

# Mac

All things Mac related

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# Measuring the performance of games

To measure the performance of a game (or any application that uses Metal), or to turn it off, use one of the the following Terminal commands.

To turn on the performance HUD:

```
/bin/launchctl setenv MTL_HUD_ENABLED 1
```

To turn it off:

```
/bin/launchctl setenv MTL_HUD_ENABLED 0
```

# GeForce NOW: Fixing tinny sound when playing games via Bluetooth headset

According [to this FAQ from Nvidia support](#):

**I am using a Bluetooth headset with GeForce NOW and the in-game audio quality is worse than when I listen to music or watch a video. How do I fix that?**

## Explanation

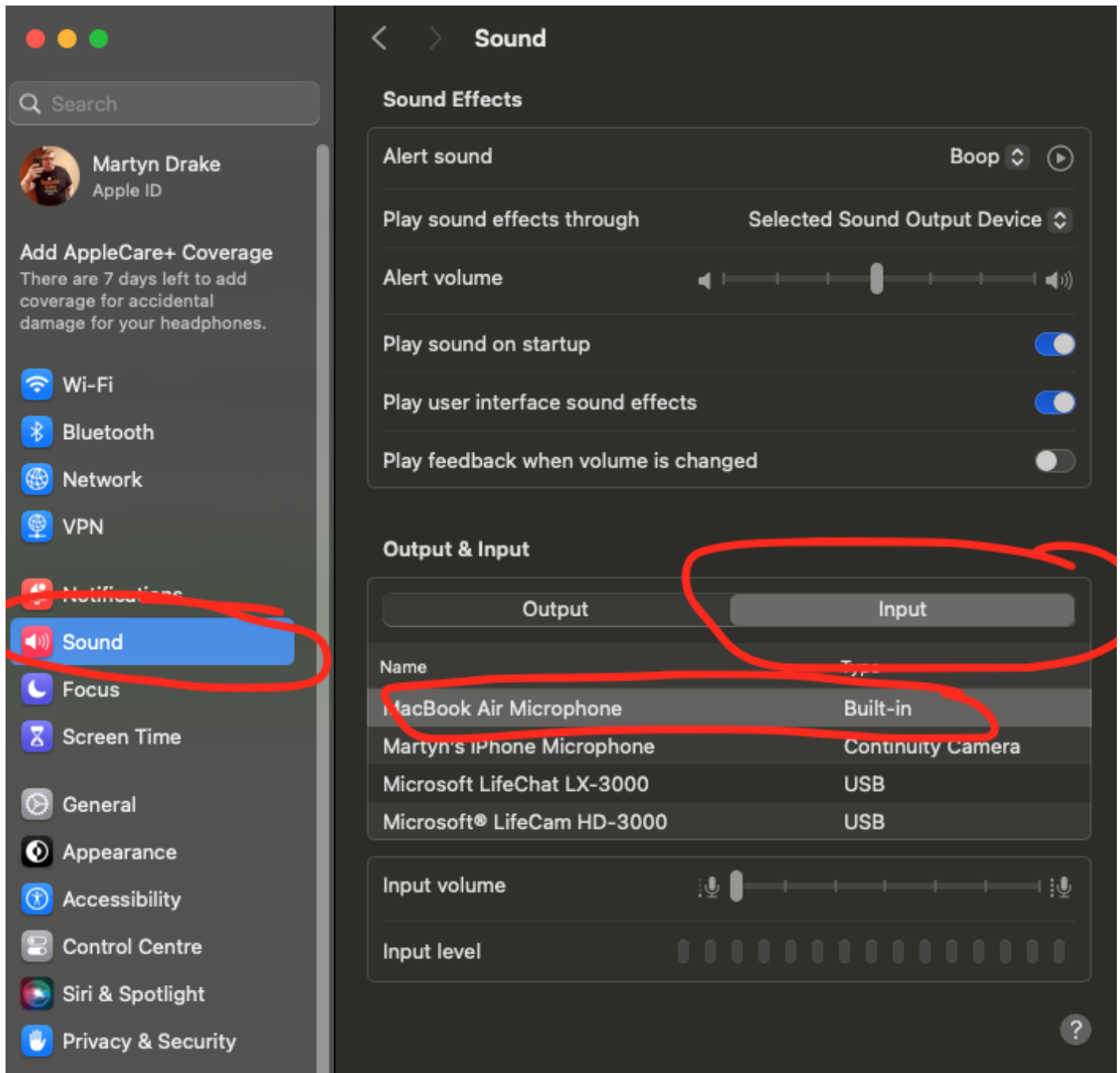
“ Bluetooth standard provides multiple audio profiles for audio. Two of the most commonly used profiles for Bluetooth headsets are Headset Profile (HSP) used for mobile phone conversations (low-bandwidth speech-like signals), and Advanced Audio Distribution Profile (A2DP) used for high-fidelity audio - such as music. When a Bluetooth headset is connected to a Mac or PC, macOS or Windows determines which profile to use based upon whether the microphone on the Bluetooth headset is being used.

GeForce NOW uses microphone for voice chat functionality. As a result when using a Bluetooth headset to play games on GeForce NOW, macOS chooses Headset Profile (HSP) for the headset. This can result in lower audio quality being heard on the headset.

