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What's in the Box?



Microphone



Pivot Mount



Mic Stand



Desk Stand



Windscreen Cap



6.5ft USB Cable

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Installing the Microphone



1. Insert the mic stand into the desk stand, ensuring the nut is facing up, and turn clockwise to tighten.



2. Slightly loosen the nut on top of the mic stand tube and place the pivot mount and microphone onto the nut. Turn clockwise to secure.



3. Turn the thumbscrew on the pivot mount counterclockwise to loosen and adjust the angle. Turn the thumbscrew clockwise to tighten.



4. If adjusting the microphone, make sure to turn it counterclockwise. Adjusting the mic in the other direction may damage the bracket.

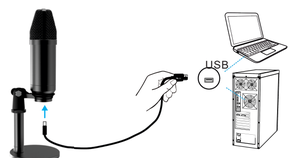


5. To adjust the microphone 360°, turn the microphone clockwise or counterclockwise horizontally.



6. Plug the provided USB cable into the USB port on the bottom of the microphone.

7. Connect the other end of the USB cable into a USB port on your computer.



Note: Position the microphone directly in line with the sound source and speak directly into the microphone diaphragm (the side with the logo on it) to achieve the best sound quality.



Specifications

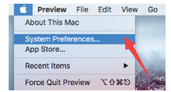
Power Supply	USB (5V)
Polar Pattern	Uni-directional
Frequency Response	20Hz - 20KHz
Sensitivity	-43dB±3dB (at 1KHz)
Max SPL	110dB (at 1KHz±1% T.H.D)
S/N Ratio	78dB
Electrical Current	25mA±5mA
USB Cable Length	6.5ft

Computer Setup

Apple Mac OS

1. Plug the provided USB cable into the microphone, plug the other end into a USB port on your computer. The computer will automatically recognize the device and install the driver.

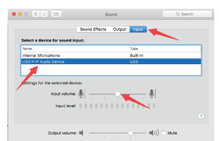
2. To select the device as your audio input, open **System Preferences**.



3. Click **Sound** to display the sound preference panel.



4. Click the Input tab to verify that the microphone is selected as the default input device. Use the volume slider to adjust the volume if needed.

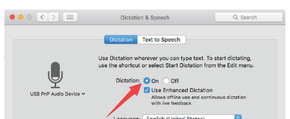


5. To adjust the output volume, click on the Output tab, and ensure the "Internal Speakers" option is selected. Use the Output Volume slider to adjust the volume if needed.



Notice:
To record, you must open a recording software of your choice first, such as Audacity, and make sure to click Software Playthrough(on) to ensure that sound is coming through correctly from the microphone.

Choose the default "Dictation & Speech" software if using speech to text. Click "On" under the Dictation window to allow the microphone to show in the software.



If your computer only has a USB-C power, you will need a USB-C to USB female adapter to connect the microphone to the computer. Be sure to plug the USB adapter into your computer first before inserting the microphone.

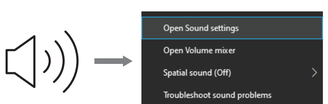


Windows

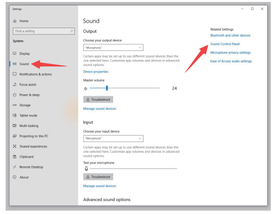
Plug the provided USB cable into the microphone, plug the other end into a USB port on your computer. The computer will automatically recognize the device and install the driver.

Please wait a few seconds and allow the driver to install. Please note, there may not be a pop-up window or message displayed while the driver is installing. After the driver has installed, you can test the microphone by speaking into it. If there is no sound, please follow the procedures below.

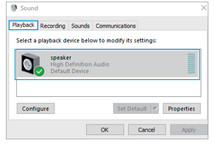
1. Right-click on the speaker icon at the bottom right of the screen and click "**Open Sound Settings.**"



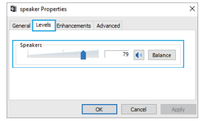
2. Choose **Sound Control Panel**.



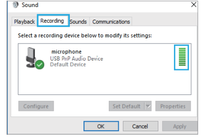
3. Confirm the speaker option is enabled.



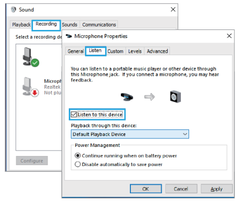
To adjust the speaker volume, click on **Properties** and click on the **Levels** tab. Use the volume slider to adjust the speaker volume output levels.



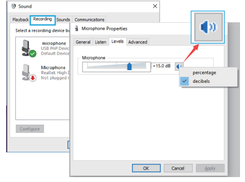
4. Exit the speaker tab and select the Recording tab. Select the USB microphone as the default option and speak into the microphone. If the levels are not registering, please restart your computer and plug the device back into the USB port.



If you would like to listen to the output level, click on Properties and select the Listen tab. Click on Listen to this Device and click Apply. The audio from the microphone will be heard in the external speakers or, if headphones are connected, through the headphones.
Note: If you are using chat software, such as Skype, please make sure "Listen to Device" is disabled.



5. To adjust the microphone levels, click on the Levels tab, right-click on the speaker icon, and select decibels. For optimal use, have the decibel ranges between +14.0 to +20.0dB. Click the OK button.



Troubleshooting & Tips

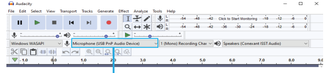
1. If the computer does not identify the USB microphone, please restart the computer and replug the microphone back into the USB port.

2. If the microphone is recognized yet no sound is coming out, please check if the computer's sound is mute or if the volume is too low.

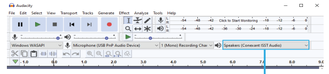
3. If the microphone is running on Windows 10 and is not recognized, please go to **settings>privacy>microphone** and click the **Allow apps** option to turn the microphone to **ON** and then restart the computer.

Recording Software Settings

1. In this section, we will be using Audacity and Skype however the same concept can be used with your favorite recording software. Please make sure the correct input/output options are selected in the software.

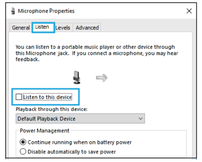


Input: USB Microphone



Output: Choose your output device if needed

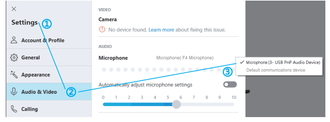
2. If the microphone is echoing, please make sure to disable **"Listen to this device"** in the microphone properties menu when using recording software.



3. Click the record button to begin recording audio.



If using Skype, please use the following image as a reference for adjusting your microphone settings.



Important Notice

• Setting software levels
Correcting microphone levels are a crucial step in optimizing performance. Ideally, the microphone level should be as high as possible without overloading the input of your computer. If you hear distortion, or if the recording software shows levels that are consistently at peak levels, turn the microphone volume down either through the control panel on your computer or through the recording software. If the recording software shows insufficient levels, you can increase the gain through the control panel or using the recording software.

• Selecting Software
The microphone is compatible with your favorite recording software as long as your computer supports a USB connection. Many programs, such as Audacity, are widely used and available free for download.
Note: The driver for the microphone must be installed first before accessing recording software.

• Positioning the Microphone
Position the microphone directly in line with the sound source and speak directly into the microphone diaphragm (the side with the logo on it) to achieve the best sound quality.

• Protecting the Microphone
Avoid leaving the microphone in the open air or in areas where temperatures exceed 110°F (43°C) for extended lengths of time or where high humidity is present.

AMCREST

CARDIOID MICROPHONE

WITH ADJUSTABLE HEAVY METAL STAND

USER MANUAL

MODEL: **AM430**

