JARO

CONDENSER MICROPHONE
Product Model:J100-CS

Scan the QR code to register your J100-CS microphone
Enjoying 1-year replacement coverage.

Or visit www.jarotechnology.com/pages/product-support?product=j100-cs

USER MANUAL

01 CONTROLS AND OUTPUT

① GAIN switch – Use this to control the microphone's input volume.

② MUTE button with LED indicator – Use this to mute or enable noise reduction. A short press of 1 second mutes the microphone and the LED indicator will light up red. A long press of 3 seconds activates noise reduction, and the LED indicator will turn blue.

③ 3.5mm monitor output - Connect to headphones or earphones for real-time monitoring. Please note that the monitor output will be automatically disabled in noise reduction mode to optimize DSP performance.

④ USB type-B output – Connect to computer or mobile as microphone audio input.

⑤ Included USB type-B cable – One 2-in-1 USB cable which allows connecting to either USB type-A or USB type-C device.

Red = Muted
(Short press for 1 second)

Blue = Noise reduction
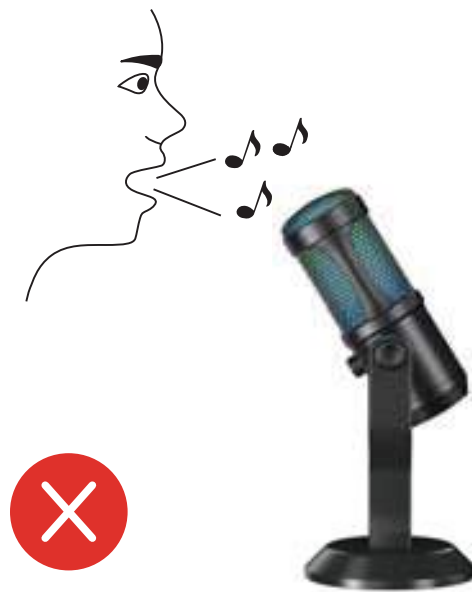(Long press for 3 seconds)

02 USER GUIDE

1. Adjust the direction of the microphone and pivot the microphone body so that it directly faces the sound source. This will optimize sound quality.

270°

2. Ensure that the top of the microphone is not directly pointing to the sound source.
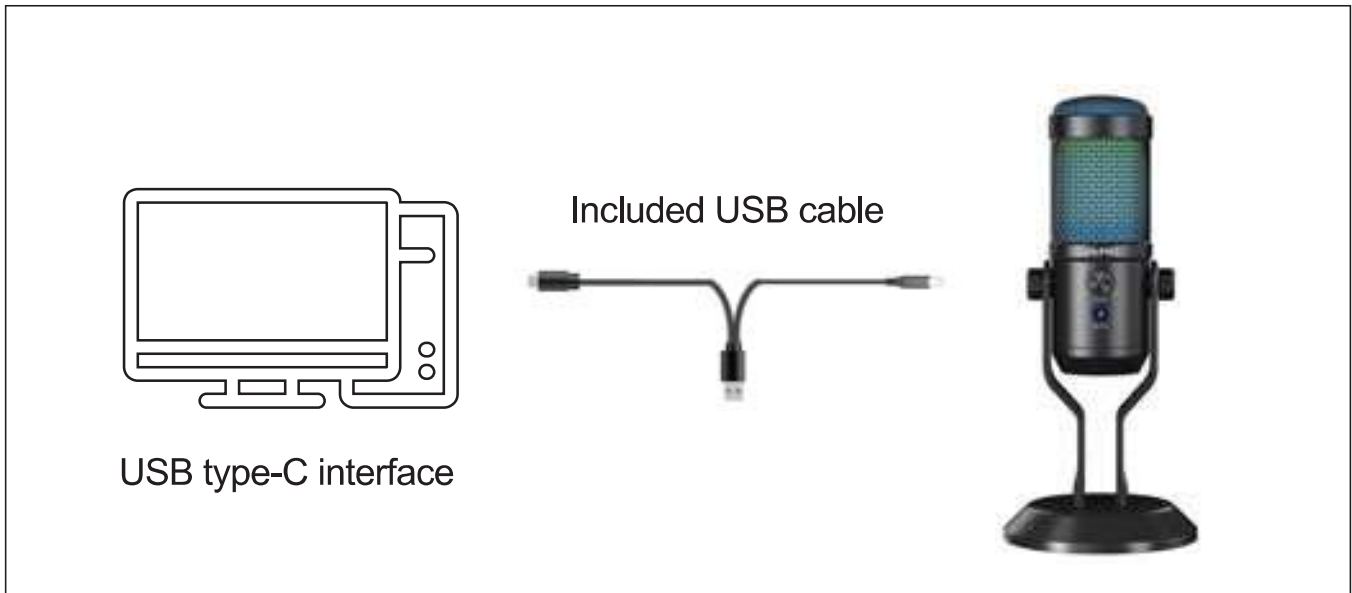
3. Keep a distance of 6 – 8 inches (15 – 20 cm) approximately between the sound source and the microphone for the best sound quality.

