

Saramonic

AI-Powered Clip-On and Handheld
Wireless Microphone
真AI领夹手持双形态麦克风

Saramonic Air SE

User Manual
用户手册

Statement

Please read this manual carefully before using, and strictly operate and store it in accordance with the instructions. Please save the manual for future reference. If you need further assistance than the user manual, please consult your retailer for help or email us at: support@saramonic.com.

Cautions

1. Non-professionals are strictly prohibited from disassembling this unit on their own.
2. Please keep it away from heat sources such as radiators or spotlights.
3. Do not remove the battery without professionals' help.
4. Please clean the unit with only a soft, dry cloth.
5. When using and storing, please keep away from dust and moisture.
6. For the best pick-up pattern, do not hold your hand against the microphone capsule cover.

General Introduction

Saramonic Air SE is a compact and portable 2.4 GHz wireless microphone system. Its lightweight transmitter is easy to carry, while the charging case not only stores the transmitter and receiver but can also be used as a handheld microphone. With its easy operation, it is an ideal choice for content creation, live streaming, vlogging, mobile journalism, and more.

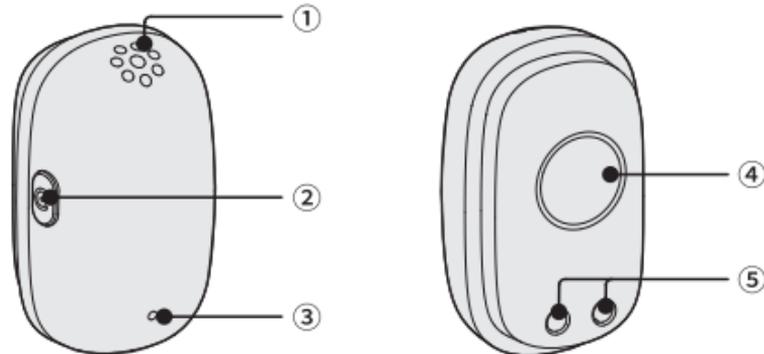
Saramonic Air SE series includes both USB-C and Lightning receivers, ensuring wide compatibility with smartphones, tablets, computers, and other devices. Each transmitter supports at least 6 hours of continuous use, and together with the charging case provides up to 28 hours of operation. The charging case also works as a portable power source for the transmitters, offering quick charging on the go and making it convenient for travel.

Features

- 5g thumb-sized mic for discreet wear
- Magnetic charging bar doubles as a handheld interview mic
- True AI noise cancellation up to -40 dB
- 48 kHz / 24-bit audio, 80 dB SNR, 120 dB max SPL
- Limiter & safety track for distortion-free sound
- Control gain and EQ presets with the Saramonic app

Product Structure

Transmitter (Saramonic Air SE-TX)



① In-built Condenser Microphone

② Power Button

- Press twice to enable or disable the mute function.
- Press once to start or stop video recording when the receiver is connected to a smartphone and paired with the transmitter. This feature is supported only on smartphones where the volume button functions as a camera shutter.
- Press and hold for 2 seconds to power on or off.
- Press and hold for 5 seconds while powered off to enter pairing mode.
Note: For handheld microphone scenarios with Saramonic Air SE, the above operation still works even when the transmitter is placed in the charging case.

③ Status Indicator

Status	Indicator
Unpaired	Blinks blue slowly
Pairing	Blinks blue quickly (For 5 minutes)
Paired successfully	Solid blue

Noise reduction enabled	Solid green
Mute on	Blinks red slowly
Low battery	Blinks red rapidly
Charging	Static red
Fully charged	Red light off
Firmware updating	Blinks red and green alternately

Note:

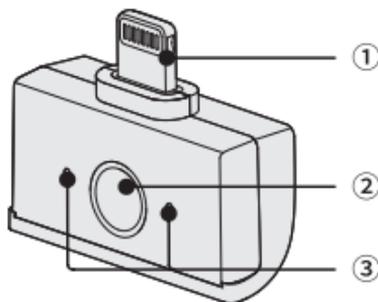
- When in pairing mode, the indicator on the transmitter will blink blue rapidly for 5 minutes while waiting to pair with the receiver. After the timeout, the transmitter will exit pairing mode, and its indicator will blink blue slowly.
- Please charge the transmitter when its indicator blinks red rapidly, or it will automatically power off after 10 minutes.
- The transmitter(s) will power off automatically after 10 minutes if not paired. This function is enabled by default and can be disabled via the Saramonic App if required.

④ **In-built Magnet**

⑤ **Charging Contacts**

Charging starts once the charging contacts on the transmitter are connected with the charging pins on the charging case.

