted, Flashing Blue: low battery & unmuted).
- **Microphone Gain/Headphone Volume Knob:** Adjusts microphone input sensitivity and headphone output volume.
- **USB-C Port:** For wired connection and charging.
- **3.5mm Headphone Jack:** For real-time audio monitoring.
- **Power On/Off & RGB Switch:** Located at the bottom of the microphone.
- **Desktop Stand:** Provides stable placement on a flat surface.

- **USB-C Receiver:** Plugs into your computer for wireless connectivity.

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4. Setup & Connectivity

The ALABS IRON MINI WL is designed for easy plug-and-play operation, requiring no driver software for most devices.

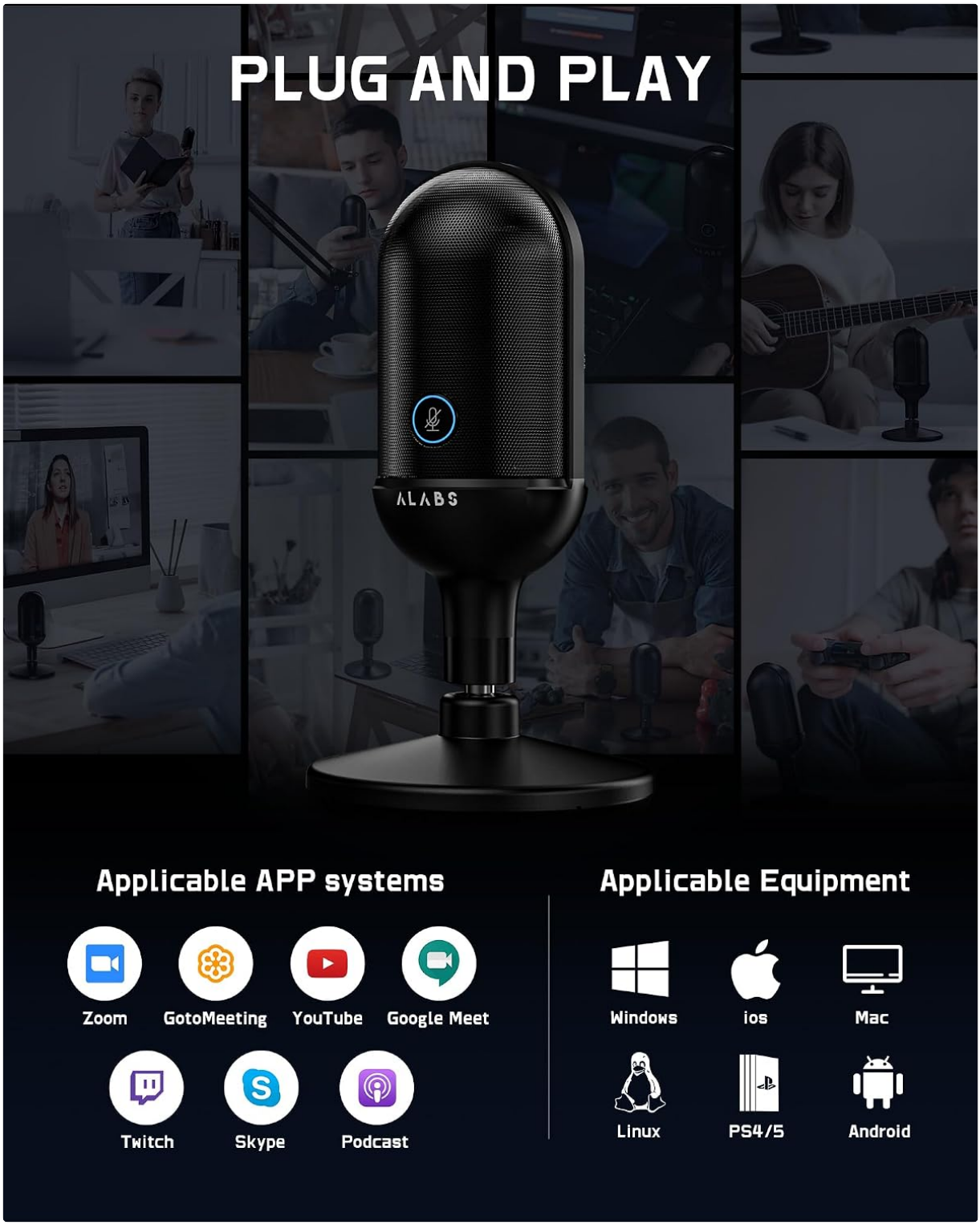


Image: Illustration showing the plug-and-play setup of the ALABS IRON MINI WL microphone with various devices.