15-20 cm
(5.9-7.9 in.)
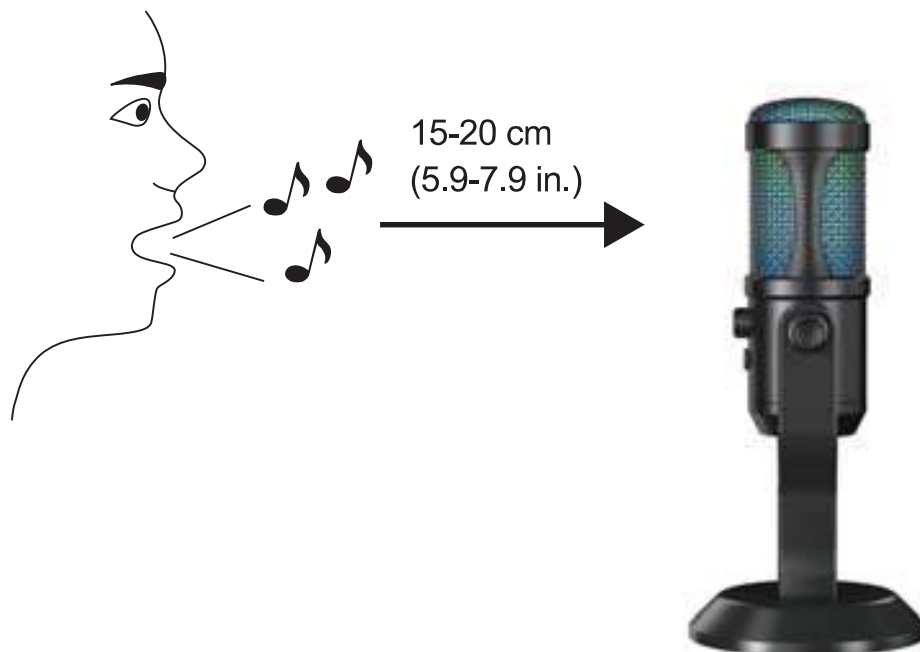
03 CONNECT TO COMPUTER

