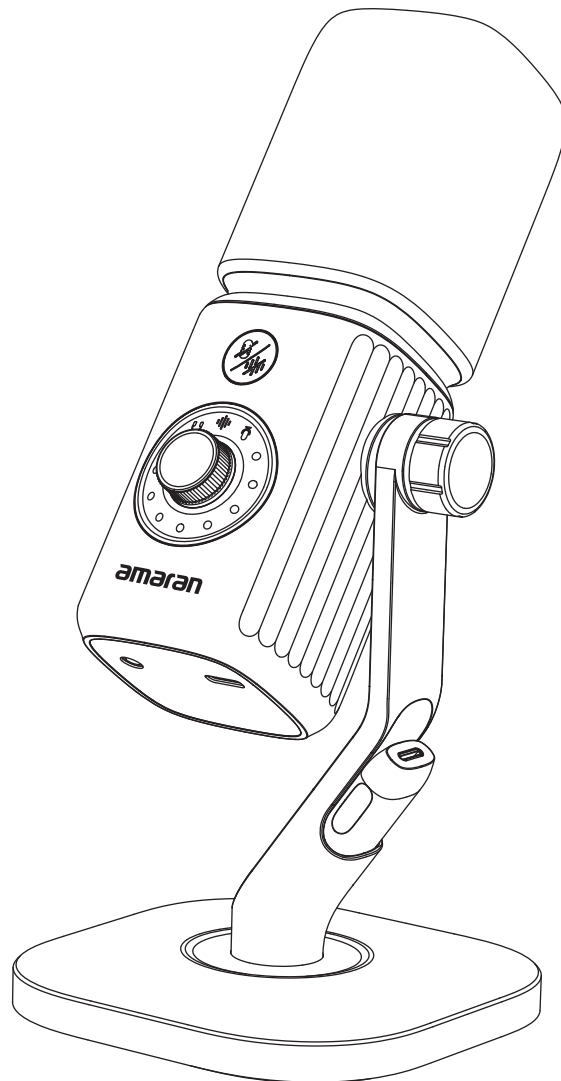


amaran®



amaran Mic

Product Overview

English

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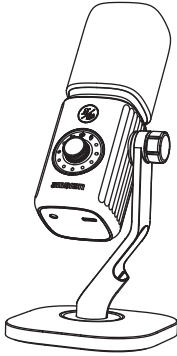
Introduction

Thank you for purchasing the amaran Mic.

The amaran Mic is a wireless desktop microphone engineered for live streamers, podcasters and video creators. Featuring an intuitive, user-friendly design, it meets the audio recording demands of daily content creation. Equipped with a built-in 30mm pickup capsule, it delivers soft, natural vocal texture with rich detail. Powered by advanced AI noise reduction algorithms, it effectively suppresses ambient background noise. It adopts 2.4GHz wireless transmission to eliminate cable restraints common to traditional recording gear. Compatible with mobile phones and computers without an external sound card, it offers unmatched flexibility and convenience. Both professional producers and beginner creators can effortlessly capture crisp, textured human voice with this microphone.

Components List

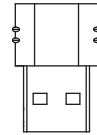
Please verify all included accessories before use. Contact your authorized retailer immediately if any items are missing.