1. **Wireless Connection:**
    - Plug the USB-C receiver into an available USB port on your computer (PC, Mac, Laptop) or smartphone.

- Turn on the microphone using the Power On/Off switch located at the bottom.
- The microphone and receiver should automatically pair. The LED indicator on the microphone will show a solid blue light when connected and ready for use.

2. **Wired Connection:**
   - Connect the microphone directly to your device using the provided USB-C to USB-A cable.
   - The microphone will function as a standard USB microphone.
3. **Compatibility:** The microphone is compatible with various platforms including Windows, macOS, iOS (with official Apple adapter), Android, and gaming consoles (PS4/PS5).

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5. Operating Instructions

Effectively use your microphone's features for optimal audio performance.



Image: Close-up of the microphone's mute button, showing blue for working status and red for stop state.

- **Mute/Unmute:** Lightly touch the mute button on the front of the microphone to toggle between mute (red LED) and unmute (blue LED). This prevents accidental audio transmission.
- **Microphone Gain:** Use the top knob to adjust the microphone's input sensitivity. Turn clockwise to increase gain, counter-clockwise to decrease.
- **Headphone Volume:** Use the bottom knob to control the volume of your headphones connected to the 3.5mm jack.
- **Real-time Monitoring:** Plug your headphones into the 3.5mm jack on the microphone to monitor your audio in real-time. This is crucial for checking sound levels and clarity during recording or streaming.
- **Noise Cancelling:** The microphone features built-in noise cancelling to effectively reduce unwanted background noise, ensuring vocal originality and intelligibility.
- **Polar Pattern:** The IRON MINI WL utilizes a cardioid pickup pattern, which is highly sensitive to sound from the front and rejects sound from the sides and rear. Position the microphone directly towards the sound source for best results.

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6. Battery & Charging

The microphone is equipped with a rechargeable lithium-ion battery for extended wireless use.



Image: Graphic highlighting the 900mAh Li-ion battery and 8-hour continuous working time of the ALABS IRON MINI WL microphone.

- **Battery Life:** A full charge provides over 8 hours of continuous use.
- **Charging Time:** The microphone can be fully charged in approximately 3 hours.
- **Charging:** Connect the microphone to a power source using the USB-C cable. The microphone can be used while charging.
- **Low Battery Indicator:** The LED indicator will flash quickly (red or blue depending on mute status) when the battery is low.

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7. Sound Quality & Performance

The ALABS IRON MINI WL is engineered for superior audio capture.