Compatible with the computers support USB type-A or USB type-C

Included USB cable

USB type-A interface

Included USB cable

USB type-C interface
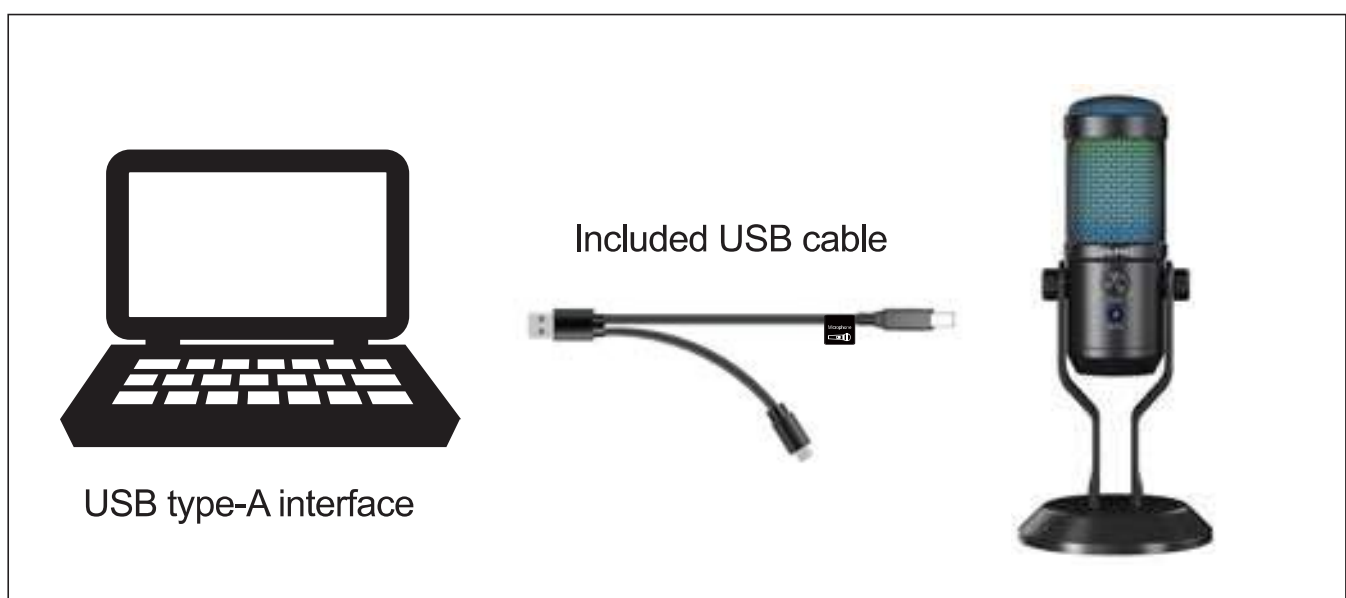
macOS

1. Connect the microphone to your Apple device using the included USB cable. The RGB LED on the microphone body will light up, indicating that it is powered on. The Windows device should automatically recognize the microphone and install the necessary drivers. Ensure that the microphone GAIN switch and the volume on the monitor headphones are not set to the zero position.
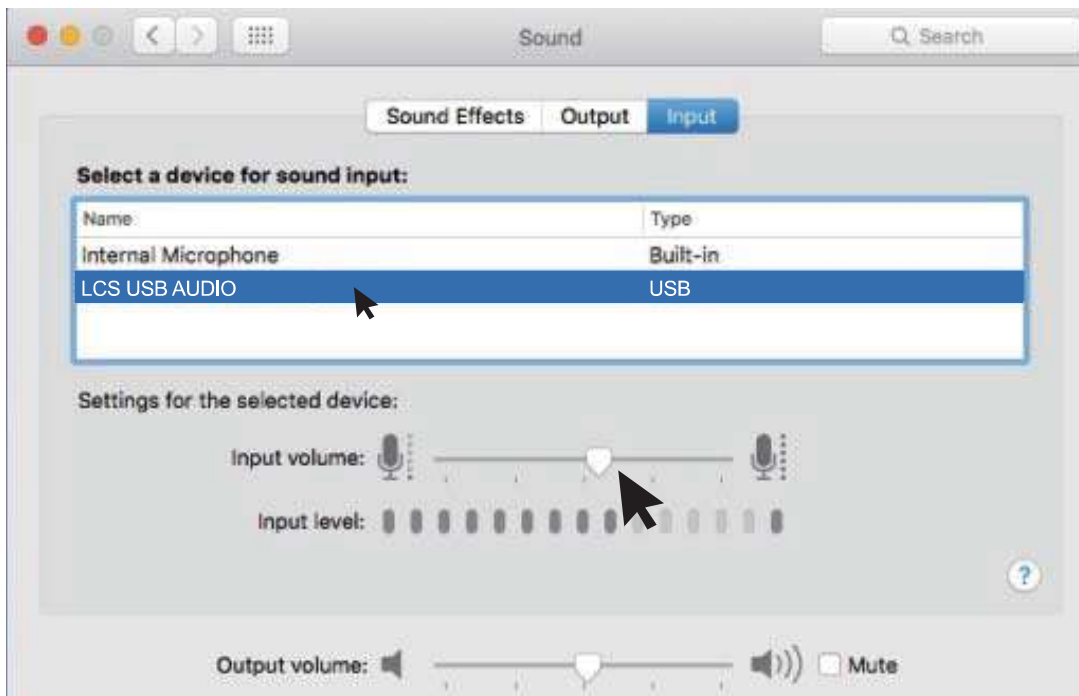
2. Click on "System Preferences" tab under the Apple menu for system preference setup.
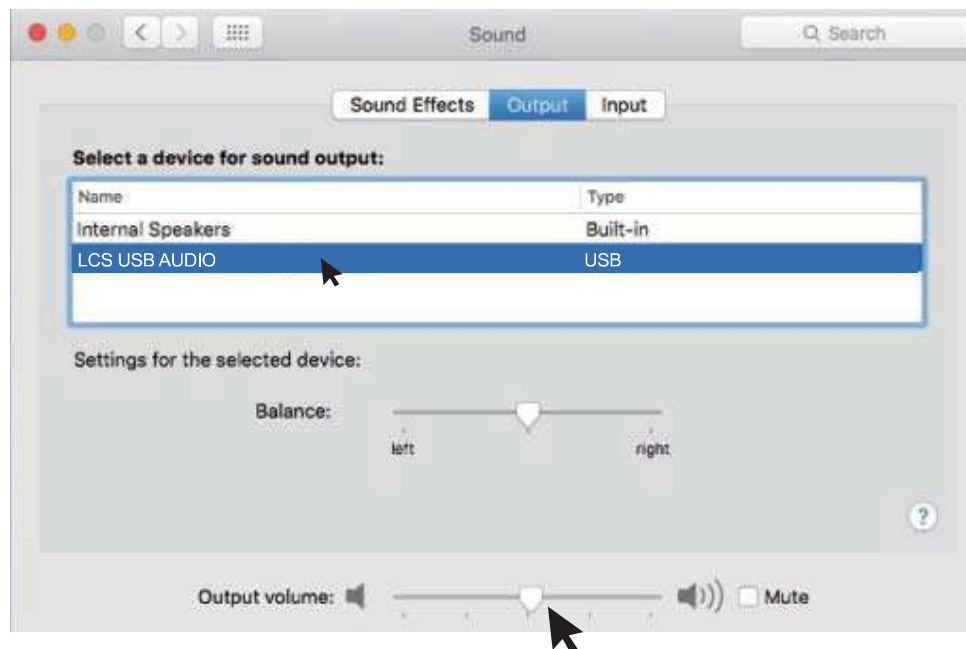
3. Click on "Sound" icon for microphone setup.