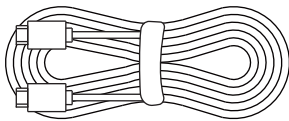
amaran Mic × 1



amaran Mic Receiver×1



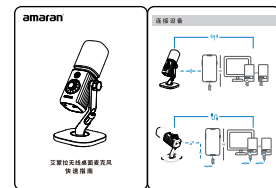
maran USB-C
to USB-A Adapter ×1



amaran USB-C to USB-C
Data Cable (2m) ×1



Coin Wrench×1

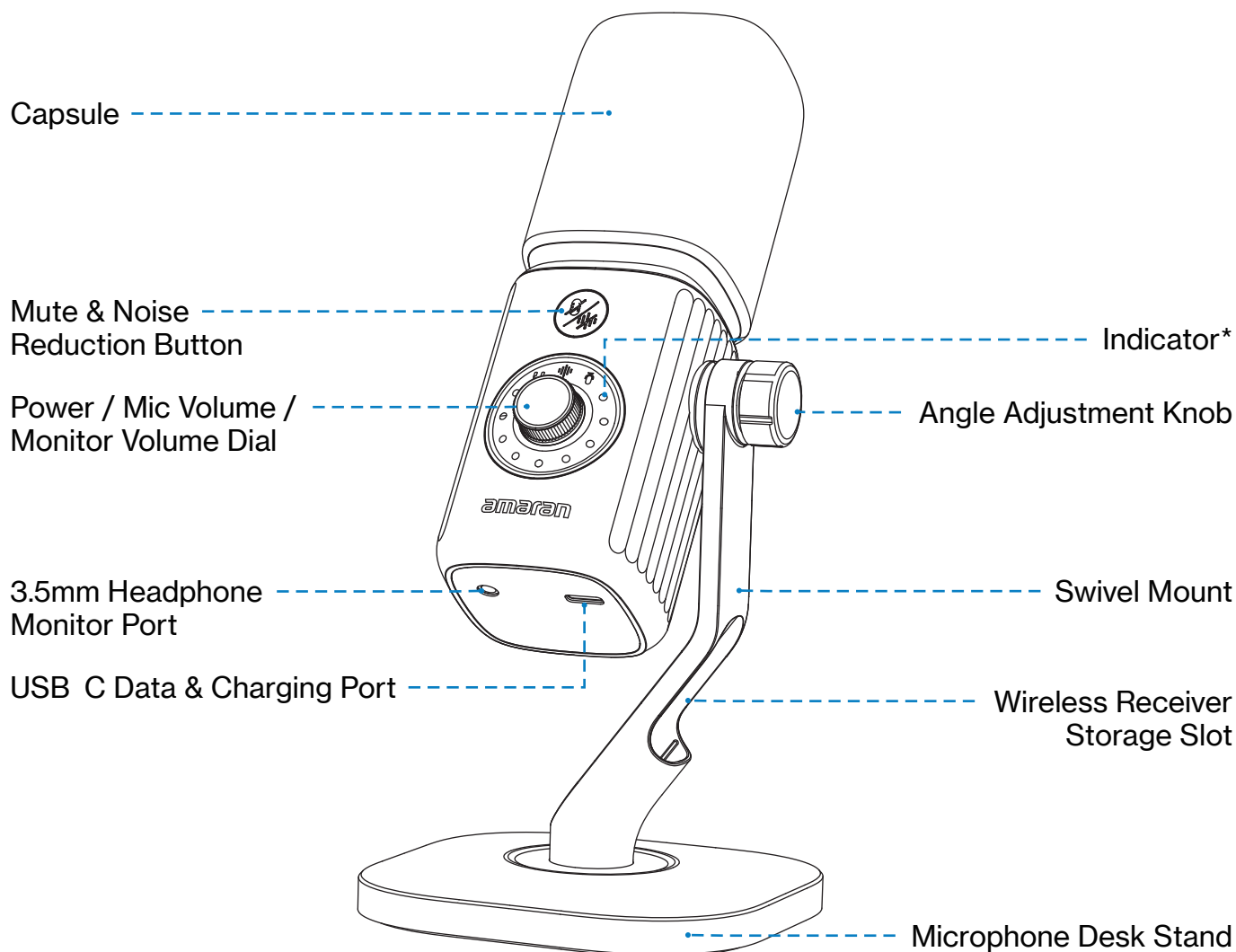


Quick Start Guide ×1

Note: Illustrations in this manual are for reference only. Due to continuous product updates, if physical items differ from manual illustrations, please refer to the actual product.

Product Overview

1. Microphone



Indicator*	
	Microphone Volume Indicator
	Indicates the current microphone recording volume adjustment mode
	Monitor Volume Indicator
	Indicates the current headphone monitoring volume adjustment mode
	Noise Reduction Indicator
	Indicates the noise reduction status
	9-Level Status Indicator
	Indicates microphone recording volume / headphone monitoring volume / battery level

2. Wireless Receiver

USB C Charging Port

When paired with a smartphone, you may connect an external power supply to this charging port to charge your phone simultaneously (pass-through charging function, smartphone-only).



USB C Data Port

For connecting to devices such as smartphones, computers, tablets, and action cameras.

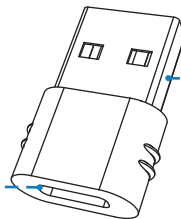
Note:

- For OPPO, VIVO, iQOO and Realme Android phones: Navigate to System Settings, search for the "OTG" option and turn on OTG power supply before use.
- The included USB adapter can convert the USB C port to USB A, for compatibility with devices featuring different port types.

3. USB Adapter

USB-C Port

(For connection to the receiver's USB-C data port.)



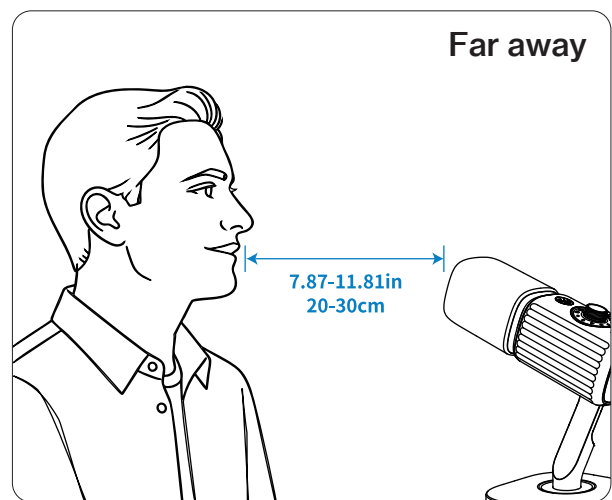
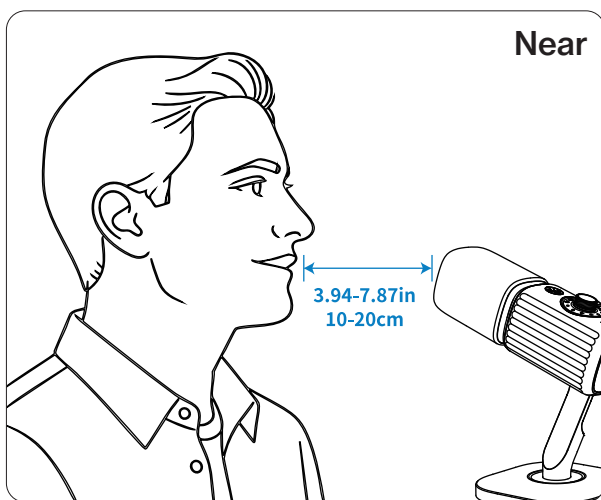
USB-A Port

(For connection with computers.)

Instructions

1. Microphone Audio Capture

This microphone features directional sound pickup. Speak toward the top of the mic. For optimal audio quality, keep your mouth 10–20 cm away from the microphone. If you need to record sound from a farther distance, turn up the capture volume accordingly. For softer bass tones, move closer to the microphone and lower the capture volume. Feel free to test-record multiple times to adjust the distance and volume, so you can achieve the best audio performance matching your usage scenario.

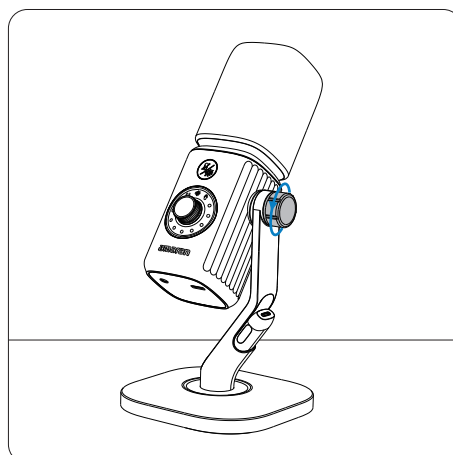


Note: When AI deep noise reduction is enabled, avoid capturing voices of other people. Alternatively, shorten recording distance and reduce mic gain for purer vocal audio.

2. Mounting Methods

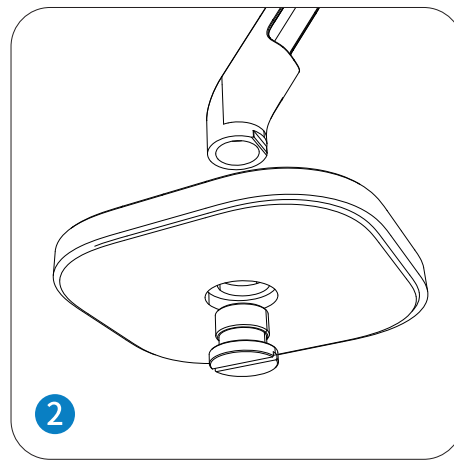
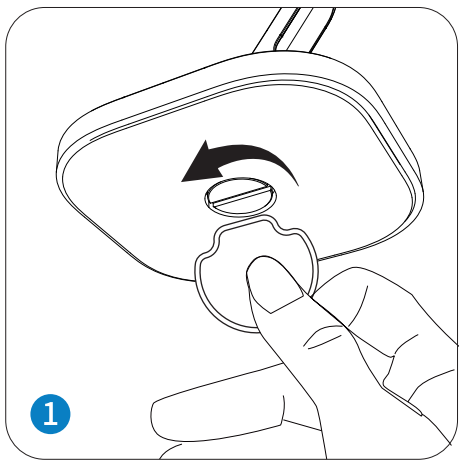
a. Method 1: Desktop Placement

The microphone comes pre-assembled with a desktop stand out of the box for immediate use. Adjust the mic angle to align with the optimal sound pickup direction.

