

Stereo Playback from a Laptop in the CDA Mixing Suite

2025

A pdf version of this guide is available
www.concordia.ca/finearts/cda/suites/specialized

Contents:

About this guide: Page 2

Connecting your laptop: Page 3

OMNI panel: Page 4

Using Ableton Live to monitor: Page 5

Using Pro Tools to monitor: Page 19

Multi-Channel Playback: Page 37

About this guide

This guide describes how to monitor a stereo analog signal from your laptop in the CDA VS10 mixing suite.

You can use this method to work on a stereo audio project directly from your laptop.

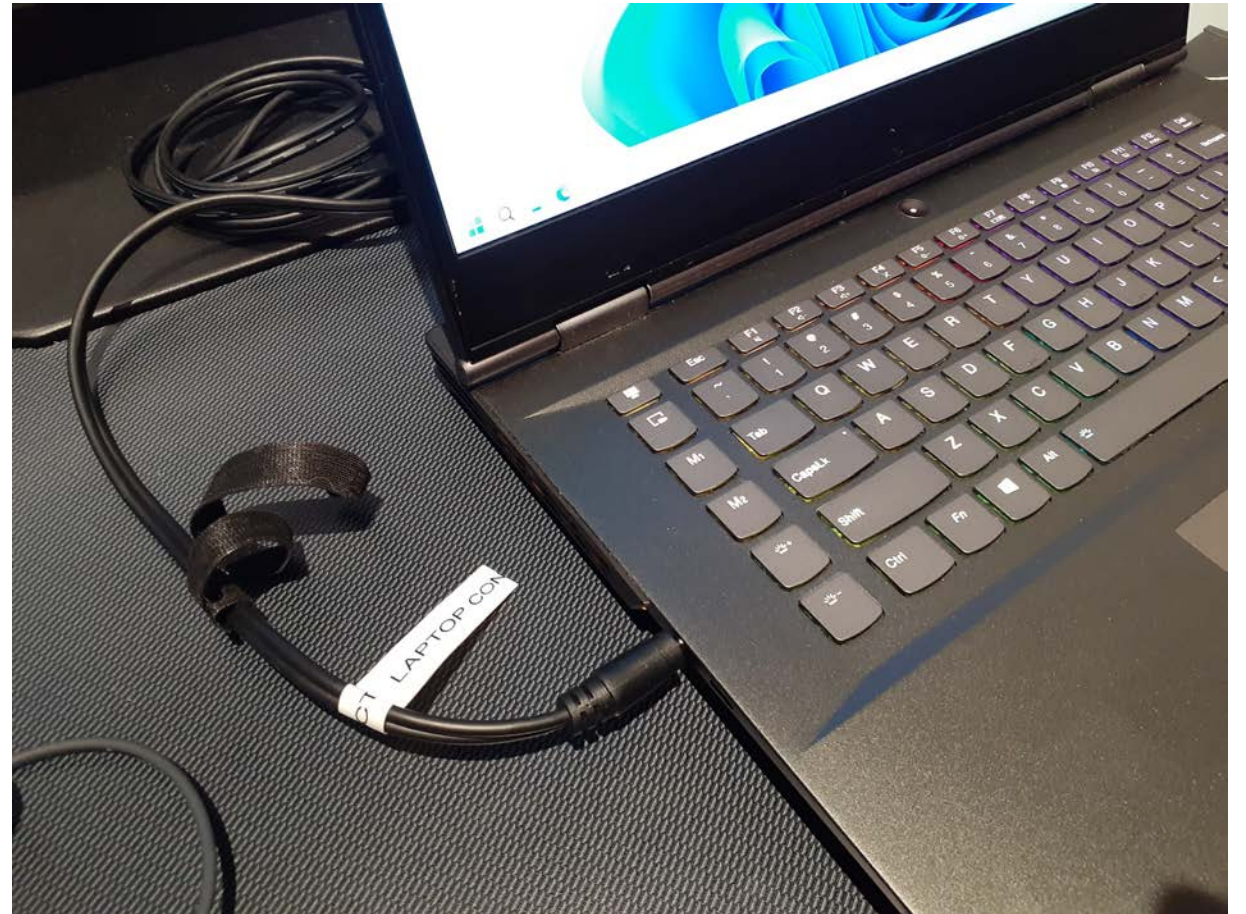
The HD OMNI audio interface in VS10 will receive a stereo analog signal from your laptop. On the VS10 computer, you can use the audio software of your choice to monitor that input by placing a stereo track in record monitor. In this guide I show how to monitor with Ableton Live and Pro Tools.

Connect your laptop

Connect the stereo 1/8" inch cable, provided for you in the suite, to your laptop's analog headphone output.

This cable is already connected to Inputs 3 and 4 on the back of the AVID OMNI audio interface.

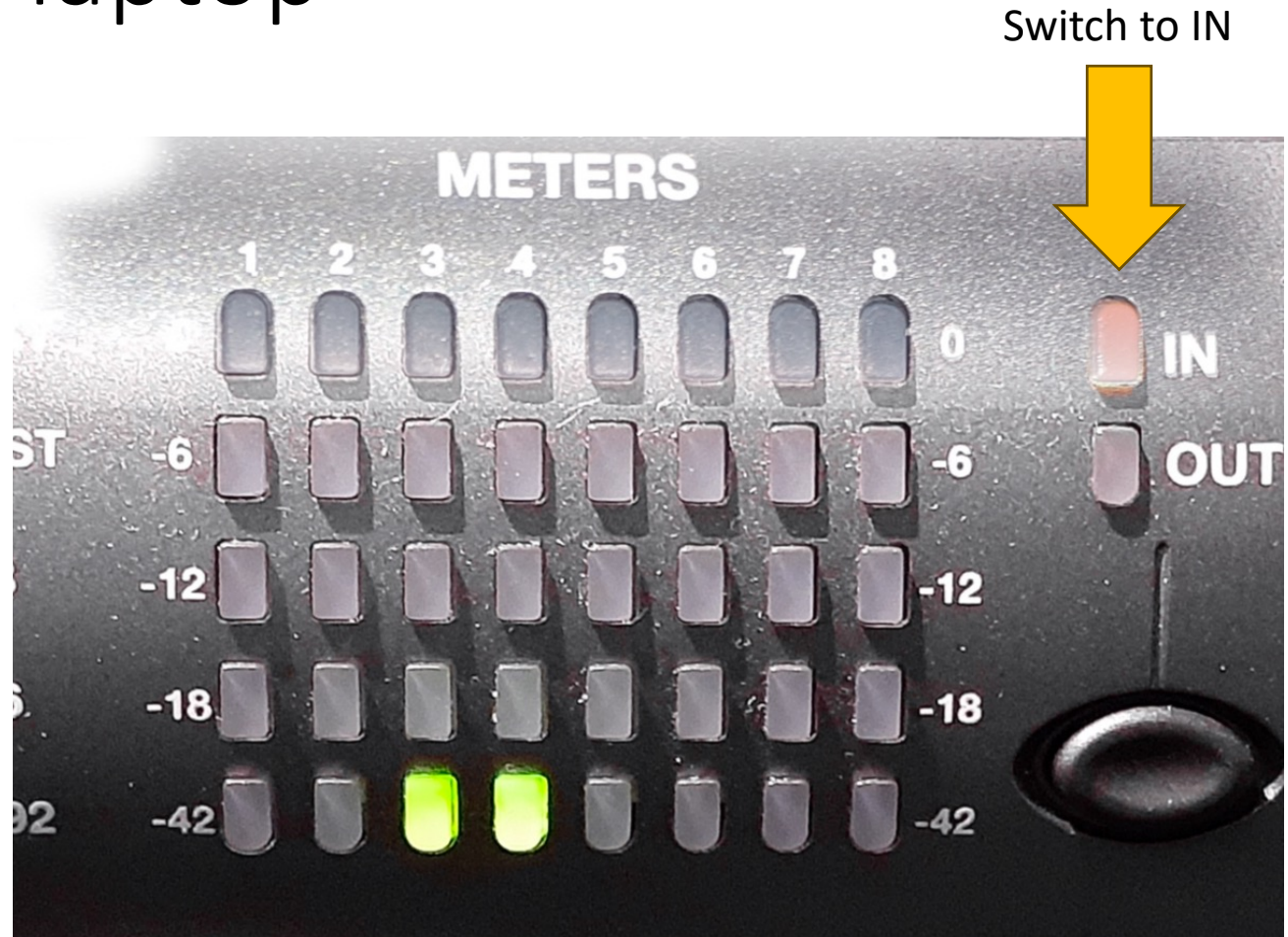
Do not change the inputs on the back of the OMNI.



Play sound from your laptop

In the audio software on your laptop, the audio output settings should be the laptop's headphone output.

Play a track in your software and look for the green LED input lights on the front of the OMNI interface to indicate an audio input on channels 3 and 4.

