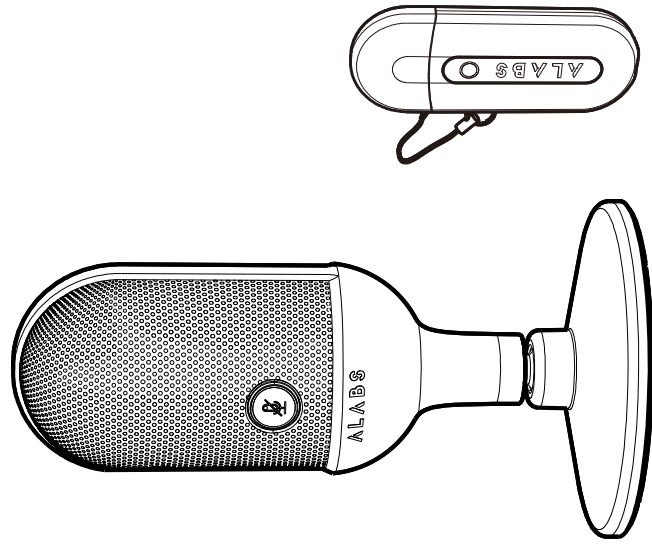




Alabs Iron Mini-WL Wireless Desktop
USB Condenser Microphone
Owner's Manual



Wireless Desktop USB Condenser Microphone

Overview

Wireless Freedom, plug and play, your creative universe.

Thanks for purchasing the Alabs Iron Mini-WL.

The ideal wireless desktop USB condenser microphone system for recording singing and musical performances in addition to spoken applications such as podcasting, gaming and voice-over, Iron Mini-WL offers a highly versatile HD quality audio with simple setup, provides you wireless freedom and sound like a pro.

The UHF wireless allows Iron Mini-WL to operate 100 feet range to freely move around during recording, podcasting and performances without the inconvenience of USB cable. Built in rechargeable Li-ion battery, the Iron Mini-WL provides more than 8 hours of continuous use on a full charge.

The Iron Mini-WL features a zero-latency stereo headphone monitoring (1/8") jack on the receiver, which allows you to monitor the microphone input and audio playback in realtime. The Mute quiet touch key with LED indicator give you convenient to quickly mute the mic while podcasting or recording.

It is fully compatible with all mainstream recording applications on both Windows and Mac OS based computers, as well as the Apple iPad, using Garage Band or any other recording app that accepts an external microphone. Simply plug the receiver of Iron Mini-WL into your PC, Mac, iOS (needs extra adapter) or Android and turn on the Iron Mini-WL, you're ready to go. System requirements: Windows 8 or higher, Mac OS 10.7 or higher, Android 9 or higher, iOS 10 or higher.

The Iron Mini has incredible warm, rich and full tone that keeps your audience hooked. It also has greater noise suppression compared to traditional cardioid mics to ensure total vocal clarity. Also provided is a flexible, adjustable stand. The easy-to-position stand swivels to support a variety of setups. It also can be detached and mounted on a boom arm or mic stand whatever is 3/8 inch thread or 5/8 inch thread.

Made for minimalist or smaller setups, this compact Iron Mini barely takes up any desk space. You can even fit it under a monitor if your setup is tight on space. It's also easy to bring along if you need to take your streaming or work elsewhere.