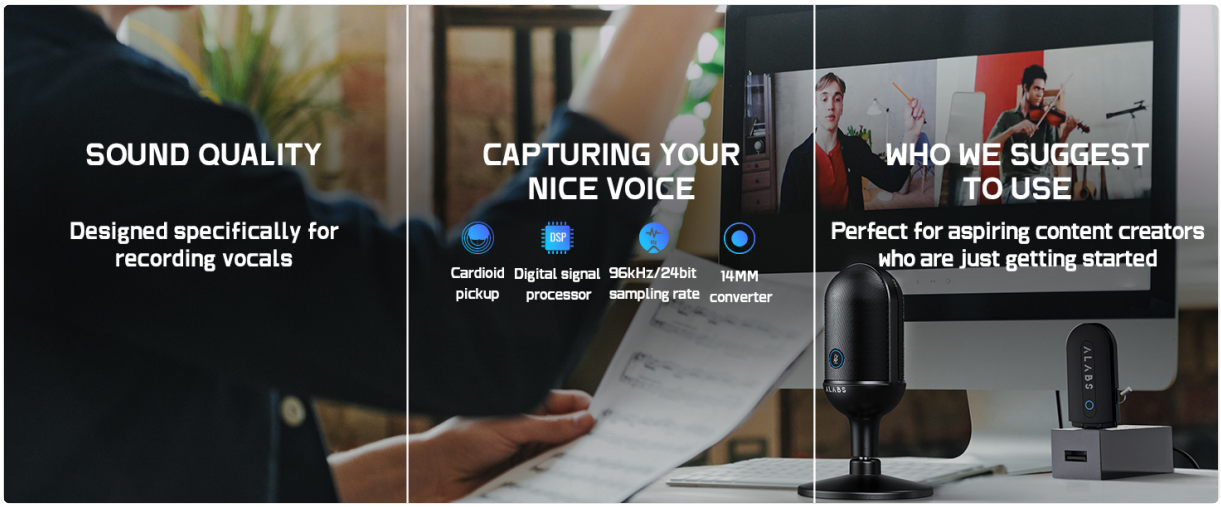


Image: Visual representation of the microphone's sound capture capabilities, highlighting cardioid pickup, DSP, 96kHz/24bit sampling rate, and 14mm capsule.

- **Cardioid Pickup Pattern:** Optimized for vocals, it captures sound directly from the front, minimizing ambient noise.
- **14mm Acoustic Diaphragm:** Ensures rich and detailed sound capture.
- **96kHz/24bit Sampling Rate:** Delivers high-fidelity audio suitable for content creation.
- **Noise Cancelling:** Effectively rejects unwanted noise for clear vocal recordings.

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8. Usage Scenarios

The versatility of the ALABS IRON MINI WL makes it ideal for numerous applications:

- **Podcasting:** Capture clear audio for solo or multi-person podcasts.
- **Gaming:** Enhance in-game communication with superior voice clarity.
- **Home Office:** Perfect for virtual meetings, presentations, and online courses.
- **Live Streaming:** Deliver professional-grade audio for your live broadcasts.
- **Voiceovers & Recording:** Suitable for recording vocals, instruments, and voiceovers.

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Video: Official ALABS video demonstrating the microphone's use for PC applications.

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Video: Official ALABS video highlighting the wire-free experience and transformation with the wireless microphone.

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9. Specifications

Feature	Detail
Brand	ALABS
Model Name	IRON MINI WL
Connectivity Technology	Wireless, USB
Microphone Form Factor	Mini
Polar Pattern	Unidirectional (Cardioid)
Sampling Rate	Up to 96kHz/24bit
Frequency Response	48 KHz
Signal-to-Noise Ratio	76 dB
Power Source	Battery Powered with USB charging
Battery Type	1 Lithium Ion (included)
Continuous Use Time	8+ hours
Charging Time	3 hours
Transmission Distance	Up to 100ft (wireless)
Compatible Devices	Laptop, PC, Smartphone, Gaming Consoles
Material	Acrylonitrile Butadiene Styrene
Item Weight	1.04 pounds
Product Dimensions	7.3 x 6.4 x 2.64 inches

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10. Troubleshooting

- **No Sound/Low Volume:**
  - Ensure the microphone is powered on and not muted (blue LED).
  - Check microphone gain and headphone volume knobs.
  - Verify the microphone is selected as the input device in your computer's sound settings.
  - For wireless connection, ensure the USB-C receiver is securely plugged in and paired.
- **Background Noise:**
  - Ensure the microphone's noise cancelling feature is active.
  - Position the microphone closer to your mouth and away from noise sources.
  - Ensure you are speaking directly into the front of the microphone (cardioid pattern).
- **Microphone Disconnects:**
  - Check battery level; recharge if low.
  - Ensure the USB-C receiver is within the 100ft transmission range.
  - Try unplugging and re-plugging the USB-C receiver.

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11. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the microphone's exterior. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the microphone in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge regularly.

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12. Warranty & Support

For warranty information, technical support, or any product-related inquiries, please refer to the documentation included with your purchase or visit the official ALABS website.

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