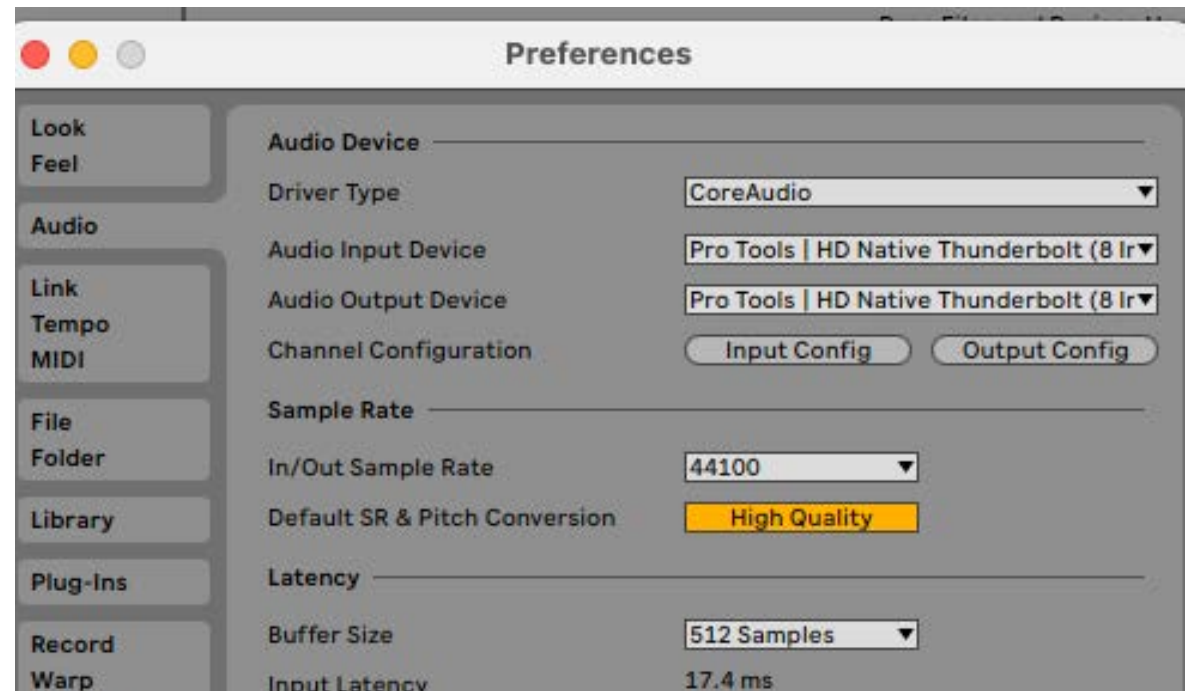
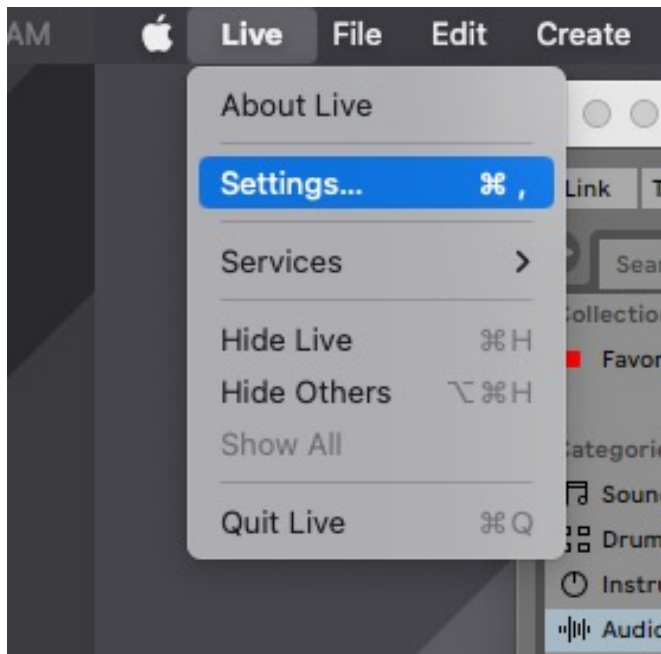


Option One

Using Ableton Live to Monitor the Input

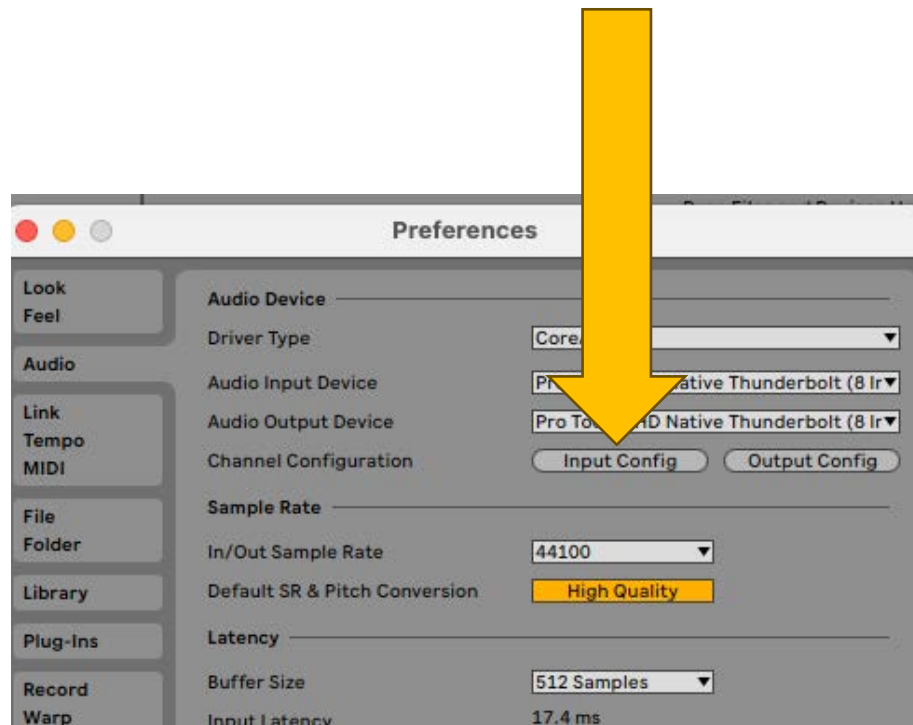
Using Ableton Live to Monitor the Input

Launch Ableton Live and go to “Settings” which takes you to the Preferences! In Audio Preferences, select the “Pro Tools HD Native Thunderbolt” as the Audio Input and Output Device.

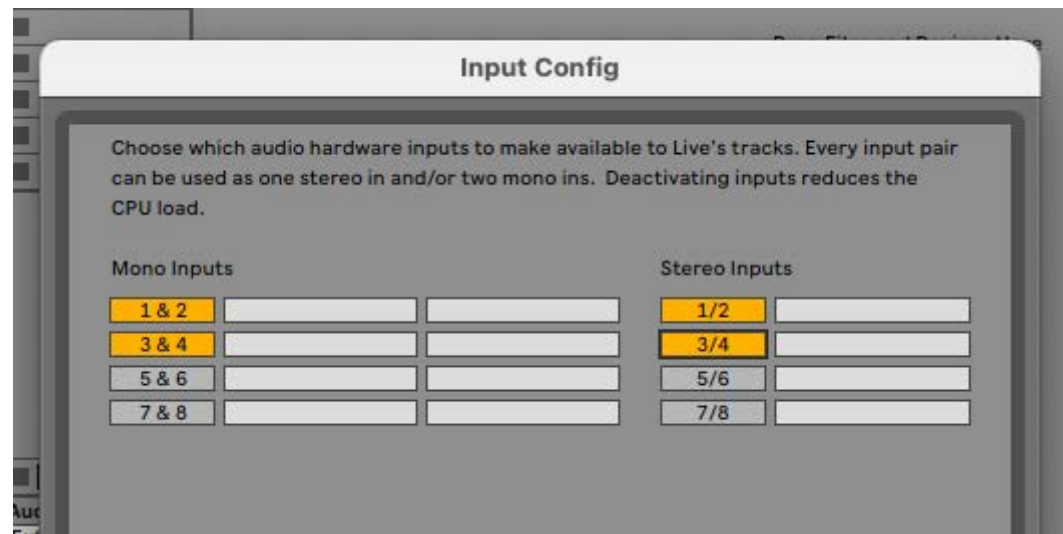


Using Ableton Live to Monitor the Input

In Audio Preferences, click on the **Input Config** button.



In the Input Config, enable inputs 3/4 in both the Mono and Stereo Inputs.