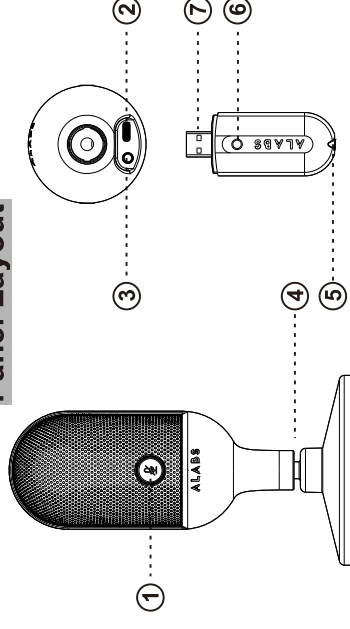
- The ideal wireless desktop USB condenser microphone system for recording singing and musical performances in addition to spoken applications such as podcasting, gaming and voice-over. Iron Mini-WL offers a highly versatile HD quality audio with simple setup, provides you wireless freedom and sound like a pro.
 - Operates 100 feet range to freely move around during recording, podcasting and performances. Provides more than 8 hours of continuous use on a full charge.
 - Provides incredible warm, rich and full tone that keeps your audience hooked. Greater noise suppression compared to traditional cardioid mics.
 - Provides a flexible, adjustable stand. The easy-to-position stand swivels to support a variety of setups. Can be detached and mounted on a 3/8 or 5/8 boom arm or mic stand.
 - The Mute quiet touch key with LED indicator give you convenient to quickly mute the mic while podcasting or recording.
 - Features a zero-latency stereo headphone monitoring (1/8") jack on the receiver, which allows you to monitor the microphone input and audio playback in realtime.
 - Plug and play. Simply plug the receiver of Iron Mini-WL into your PC, Mac, iOS (needs extra adapter) or Android and turn on the Iron Mini-WL, you're ready to go. System requirements: Windows 8 or higher, Mac OS 10.7 or higher, Android 9 or higher, iOS 10 or higher.

Inclusion

- Alabs Iron Mini-WL USB Microphone (Transmitter)
- Alabs UHF Receiver
- 2M USB A to USB C Cable
- USB A to USB C Adapter
- Owner's manual

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Panel Layout



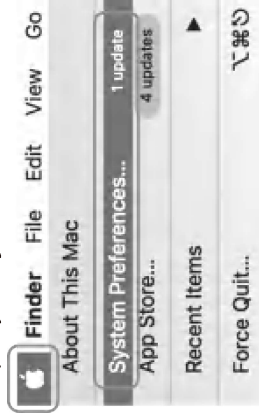
1. **Mute touch key:** Press once to mute the Iron Mini, the LED indicator will show RED while it is muted. Press again to recover, the LED indicator will show BLUE while it is working. When the Iron Mini-WL is low battery, the LED will flash quickly to indicate.
 2. **USB-C jack:** USB Type-C jack for battery charging. While it is charging, the LED indicator will flash "BLUE" slowly and will stop flashing while the battery is full.
 3. **Power button:** Hold 1s to turn on/off the transmitter.
 4. **Desk stand:** It's a detachable stand. Take off the stand, it can be mounted on a boom arm or mic stand. There is a 5/8 to 3/8 adapter inside for different size boom arm and mic stand.
 5. **Headphone Output jack:** 1/8" stereo headphone output jack for output monitoring, which allows you to monitor the microphone input and audio playback in realtime.
 6. **Receiver LED:** LED indicator for indicating the pairing status. Plug the receiver to your computer / mobile phone and turn on the Iron Mini-WL, the LED indicator will show BLUE while the pairing is successful.
- Note: Actual range depends on RF signal absorption, reflection and interference.**
7. **USB-A:** USB-A jack for USB audio connection. You can plug it to your PC, Mac, iOS (needs extra adapter) or Android device. System requirements: Windows 8 or higher, Mac OS 10.7 or higher, Android 9 or higher, iOS 10 or higher.

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Setup

Mac OS

1. Plug the **Receiver** into your computer and turn on the power of **Iron Mini-WL**. If pairing succeed, the LED of Receiver will show **BLUE**.
Notes: If the LED of Receiver did not light up, please replug the Receiver to your computer and reboot the Iron Mini-WL (Turn off and turn on).
2. The computer will automatically recognize the USB device.
3. Open your **System Preferences**.

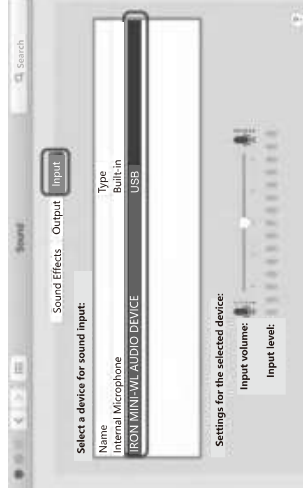


4. Click **Sound** to display the Sound preference.



5. Click the **Input** and **Output**, select the **IRON MINI-WL AUDIO DEVICE** as the device for audio input and output.