Lightning Receiver (Saramonic Air SE-RXD)



① Lightning Connector

It can be connected to an iOS device with a Lightning port.

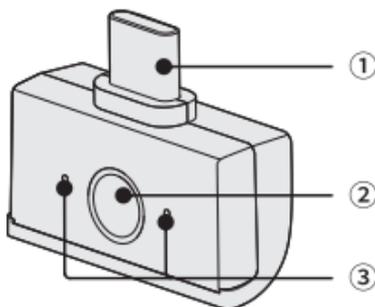
② Noise Reduction Button

- Press once to cycle through strong or light noise reduction and off.
- Press and hold for 5 seconds to enter pairing mode.

③ TX1 & TX2 Status Indicators

Status	Indicator
Unpaired	Blinks blue slowly
Pairing	Blinks blue quickly (For 5 minutes)
Paired successfully	Solid blue
Noise reduction enabled	Solid green
Strong noise cancellation	Blinks green quickly(3 seconds) then keeps solid
Light noise cancellation	Blinks green quickly(3 seconds) then keeps solid
Firmware updating	Blinks red and green alternately

USB-C Receiver (Saramonic Air SE-RXU)



① USB-C Connector

It can be connected to iPhone 15 or newer, Android smartphones, tablets, computers and other USB-C devices.

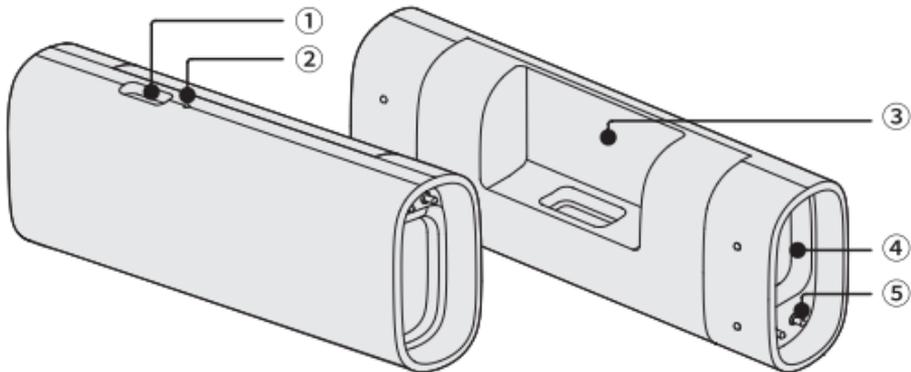
② Noise Reduction Button

- Press once to cycle through strong or light noise reduction and off.
- Press and hold for 5 seconds to enter pairing mode.

③ Indicator

Status	Indicator
Unpaired	Blinks blue slowly
Pairing	Blinks blue quickly (For 5 minutes)
Paired successfully	Solid blue
Noise reduction enabled	Solid green
Strong noise cancellation	Blinks green quickly(3 seconds) then keeps solid
Light noise cancellation	Blinks green quickly(3 seconds) then keeps solid
Firmware updating	Blinks red and green alternately

CC Charging Case (Saramonic Air SE-CC)



① USB-C Charging Port

For charging the charging case via the included USB-C to USB-A data cable.

② Charging/Remaining Battery Level Indicator

When the charging case is not connected to power and the transmitter is removed from or placed into it, this indicator will display the case's remaining battery level.

Battery level (case)	Indicator
5% or lower	Blinks red
6% to 30%	Solid red
31% to 100%	Solid green

Note:

- When not charging, the indicator on the charging case blinks or stays solid for about 5 seconds before turning off automatically.

- Please charge the charging case as soon as possible when its indicator blinks red.
- When the charging case is connected to power, this indicator will display the case's charging status.

Battery level (case)	Indicator
30% or lower	Blinks red
31% to 99%	Blinks green
Fully charged	Solid green

③ Receiver Slot

For storing the Lightning or USB-C receiver.

④ Transmitter Slot

For charging or storing the transmitter.

⑤ Charging Pins

For charging the transmitter(s).

Note: The transmitter charges only when its contacts are properly aligned with the charging pins.

Accessories



Magnet



Magnetic Clip



Fur Windshield



Carrying Pouch



USB-C to USB-A Data Cable

Magnetic Charging Cable



Note: If the purchased combo does not include a charging case, use the magnetic charging cable. Align the transmitter's charging contacts with the pins and bring them close. The magnetic force will attract the transmitter and start charging.

