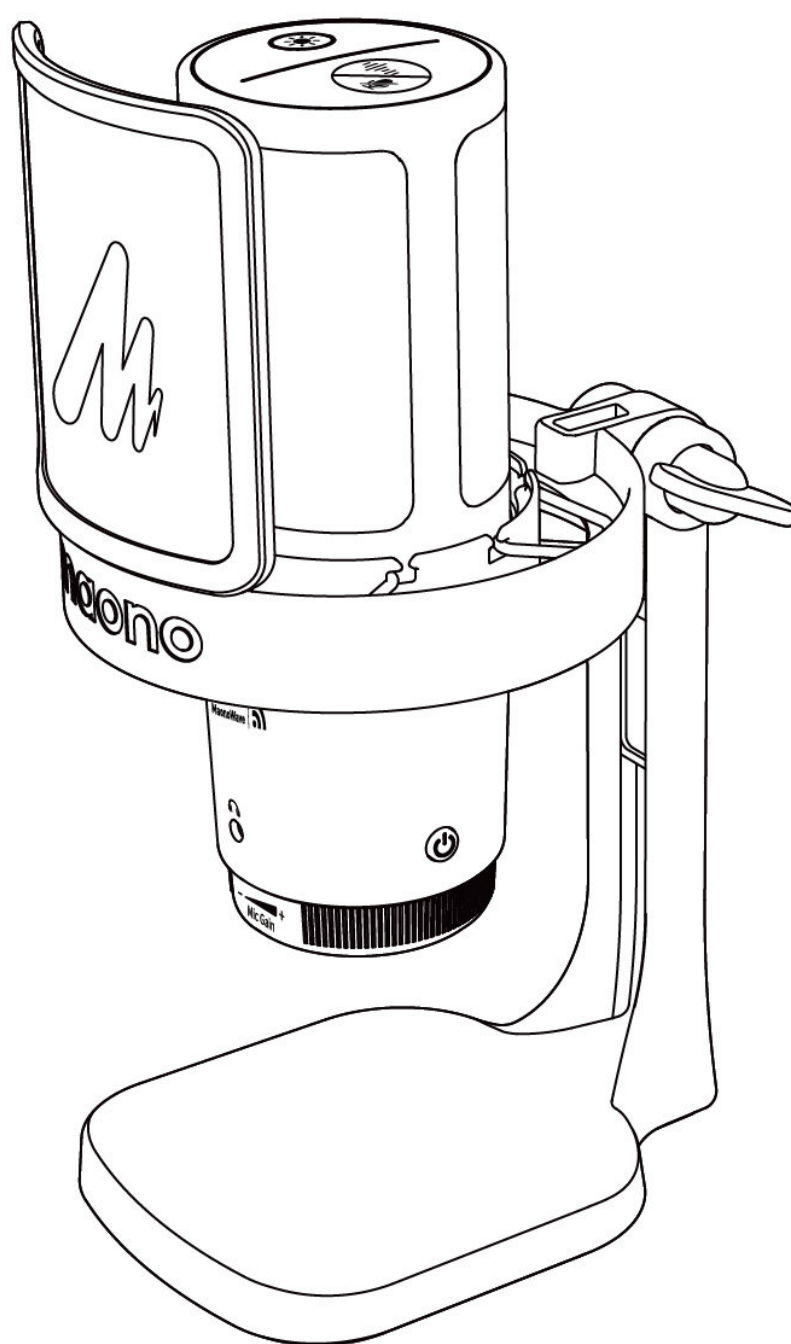




User Manual

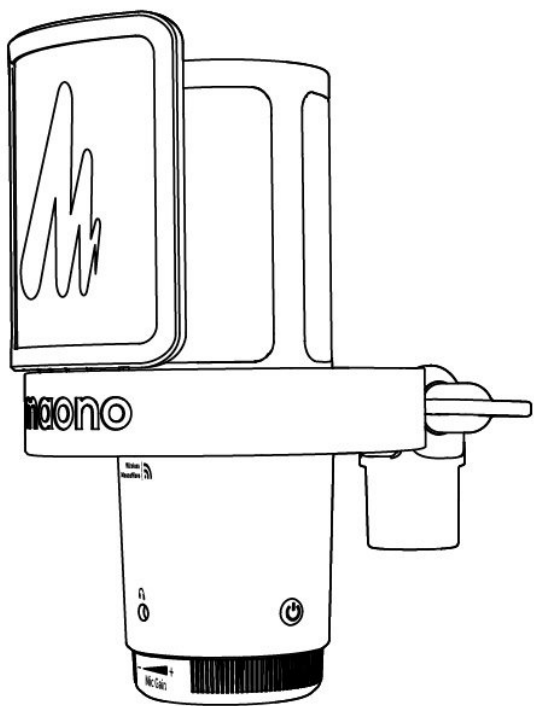
DGM20W Wireless Condenser Microphone



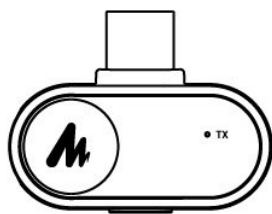
**No.1 Best-Selling
Internet Microphone Worldwide**

Maono['mɑnoʊ], meaning "VISION" in Kiswahili, is the No.1 Best-Selling Internet Microphone Worldwide Brand that products are sold well in 153 countries worldwide. With the beautiful vision of becoming a global leading brand of Internet audio products that deliver a pleasant sound experience, Maono is always working with audio professionals, influencers, and users, to make the world's best microphones and audio products.

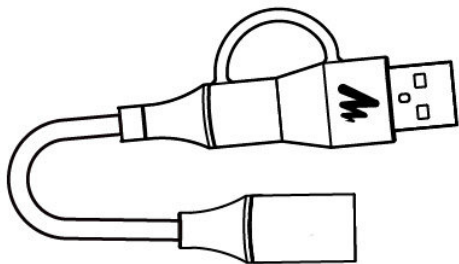
Boom Arm Version



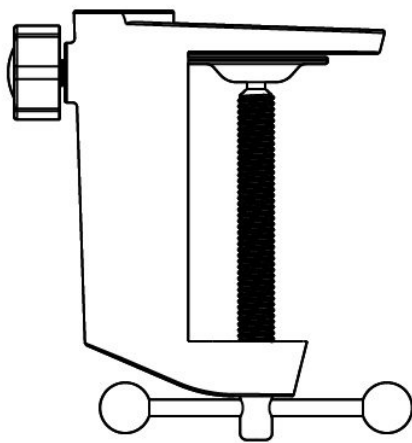
Wireless
Condenser Microphone ×1



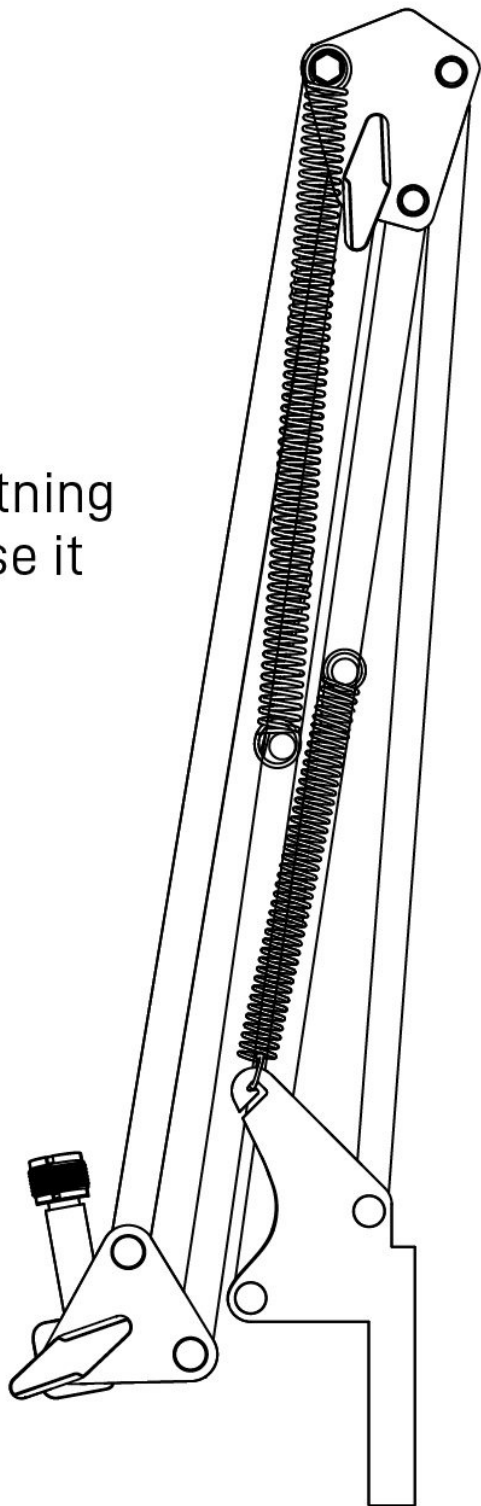
USB-C Receiver ×1
(Note: If you need a lightning receiver, please purchase it separately.)



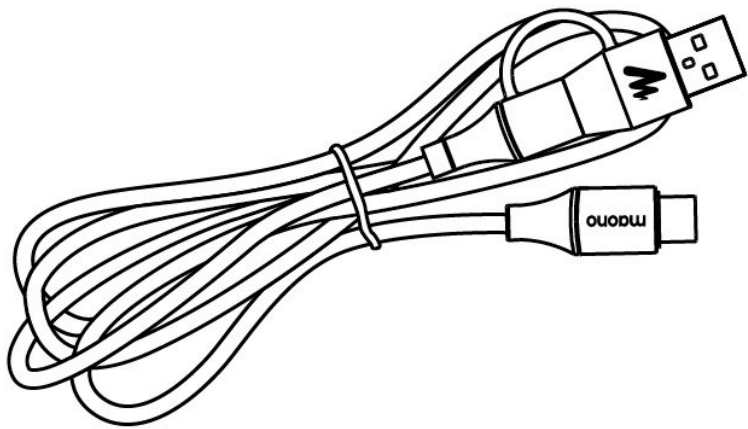
USB A&C to USB C 2-in-1
Adapter Cable ×1



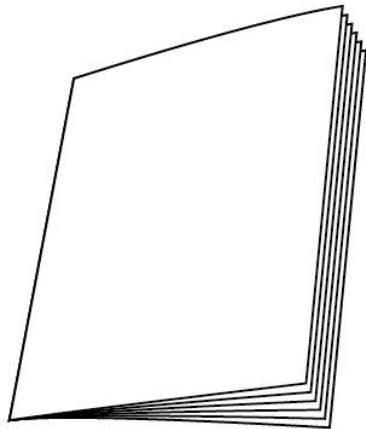
Boom Arm
Base ×1



Boom Arm ×1

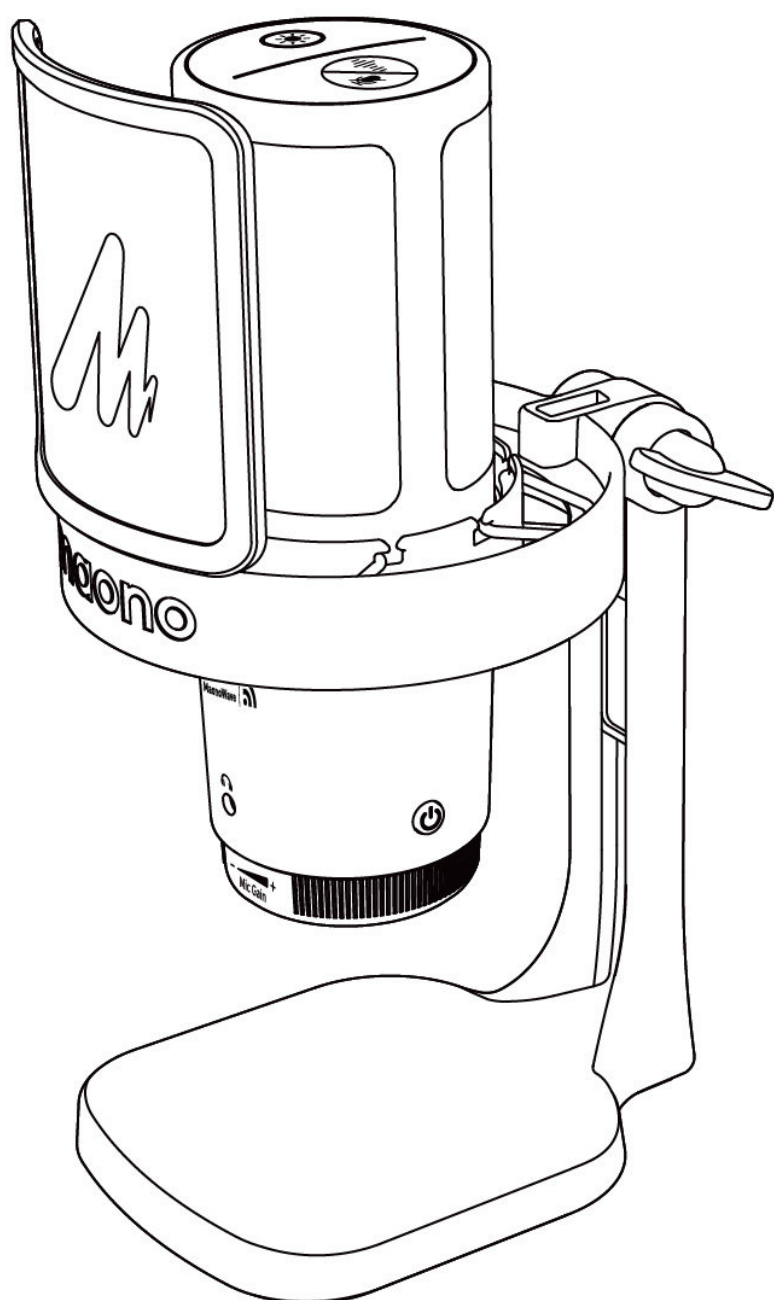


USB A&C to USB C 2-in-1 Cable ×1

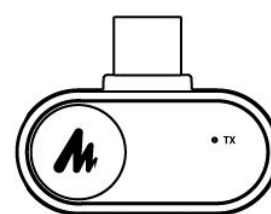


User Manual ×1

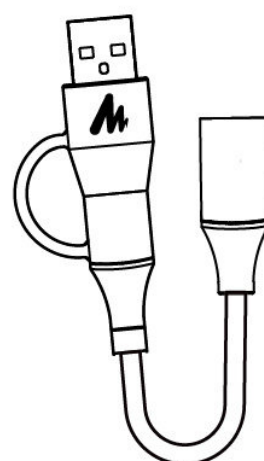
Desktop Stand Version



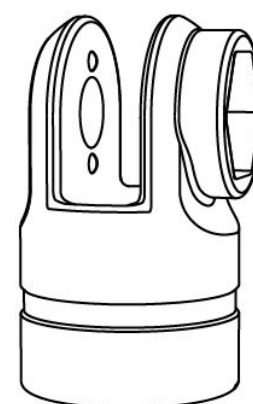
Wireless
Condenser Microphone ×1



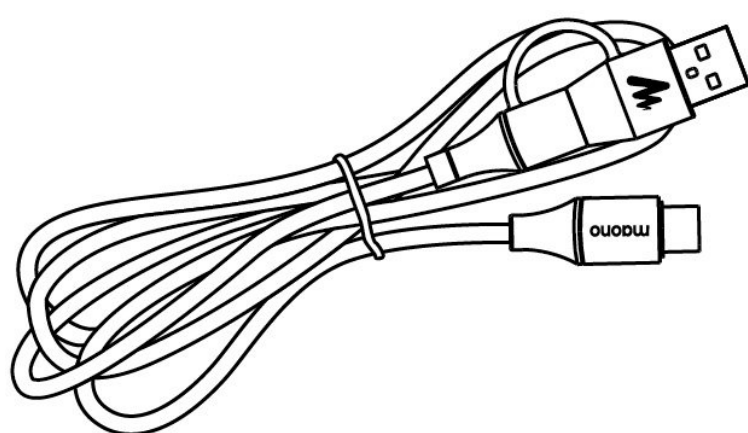
USB-C Receiver ×1
(Note: If you need a lightning receiver, please purchase it separately.)