## Solution

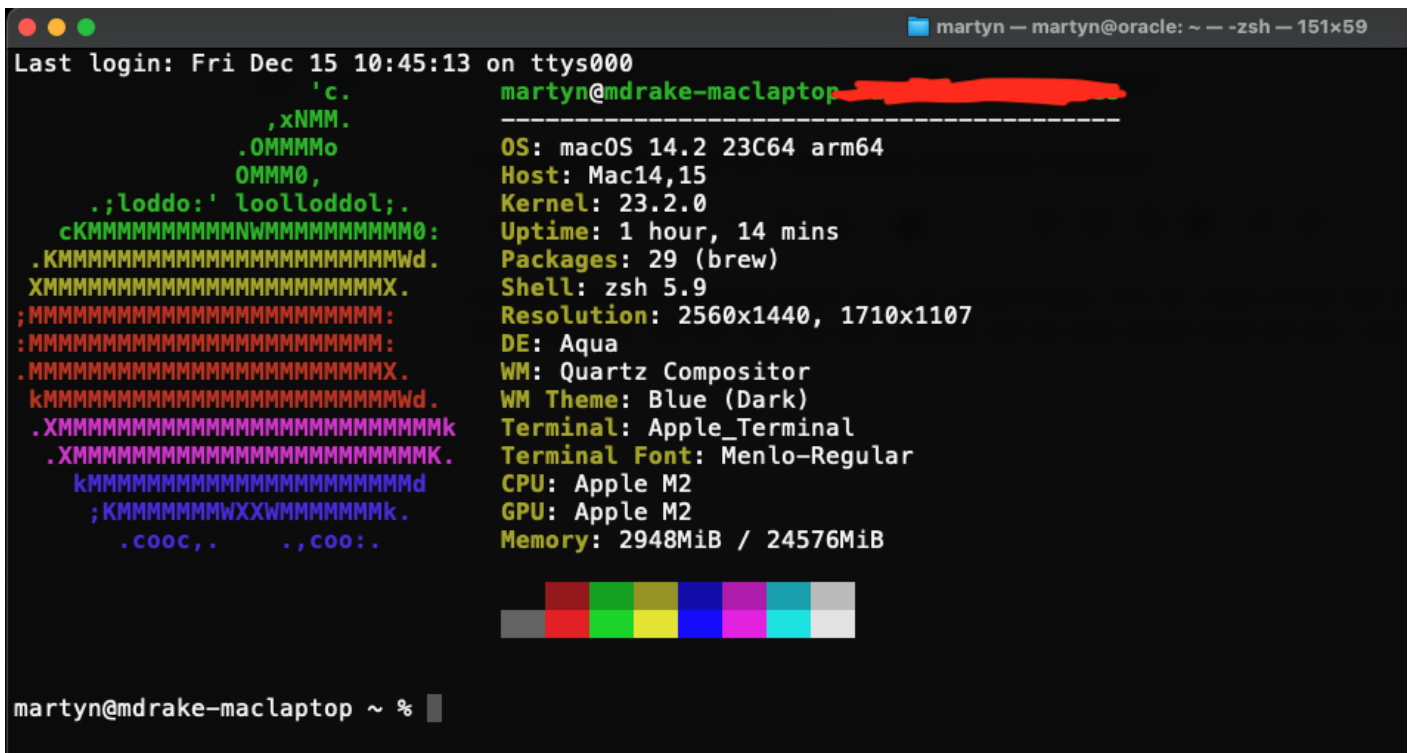
For now users can work around this issue by using your Mac's built in mic when you are using a Bluetooth headset. You can change this under **Settings > Sound > Input > Internal Microphone**. PC users can go to the Windows Settings and adjust their microphone input as well.

Note: AirPods Pro (2) seem to be relatively unaffected by this - but other wireless headphones I've tried (including Beats Studio Pro 3) are definitely going to need to use the workaround.



# Installing and using the Homebrew package manager

macOS is a wonderful operating system which, as a predominately Linux fan, makes me feel right at home. But there are many utilities that I use with Linux that aren't available with the stock macOS install and that's where Homebrew comes in.



```
martyn — martyn@oracle: ~ — zsh — 151x59
Last login: Fri Dec 15 10:45:13 on ttys000
martyn@mdrake-maclaptop
-----
OS: macOS 14.2 23C64 arm64
Host: Mac14,15
Kernel: 23.2.0
Uptime: 1 hour, 14 mins
Packages: 29 (brew)
Shell: zsh 5.9
Resolution: 2560x1440, 1710x1107
DE: Aqua
WM: Quartz Compositor
WM Theme: Blue (Dark)
Terminal: Apple_Terminal
Terminal Font: Menlo-Regular
CPU: Apple M2
GPU: Apple M2
Memory: 2948MiB / 24576MiB

      'c.
    ,xNMM.
  .OMMMMo
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.;loddol; loolloddol;.
cKMMMMMMMMMMNWMMMMMMMMMM0:
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XMMMMMMMMMMMMMMMMMMMMMMX.
;MMMMMMMMMMMMMMMMMMMMMM:
:MMMMMMMMMMMMMMMMMMMMMM:
.MMMMMMMMMMMMMMMMMMMMMX.
kMMMMMMMMMMMMMMMMMMMMWd.
.XMMMMMMMMMMMMMMMMMMMMMK.
.XMMMMMMMMMMMMMMMMMMMMK.
 kMMMMMMMMMMMMMMMMMMMd
;KMMMMMMMMWWXXMMMMMMMMK.
 .cooc,. .,coo:.

martyn@mdrake-maclaptop ~ %
```

*Install Hombrew, and neofetch can be yours!*