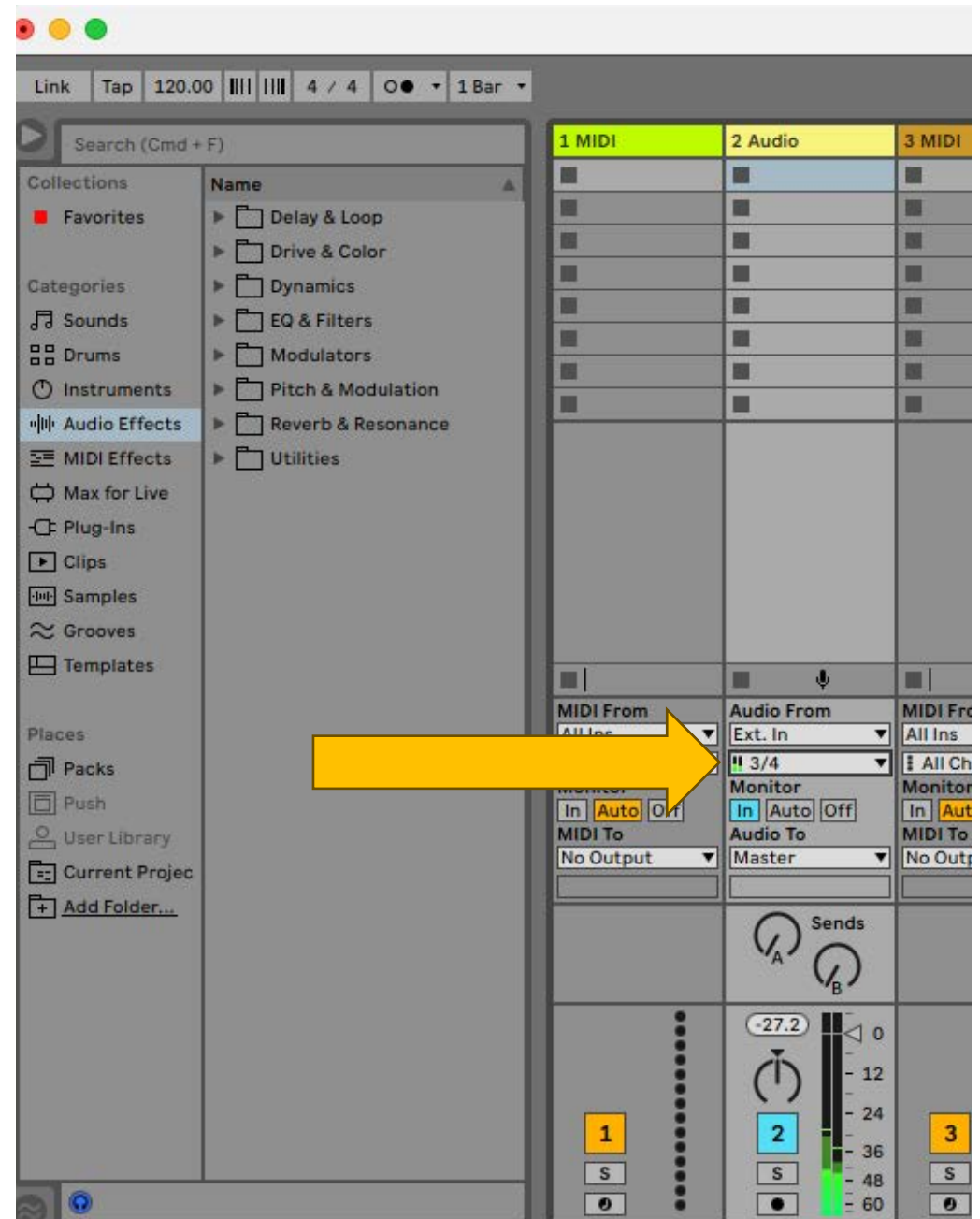


Using Ableton Live to Monitor the Input

Then select channels 3 and 4 as the **Ext. In** (input) on an audio track. Make sure it is an audio type track, not an instrument track.

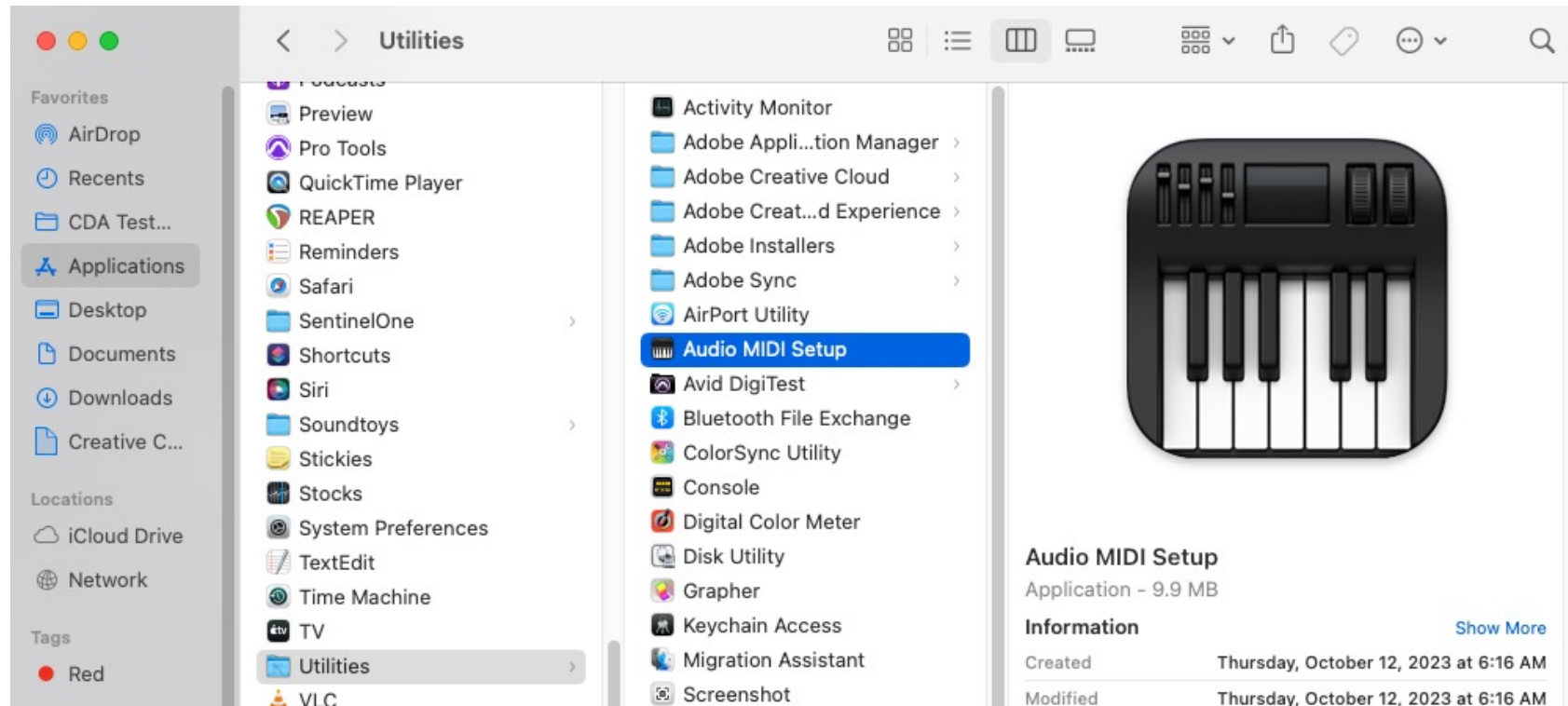
And press the **Monitor In** button right below the input to hear the input.

That's it!

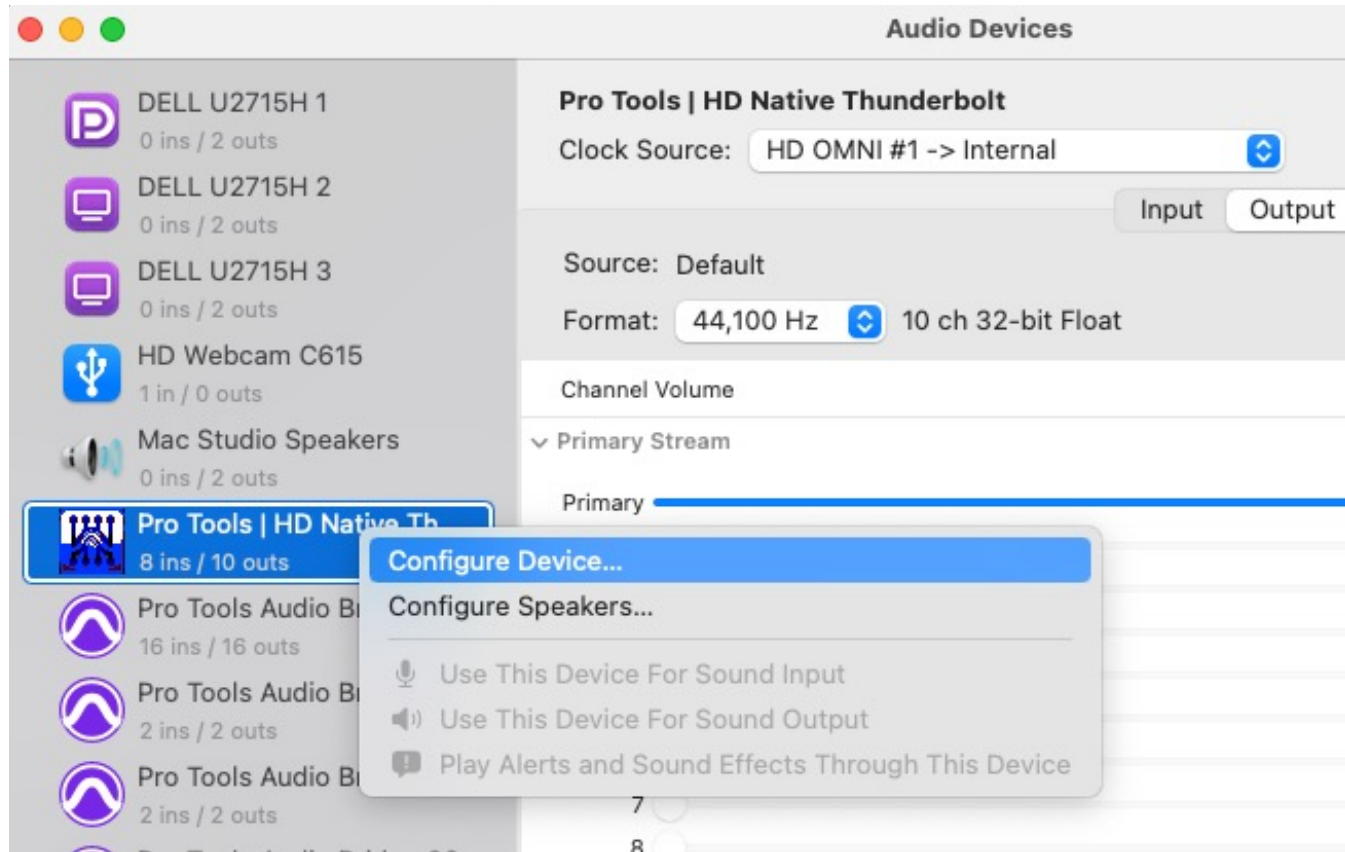


Not hearing an Input in Ableton?