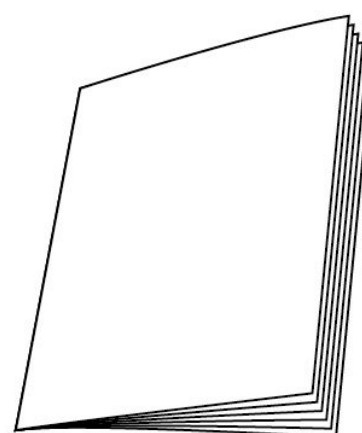
USB A&C to
USB C 2-in-1
Adapter Cable ×1



Connector ×1



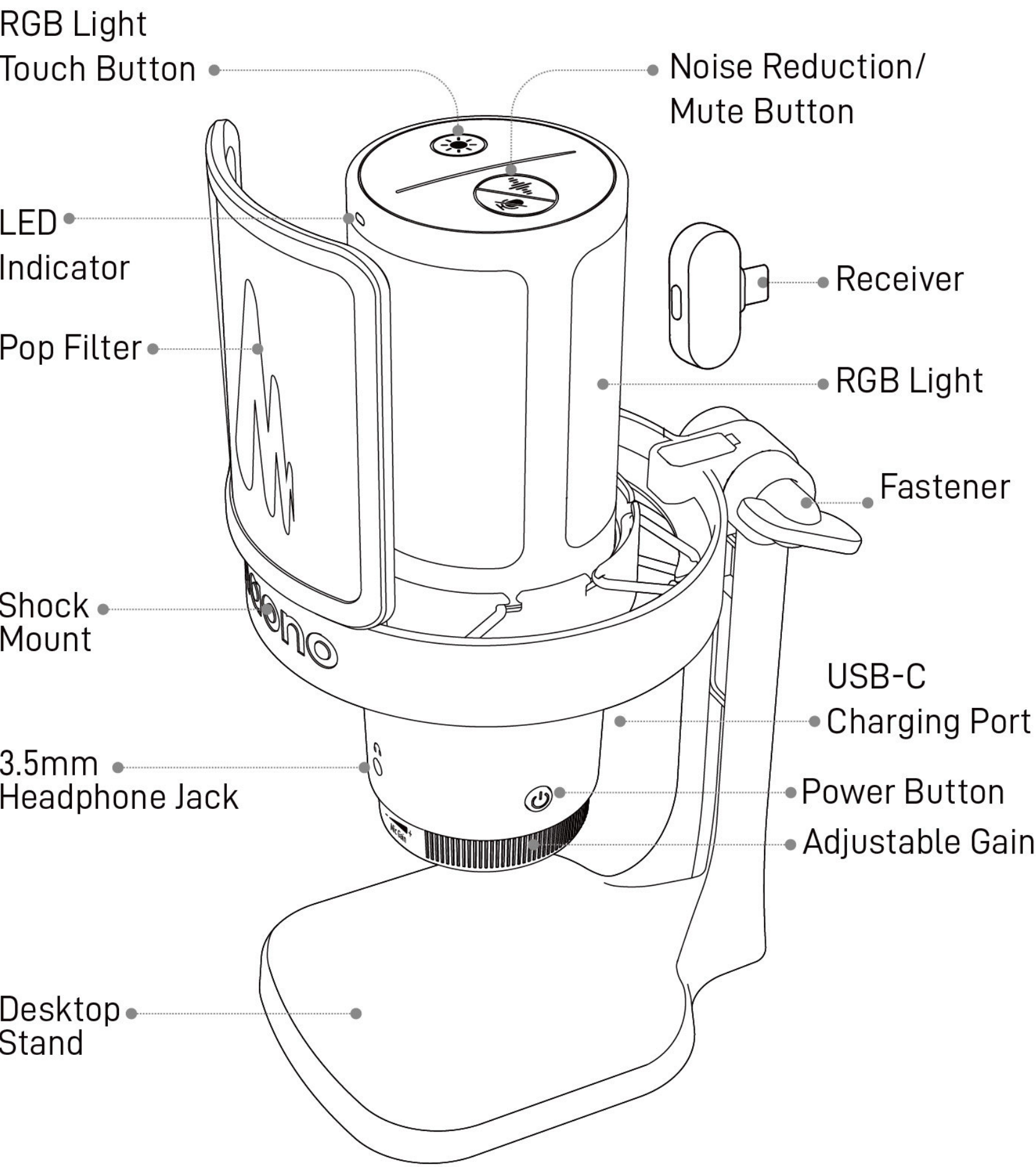
USB A&C to USB C 2-in-1 Cable ×1



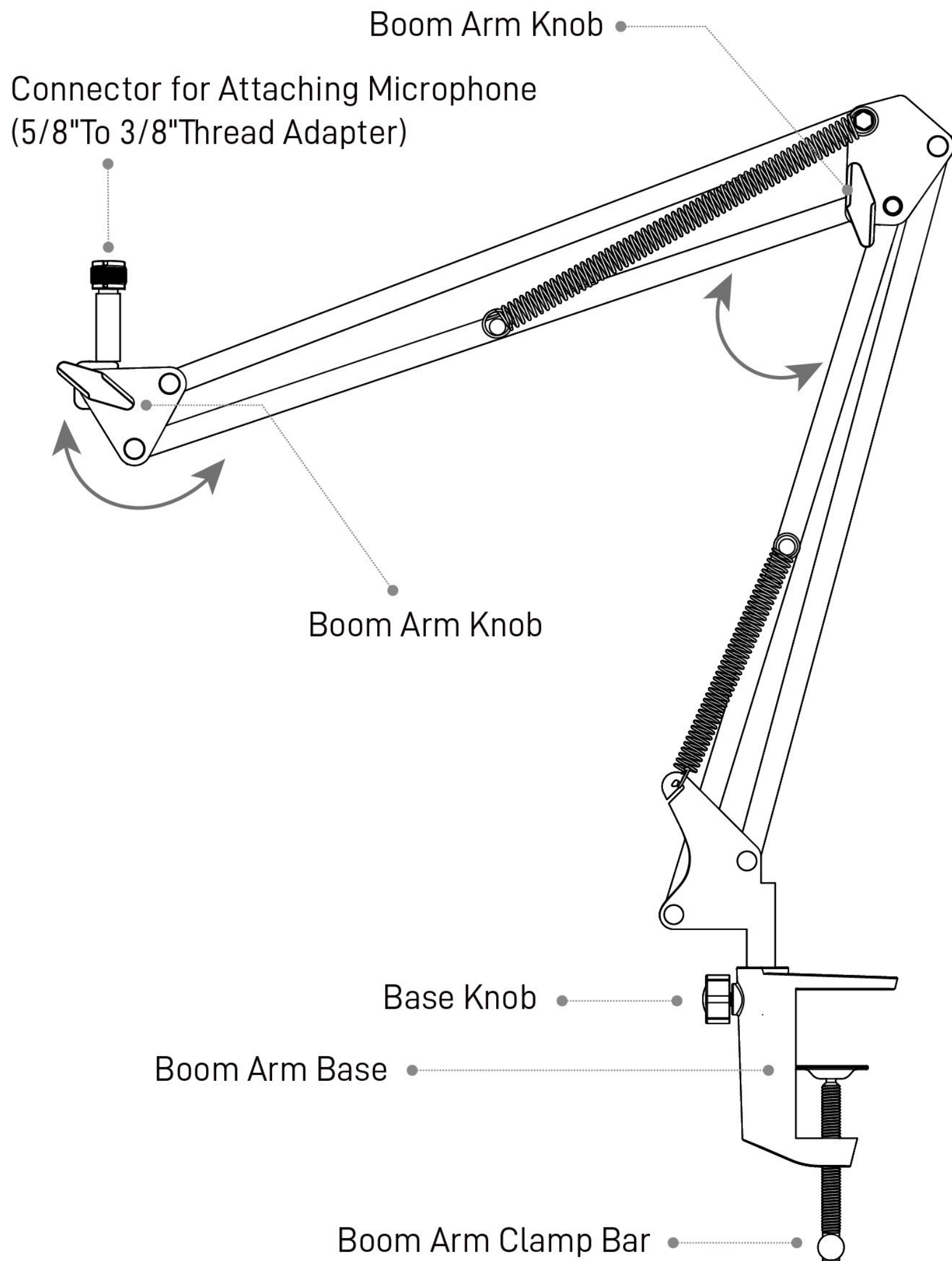
User Manual ×1

Product Overview

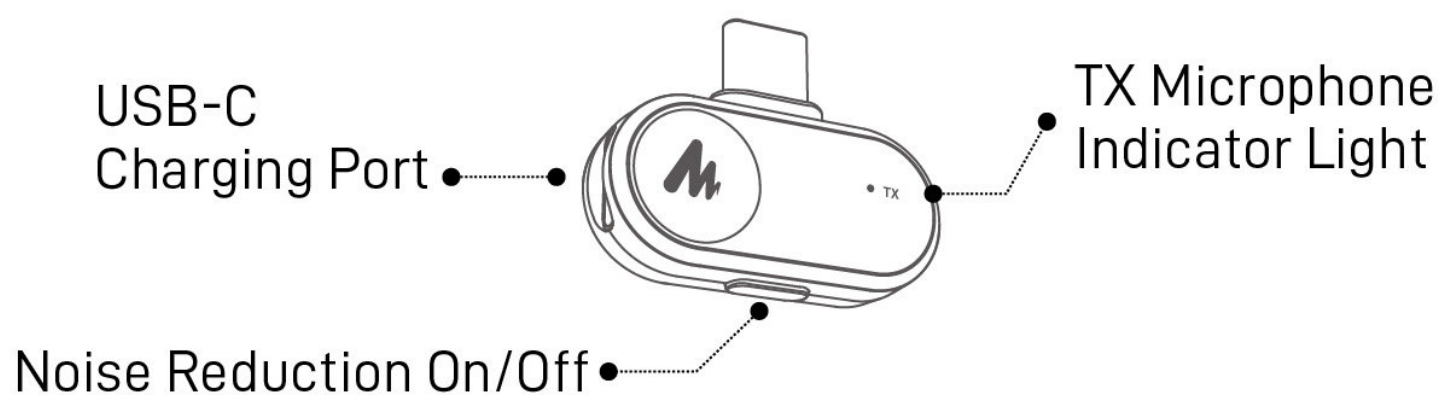
DGM20W Microphone



Match with BA20 Boom Arm



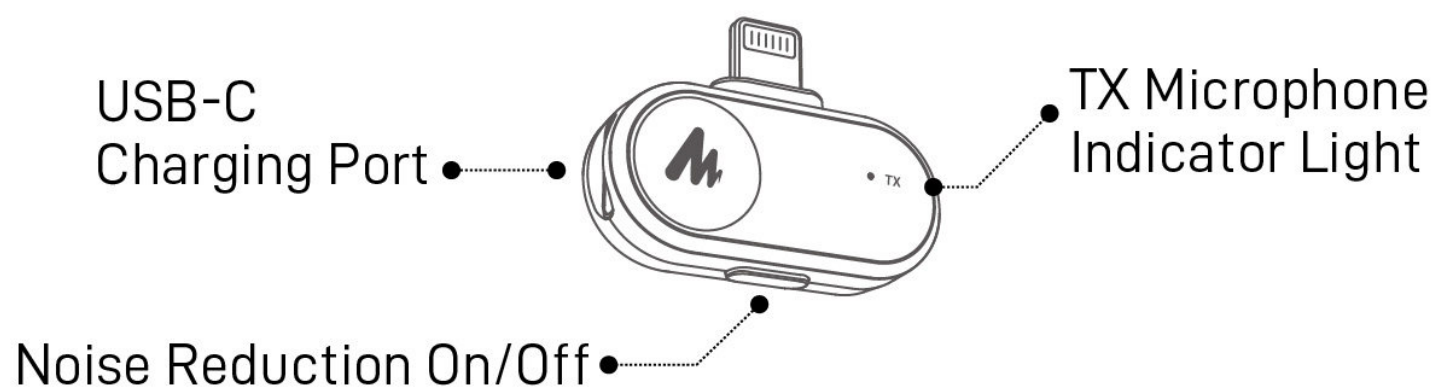
USB-C Receiver



Notice:

1. Can be connected to devices such as cell phones/ tablets/computers/sports cameras with USB-C ports.
2. If some Android phones cannot be connected with the receiver, please turn on the OTG switch in the phone settings before connecting.
3. The receiver's USB-C charging port supports external chargers, allowing charging and usage simultaneously.

Lightning Receiver



Please note: Lightning receiver needs to be purchased separately.

Note:

1. Can be connected to devices such as iphone 7, iphone 8, iphone XS, iphone 11, iphone 12, iphone 13 Pro, iphone 14, iphone 14 Pro and other Apple phones/tablets with lightning interfaces.
2. The receiver's USB-C charging port supports external chargers, allowing charging and usage simultaneously.

Product Description

The Maono DGM20W is a new-generation wireless condenser microphone designed for multiple scenarios. With advanced bidirectional wireless technology, it seamlessly connects to computers, mobile phones, and PlayStation consoles for high-definition audio recording — freeing your desktop from messy cables.

Whether you're adjusting the mic position or switching between multiple devices, it consistently delivers clear, stable sound during free, untethered operation. The vibrant RGB lighting adds a touch of brilliance to your setup while keeping your desktop neat, turning your recording gear into part of your desk aesthetic.

To fit different devices, DGM20W provides optional USB-C and Lightning receivers, easily covering all your recording needs. The intelligent one-click noise reduction feature ensures clean, crisp voice capture for gaming chats or live streaming, even in noisy environments. A front 3.5mm headphone jack allows for direct playback or real-time monitoring, so your voice is always on point. It also inherits the bottom gain knob design from the DGM20, offering quick and precise control over microphone gain. The touch mute button provides instant privacy with a simple tap when gaming or streaming.

In addition, when paired with Maono Link, the exclusive Maono microphone software, you can access professional sound presets optimized for different scenarios — from immersive gaming to smooth live broadcasting. With just one microphone, you can easily handle multiple creative tasks, making in-game communication smoother and content creation effortless.