4. Click on "Input" tab in the Sound window and select "LCS USB AUDIO" as the sound input.

5. Click on "Output" tab in the Sound window and select "LCS USB AUDIO" as the sound output.
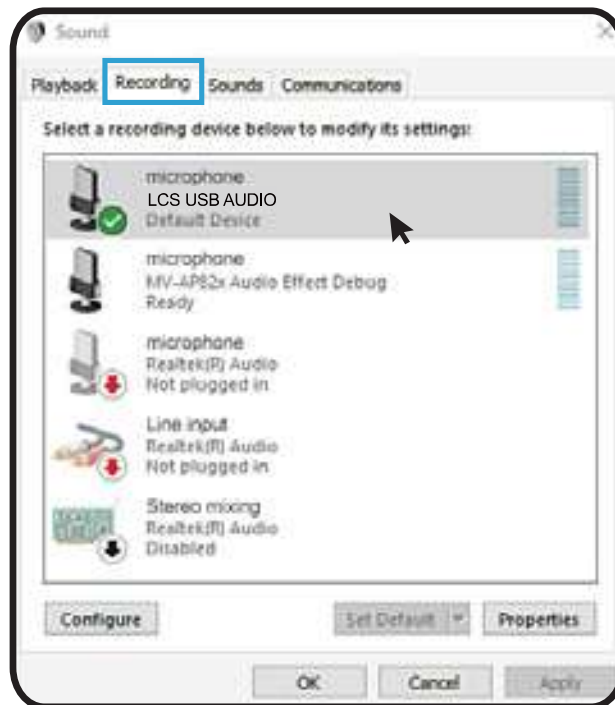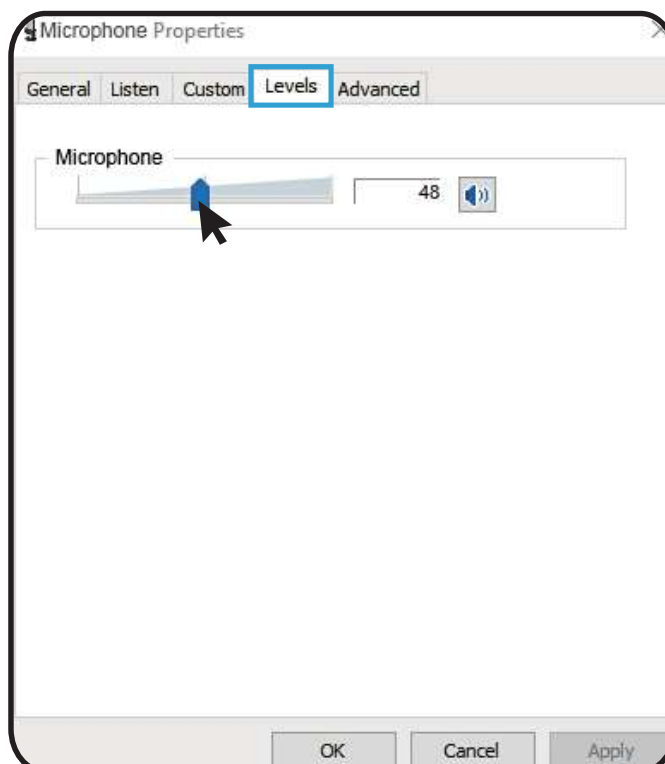