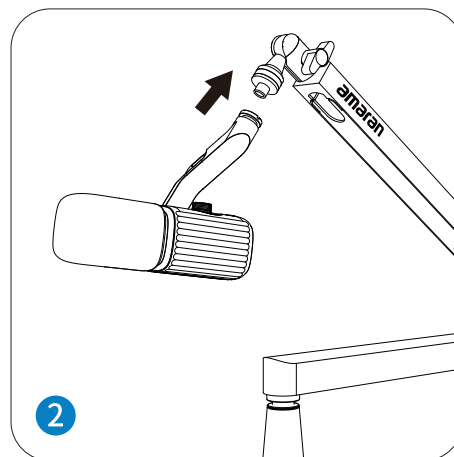
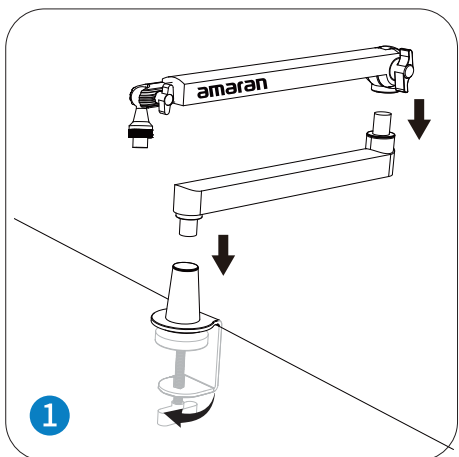


b.Method 2: Boom Arm Mounting

For boom arm mounting, buy the boom arm separately or choose the boom arm bundle. Mounted on the arm, the mic offers fully adjustable recording angles.



Step 1: Remove the base

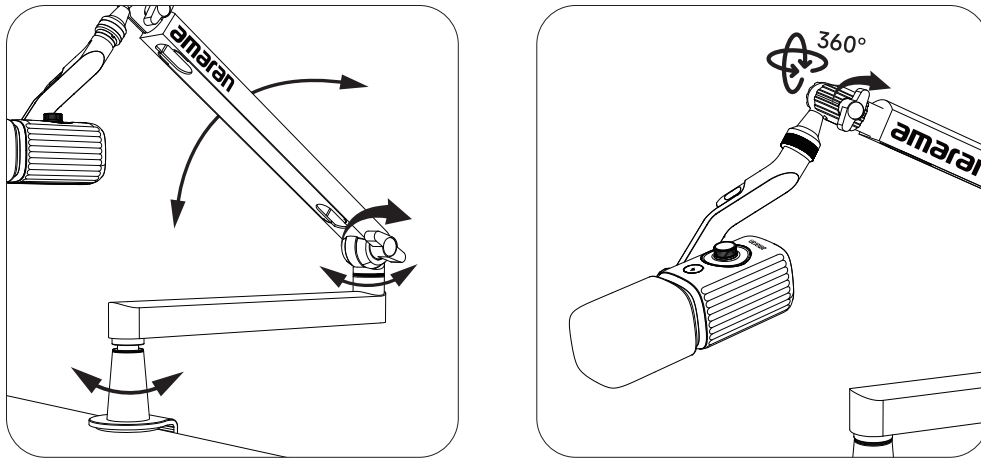


Step 2: Attach the microphone to the boom arm

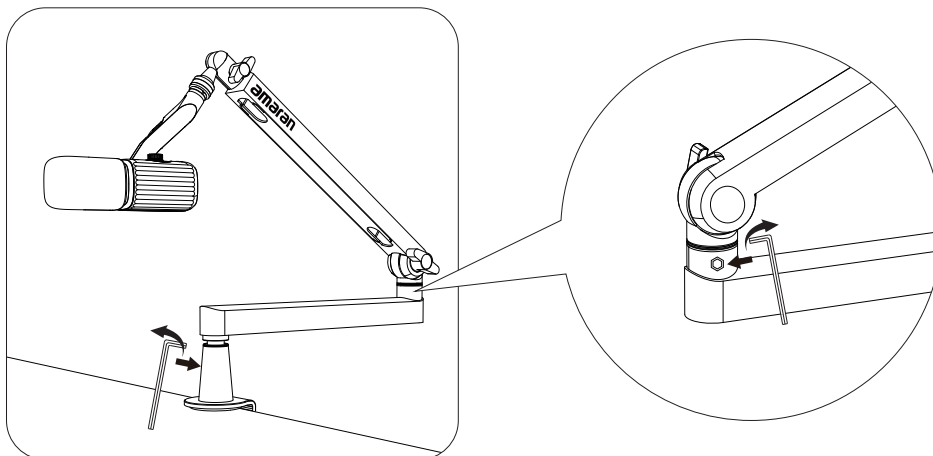
Note: The bottom of the amaran Mic features a 5/8" thread. Use a thread adapter if your stand uses a 3/8" thread.

3. Boom Arm Usage

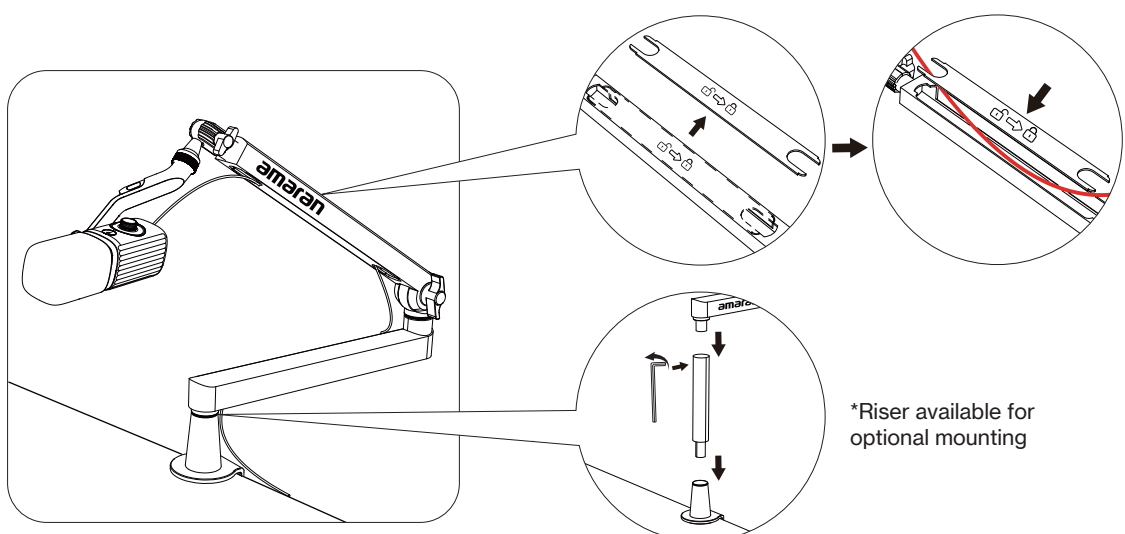
Environment Note: Do not install or use the stand long-term in humid areas such as open coastal spaces, kitchens and bathrooms, as these environments will accelerate metal corrosion.