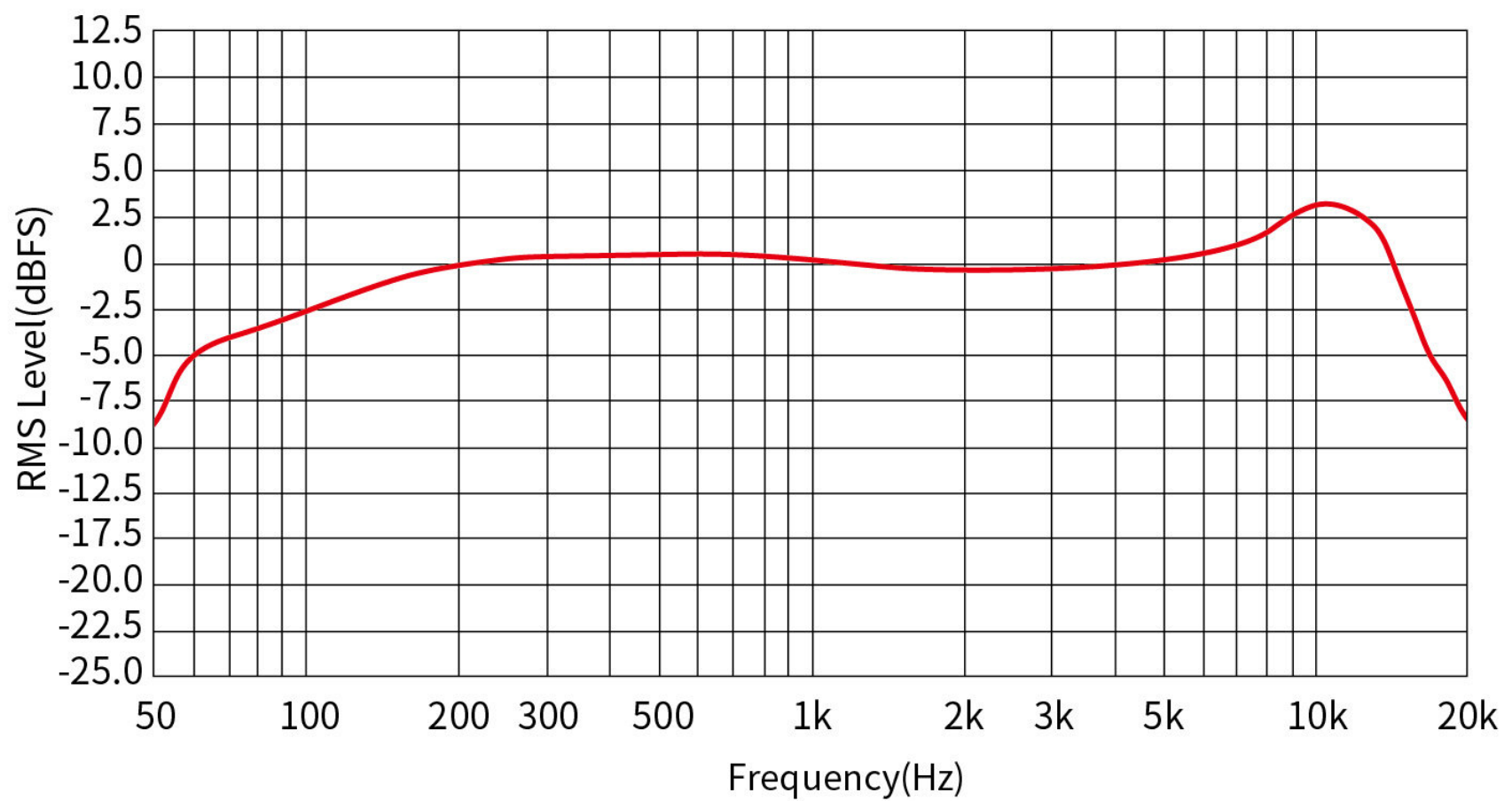
Product Features

- Condenser capsule
- 50m Wireless range
- Mic gain control
- Programmable RGB lights
- Compatible with smartphones and computers
- Shock mount and pop filter included
- Cardioid polar pattern
- One-touch mute
- Switchable real-time monitoring
- Maono Link software support

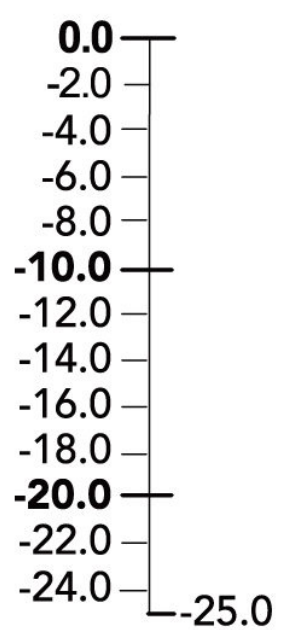
Specification

Microphone Type	Condenser Microphone
Polar Pattern	Cardioid
Sensitivity	USB: -4.0dBFS (1 kHz 94 dB SPL 0.5m)
Noise Reduction	Three levels: weak noise reduction, medium noise reduction, strong noise reduction
Max. SPL	105dB SPL at 1kHz 0.5m THD 10% MAX GAIN
Frequency Response	50-16000Hz
Adjustable Gain Range	0~+18dB
Monitoring Sensitivity	-8.0dBV (1kHz 94dB VOL&GAIN Max.)
Monitor The Headphone Jack	3.5mm TRS
Digital Output	USB C
Output Impedance Of The Headphone Jack	32Ω
Battery	18650-1500mAh, 3.7V (5.55Wh)
Charging Power Supply	USB C, 5V=1A Max.
Battery Usage Time	Approximately 18 hours with RGB on, 40 hours with RGB off (Based on Maono laboratory tests)
Wireless Working Distance	50m Max. (under line-of-sight conditions, based on Maono laboratory tests)

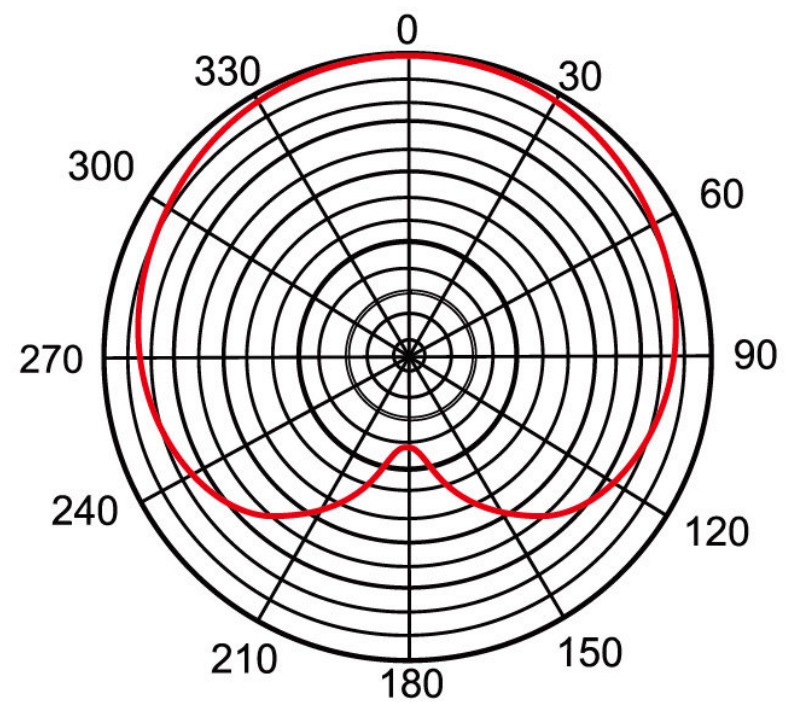
Frequency Response



Polar Pattern



dB rel. 1V/Pa

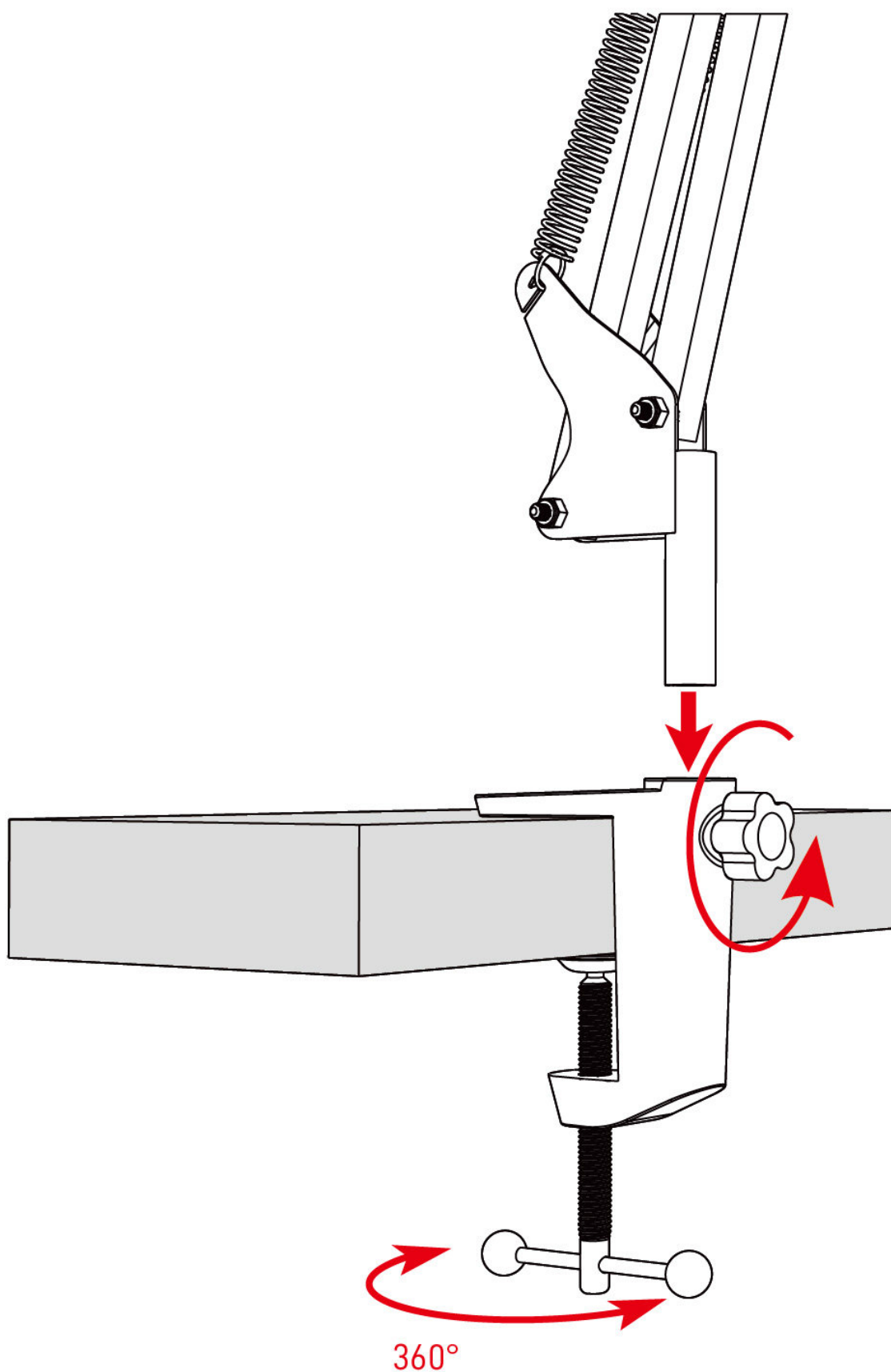
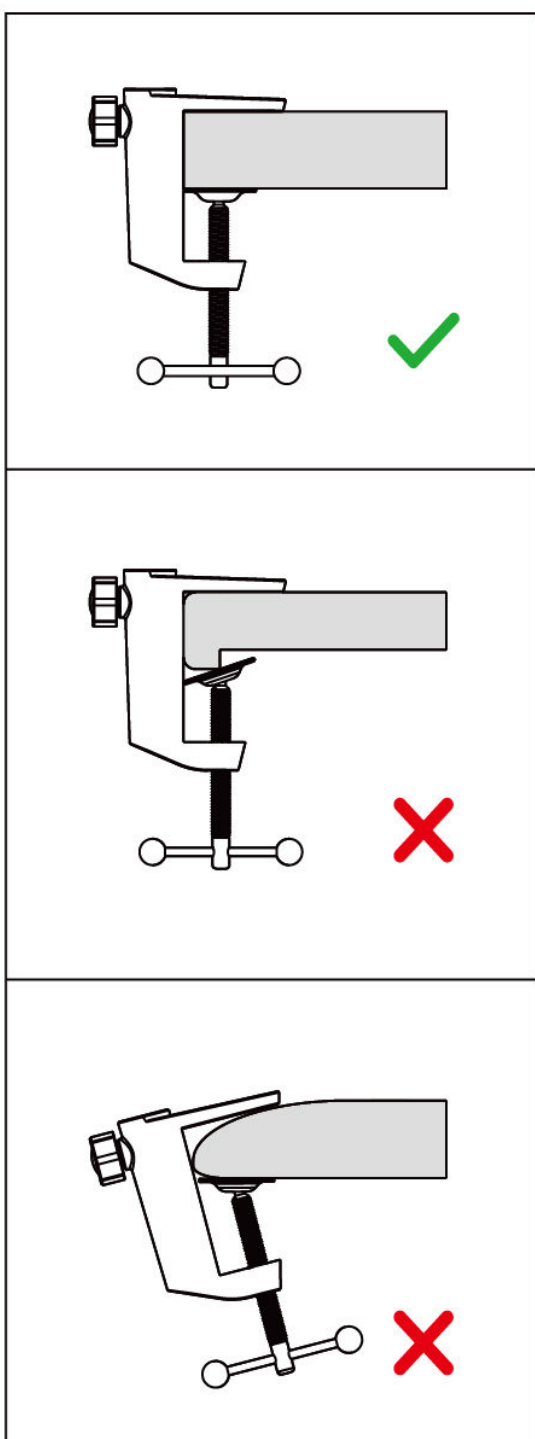


(at 1kHz)

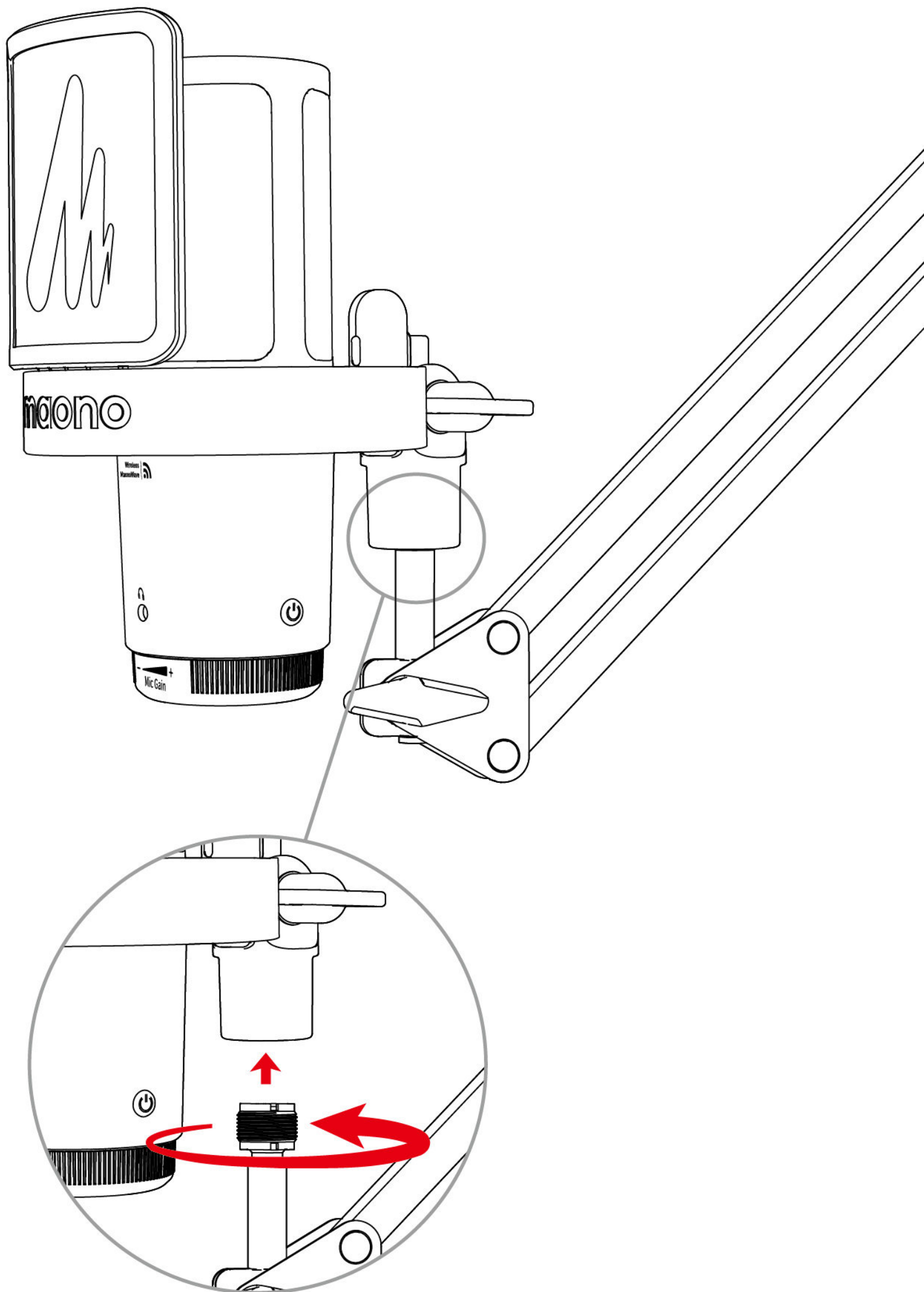
Product Installation and Usage

The microphone is installed on the BA20 boom arm.