●Windows

1. Connect the microphone to your Windows device using the included USB cable. The RGB LED on the microphone body will light up, indicating that it is powered on. The Windows device should automatically recognize the microphone and install the necessary drivers. Ensure that the microphone GAIN switch and the volume on the monitor headphones are not set to the zero position.

2. Set the microphone as the device sound input

(a) Right click on the speaker icon in the system tray at the lower right corner of the screen. From the pop-up menu, click on "Open Sound settings" to access the sound setup options.
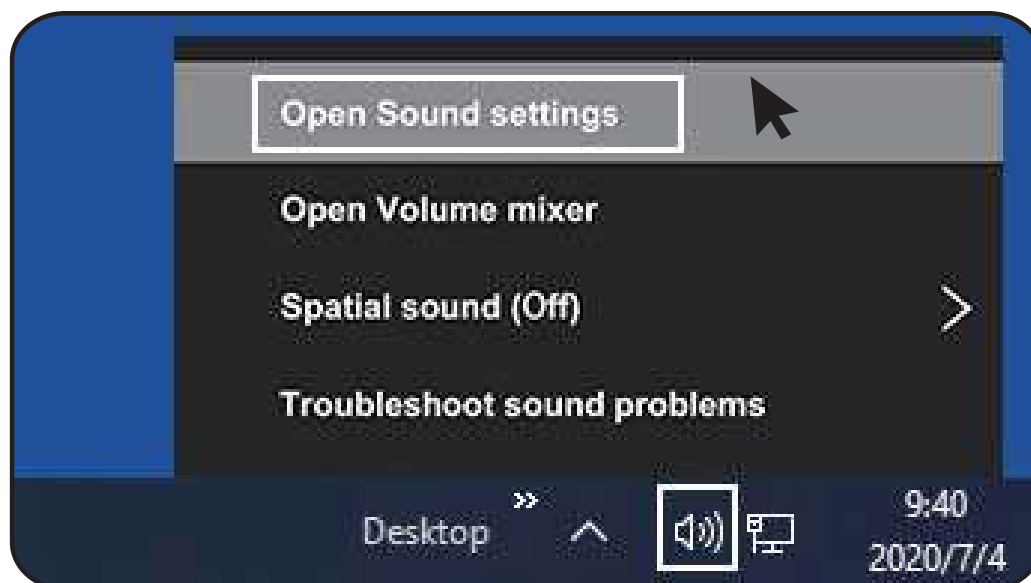
(b) Click on "Recording" tab and select "LCS USB AUDIO" as the default device. (If "LCS USB AUDIO" is not available from the list, try unplugging and plugging the microphone. Please contact the customer service if the issue persists.)
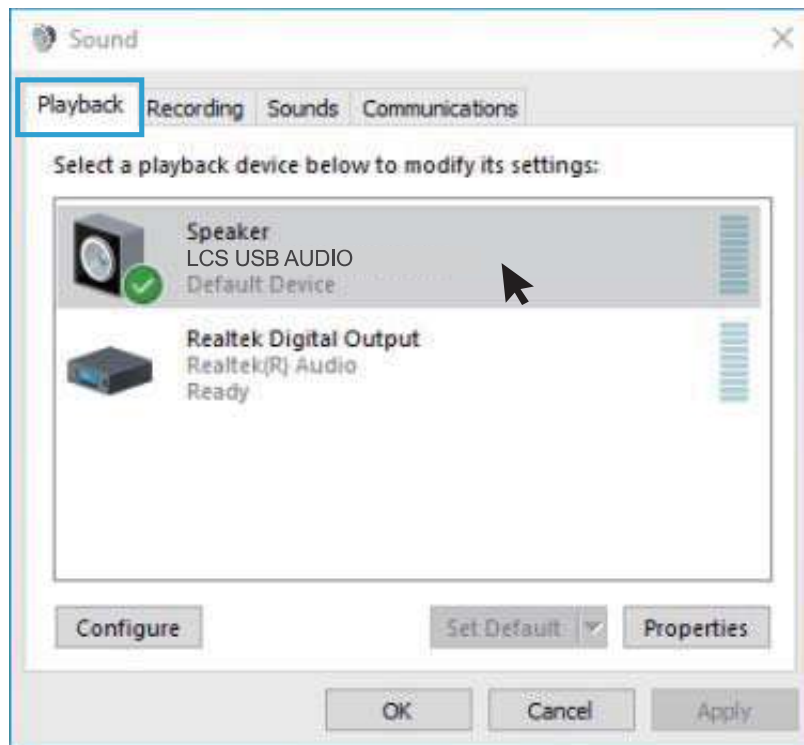