Step 1. Adjust Mic Angle and Position: Loosen knob, adjust arm and lock

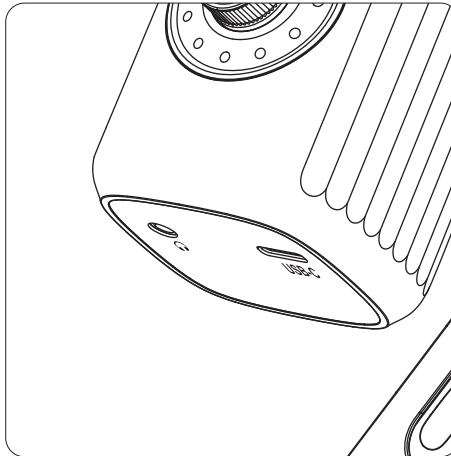


Step 2. Secure Bracket Connections: Fasten arm joints with the hex key



Step 3. Cable Organizer: Slide open the cover, route cable and lock

4.Ports



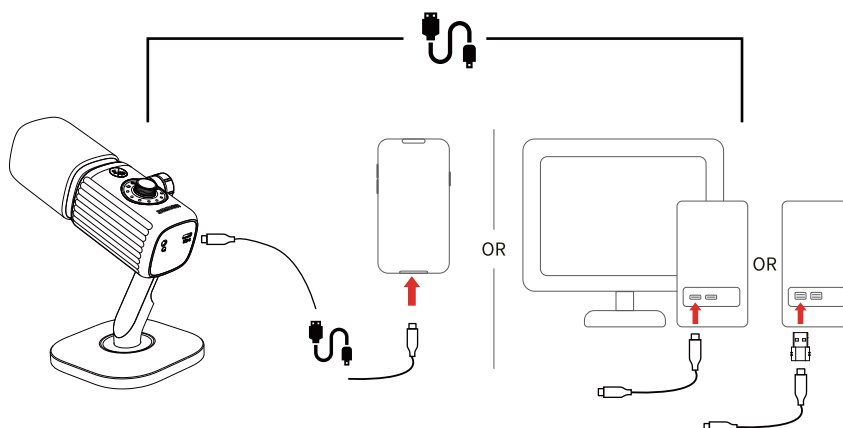
Port	Function
 USB-C USB-C Port	1.Charges the microphone. 2.Wired connection to devices for audio signal input to computers / smartphones.
 3.5mm Head- phone Jack	Connect headphones for microphone monitoring and computer audio playback.

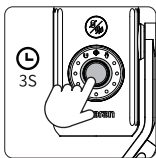
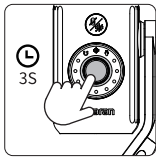
5.Connection Modes

The microphone supports both wired and wireless connections for your selection based on usage needs.

a.Wired Mode

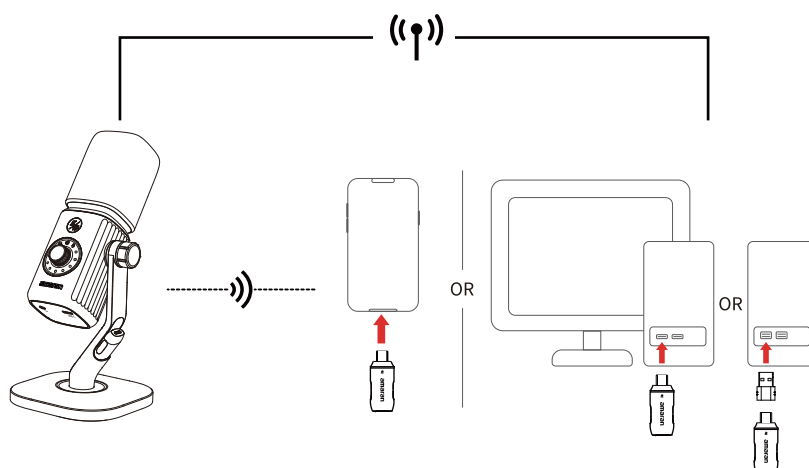
Connect the mic to a phone or computer via the included USB-C to USB-C cable. Press and hold the knob for 3 seconds to power on.



Function / Status	Operation Diagram	Operation / Status Description	Indicator
Standby		Connect the microphone to a device via the USB cable. The microphone will enter standby charging mode.	Battery indicator lights up sequentially in white according to current battery level: 1–10%: 1 LED on 11–20%: 2 LEDs (1st solid, 2nd slow flash) 21–30%: 3 LEDs (First 2 solid, 3rd slow flash) 81–90%: 9 LEDs (First 8 solid, 9th slow flash) 91–100%: 9 battery LEDs solid, noise reduction LED slow flashing white Fully charged: 9 battery LEDs off, noise reduction LED solid white
Power On		When microphone is in standby mode, press and hold the knob for 3 seconds to power on.	The microphone indicator light turns green or blue: Green: Microphone input volume status Blue: Monitoring headphone volume status
Power Off		While powered on, press and hold the knob for 3 seconds to power off and return to standby charging mode:	- If power remains connected: Charging status indicators stay active - If power is disconnected: All indicators turn off

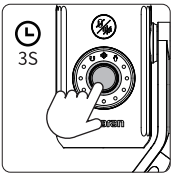
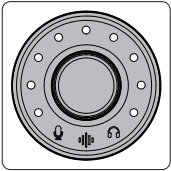
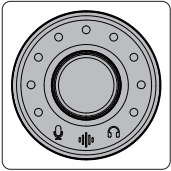
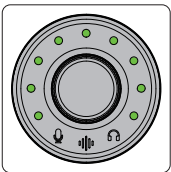
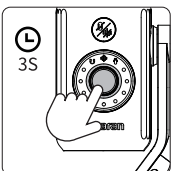
b. Wireless Mode

Plug the wireless receiver into your phone, computer or other devices. Press and hold the mic knob for 3 seconds to power on. The mic will automatically pair with the receiver for audio capture once connected.

