

What to do when karaoke microphone is howling?

During the use process, surely you will inevitably at times karaoke microphone howling very uncomfortable. So what causes that phenomenon? And how to handle them? Read this article to get an answer.

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I. Causes and ways to overcome karaoke microphone howling

1. The cause of the howling of a microphone

Here are some reasons why microphones are howling while using:

a. Microphone position facing straight and near speaker

Leaving the microphone straight and placing it close to the position of the speaker is also a cause of the microphone being howled. When you sing, the microphone records and emits a loudspeaker, unintentionally the sound coming from the speaker is recorded by the microphone and amplified exponentially. So creating so many cycles, causing the microphone to be howled.

b. Sound resonance appears

The resonance frequency is also related to how the microphone is howled. Every object, room area, design in the room also has the ability to echo the sound when the speaker emits, causing the microphone to collect a lot of noise, leading to a howling sound.

To visualize this cause you can think of how you apply a snail (small and small in size) to your ears and hear howls.



c. Micro is missing capacity

Micro capacity is not enough to meet the needs of users also causes the microphone to be howled. In other words, the audio signal is not in the **Headroom** reserve and reaches the Clip level, causing the sound to be distorted and howling.

Note:

Headroom: As a term in sound system installation, it means that the distance between the normal signal and the maximum signal in the audio system.

If the signal runs out of **Headroom** and reaches the maximum signal level, it is called a Clip, which causes the microphone to be howled because the sound is distorted.

d. Amply lack of capacity

In particular, amplifiers and amplifiers in general, without power, will make the speakers work with insufficient volume and also generate howls.

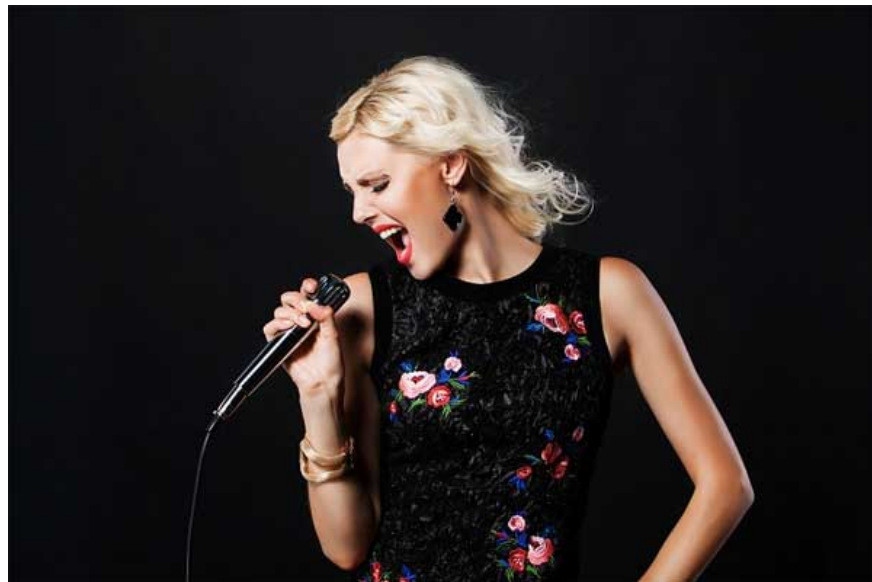


e. Micro vents are blocked

When the microphone is howled, you should not ignore the possibility that the vent is being sealed, so the resonant sound occurs inside the microphone body.

f. Operation to hold the microphone is not correct

The howling microphone can be caused by the person accidentally letting his hand cover the antenna of the wireless microphone. Not only that, but placing a microphone close to the mouth also causes a howl.



g. Amply tuning is not correct

This is also the reason why microphones are howled. If the amplifier is not properly tuned, the microphone will appear howling. In addition, in some karaoke amplifier does not support the elimination of howling, so the situation of howling microphones appears.