1



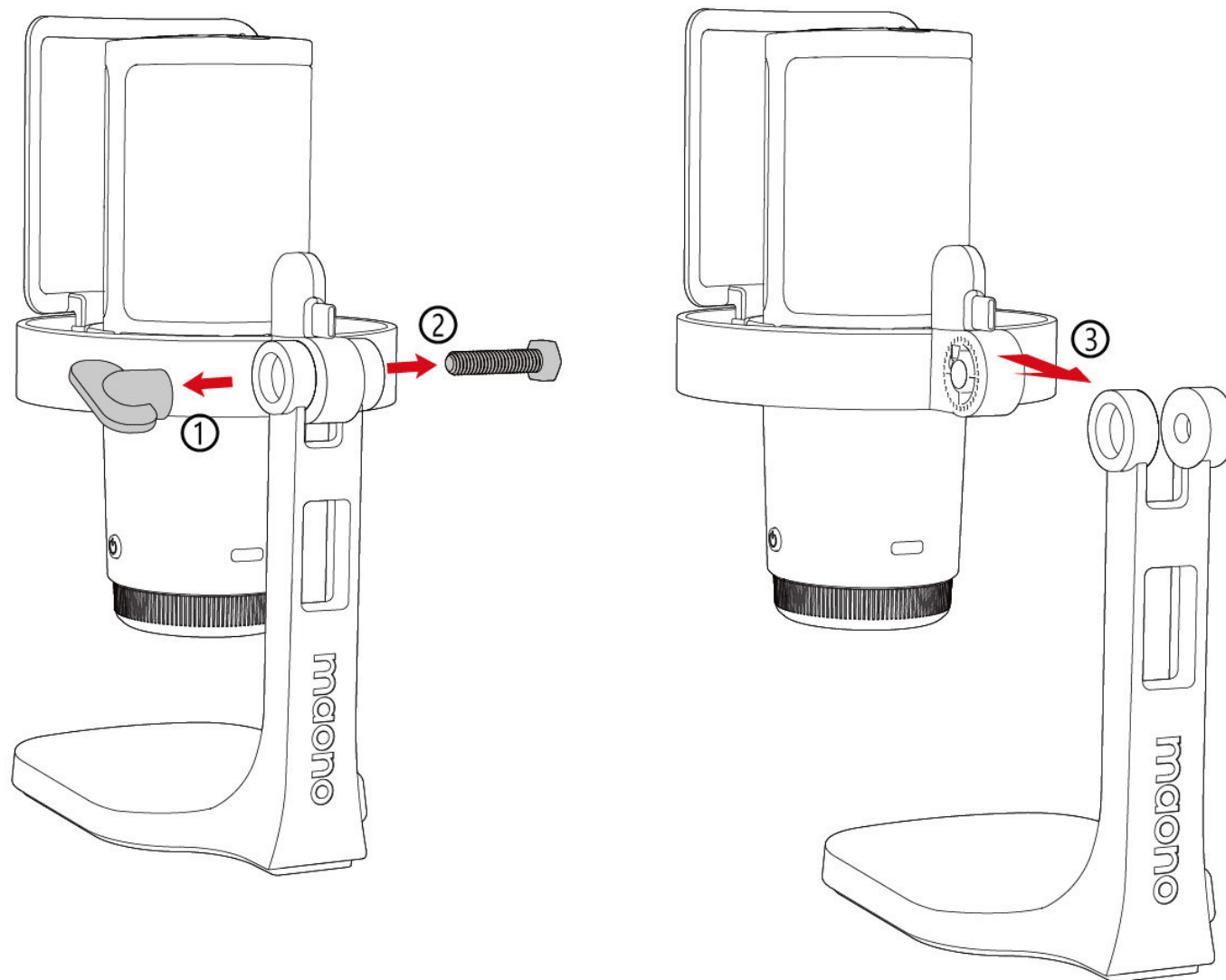
2



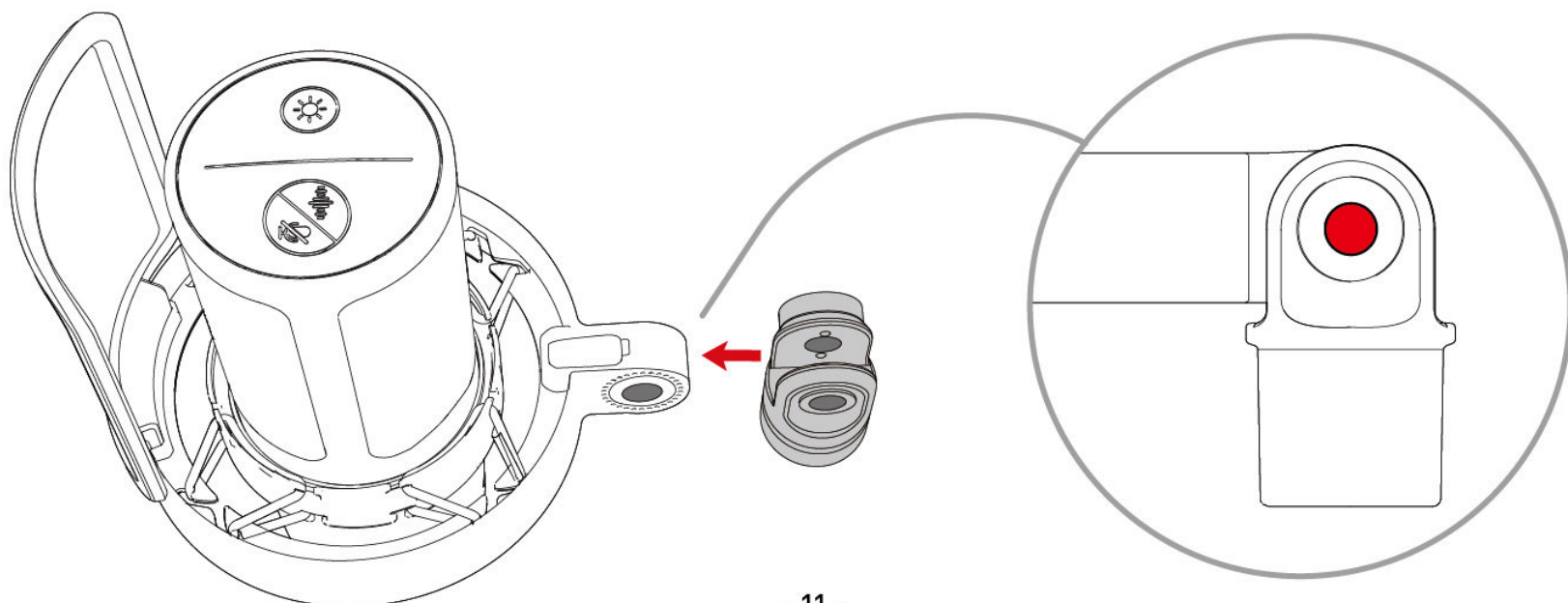
Note:

If you want to use the microphone with boom arms, please follow instructions below.

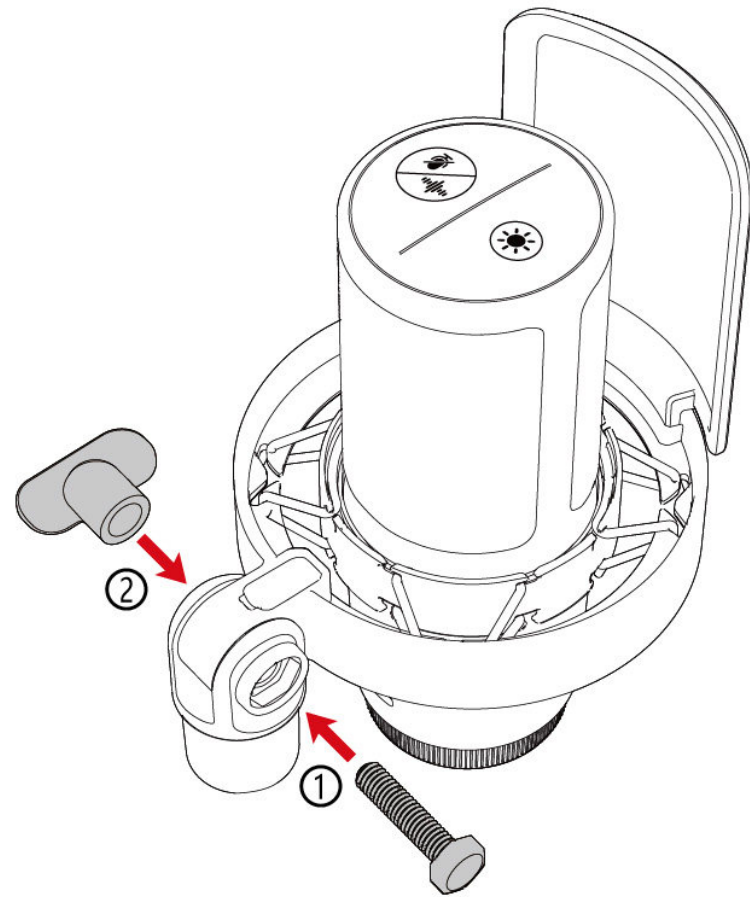
1. Turn the mic stand knob counterclockwise until the knob and the bolt can be taken out from the pivot joint. Then separate the microphone from the base bracket.



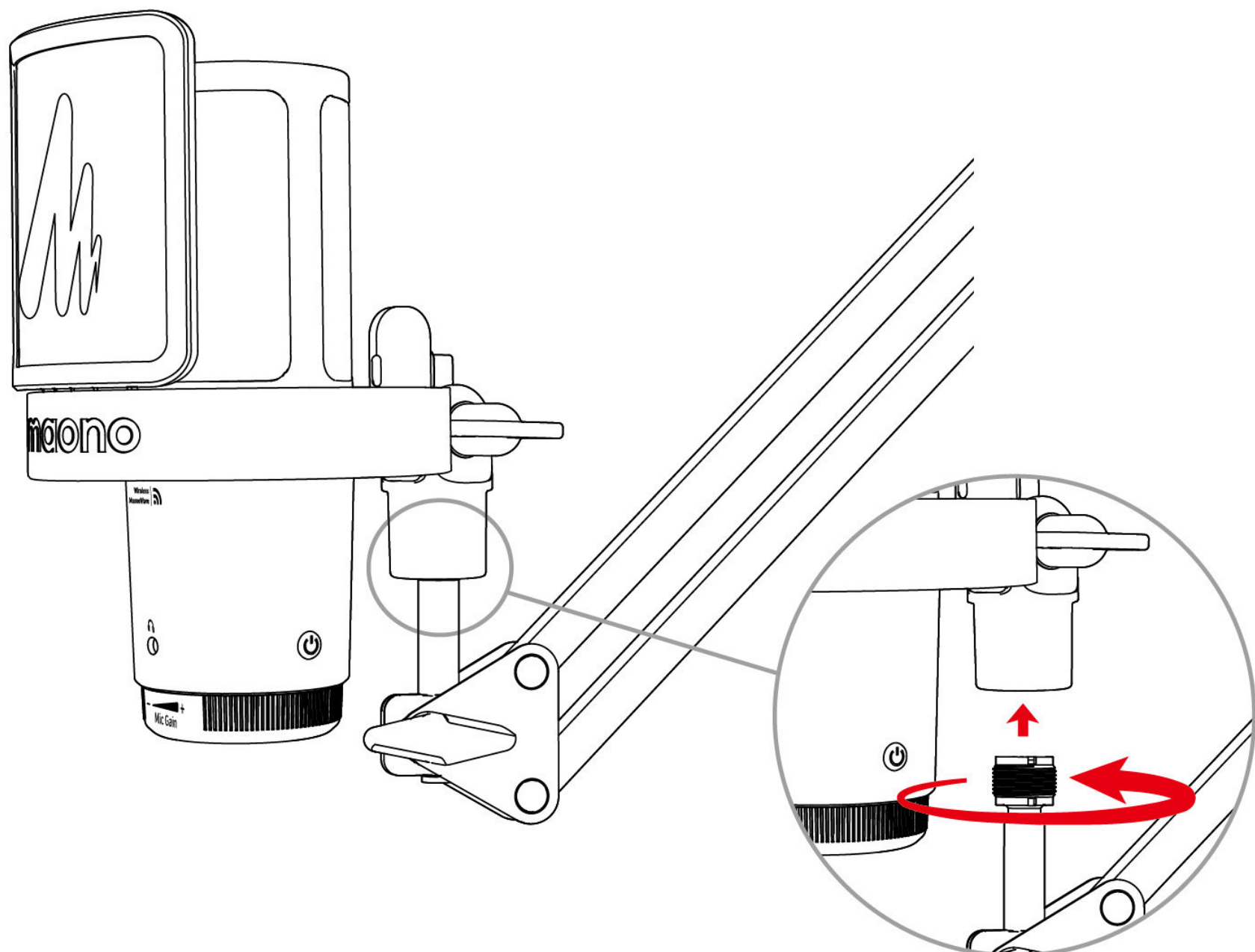
2. Align the connector with the microphone pivot joint, and make sure the connector holes are aligned with pivot joint holes.



3. Place the bolt into the hexagonal hole and fix the bolt's head side with your finger. In the meantime, screw the bolt by turning the knob clockwise until the microphone is firmly fixed to the connector.