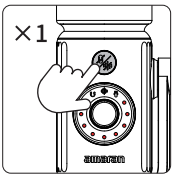
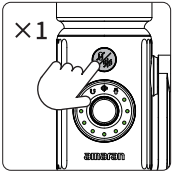
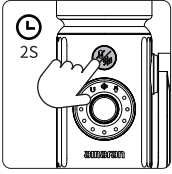
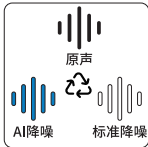
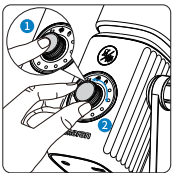
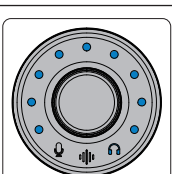
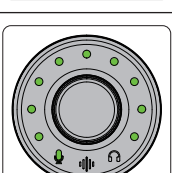
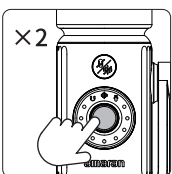


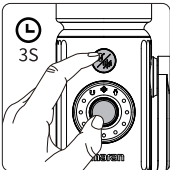
Note:

- When the USB C port is plugged into a power supply or device, the mic enters standby charging mode automatically. Manually power it on to activate.
- The microphone can be used while charging under both wired and wireless modes.
- Metal objects, electrical equipment, etc., may interfere with the microphone's wireless transmission. Please minimize obstacles between the receiver and the microphone.

Function / Status	Operation Diagram	Operation / Status Description	Indicator
Power On		Press and hold the knob for 3 seconds to power on.	All level indicators flash white slowly.
Waiting for Connection		After powering on, the mic automatically searches for devices and waits for wireless pairing.	All level indicators flash white slowly.
Auto Power Off		If the microphone fails to connect within two minutes, it will automatically power off (If connected to a power source, it will enter standby charging mode instead).	● If not connected to power: All lights turn off ● If connected to power: Indicator switches to charging status
Connected Successfully		Audio capture available upon successful device connection.	The microphone indicator turns green or blue: Green: Microphone volume indication Blue: Headphone monitoring volume indication
Manual Power Off		Press and hold the knob for 3 seconds to power off the microphone.(If connected to power, it enters standby charging mode instead)	● If not connected to power: All indicators turn off ● If connected to power: Indicator switches to charging status

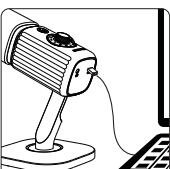
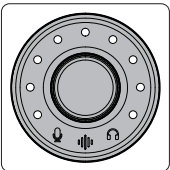
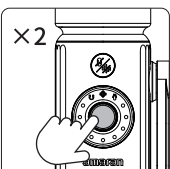
6. Functions

Function / Status	Operation Diagram	Operation / Status Description	Indicator
Mute		Single press	All level indicators turn solid red
Unmute		Single press	Indicators revert to green or blue (the state before muting)
Noise Reduction Mode Switch		Press and hold the button for 2 seconds	Noise Reduction Indicator Off: Original Sound Mode Solid White: Standard Noise Reduction Solid Blue: AI Noise Reduction 
Mic Volume/-Monitor Volume		Short-press the knob to switch volume control modes.	Rotate it to adjust mic recording or headphone monitor volume. When all indicator lights are off, the corresponding volume is 0%. When the indicator lights point to the middle position, the volume is 50%. When all level indicator lights are on, the volume is 100%.
		Blue light: Headphone monitor volume adjustment	
		Green light: Mic volume adjustment	
Check Battery Level Status		Double click the knob quickly	The Microphone Volume and Monitor Volume indicators turn off. The battery indicator lights up in white based on the current battery level, then restores to the original lighting status after 5 seconds. Lighting Indicators (Not Connected to Power): - 1-10%: 1 LED on - 11-20%: 2 LEDs on - 21-30%: 3 LEDs on ... - 81-90%: 9 LEDs on - 91-100%: 9 battery LEDs on, noise reduction LED on - Fully charged: 9 battery LEDs off, noise reduction LED solid white Lighting Indicators (Connected to Power): - 1-10%: 1 LED slow flash - 11-20%: 2 LEDs (1st solid, 2nd slow flash) - 21-30%: 3 LEDs (First 2 solid, 3rd slow flash) ... - 81-90%: 9 LEDs (First 8 solid, 9th slow flash) - 91-100%: 9 battery LEDs solid, noise reduction LED slow flashing white - Fully charged: 9 battery LEDs off, noise reduction LED solid white

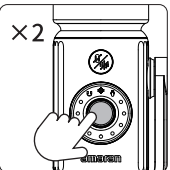
Function / Status	Operation Diagram	Operation / Status Description	Indicator
Re-Pairing to Receiver		Press and hold the button and knob at the same time for 3 seconds	Waiting to connect: All indicator lights slowly flash blue. Connection successful: Blue LEDs turn off and reverts to the default lighting status.

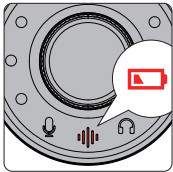
7. Charging & Battery Indicators

a. When the microphone is connected to power

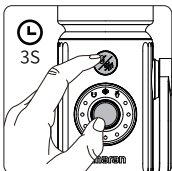
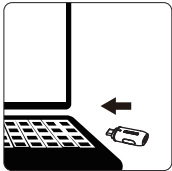
Function / Status	Operation Diagram	Operation / Status Description	Indicator
Charging	 	The microphone automatically charges when connected to a device or power source via USB-C. Charging indicators stay active while charging when powered off, and turn off once disconnected.	Charging: - 1-10%: 1 LED slow flash - 11-20%: 2 LEDs (1st solid, 2nd slow flash) - 21-30%: 3 LEDs (First 2 solid, 3rd slow flash) - ... - 81-90%: 9 LEDs (First 8 solid, 9th slow flash) - 91-100%: 9 battery LEDs solid, noise reduction LED slow flashing white
Check Battery Level Status		Double-tap the knob to view charging status when powered on; lights revert after 5 seconds.	Charging Complete: All 9 indicator lights turn off. Noise reduction indicator turns solid white.

b. When the microphone is not connected to power and powered on

Function / Status	Operation Diagram	Operation / Status Description	Indicator
Check Battery Level Status		Double-tap the knob to view charging status when powered on; lights revert after 5 seconds.	- 1-10%: 1 LED on - 11-20%: 2 LEDs on - 21-30%: 3 LEDs on - ... - 81-90%: 9 LEDs on - 91-100%: 9 LEDs and noise reduction LED on

Function / Status	Operation Diagram	Operation / Status Description	Indicator
Low Battery Auto-Reminder		Low Battery Auto-Reminder	Battery below 20%: Noise Reduction indicator light slowly flashes red for 5 seconds every 30 seconds. Battery below 10%: Noise Reduction indicator light flashes red rapidly for 5 seconds every 30 seconds. Alert turns off when connected to power or when powered off.