(c) Adjust the input volume – double click on the "LCS USB AUDIO" to open the "Microphone Properties" window. Click on "Levels" tab to adjust the volume.
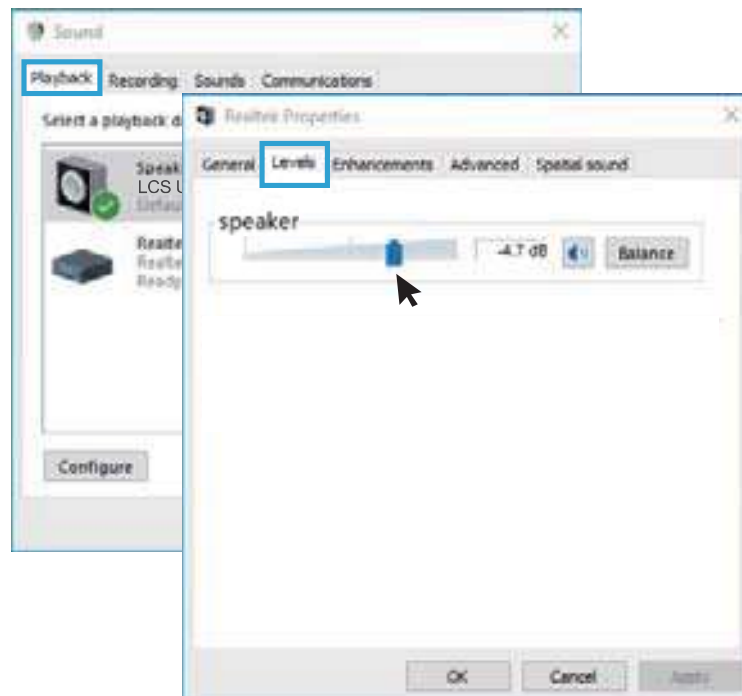
3. Set the microphone as the device sound output
(a) Connect the headphones to the 3.5mm monitor output jack on the microphone.
(b) Select "Playback" tab from the "Sound" window and set "LCS USB AUDIO" as the default device.

(c)Adjust the output volume – double click on "LCS USB AUDIO" to open the "Speaker Properties" window. Click on "Levels" tab to adjust the speaker volume as needed.

Troubleshooting (macOS and Windows)
1. If the computer doesn't recognize the USB device after you've plugged in the microphone, please try using other USB ports on the computer. If the problem continues, reboot the computer and try again.
2. If the computer recognizes the USB microphone but there is no sound, please first confirm that the microphone is on by checking if its RGB LED lighting is up. Then, check the computer's sound system settings to ensure that neither the microphone input nor output is muted. Also, make sure that the GAIN switch on the microphone and the physical volume control on the monitor headphones are not set to the minimum position.