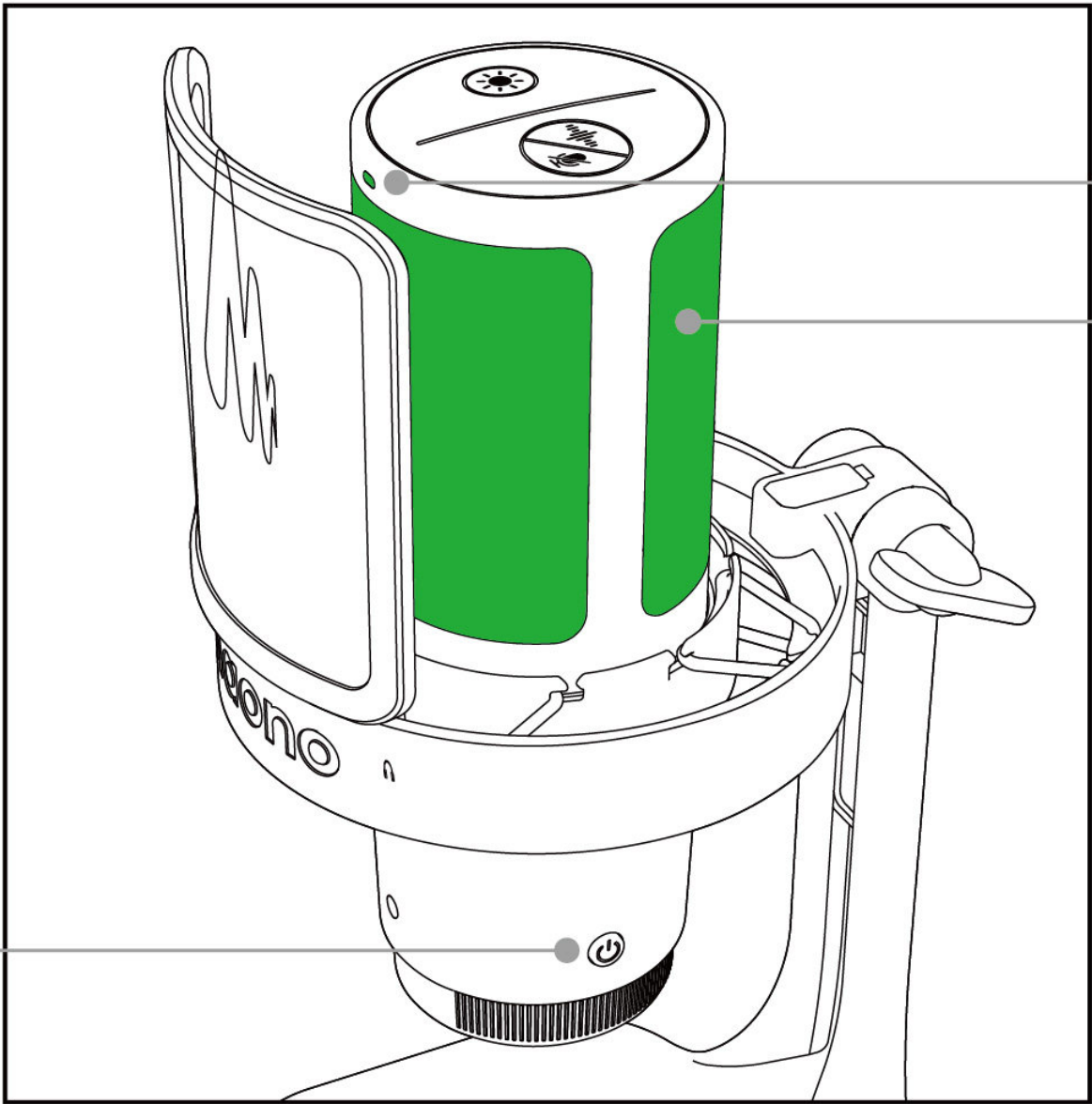


4. Install the microphone to the boom arm by turning the mic clockwise.



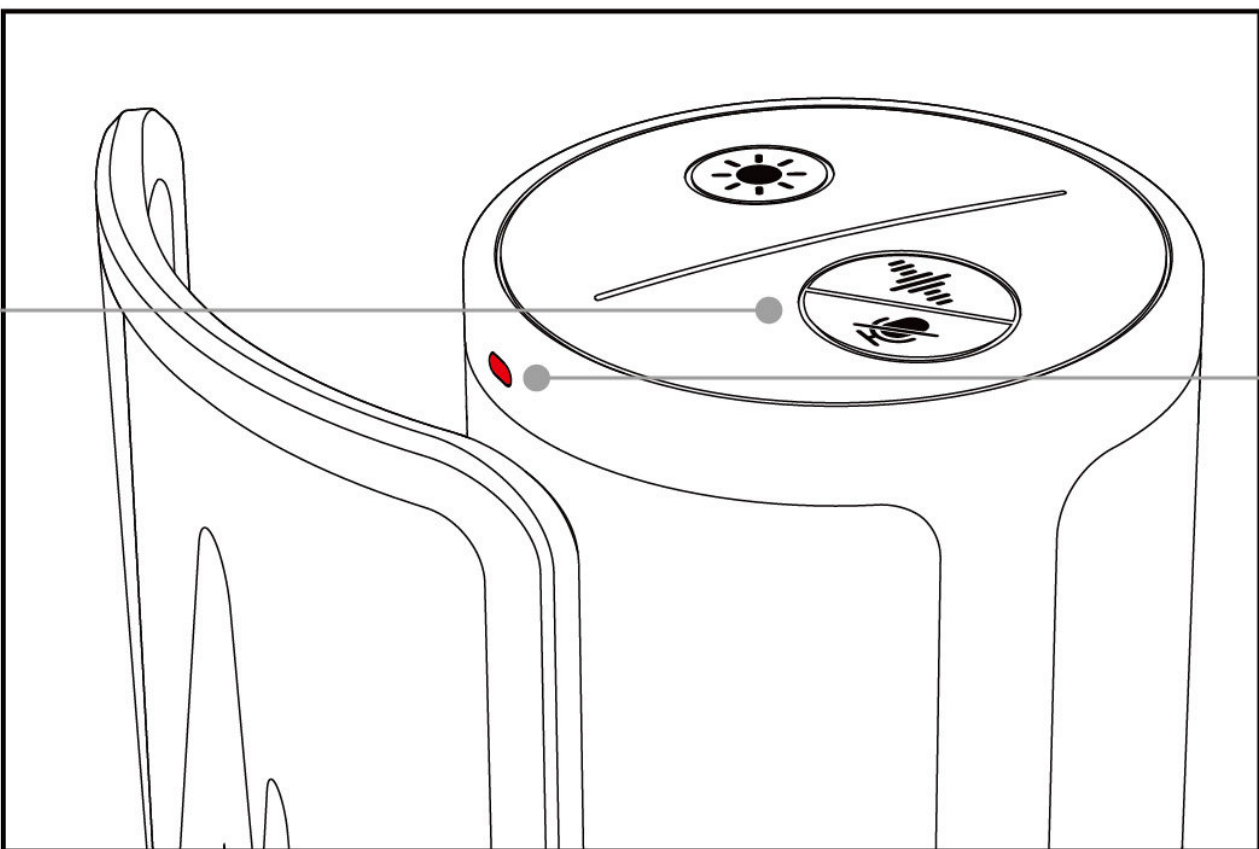
Microphone Buttons Functions

· Power Button



Control	Button Operation	Function	Indicator
	  2s	Power On	The LED light and RGB light turns on. If not connected, the LED light will flash blue.
	  3s	Power Off	The lights go out

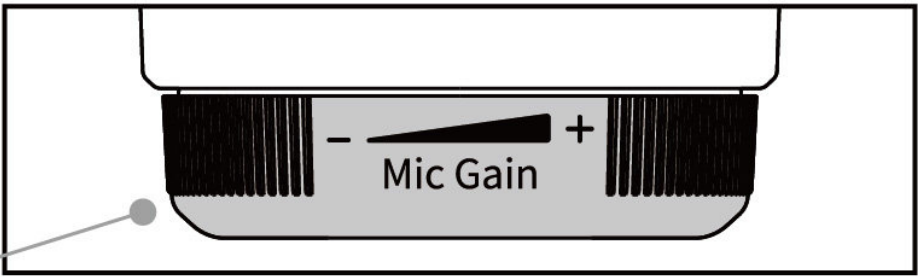
· Noise Reduction/Mute Button

			
Control	Operation	Description	LED Indicator
	 × 1	 →  Mute	 → 
		 →  Unmute	 → 
	 ⌚ 2s	Noise Cancellation ON	 → 
		Noise Cancellation OFF	 → 

Note:

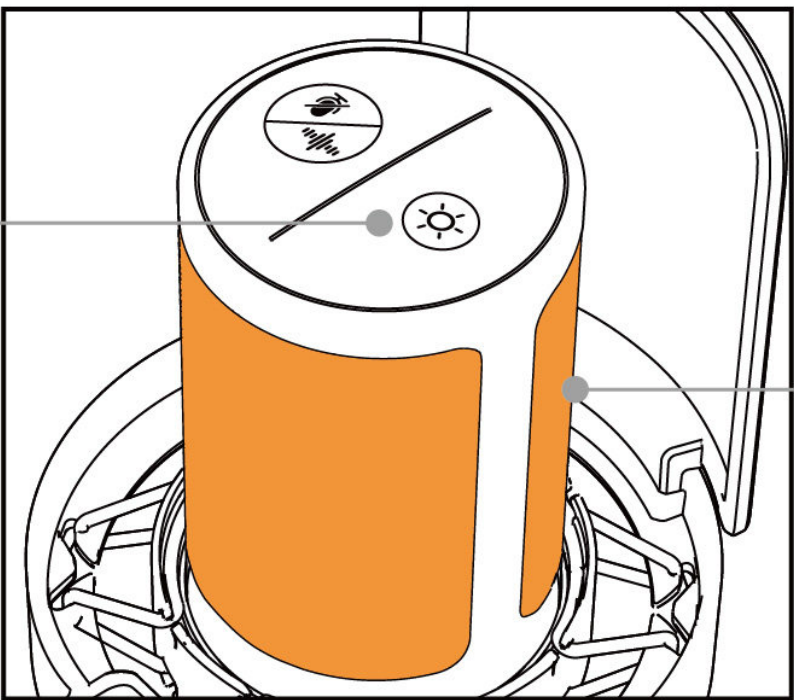
1. The default setting from the factory is non-mute; when the microphone is muted, the LED indicator lights up red, and the RGB light flashes red three times and then turns off; when the mute is cancelled, the LED indicator returns to its previous state, and the RGB light on.
2. The default setting from the factory is weak noise reduction mode; the noise reduction level can be set through the APP—weak, medium, and strong, and the noise reduction level will be automatically memorized after setting.

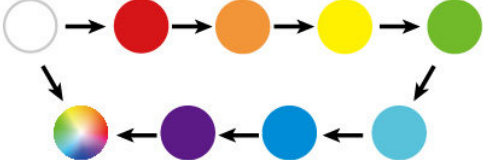
• Mic Gain



Operation	Function
 Turn to right	 Increase Mic Gain
 Turn to left	 Decrease Mic Gain

• RGB Light Touch Button



Control	Operation	Function	RGB Light
	 × 1	Switch from single color and RGB colors	
	 2s	Turn off RGB lights	

• **Microphone Port**

Port	Function details
 USB-C port	1. Charge the microphone; 2. Connect to the device via wire and use the microphone as an audio input device.
 3.5mm headphone port	Monitoring the sound of microphone or computer playback.

• **Wireless pairing of microphone and receiver**

When pairing, ensure that the microphone's **pairing function is turned on**. The operations are as follows:

Microphone buttons operation	Function	LED indicator
 Long press for more than 6 seconds in the off state	Turn on wireless	The blue light will flash rapidly.

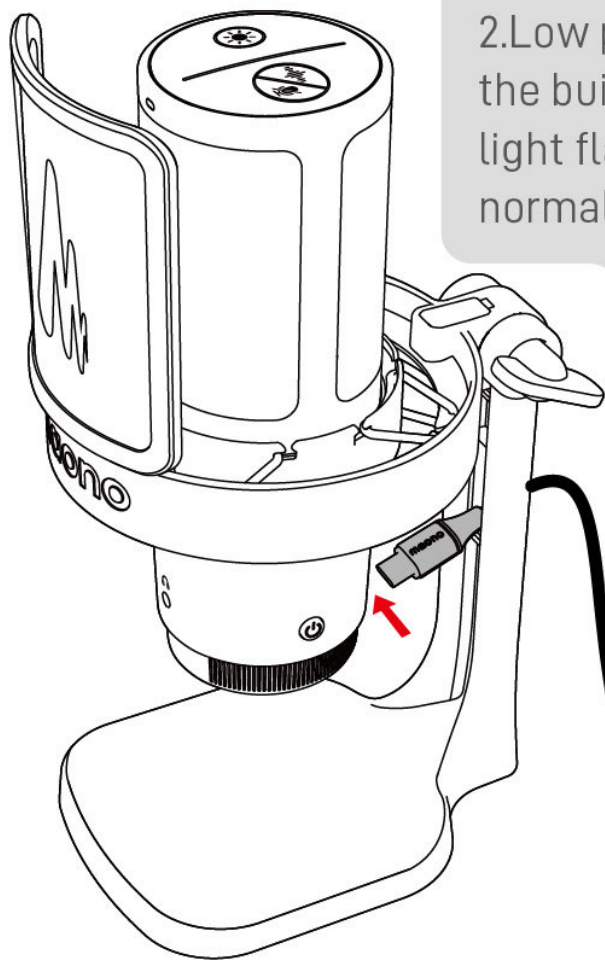
Note:

1. The microphone and the receiver are paired at the factory.

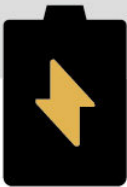
2. The distance between the receiver and the microphone should be kept within 2 meters; when pairing, there should be no other similar wireless microphone devices within 2 meters.



Charging



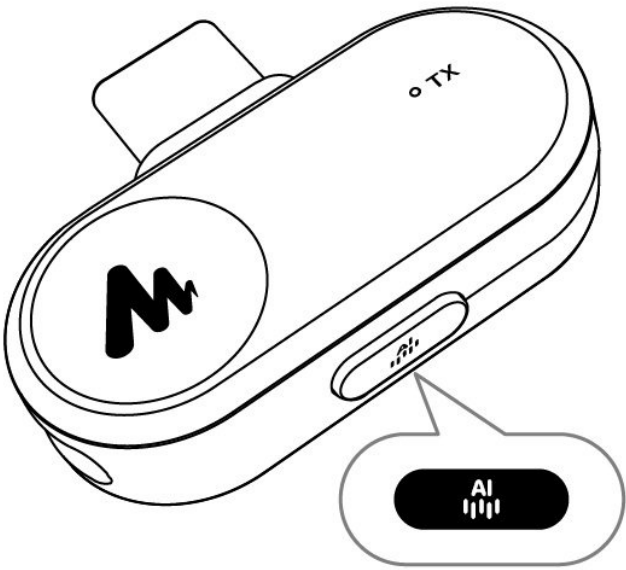
- Note: 1.You can check the microphone battery power on Maono Link software in real time.
- 2.Low power (charging) reminder in the power-on state: When the built-in battery power is less than 20%, the LED indicator light flashes orange twice in 15 second, and then returns to normal display state, reminding the power shortage every 15 seconds until the user charges the microphone, or it is completely out of power and automatically shuts down.
3. To maintain battery activity and avoid performance degradation caused by long-term inactivity, it is recommended that you use the wireless mode for at least 8 hours per month to help keep the battery in good condition for a long time.



Status	Power Condition	LED Indicator	Notes
Charging (Power On)	Not fully charged		Lights up when the power cable is connected.
	Fully charged	The orange light turns off	The indicator turns off once charging is complete.
Charging (Power Off)	Not fully charged		Stays on while charging; turns off immediately after the power cable is plugged out.
	Fully charged	The orange light turns off	Turns off when the battery is fully charged.
Power warning during use	>20%	No indicator	No indicator.
	<20%		Blinks twice every 15 seconds.

USB-C Receiver/Lightning Receiver Function

• Noise Reduction Button



Operation	TX Status Indicator Light
 × 1	→ ● Level 1 noise reduction (weak) ↓ ● Level 2 noise reduction (medium) ↓ ● Level 3 noise reduction (strong) ↓ ● Original mode

Note: 1. The weak noise reduction mode is enabled by default at the factory.
2. When turning on/off noise cancellation in the mute state, the status indicator lights of TX still show the mute state lighting effect.
3. The noise cancellation mode has a memory function.