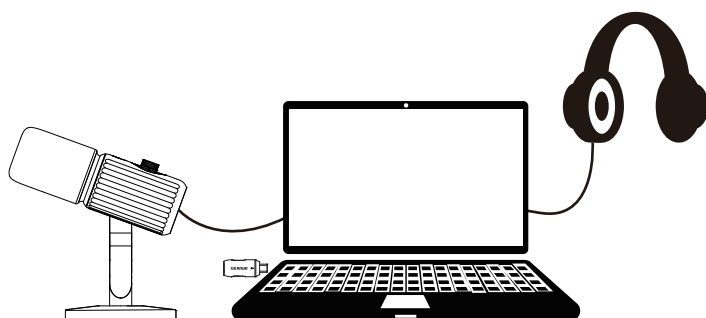
8. Re-Pairing the amaran Mic to the Receiver

Function / Status	Operation Diagram	Operation / Status Description	Indicator
Microphone enters pairing mode		Press and hold the button and knob simultaneously for 3 seconds	Entering pairing mode: All indicator lights slowly flash blue Pairing successful: Blue LEDs turn off and reverts to the default lighting status.
Receiver enters pairing mode		Connect the wireless receiver to a computer. Open the amaran Desktop app and click the pairing button.	Pairing completion is displayed via a pop-up in the amaran Desktop app.

Note: The amaran Mic is automatically paired to the receiver out of the box. Under normal use, manual re-pairing is not needed.

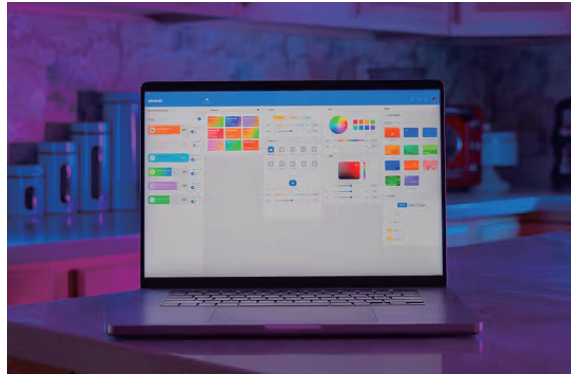
9. Monitoring

After the mic powers on and connects to a device, plug headphones into the 3.5mm port for real-time audio monitoring. Adjust monitor volume with the knob. Use PC software to balance mic input volume and device audio (PC/phone/game console).



amaran Desktop App

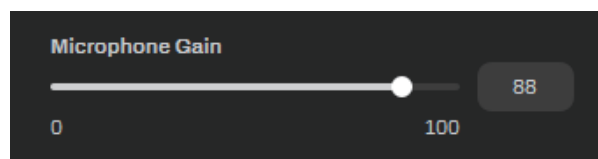
amaran Desktop APP is creator-focused desktop software built for the full amaran ecosystem. It supports function configuration for amaran lights, microphones and more, delivering streamlined device control and advanced audio tuning tools.



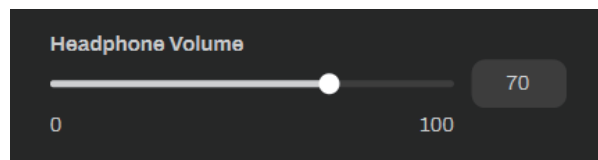
1. Basic Microphone Settings

a. Volume Adjustment

Microphone Volume



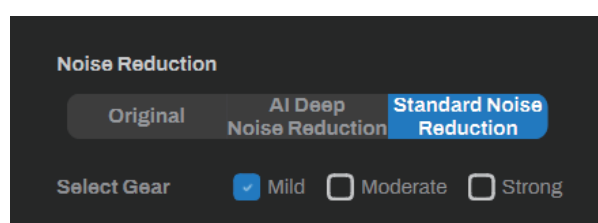
Headphone Volume



b. Noise Reduction Mode Switch

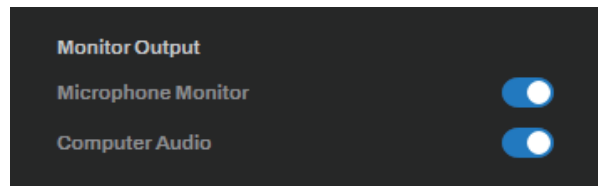
Switch between noise reduction modes for different suppression effects:

- Original Mode: Noise reduction off.
- Standard NR: Light suppression for steady background noise such as fans, computers and air conditioners.
- AI Deep NR: Powerful suppression to eliminate random and sudden noise for cleaner audio.



c. Monitor Output Toggle

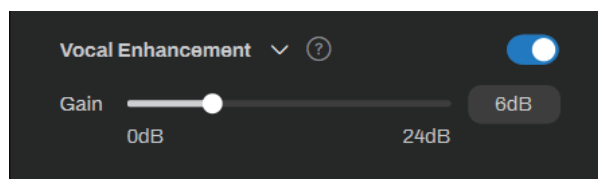
The monitoring jack outputs mic voice and device audio (PC/phone/game console). You may toggle playback of the two audio sources independently.



2. Advanced Microphone Settings

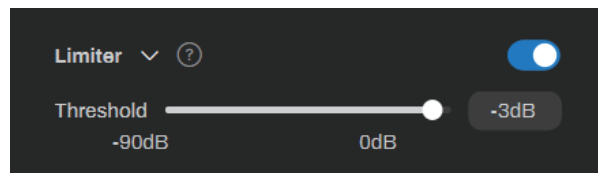
a. Vocal Enhancement

When enabled, it optimizes gain for vocal frequency bands to capture fuller, clearer voice.



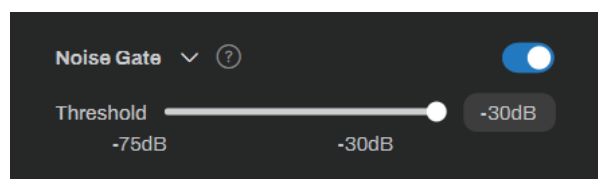
b. Limiter

It caps audio peaks at your set threshold to avoid clipping and distortion from sudden loud sounds, keeping recording stable.