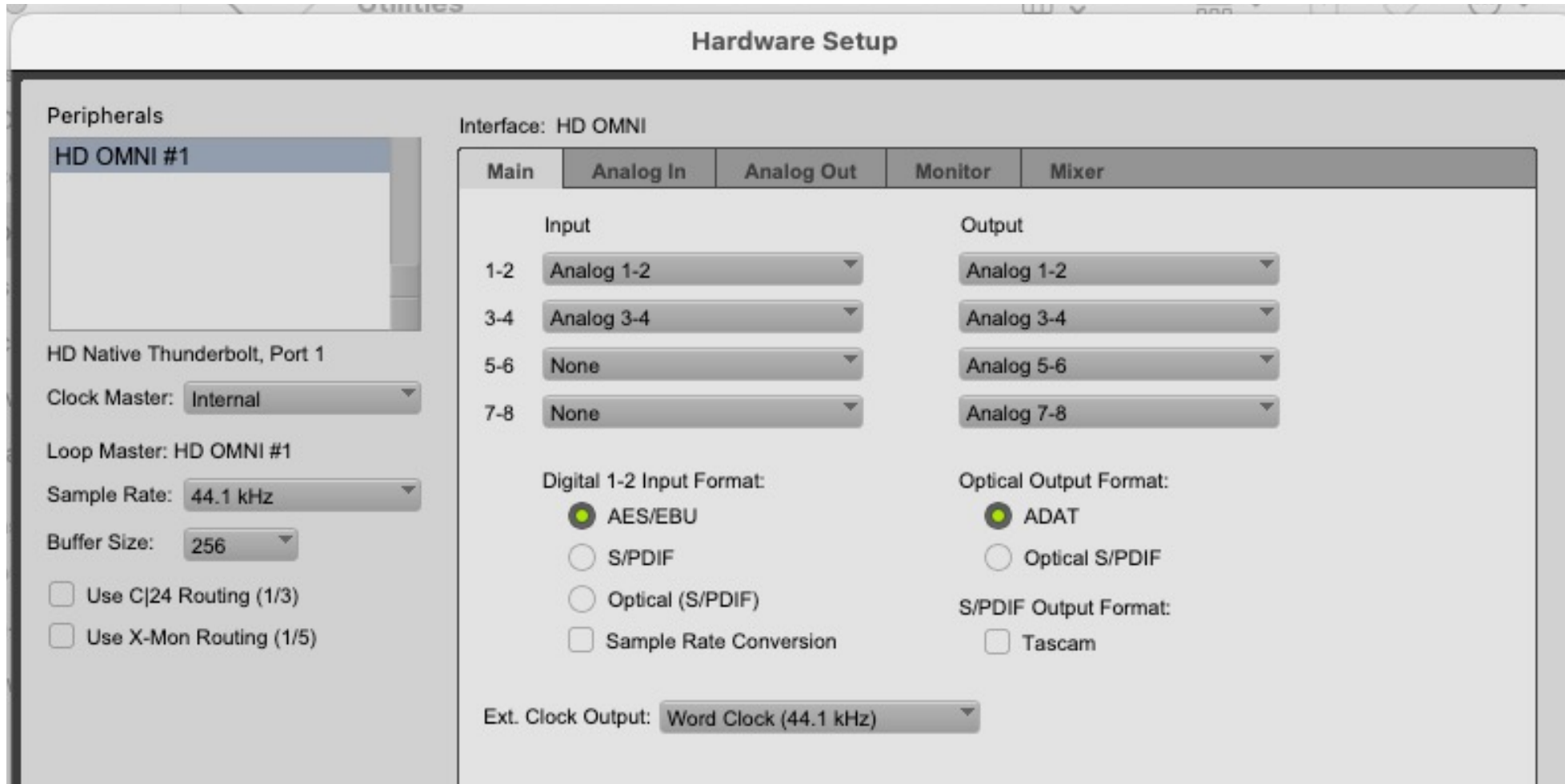
Then check the following hardware settings in **Audio MIDI Setup** in Applications/Utilities



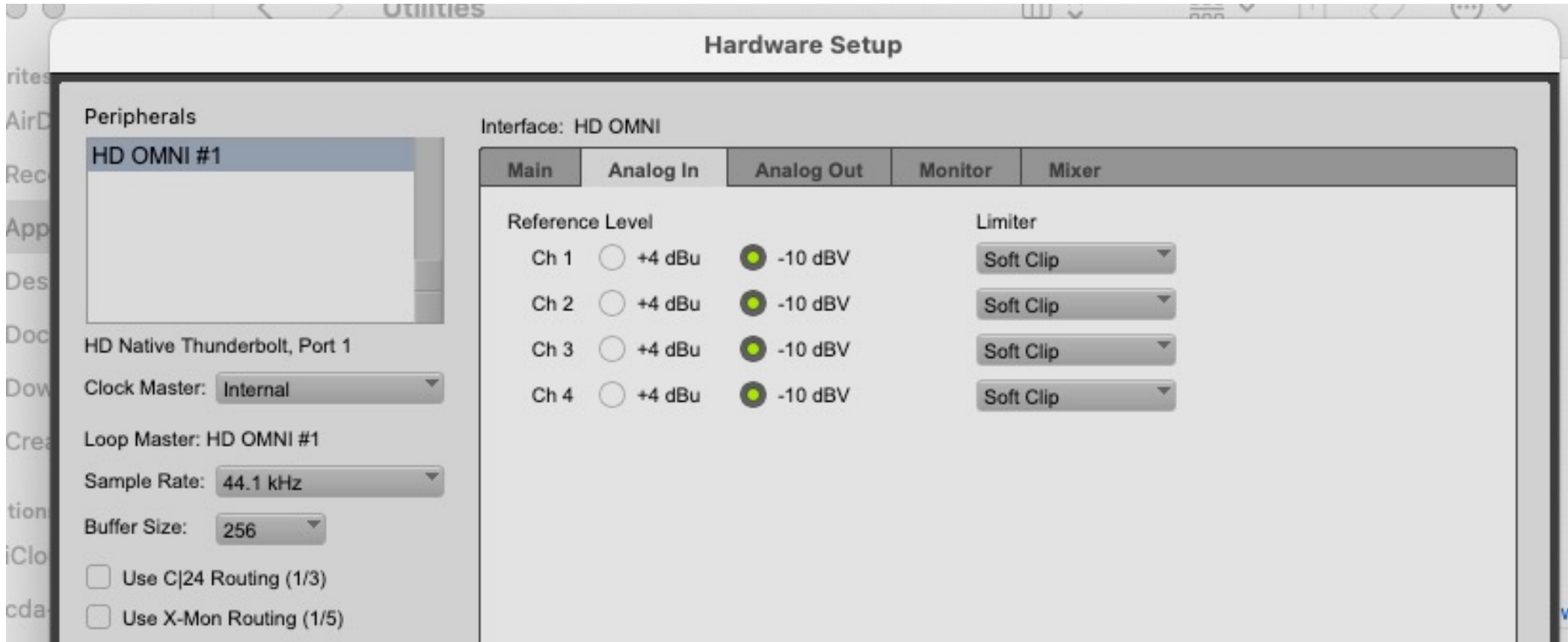
In the list of Audio Devices, go to the HD Native Thunderbolt, right click and “Configure Device”



The **Main** tab should look like this (your Sample Rate may be different):



The Analog In tab should look like this:



The Monitor tab should look like this:

Hardware Setup

Interface: HD OMNI

Peripherals

- HD OMNI #1

HD Native Thunderbolt, Port 1

Clock Master: Internal

Loop Master: HD OMNI #1


Sample Rate: 44.1 kHz

Buffer Size: 256

Use C|24 Routing (1/3)

Use X-Mon Routing (1/5)

Main Analog In Analog Out **Monitor** Mixer



CR Path	Format	Fold-Down	Analog (DB-25)								AES/EBU (DB-25)								Digi	
			1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2
MAIN	None	None																		
ALT	None	None																		

Engage Fold-Down for MAIN

Engage Fold-Down for ALT

Control Room Fold-Down:
Do Not Fold Down Between CR Paths

Headphone Fold-Down:
Do Not Fold Down (L/R Channels Only)

Genelec Controller Settings: Volume

Move the volume knob to activate (wake up) the speakers.

Use the volume knob to listen at a comfortable listening level.

By default, the volume will start at -40 dB.