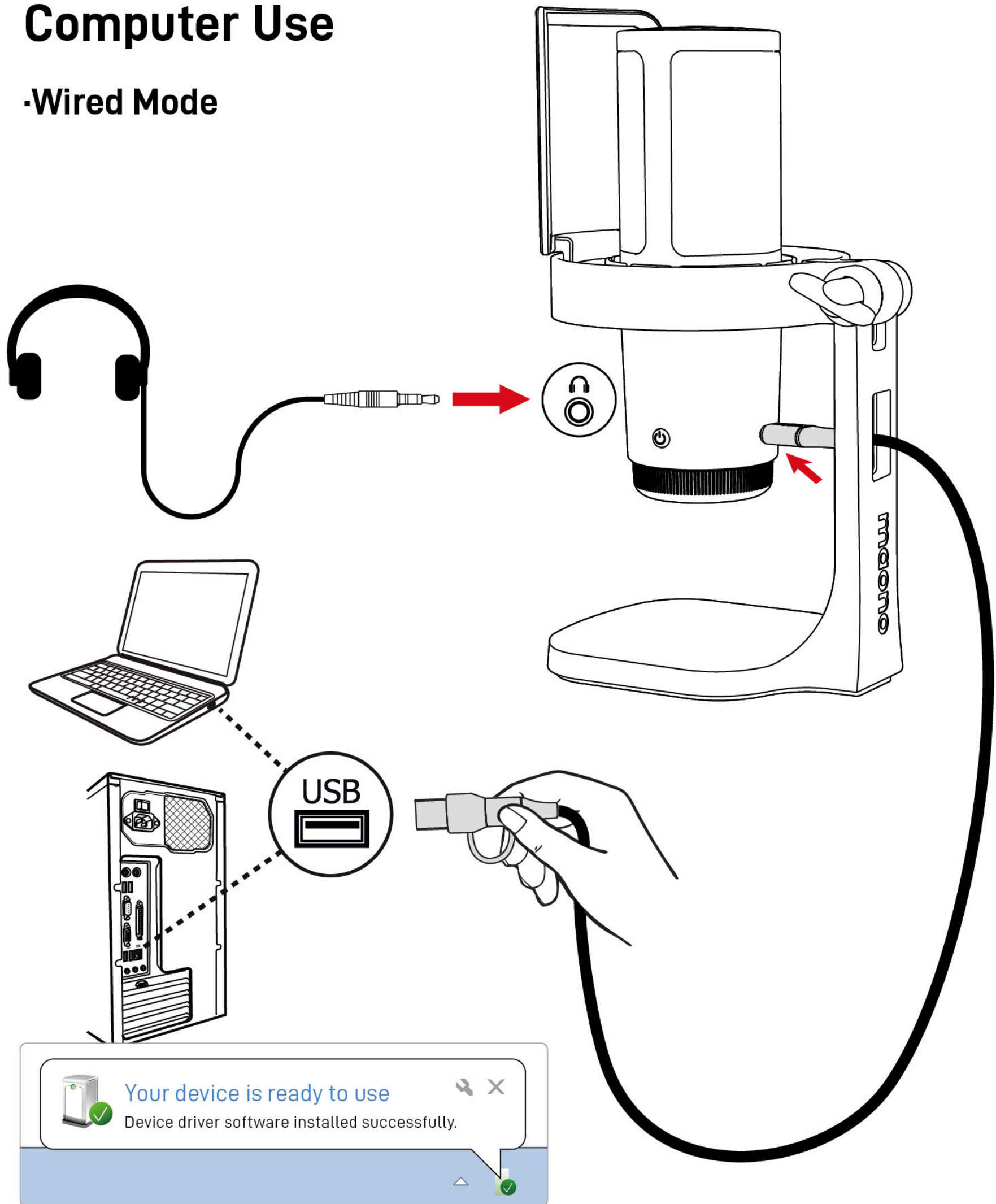
Operation	Function
 ⌚ 2.5s	Turn on/off the phone's speaker

Note: The speaker is turned off by default when leaving the factory.



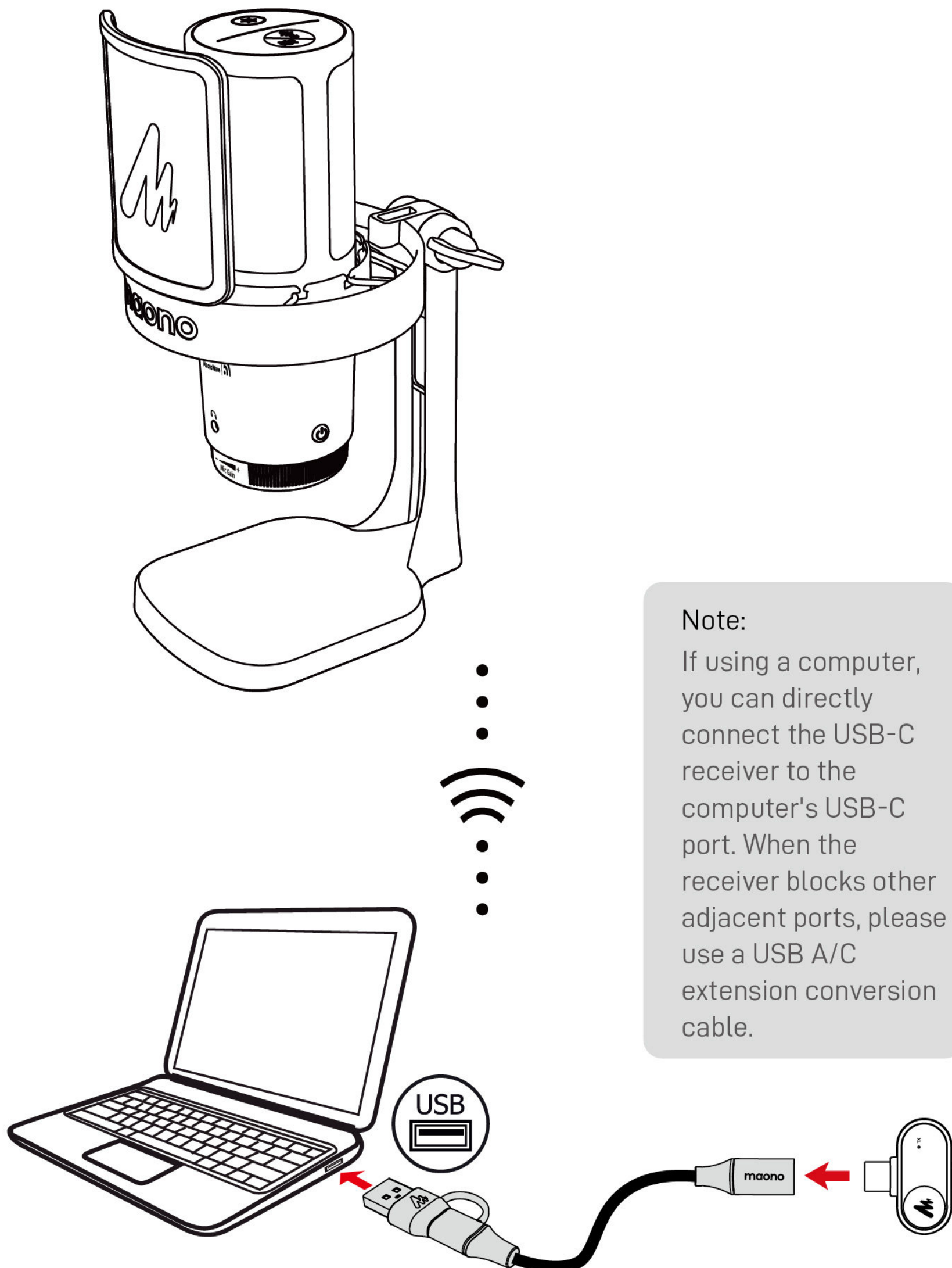
Computer Use

•Wired Mode



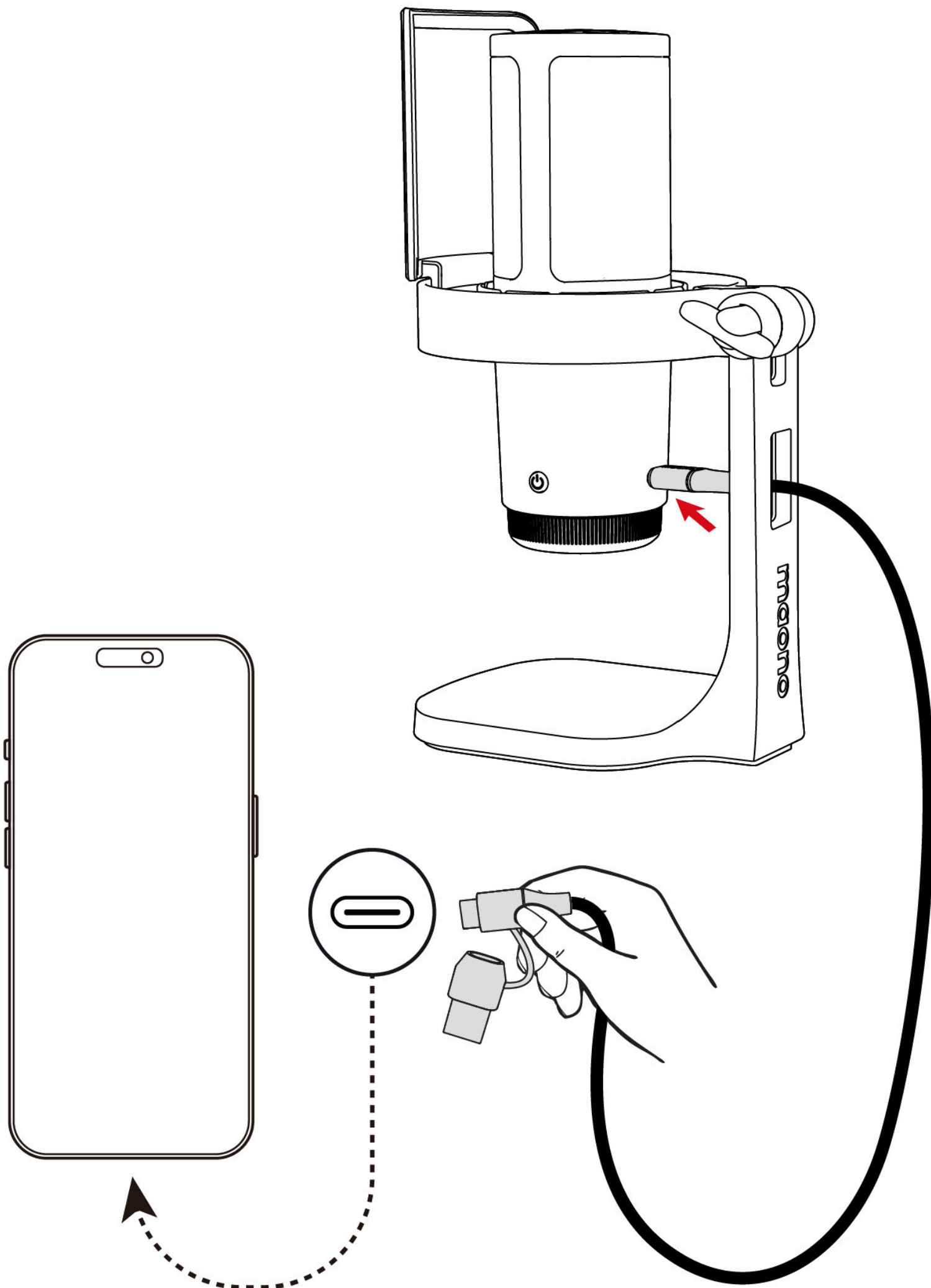
Note: Connect your headphones to the 3.5mm headphone jack on the microphone if you want to take advantage of real-time monitoring.