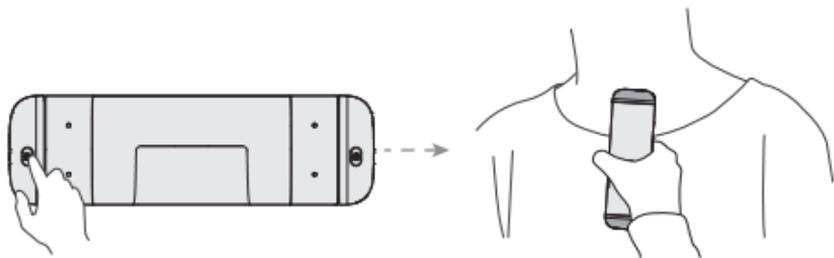
How to Use

Pairing the Transmitter(s) and Receiver

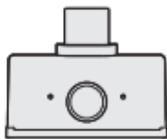
1. The transmitter(s) will power on automatically as soon as it is taken out of the charging case.



For handheld scenarios with Saramonic Air SE , keep the transmitter in the charging case and press and hold its power button for 2 seconds to turn it on.



2. Connect the USB-C receiver to a USB-C device or the Lightning receiver to an iOS device.

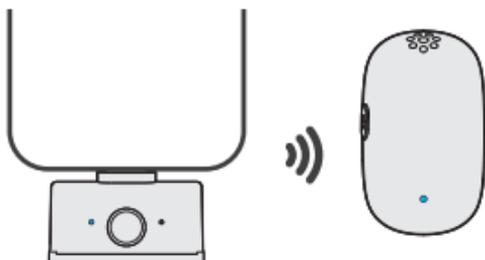


USB-C



Lightning

3. The transmitter(s) and receiver are pre-paired before leaving the factory. Therefore, they will be paired once they are powered on. Their indicators will glow solid blue if paired successfully.



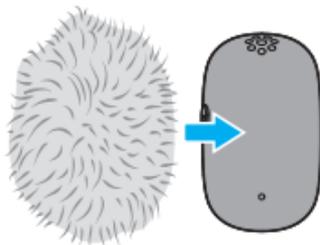
If they are disconnected, please follow the below steps:

Pairing the Transmitter(s) with a Receiver

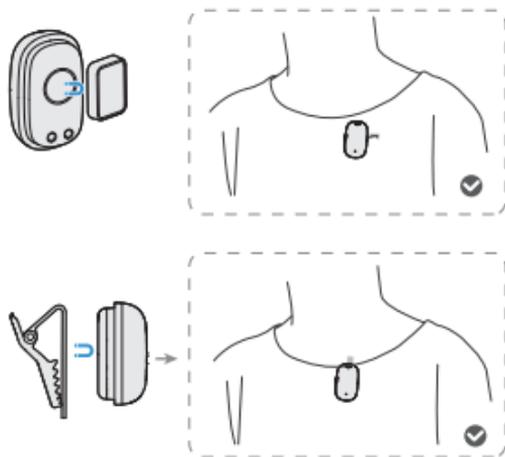
- ① With the transmitter powered off, press and hold the power button for 5 seconds. Its indicator will blink blue rapidly to enter pairing mode. If the Saramonic Air SE does not pair when used as a handheld microphone, place the transmitter in the charging case and press and hold its power button for 5 seconds to enter pairing mode.
- ② Connect the receiver to the corresponding device, then press and hold the noise cancellation button for 5 seconds. The indicator will blink blue rapidly to enter pairing mode.
- ③ When pairing is successful, the indicators on both the transmitter and receiver will glow solid blue.

Placing Transmitter

1. Attach the fur windshield to the transmitter(s) when using the products outdoors or in a windy environment.



2. The transmitter can be securely attached to clothing using either the magnetic clip or the magnet for ease placement.



Using with a Mobile Device

- Plug the USB-C or Lightning receiver into the corresponding port on your smartphone, tablet or other mobile device.
- Launch the BOYA Central app or other app to start recording. If the app is compatible, please select the external microphone(Saramonic Air SE)

Tips:

1. It is recommended to record a sample and play it back to check if the audio level is acceptable before recording.
2. In order to improve the recording quality in a noisy environment, press the button on the transmitter(s) or receiver to enable noise cancellation (this function will be enabled or disabled simultaneously on both transmitters).
3. After recording, put the transmitter(s) and receiver back into the case for charging and storing.

Note:

Due to 2.4 GHz wireless frequency, signal can be easily attenuated. Please try to avoid obstacles, such as walls and buildings, and avoid close proximity to devices with 2.4 GHz signal, such as high-power Wi-Fi antennas, radios, etc.