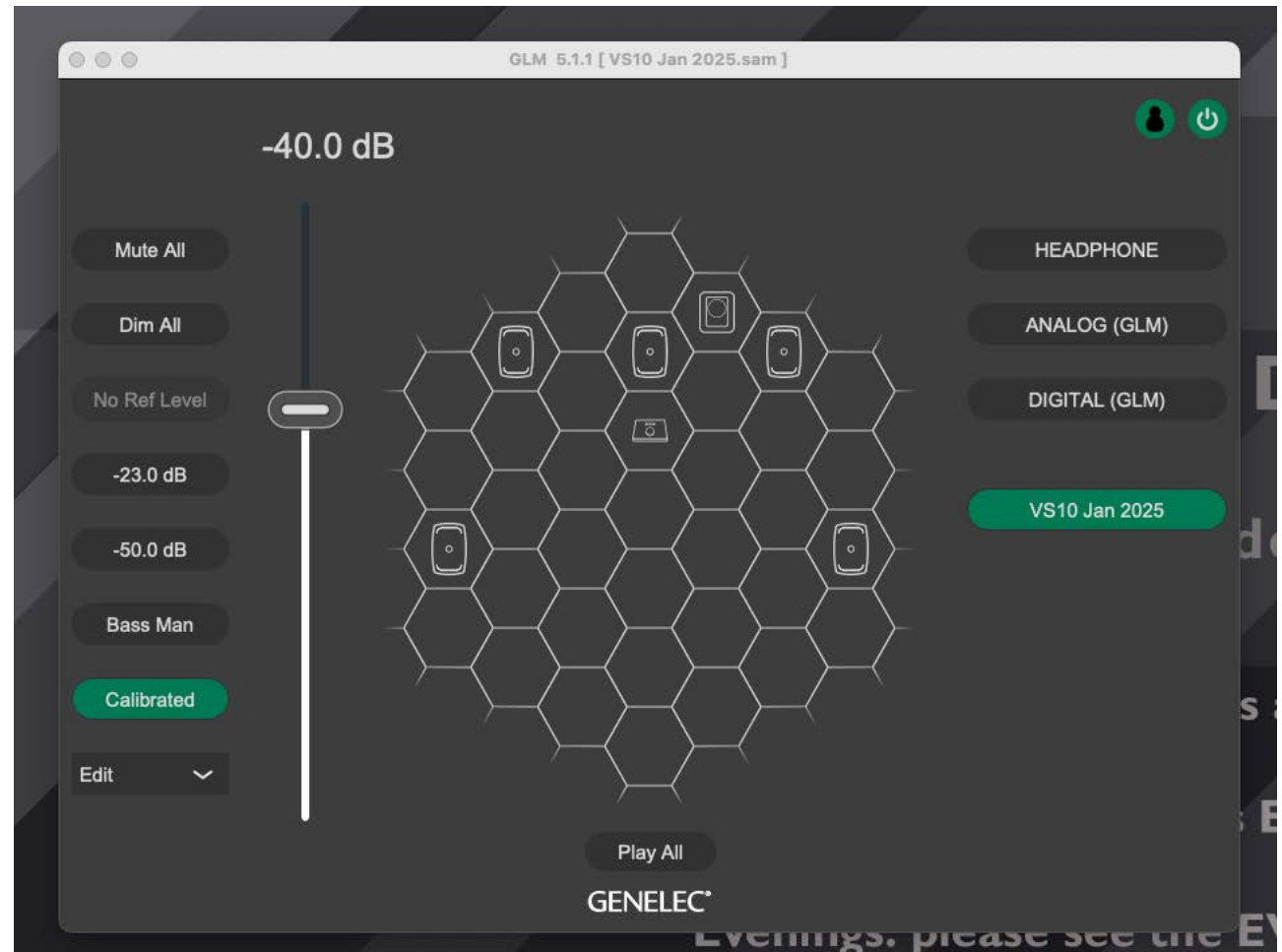
GLM software

When you log in with your user account, the GLM software will launch automatically with the calibration file. At the time of this writing, the file is called: VS10 Jan 2025.

Do not adjust any of the controls in the software otherwise you may lose the calibration. Simply hide the software (but keep it open).

All the necessary controls can be made physically on the 9320 controller.

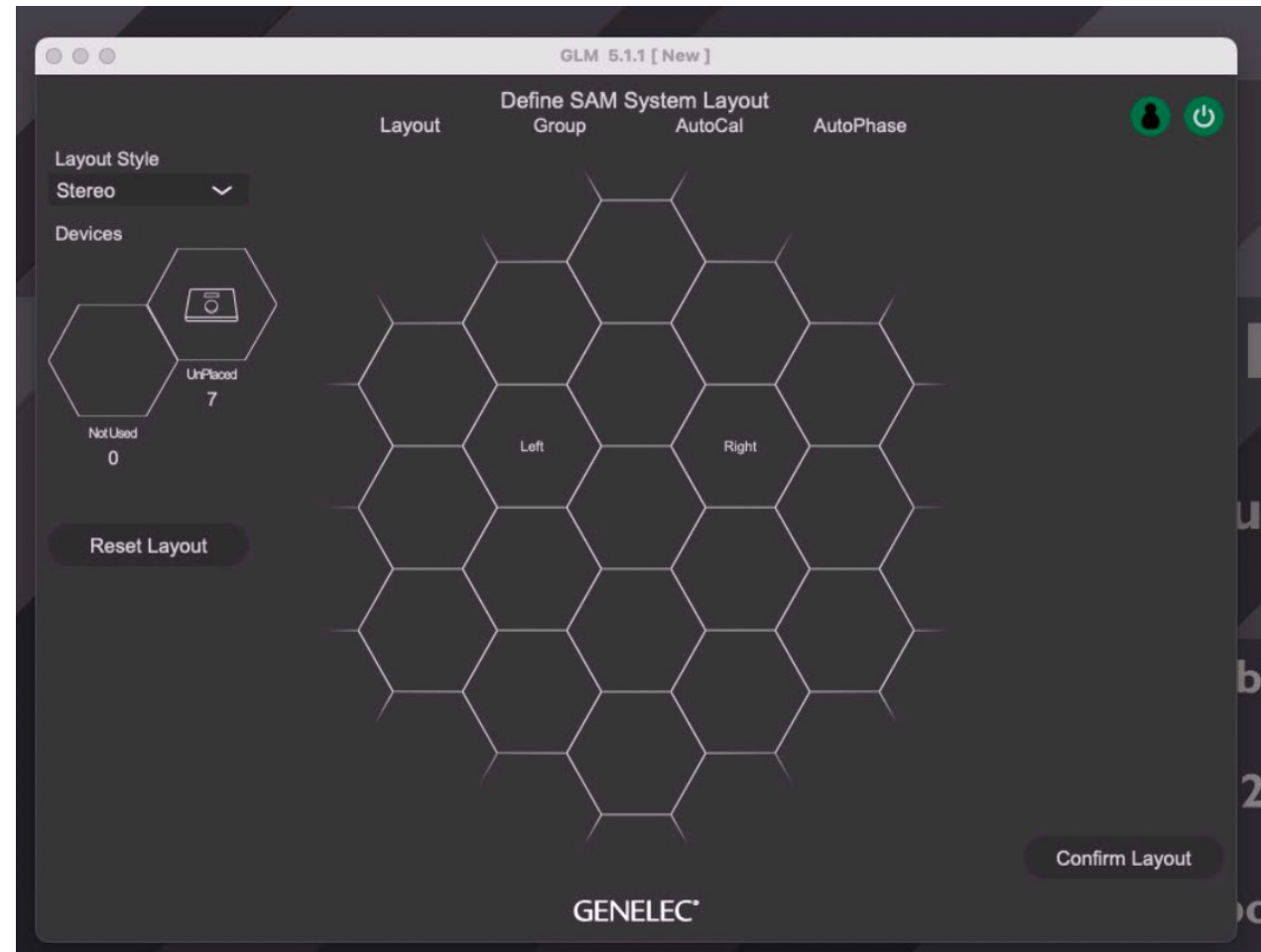
If the calibration file does not load see the next page.



GLM software: loading the calibration file

If the calibration file does not load, the software will look like this.

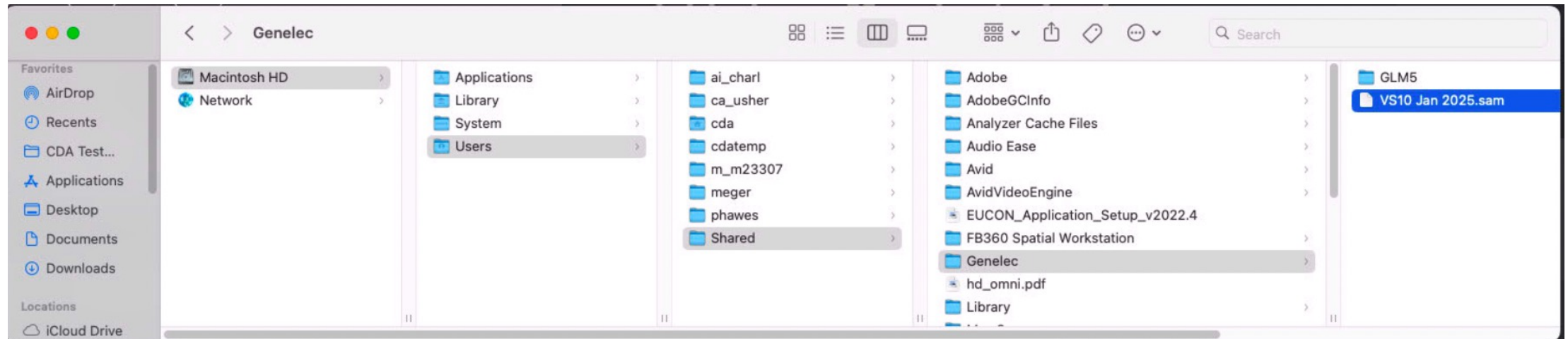
You will have to load the file manually (see next page).



GLM software: loading the calibration file

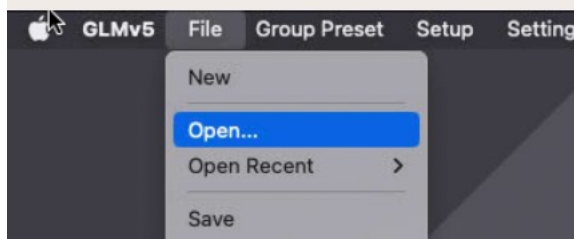
Copy the calibration file “ VS10 Jan 2025. sam” onto the desktop from this location:

Macintosh HD/ Users/ Shared/ Genelec

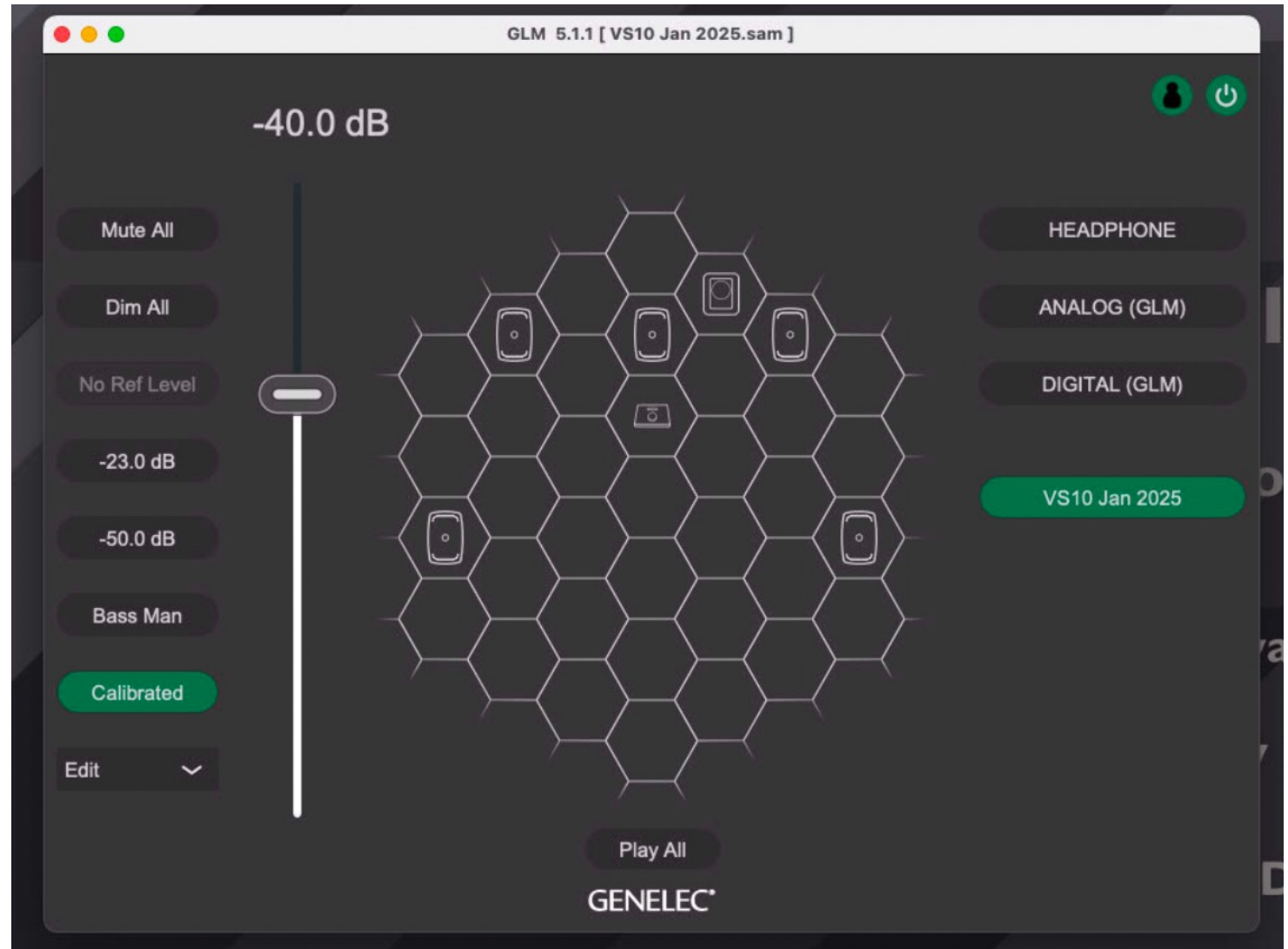


GLM software: loading the calibration file

Open the .sam calibration file in the GLM software.



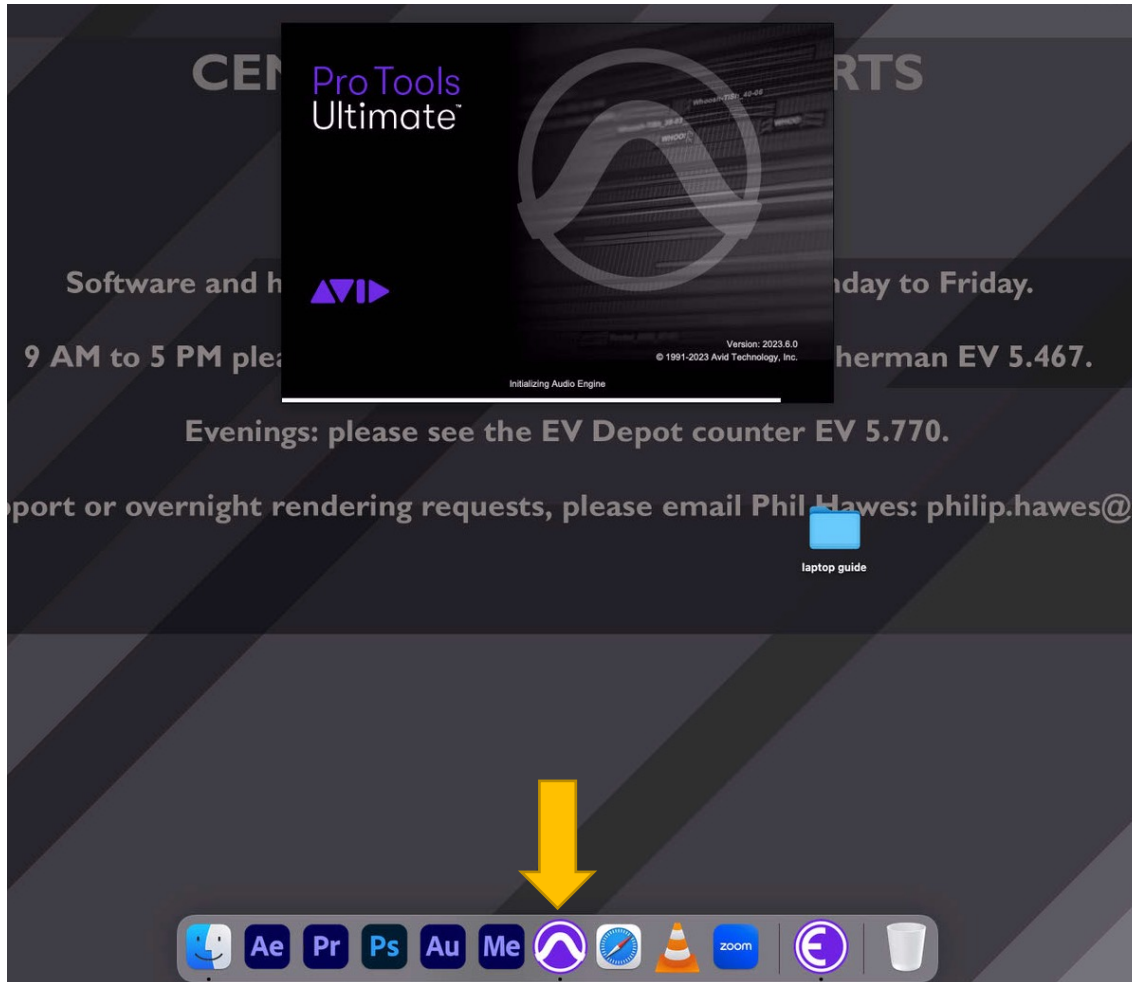
Then it should look like this:



Option Two

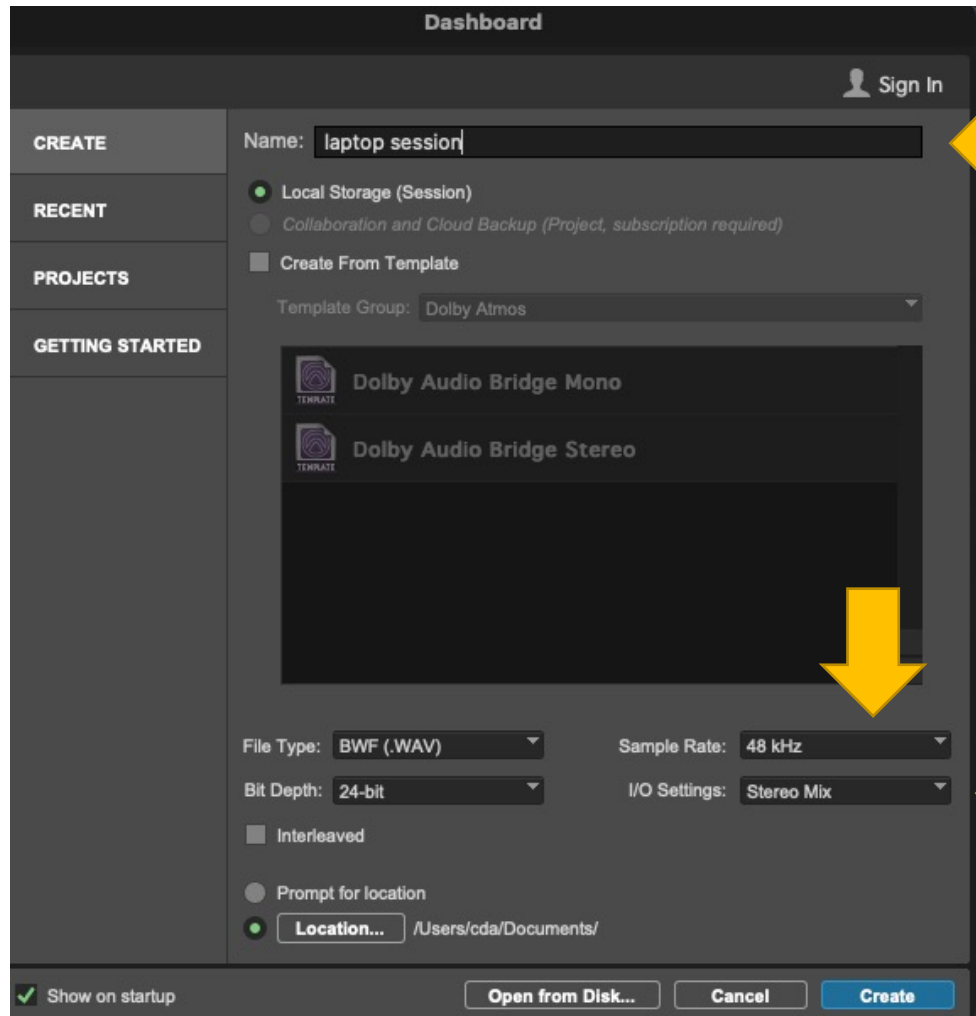
Using Pro Tools to Monitor the Input

Using Pro Tools to monitor the input



Launch Pro Tools.