• Wireless Mode

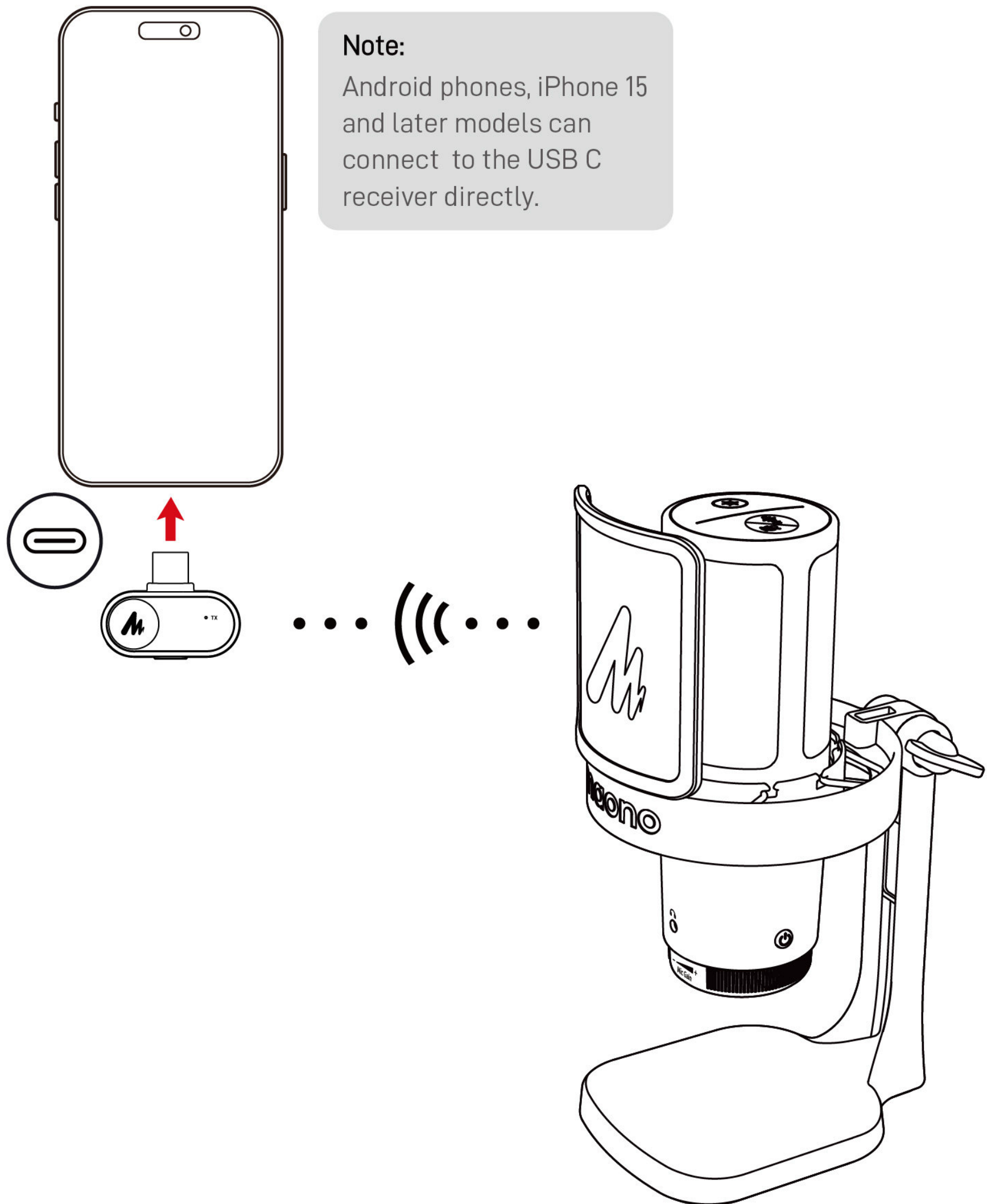


Mobile Phone Use

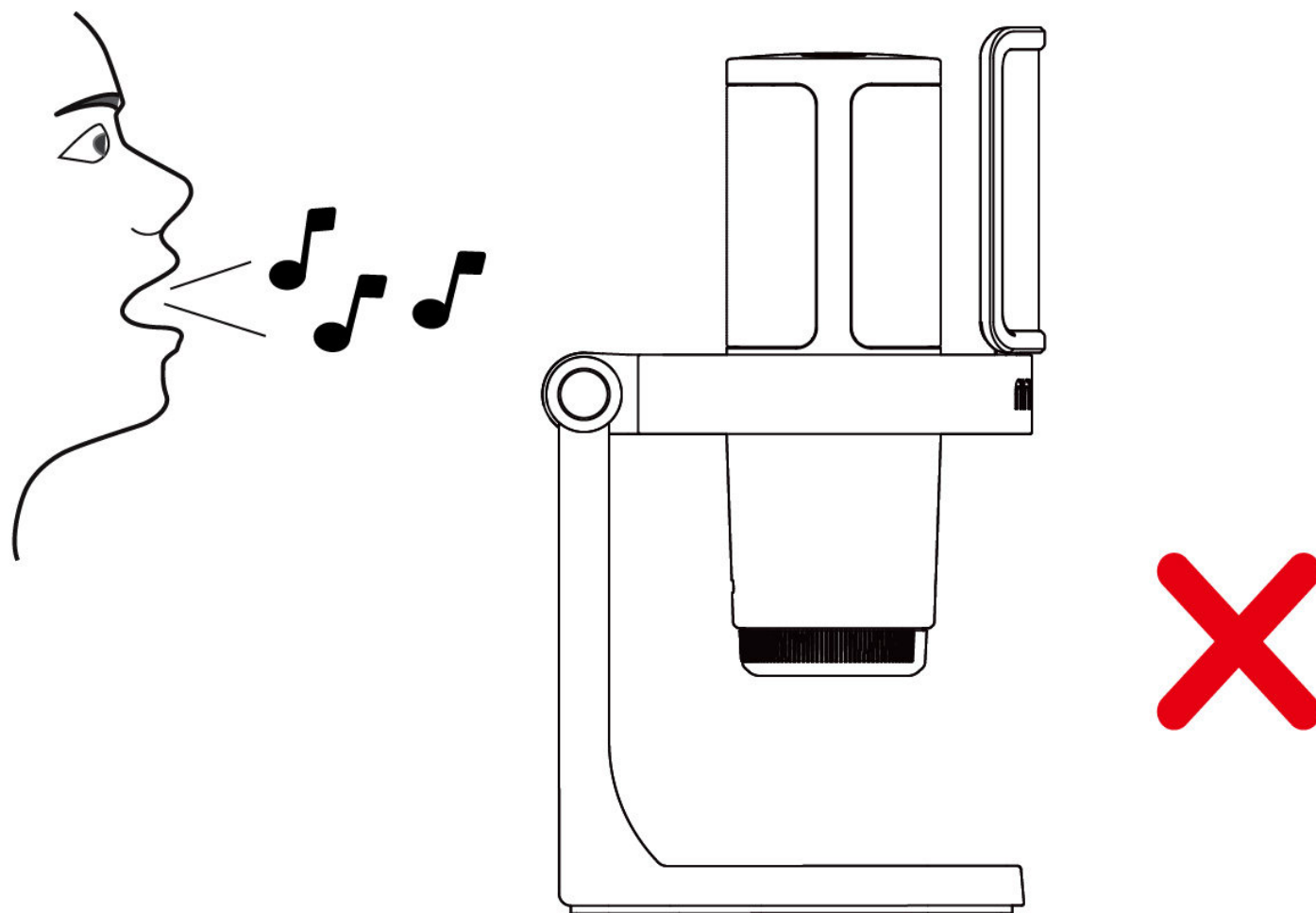
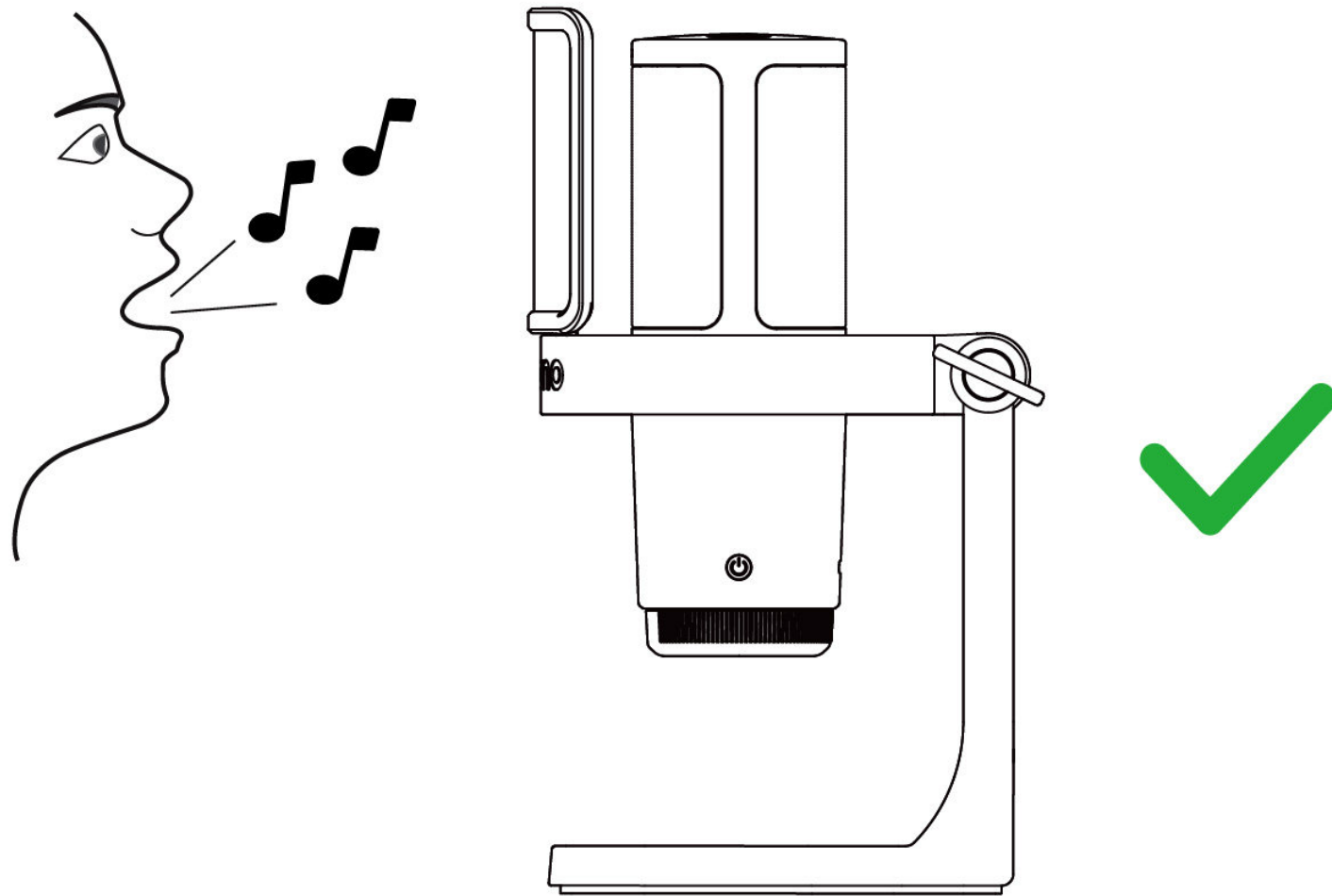
• Wired Mode