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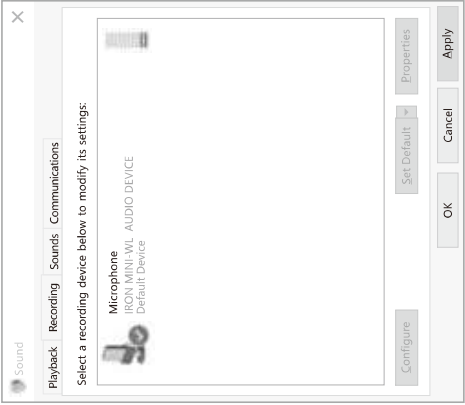
Windows

1. Plug the **Receiver** into your computer and turn on the power of **Iron Mini-WL**. If pairing succeed, the LED of Receiver will show **BLUE**.
Notes: If the LED of Receiver did not light up, please replug the Receiver to your computer and reboot the Iron Mini-WL (Turn off and turn on).
2. The computer will automatically recognize the USB device.
3. Right-click on the **sound icon** on the system tray and select **Sounds**.



4. Click the Recording tab and select the **IRON MINI-WL AUDIO DEVICE** and click on the Set Default button.

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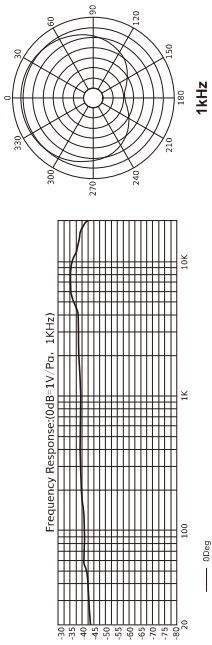


Charging

1. Turn on the power of the IRON MINI-WL (Transmitter), the LED indicator will show the battery's status. If it is low battery, please plug the USB-A to USB-C cable (provided) from USB jack of the IRON MINI-WL to USB charge.

Battery	LED
Normal	BLUE, Always On.
Normal, Muted	RED, Always On.
Low Battery	BLUE, Flash Quickly.
Low Battery, Muted.	RED, Flash Quickly.
Charging	BLUE, Flash Slowly.
Full	BLUE, Always On.
Dead	Flash Quickly and Turn Off

Specification



Specification	
Wireless	UHF
Working range	100 ft (33.3 m)
Acoustic principle	Pressure Gradient
Diaphragm	14mm
Mic type	Condenser
Polar pattern	Cardioid
Sample rate	Min. 44.1kHz / Max. 48kHz
Bit rate	24Bit
Frequency response	20Hz-20kHz
Sensitivity	-40dB±3dB(0dB=1V/Pa.at 1kHz)
Max. SPL	110dB
Battery	900mAh
Battery Life	About 8 hours
Charging power requirements	5V,500mA
Weight	100g
Dimensions	60*60*90mm
Accessories	2M USB A to USB C Cable X1 USB A to USB C Adapter Owner's manual

*Notes: Any specification's update will not be amended in this manual.

Troubleshooting

No sound or faint sound	1. Check the Receiver is connected to computer / mobile phone. 2. Check the Transmitter is turned on. 3. Check the pairing is succeed or not. 4. Check the connection of the Headphone output.
Audio artifacts or dropouts	1. System must be set up within recommended range and Receiver kept away from metallic surfaces. 2. Transmitter must be used in line of sight from Receiver for optimal sound. 3. Make sure there is enough power of Transmitter.
Distortion	1. Step away from the Iron Mini-WL. 2. Adjust the volume output from your computer / mobile phone. 3. Make sure there is enough power of Transmitter. Transmitter must be used in line of sight from Receiver for optimal sound.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

The devices has been evaluated to meet general RF exposure requirement, the device can be used in portable exposure condition without restriction