04 CONNECT TO MOBILE PHONE

TYPE-C Cable

Connect to mobile phone
(TYPE-C interface)
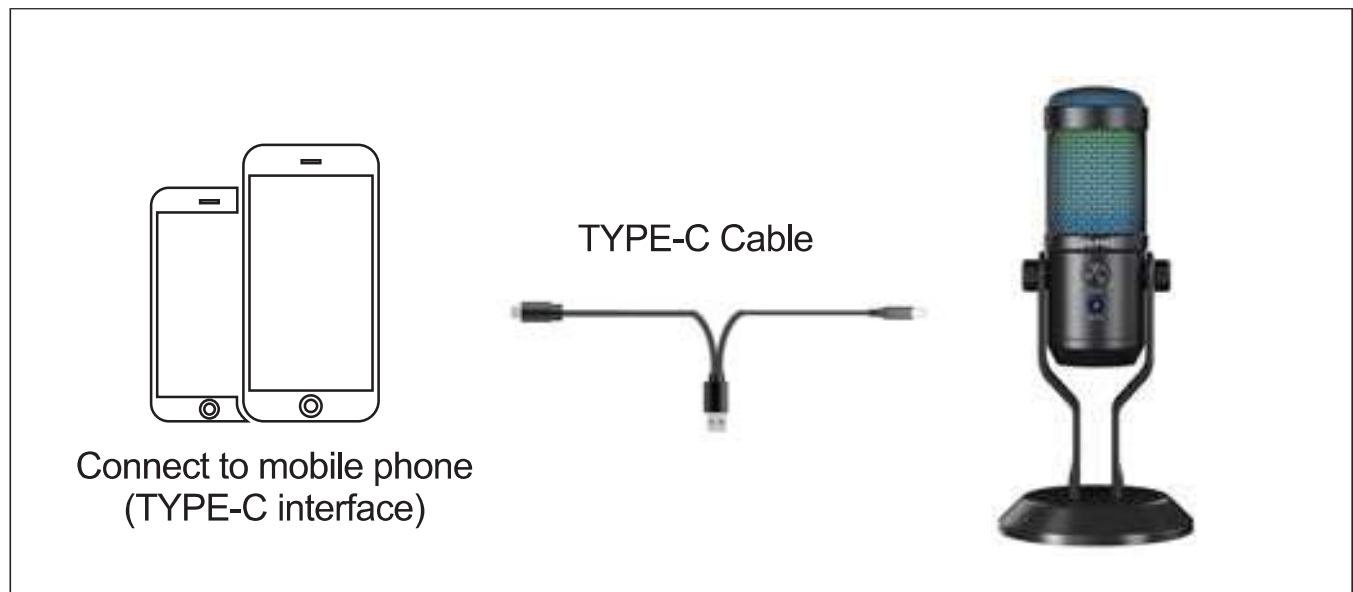
1. Connect the microphone to your mobile device using the included USB cable. If you're connecting to an iPhone, you will need a third-party USB Type-C to Lightning adapter. Once connected, the RGB LED on the microphone body will light up, indicating that it is powered on.
2. Connect the headphones to the 3.5mm monitor output jack on the microphone.
3. Plug and play, no settings required. Note that OTG may be needed on some models.
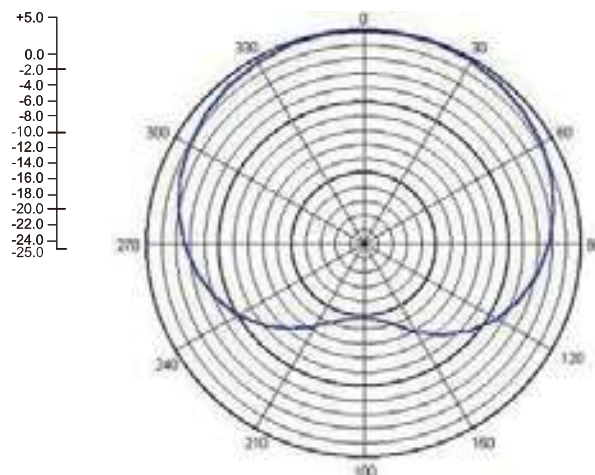
05 FREQUENCY RESPONSE

PRODUCT DATA	
Sensitivity	- 36±3dB(1.5V,680KΩ;0dB=1V/Pa,1KHz)
Output impedance	Low impedance (<680Ω)
Directivity	Cardioid
Frequency Range	80Hz-20000Hz
Maximum input sound pressure level	125dB
Signal-to-noise ratio	>70dB
Input sampling rate	192KHz/24bit
Output sampling rate	48KHz/24bit