AppInformation

Download the Saramonic app by scanning the QR code or searching “Saramonic” in your app store. Once the Saramonic Air SE is connected to your smartphone via the Lightning receiver or USB-C receiver, you can use the app to check battery and input levels, adjust microphone gain, noise cancellation, and recording mode, and perform firmware upgrades—all to enhance your recording experience.



Note: Requires iOS 15.6 or later, Android 7.0 or later.

Troubleshooting

If you encounter problems when using the unit, please refer to the following checklist first. If the problem cannot be solved, please contact the dealer's after-sales service department.

- **If there is no sound from the unit or no sound when connected to an external device**

Make sure the connector on the receiver is well connected to your device.

- **The operating range of the unit is limited and the sound is frequently intermittent**

Make sure there is no interference between the transmitter(s) and receiver. If the intermittent sound still occurs frequently, please contact our customer service.

- **The charging case fails to charge the unit**

- ① Charge the charging case to check whether the issue is caused by low battery.
- ② Make sure the charging contacts are properly aligned. Wipe charging contacts with a clean cloth and try again.
- ③ If you want to check whether the magnetic force is aging or whether charging contacts are not in sufficient contact, push down the unit placed in the charging case until charging contacts are in full contact to see if it is charged. If the unit still fails to be charged, please contact our customer service.

Specifications

Transmitter (Saramonic Air SE-TX)

Transmission Type	2.4 GHz digital frequency (2402 -2480 MHz)
Modulation	GFSK
Polar Pattern	Omnidirectional
Antenna	FPC
Operating Range	Up to 200 m (without obstacles)
RF Output Power	< 10 dBm
Distortion	≤0.1%
Frequency Response	20 Hz-20 kHz
Sensitivity	-32 dB
Max SPL	≥ 120 dB
Equivalent Noise Level	≤23 dBA
Sampling Rate	48 kHz
Bit Rate	24-bit
Signal-to-Noise Ratio	≥80 dB
Battery Capacity	75 mAh
Power Supply	In-built lithium-ion battery (5 V / 0.1 A)
Battery Life	≥6 hours (with noise reduction disabled)
	≥4.5 hours (with noise reduction enabled)
Charging Time	≤2 hours
Weight	5 g
Dimensions	28.5×17×13.43 mm
Charging Temperature	0°C to 45°C
Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to 55°C

Lightning Receiver/USB-C Receiver (Saramonic Air SE-RXD/RXU)

Transmission Type	2.4 GHz digital frequency (2402 -2480 MHZ)
Modulation	GFSK
Antenna	Ceramic Antenna
Operating Range	Up to 200 m (without obstacles)
RF Output Power	< 10 dBm
Distortion	≤0.1%
Frequency Response	20 Hz-20 kHz
Sampling Rate	48 kHz
Bit Rate	24-bit
Signal-to-Noise Ratio	≥80 dB
Audio Output	Lightning or USB-C digital output
Power Requirements	Powered by an external device
Weight	USB-C receiver: 5 g
	Lightning receiver: 5 g
Dimensions	USB-C receiver: 29.12×9.26×24.16 mm
	Lightning receiver: 29.12×9.26×23.96 mm
Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to 55°C

CC Charging Case (Saramonic Air SE-CC)

Battery Type	Built-in Li-ion battery
Battery Capacity	250 mAh
Charging Time	Approx. 2 hours (5 V / 250 mA)
Power Supply	USB-C port
Charging Cycles	More than once (2*transmitters)
Weight	23.3g
Dimensions	76×28.5×17 mm
Charging Temperature	0°C to 45°C
Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to 55°C

Packing List

Saramonic Air SE-01

Transmitter ×2
USB-C Receiver ×1
Charging Case ×1
USB-C to USB-A Data Cable ×1
Carrying Pouch ×1
Magnetic Clip ×2
Magnet ×2
Fur Windshield ×2

Saramonic Air SE-02

Transmitter ×2
USB-C Receiver ×1
Lightning Receiver ×1
Charging Case ×1
USB-C to USB-A Data Cable ×1
Carrying Pouch ×1
Magnetic Clip ×2
Magnet ×2
Fur Windshield ×2



For better recording experience, the application **Saramonic** is recommended.

为获得更好的录制体验，推荐使用枫笛 Saramonic 自主研发应用软件 **Saramonic**。



扫码关注官方**小红书**



扫码关注**微信公众号**

Shenzhen Jiayz Photo Industrial., Ltd
深圳市长丰影像器材有限公司

A16 Building, Intelligent Terminal Industrial Park of Silicon Valley
Power, Guanlan, Longhua District, Shenzhen, China
深圳市龙华区观澜街道大富工业区硅谷动力智能终端产业园A16栋

☎ 400-613-1096 @ www.saramonic.com ✉ support@saramonic.com