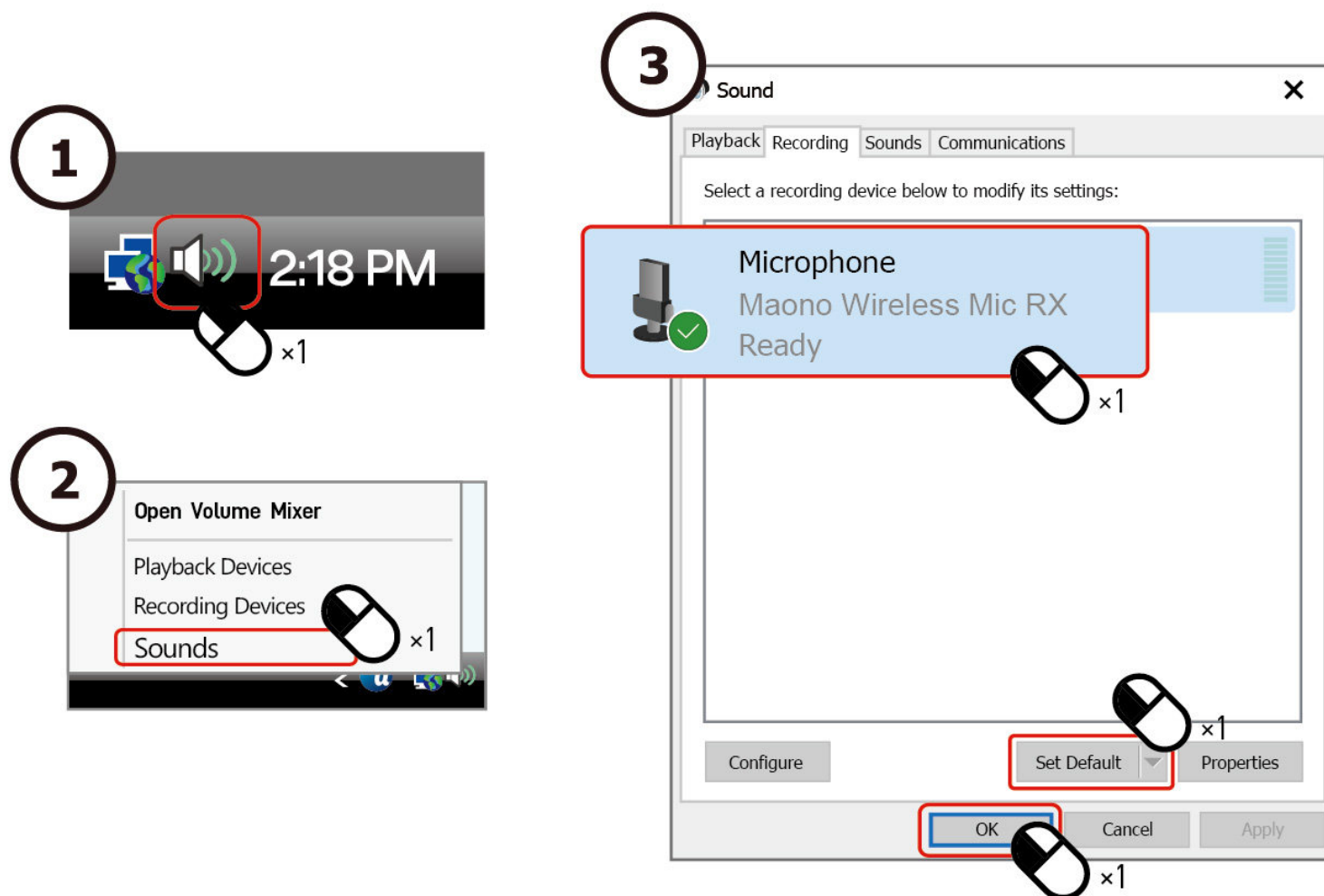
• Wireless Mode



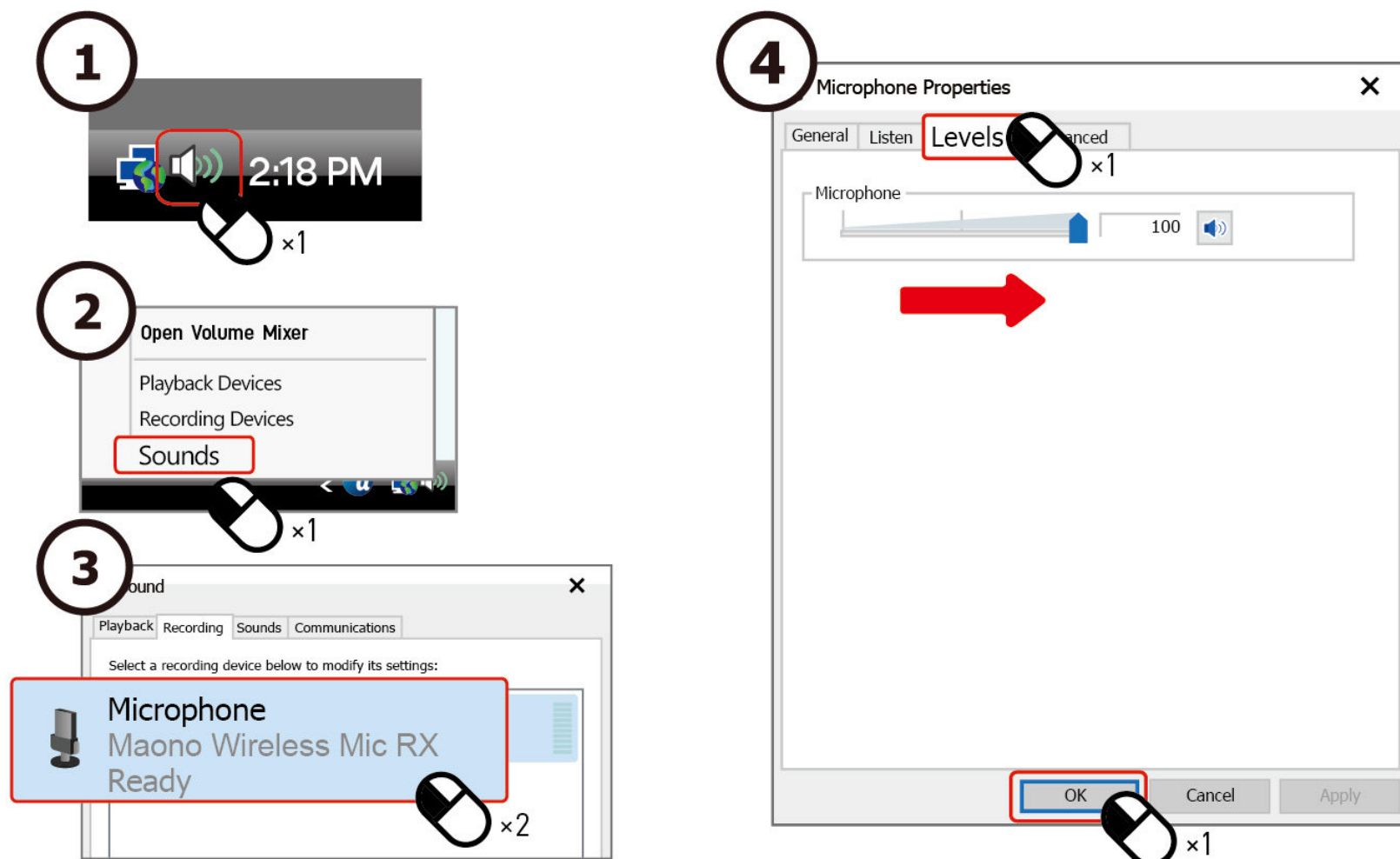
Side-address microphone



Windows Setting Guide

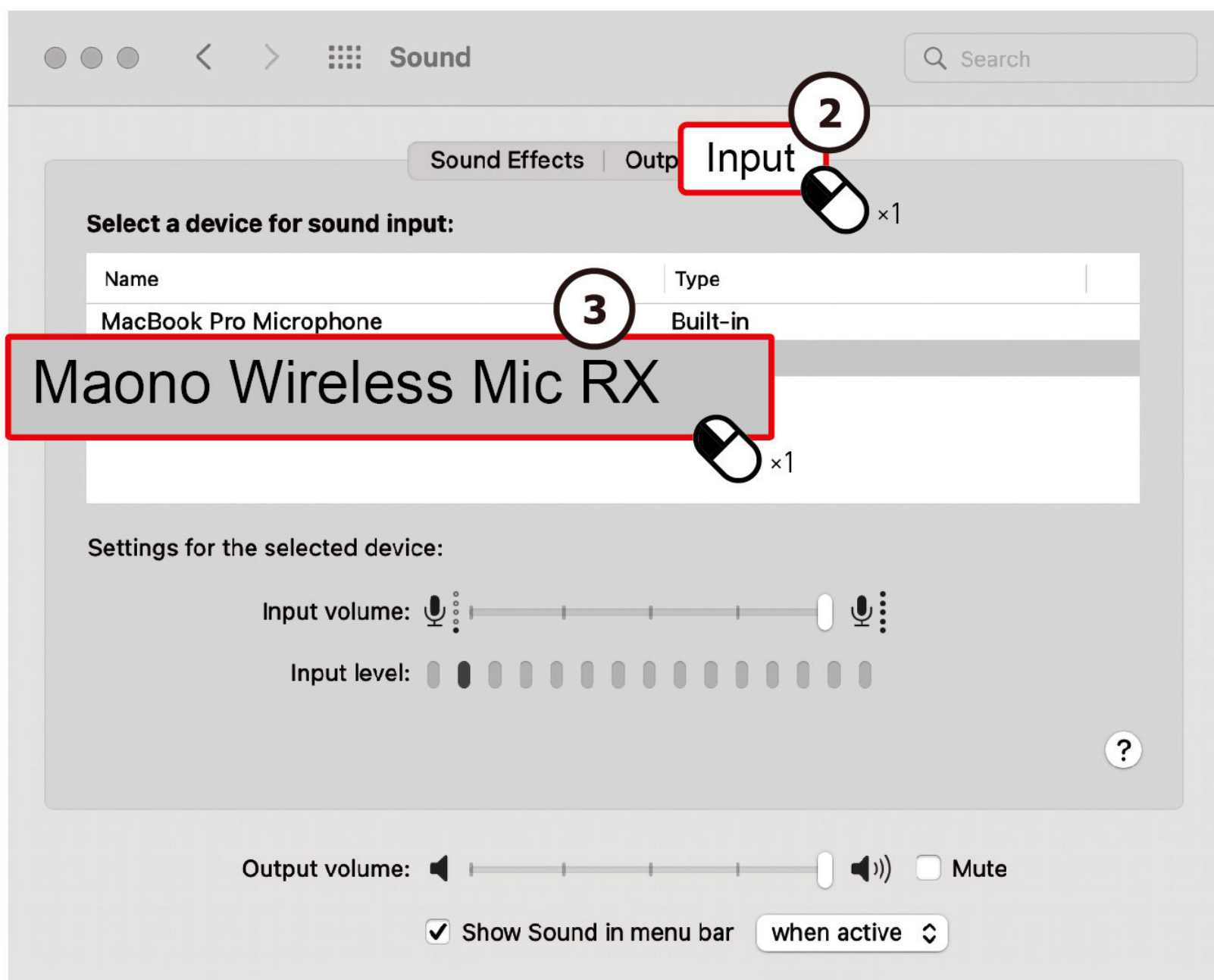
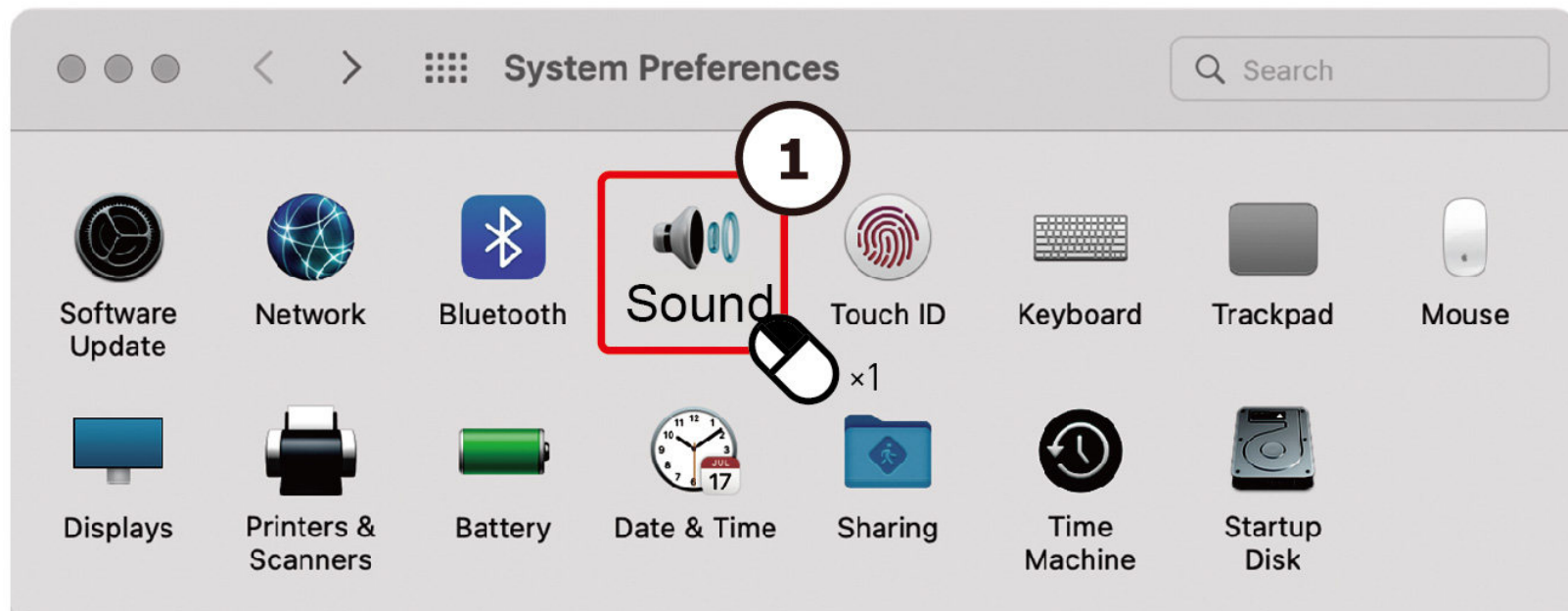


Microphone level setting



* Connect the microphone with computer via USB cable, the mic will be detected as "Maono DGM20W Mic USB".

macOS Setting Guide



* Connect the microphone with computer via USB cable, the mic will be detected as "Maono DGM20W Mic USB".

“Maono Link”Guide

Maono Link is available for both Windows 10 1809 or later and macOS 13.5 or later.

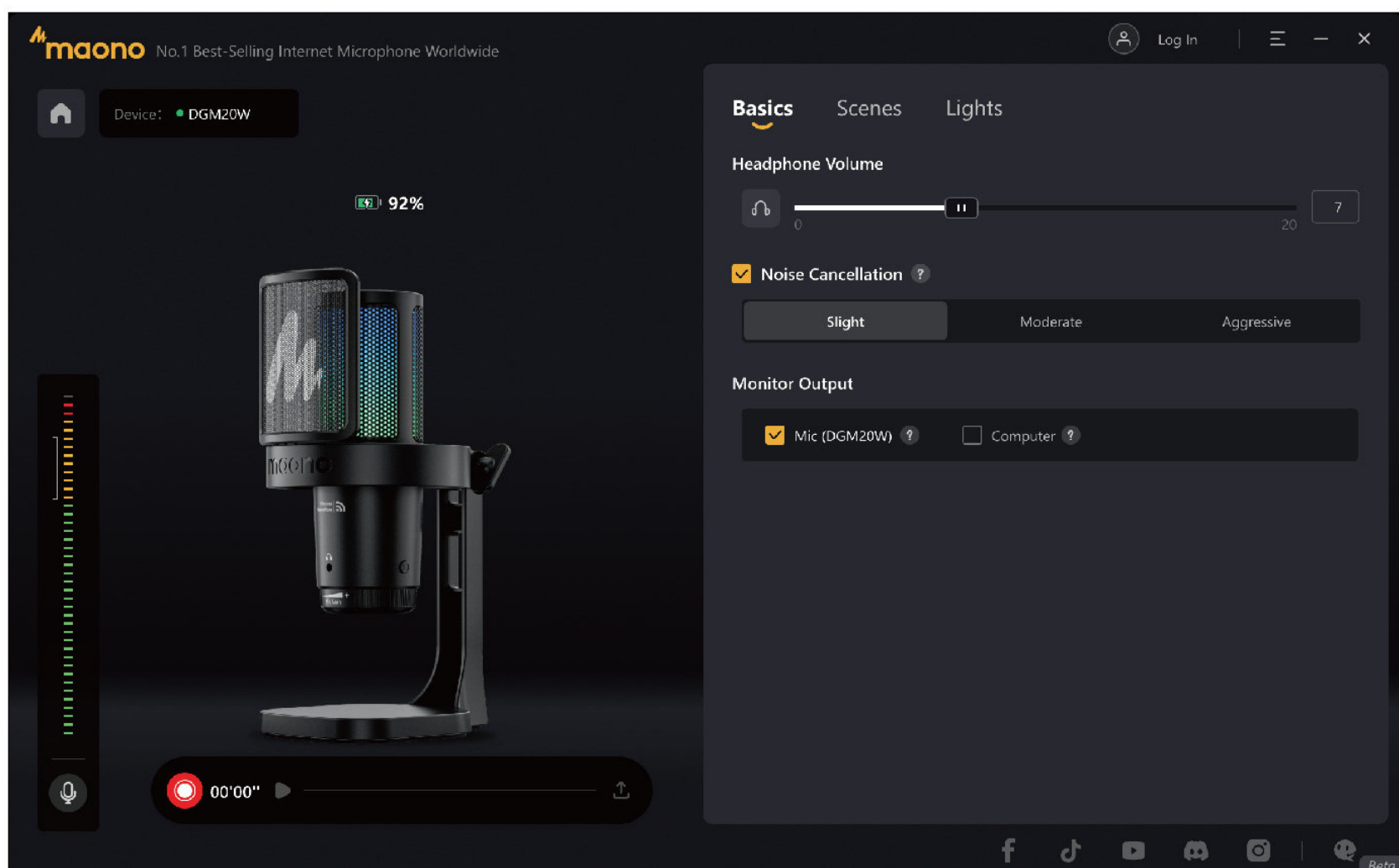
To download the software, please go to <https://www.maono.com>

Settings are synced in real time between hardware and software.

In order to better improve the user experience, the Maono Link software will change the interface and functions due to version upgrades. Please refer to the latest version of the software released by Maono.

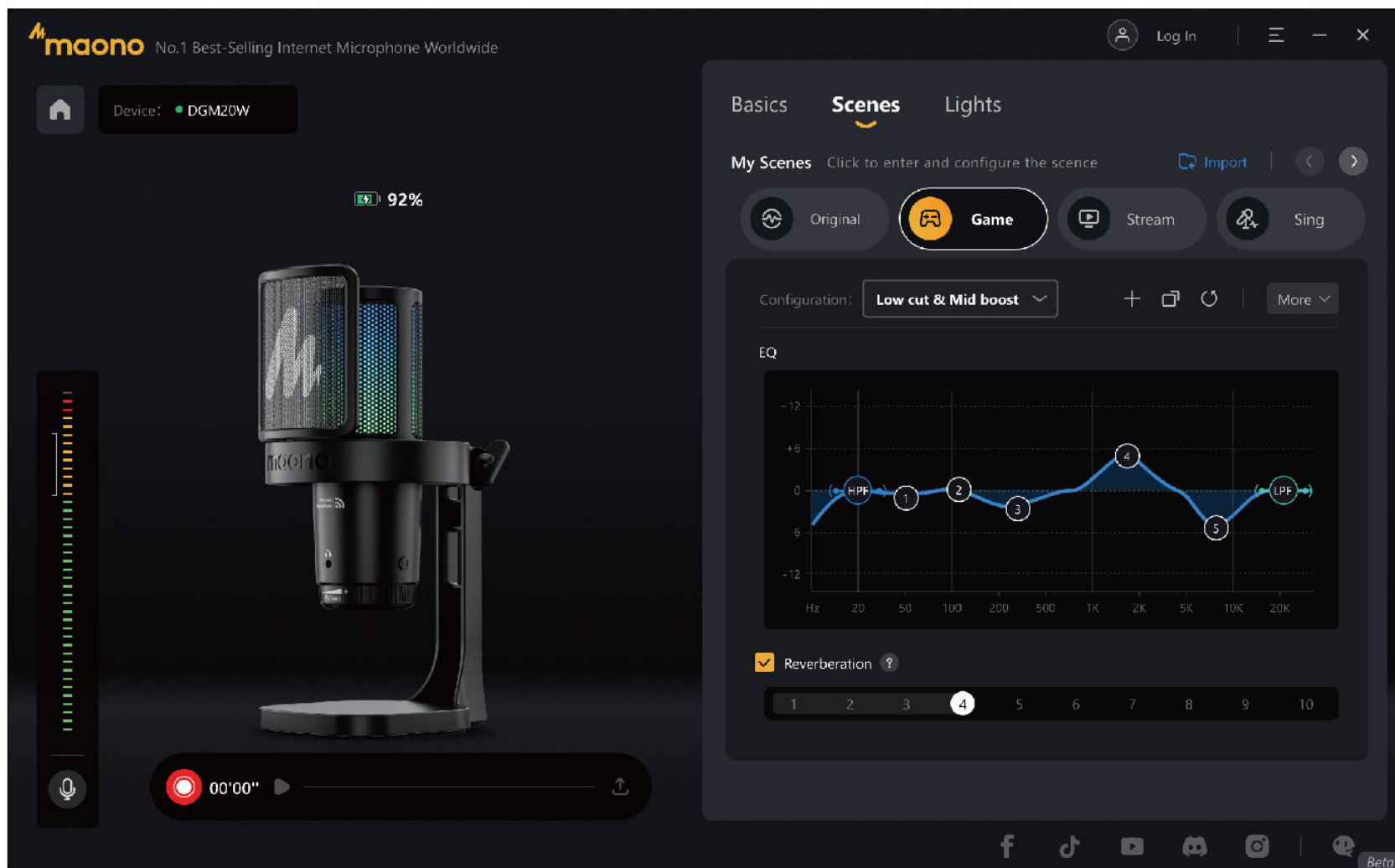
Recording Setting

Maono Link provides users with a wide range of microphone audio functions and rich DSP effect parameter settings to meet users' personalized needs for sound effects. Through preset effects, users can quickly complete personalized settings.



One-click switch microphone sound effect

Maono Link presets a variety of carefully adjusted scene sound effects, and users can achieve microphone sound effect changes in different scenes with just one click. Whether you are an entry-level user or a professional user, you can create your own personalized sound through Maono Link software.



FCC Requirement

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

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

IC Caution:

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

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

- French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

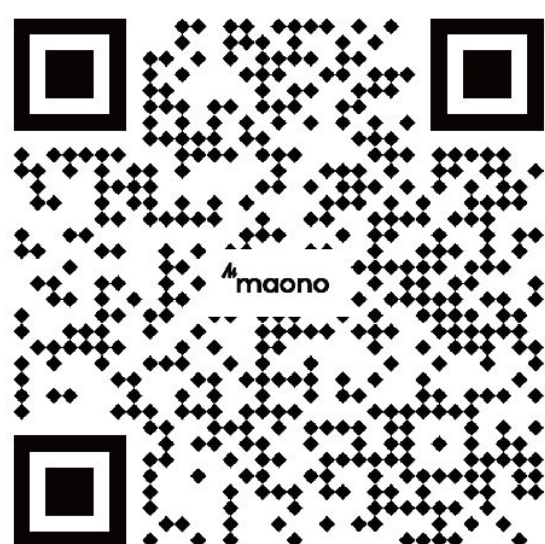
L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le matériel a été évalué pour répondre aux exigences générales d'exposition aux radiofréquences. Le dispositif peut être utilisé dans des conditions d'exposition portables illimitées.



To get technical support, please scan the QR code



Maono Link Download



Made in China

Final clause :

Information and data contained in this manual are subject to change without notice in advance.



Model : DGM20W
DGM20W S
Product Name :
Wireless Mic

Technical support:
support@maono.com
www.maono.com



Company: Zhou's Jade Star UG
Address: Brunnenallee 11A 14478 Potsdam
Tell: +49 179 7962788
E-mail: jadestar.eu@gmail.com



Company: CET PRODUCT SERVICE LTD.
Address: Chase Business Centre, 39-41
Chase Side, London N14 5BP United Kingdom
Email: info.cetservice@gmail.com
TEL: +447419325266

We frequently update product firmware to improve user experiences and performance.

The status display and operations may be slightly different among different firmware versions.

For latest user manuals, please access on <https://www.maono.com>

V1.0_20251213