● **Typical Frequency Response Curve**
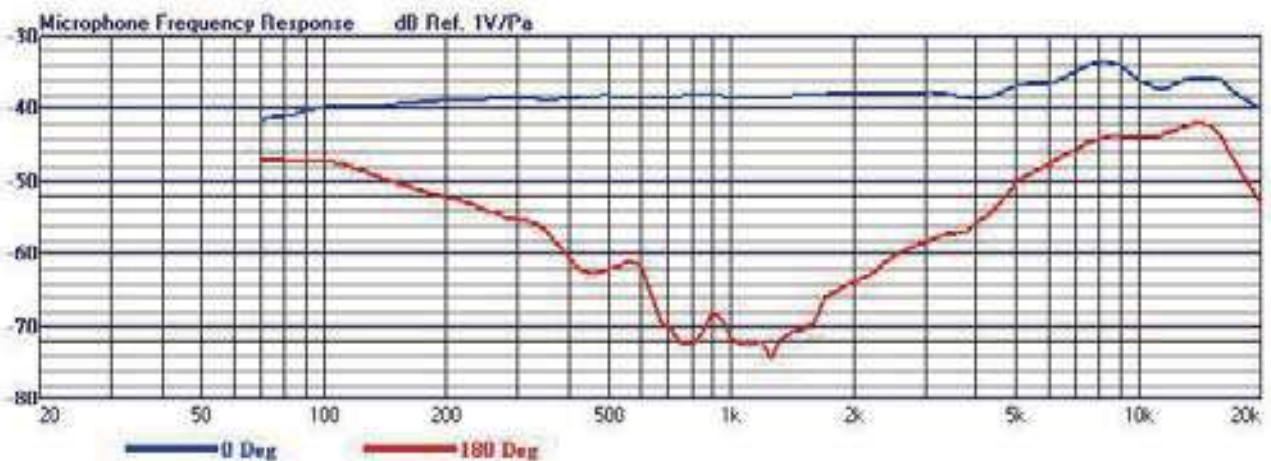
● **Polar Response**

06 IMPORTANT NOTICE

Correctly adjusting your microphone level is crucial for optimal performance. Ideally, set the microphone level as high as possible without overloading your computer's input. If you experience distortion or if your recording software indicates consistently overloaded levels (at peak levels), reduce the microphone gain (or level). You can do this either through your control panel (or system preferences) settings or directly in your recording software. Conversely, if the recording software shows that the level is too low, you can increase the microphone gain either from the control panel (or system preferences) settings or within your recording software.

Positioning your microphone correctly is crucial for capturing the best sound quality. The microphone should be placed directly in line (on axis) with the person speaking, singing, or the instrument (or other sound source) to achieve the best frequency response. For applications involving speaking or singing, ideally, place the microphone directly in front of the person. This placement is also optimal for miking instruments such as an acoustic guitar, drums, or piano. Experiment with different microphone placements to find the best sound for your specific setup. Adjusting the position slightly can often yield significantly different audio characteristics, helping you capture the desired tone or clarity.

If you plug in a microphone to your computer while it was playing some audios, it mutes your computer. That's because of the computer automatically setting the microphone as the playback device. You need to manually reset the playback device to speaker to ensure the audio continuing to play through the speakers.

07 CUSTOMER SERVICE

Thank you for choosing our products. If you encounter any issues or have any questions, please do not hesitate to contact us at support@jarotechnology.com. We are here to help and will respond to your inquiry as soon as possible.
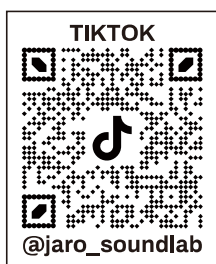
JARO

JAROTECHNOLOGY
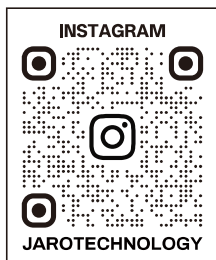
Follow us on Instagram and be the first to access giveaways, announcements, and special offers.

Or visit: https://www.instagram.com/jarotechnology

YOUTUBE

@JARO_SoundLab

Visit our YouTube channel to learn how to get the best sound—watch our in-depth product guides and microphone explainers.

Or visit: https://www.youtube.com/@JARO_SoundLab

TIKTOK

@jaro_soundlab

Join us on TikTok to see our mics in action—unboxings sound hacks, and honest creator tests.

Or visit: https://www.tiktok.com/@jaro_soundlab