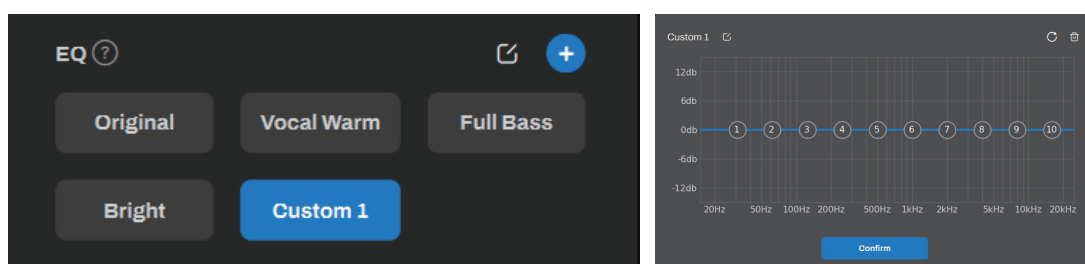
c. Noise Gate

It mutes background noise below your custom threshold during silent pauses to block ambient hum and stray interference.



d. Equalizer

Comes with multiple built-in EQ presets and customizable frequency tuning to shape tone for personalized recording needs.



e.Monitor Mix Ratio

Adjust volume balance between mic input and device audio (PC/phone/game console):

Slider far right: Mute mic, play only device audio.

Slider far left: Mute device audio, play only mic sound.

Drag slider to balance the two audio sources for different mixing scenarios.

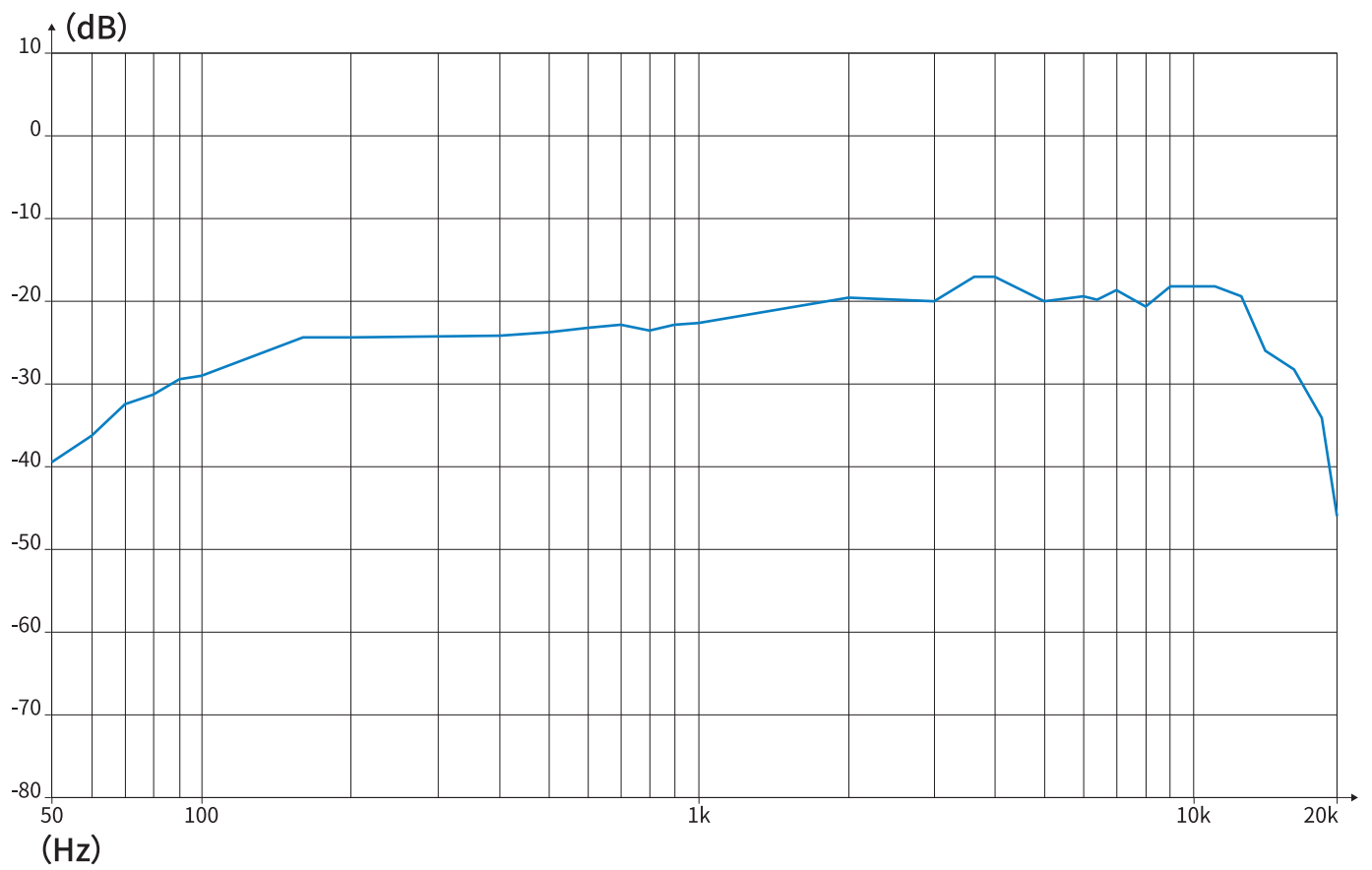


You can download the amaran Desktop app from the amaran official website to unlock more features of the microphone. For detailed instructions, please visit the official website:

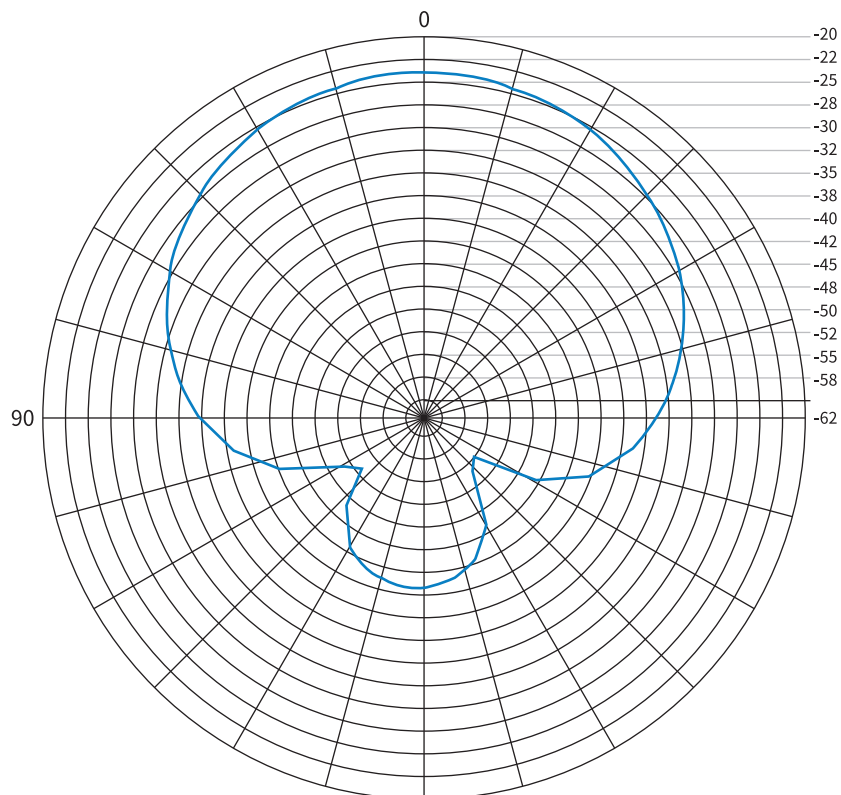


amarancreators.com

Frequency Response



Polar Pattern



Firmware Update

Connect the mic to PC via USB-C cable, then update firmware via Device Update in amaran Desktop.

Specifications

Name	amaran Wireless Desktop Microphone (abbreviation: Microphone / Mic Main Unit) amaran Mic Receiver (abbreviation: Receiver / Wireless Receiver)
Model	Microphone Main Unit: amaran Mic Wireless Receiver: amaran Mic RX
Dimensions	Mic main unit (without stand): 158 mm × 52.3 mm × 55 mm Mic main unit (with stand): 226 mm × 100 mm × 100 mm Wireless receiver: 43.5 mm × 17 mm × 10 mm Data cable: 2 m in length
Weight	Mic main unit (without stand): 338 g Wireless receiver: 4 g Complete mic set: 779 g
Capsule Type	Dynamic
Polar Pattern	Supercardioid
Battery	3000 mAh
Wireless Use Time	60h (Original Sound Mode) / 45h (AI Noise Reduction Mode)
Charging Interface	USB-C
Charging Specification	5V 2A
Full Charging Time	2.5 hours
Wireless Type	2.4 GHz
Wireless Range	≥50 m (unobstructed environment) / ≥10 m (with human bodies or obstructions)
Capsule Diameter	30mm
Frequency Response	40 Hz~16 kHz
Sample Rate	48 kHz
Bit Depth	24 bit
Max SPL	130 dB SPL (at minimum mic gain level)
Sensitivity	-8 dBFS/Pa (Max)
SNR	86 dB
THD	0.2 % (at 1 kHz)
Audio Output	Wired (USB C) Wireless (Receiver USB C)
Gain Range	0~49 dB
Noise Reduction	Standard Noise Reduction (3 levels: Strong / Moderate / Mild), AI Deep Noise Reduction
Monitoring Function	Supported
Monitoring Jack Specification	3.5 mm TRS
PC Software Control	Supported
Firmware Update	Via amaran Desktop APP
Operating Temp	-10 ~ 40 ℃
Charging Temp	0 ~ 40 ℃

Declaration of Toxic and Hazardous Substances in Electronic Information

Component	Toxic and Hazardous Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr VI)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
PCB	○	○	○	○	○	○
Plastic	○	○	○	○	○	○
Metal	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

This table is prepared in accordance with the provisions of SJ/T 11364.

O: Indicates that the content of the toxic and hazardous substance in all homogeneous materials of the component is below the limit specified by GB/T 26572.

X: Indicates that the content of the toxic and hazardous substance exceeds the limit specified by GB/T 26572 in at least one homogeneous material of the component.

The information in this table is provided to suppliers in the form of data and testing results that comply with RoHS environmental requirements.

This device complies with CAN ICES-003 (B)/NMB-003(B) and CAN RSS-216 / CNR-216.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

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

Cet appareil est conforme à la norme CAN ICES-003 (B)/NMB-003 (B) et CAN RSS-216 / CNR-216.

Cet appareil contient des émetteurs / récepteurs exempt (s) de licence qui sont conformes aux RSS exemptes de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes:

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux radiations de la IC définies pour un environnement non contrôlé.

FCC Compliance Statement

This product complies with the specifications in Part 15 of the FCC Rules. The following two conditions must be met during the operation of the product:

- (1) This equipment will not cause harmful interference;
- (2) This equipment can withstand any external interference, including interference that may cause unexpected operations.

WARNING

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

NOTICE

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 reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a different circuit than the receiver is connected to.
- Consult the dealer or an experienced radio/TV technician for help.

RF Warning Statement

This device has been evaluated to meet general RF exposure requirements. The end user must follow the specific instructions for use for RF exposure compliance.

Important Safety Instructions

When using the amaran Mic, basic safety precautions should always be followed, including the following:

- Read and understand all instructions before using.
- Keep this product manual. Always include this product manual when passing the product onto third parties.
- Heed all warnings and follow all instructions in this product manual.
- Do not place the product near corrosive chemicals in order to protect the product from corrosion, which may cause it to malfunction.
- Operate carefully - dropping or hitting the product may cause damage.
- Keep all liquids away from the product. Liquids entering the product can short-circuit the electronics or damage the mechanics.
- Store the product in a dry, clean, dust-free environment.
- Do not allow children to come into contact with this product to avoid accidents.
- Please have the product checked by an authorized service personnel agent if the product has a problem. Any malfunctions caused by unauthorized disassembly are not covered by the warranty. The user may pay for maintenance.
- We recommend only using the original amaran cable accessories. The charging head should use a 5V/2A charging head.
- Machine damage caused by improper use and operation is not covered by the warranty. The user may pay for maintenance.
- The instructions and information in this manual are based on thorough, controlled company testing procedures. This user guide is developed based on strict testing conducted by our company. Design and specifications are subject to change without prior notice.
- The illustrations in this manual are for reference only. Due to ongoing new product development, if there are any discrepancies between this product and the illustrations in the user manual, please refer to the product itself.

Disclaimer

Before using this product, please read the product manual to ensure correct use under the complete understanding. After reading, please keep the product manual properly for future reference. In case of not operating this product correctly, it may seriously harm yourself or others, or result in product damage and property loss. When using this product, it shall be deemed that you have understood, recognized and accepted all clauses and contents of this document. The user commits to be responsible for their own behaviors and all consequences thereof, amaran shall not be liable for any loss due to the user who does not use this product in accordance with the product manual.

Under the laws and regulations, our company holds the final explanation right of this document and all related documents of this product. No prior notice will be given for any update, revision or termination. Please visit the official amaran website for the latest product information.