Create a new Stereo Mix Session

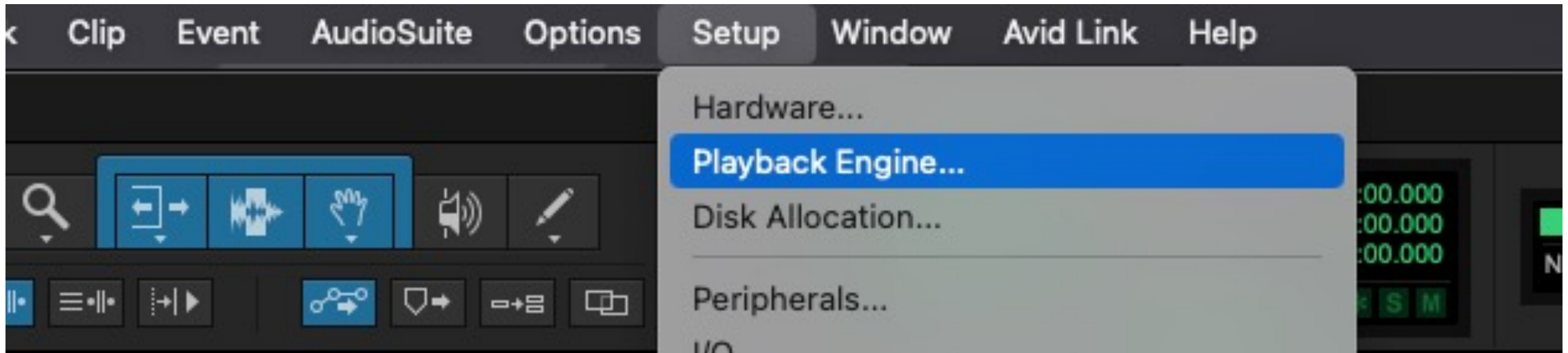


Name the session.

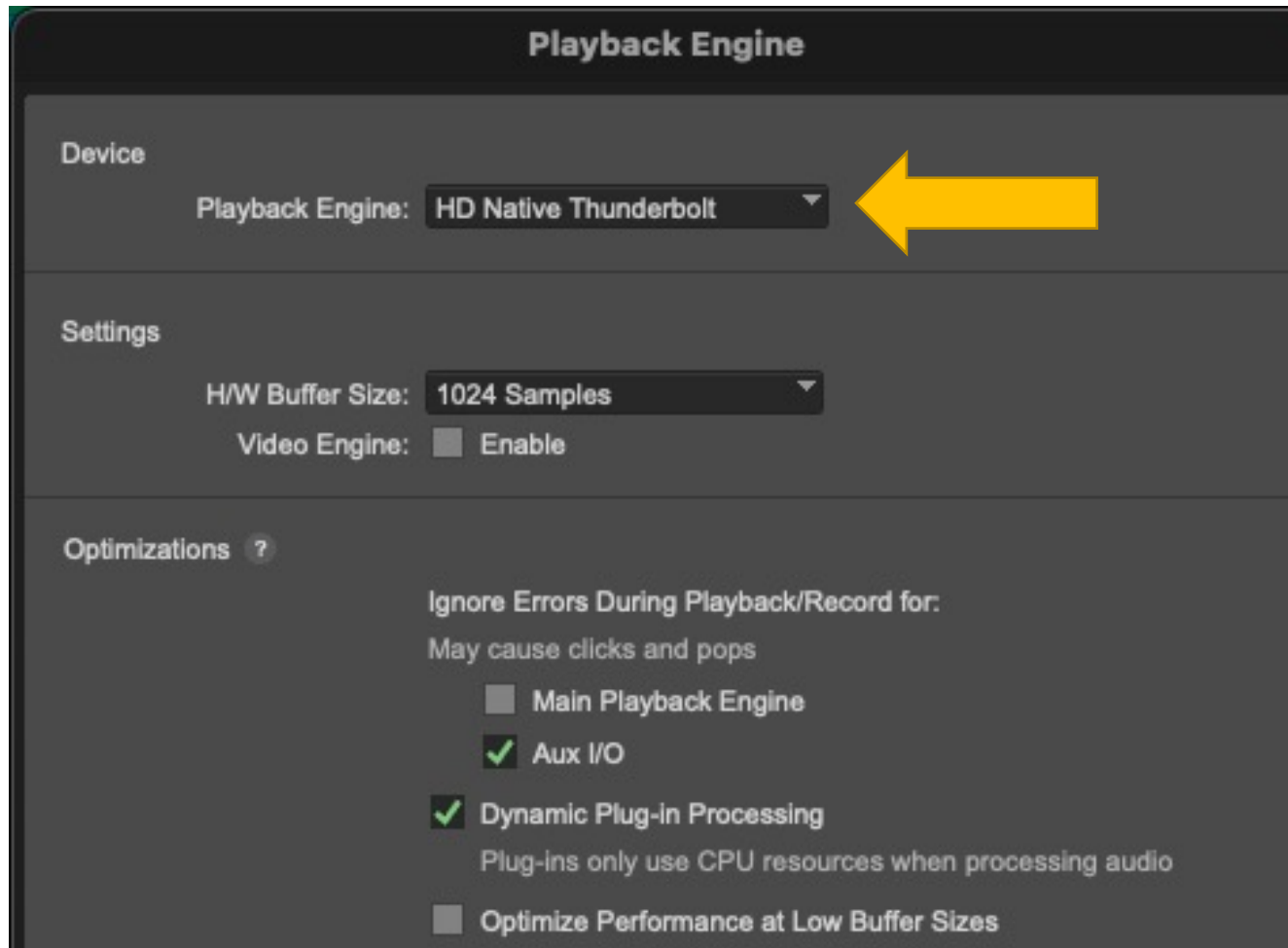
Ideally you will set the sample rate to the sample rate of your audio project on your laptop (but it can be different).

Set I/O Settings to "Stereo Mix"

In the new session, in the top menu, go to **Setup/Playback Engine**.