2. Remedies

For each of the above reasons, **Quantrimang** will give you the most effective way to overcome:

Cause Remedy The microphone position is straight and close to the speaker

1. Move the microphone away from it and face it directly.
2. Also, pay attention to how to arrange the speaker position in the room.

If due to the room space, you need to buy insulated soundproof foam to paste on the wall, or the corner of the wall.

Micro vents are blocked

1. Check the microphone vent hole, or you can take it to the store to ask the repairman to inspect the device.
2. Priority to buy good microphones with clear origin.

For example: Wired microphones should buy good wires with an outer layer of metal wire to protect the signal transmitted from the microphone to the amplifier.

Operation to hold the microphone is not correct

1. Pay attention to how to hold the microphone, avoid using the microphone to cover the antenna's signal.
2. Keep mouth and microphone distance reasonable, so that no howls will appear.

Micro is missing capacity

1. Increase the power of amplifier board.
2. Adjust the sensitivity of the microphone so that it catches its own sound when emitting a loudspeaker so that no howls will appear.

Amplifier tuning is not correct

1. Adjust amplifier accordingly.
2. Can choose to buy amplifier types that support howling.

Amplifier lack of capacity

1. It is necessary to pay attention to the technical parameters of speakers and power amplifier (called power amplifier) such as capacity, sensitivity, impedance to make the sound system to avoid howling, hissing.

In addition, additional support devices can be used to amplify audio signals such as phase regulators, frequency shifters, etc.

II. Top best karaoke microphone today

1. Micro karaoke with bluetooth speaker Magic Sing MP-30 - Reference price: VND 1,500,000

Karaoke microphone Magic Sing MP-30 uses Li-ion battery with 2,200 mAh battery capacity, for a long time of use for 5 hours continuously. The Micro bluetooth Magic Series Sing MP-30 is a brand from Korea, censored and certified by the FCC of the United States, ensuring safety and durability, giving you the opportunity to listen to music or sing karaoke anytime.

Micro bluetooth Magic Sing MP-30 with the most standard broadcast capability, thoroughly censored on the production line. The handheld microphone has a strong, sturdy design with glossy black color. Luxurious alloy material and exterior are coated with a safe insulating layer to help you feel secure during use. Bright yellow metal border, embellishing modern beauty and becoming more attractive every time you hold a mic.

Specifications:

1. Warranty: 6 months
2. Made in China
3. Brand: Korea
4. Sensitivity:> 115dB

2. Micro Guinness BG-68G / S - Reference price: 650,000 VND

Micro Guinness BG-68G / S minimizes the disturbing sound phenomenon with high sensitivity that will reproduce the exact sound that is least sounding. Micro has just helped you complete karaoke entertainment at home and can be used for formal workshops.

With a rugged design, you can be assured of the durability of the mic. Guinness BG-68G cordless microphone is designed with the On / Off control button positioned in the middle of the mic body with good grip, just push up and down, very convenient and easy to control. The set of high quality alloy case, combining exquisite and luxurious gold and color tones will make music lovers happy.



Specifications:

1. Warranty: 6 months
2. Brand: Korea
3. Made in China
4. Scanning frequency: 100Hz - 18KHz

3. Wired microphone Acnos SM606 - Reference price: 150,000 vn?

Acnos SM606 is a cheap karaoke microphone, giving very good sound quality. Wired microphone Acnos SM606 has 5m power cord length to help you move freely without too much space limitation.

The outer case is made of high quality plastic, the microphone diameter is 6mm. Karaoke microphone Acnos SM606 has a traditional style with luxurious black color. Micro Acnos has the ability to accurately capture the voice, the sound emits a deep, clear sound.



Specifications:

1. Warranty: 6 months
2. Brand: Vietnam
3. Made in China
4. Sensitivity: 73dB + - 3dB
5. Carrier frequency range: 50Hz ~ 18,000Hz

Hopefully, through this article, you can easily overcome if the family microphone is howling.

You finished reading the article "**What to do when karaoke microphone is howling?**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.