Audio Array AM-C39 USB Condenser Microphone Instruction Manual

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CAUTION

When using with other equipment, keep the following in mind:

1. **Notebook:** When using a notebook, a 3.5mm one-in-two audio converter cable is required; you must know which one is for microphone and which one is for headset. When you connect the cable and the notebook, the

previous equipment will stop working. The sound input and output must function through a one-to-two audio conversion connection. Simply plugging in your microphone without a headset will not work.

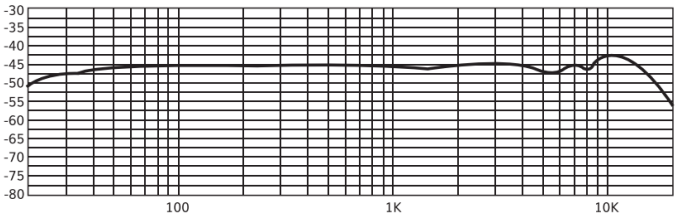
2. Phone/iPad: As with the notebook, phones have a set socket. Android and IOS are the most prevalent operating systems in the market today; you can monitor your own voice when using IOS devices, but not when using Android smartphones. Be careful that some equipment may require phantom power and a phone soundcard driver to function.
3. Audio mixer: When using this microphone with an audio mixer, first turn on the +48V phantom power, then connect the male and female XLR audio cables to the Audio Interface and microphone output respectively.
4. Amplifier:48V Phantom power is needed to use this microphone.
5. Soundcard driver: Use according to the soundcard manual.

If There Is Any Static Noise or No Sound At all, The Following Solutions May Help:

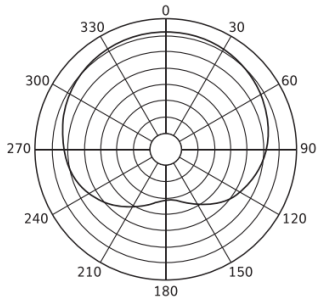
1. **No sound through microphone**
    - Check if you have connected the equipment correctly. If your connection is loose on the computer's mainboard or an incorrect mount, and then follow the 5 steps in the previous trouble shooting guide.
    - If your microphone produces sound but also generates unwanted noise:
    - Ensure that the sound volume on your microphone is set between 80% to 90%, as this range is generally suitable.
    - If you are using a sound card driver, check whether the microphone is in an enhancing mode; if so, disable it. Some sound card drivers do not support this feature.
    - If you are using the computer's built-in sound card driver and experiencing noise issues, consider switching to a different sound card, as low-quality sound cards can cause noise problems.
2. **If you encounter sizzling noise:**
    1. Check your surroundings for any sound wave interference and remove any obvious sources such as phones or fans to avoid interference.
    2. Verify that all audio outputs are securely connected, as loose connections can cause sizzling noise.
3. **If you hear a high-frequency sharp whistle:**
    1. If you are using sound speakers, consider using earphones instead to eliminate the whistle.
    2. If you must use sound speakers, ensure not to point the microphone directly at the speaker, lower the microphone volume, and maximize the distance between the microphone and the speaker to reduce the whistle
4. **If you suspect problems with your sound card driver or microphone:**
   Solution: Try recording a short track to identify and diagnose any issues with your recording setup.
5. **If you suspect a leakage (earthing) issue with your computer's mainboard:**
   Solution: With a cord, touch the metal part of the cord outside the computer's mainboard (not on the main circuit) and the other side on the ground. This may help to identify any leakage problems but be cautious and ensure safety for yourself and your computer.

Contents

SPECIFICATION



Frequency Respong Graph



Uni-directional
(at 1kHz)

Polar Pattern	Uni-directional
Frequency Response	20Hz-20kHz
Sensitivity	-28dB±3dB(0dB=1V/Pa at 1kHz)
Output Impedance	150Ω±30%(AT 1KHz)
Load impedance	≥1000Ω
EquivalentNoiselevel	16dBA
Max.SPL	130dB(at 1kHz≤1% T.H.D)
S/N Ratio	78dB
Electrical current	3mA
Body Dimension	φ46*165mm
Use of voltage	USB / computer 5V / 48V phantom power

1. Turn on your amplifier or mixer and set the volume control to the lowest setting. Switch on the phantom power to the microphone, then adjust the volume control from low to high to achieve the desired output.
2. If the microphone’s head is covered with hand or brought close to the speaker, a howling sound (feedback) may be produced; to avoid this, first reduce the level, then position the microphone so that it is not directed towards the speaker and that there is a sufficient distance between the microphone and speaker.

3. The cartridge is sensitive. It should not be dropped, hit, or subjected to a violent shock.
4. Avoid exposing it to dampness and severe temperatures to maintain the sensitivity and quality of sound reproduction.

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Documents / Resources

	Audio Array AM-C39 USB Condenser Microphone [pdf] Instruction Manual AM-C39 USB Condenser Microphone, AM-C39, USB Condenser Microphone, Condenser Microphone, Microphone

References

- User Manual