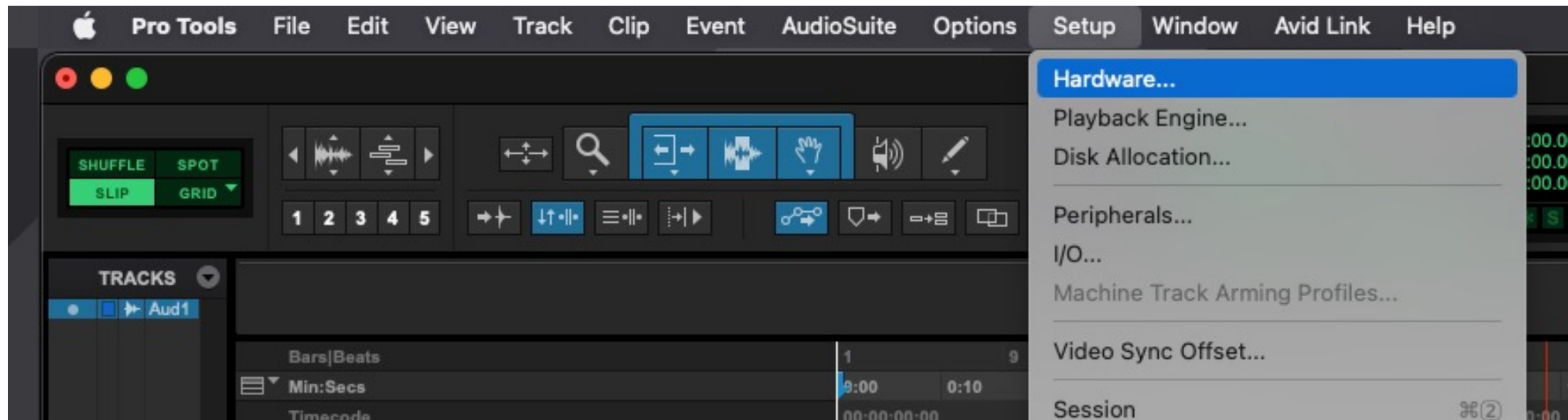


The Playback Engine should be: HD Native Thunderbolt

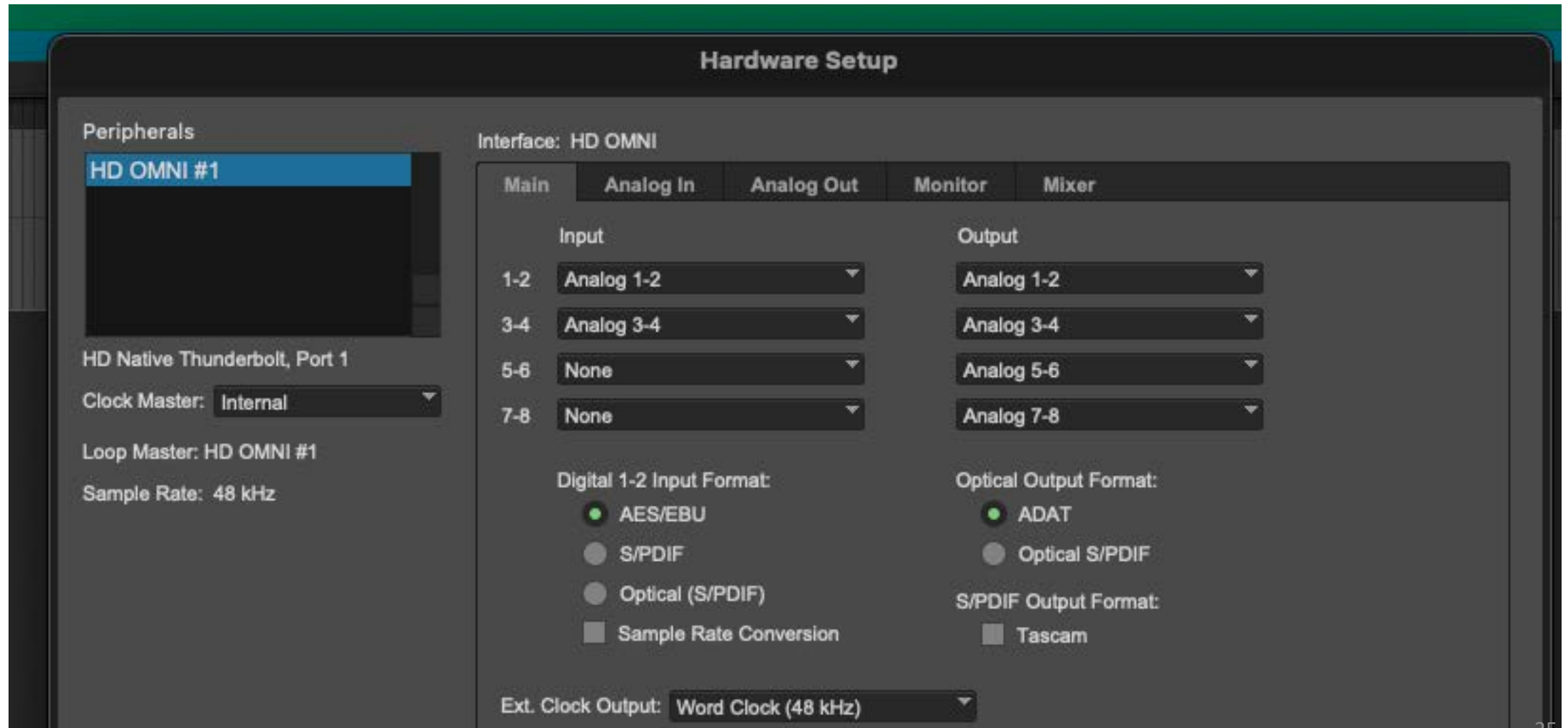


The HD Native Thunderbolt is the AVID OMNI interface.

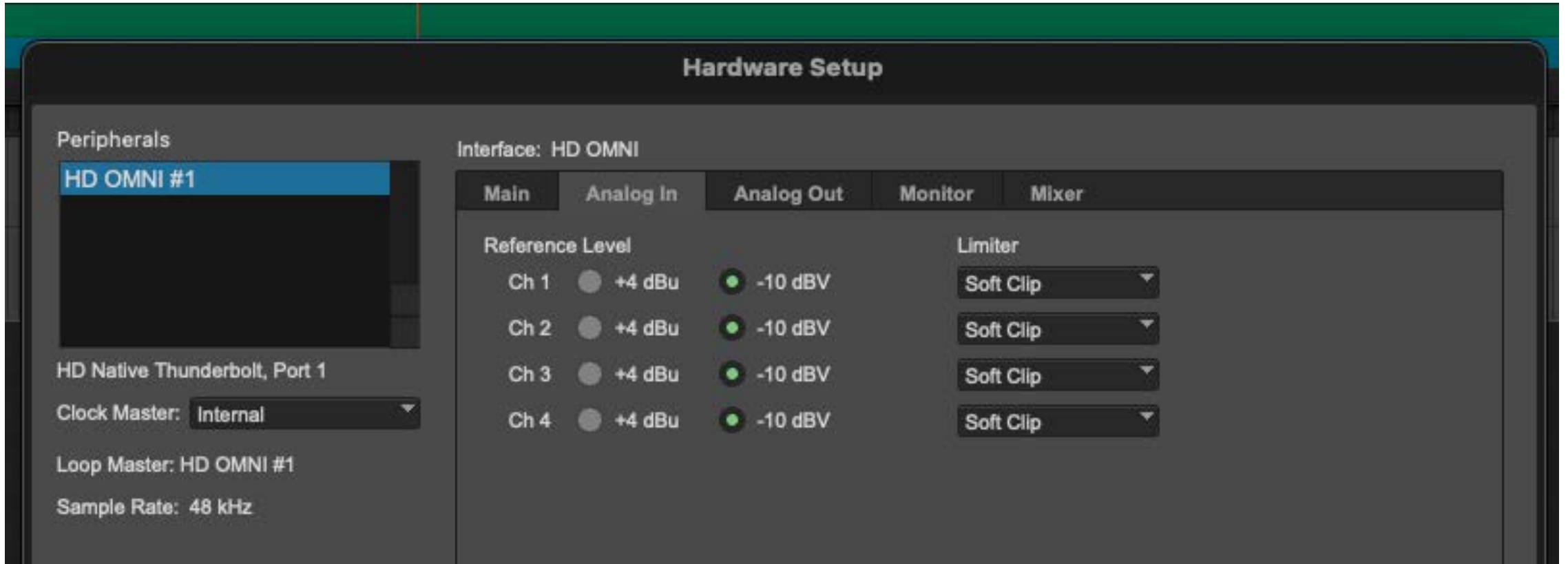
Then go to Setup/Hardware:



The **Main** tab should look like this. It is the Inputs and Outputs that are most important.



The Analog In tab should look like this:



The Monitor tab should look like this:

Hardware Setup

Peripherals

- HD OMNI #1

HD Native Thunderbolt, Port 1


Clock Master: Internal

Loop Master: HD OMNI #1

Sample Rate: 48 kHz

Interface: HD OMNI

Main Analog In Analog Out **Monitor** Mixer



CR Path	Format	Fold-Down	Analog (DB-25)								AES/EBU (DB-25)								Dig	
			1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2
MAIN	None	None																		
ALT	None	None																		

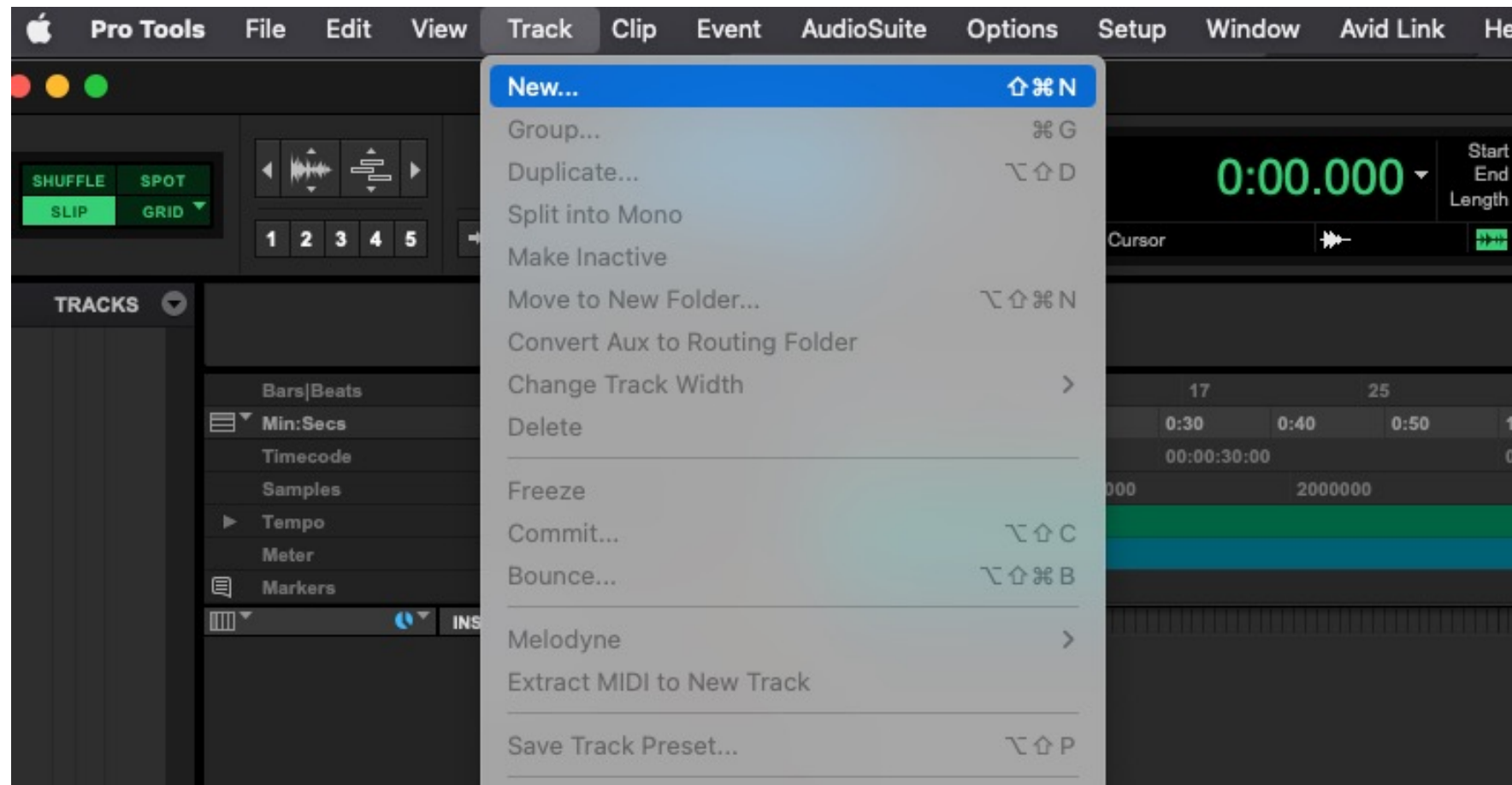
Engage Fold-Down for MAIN

Engage Fold-Down for ALT

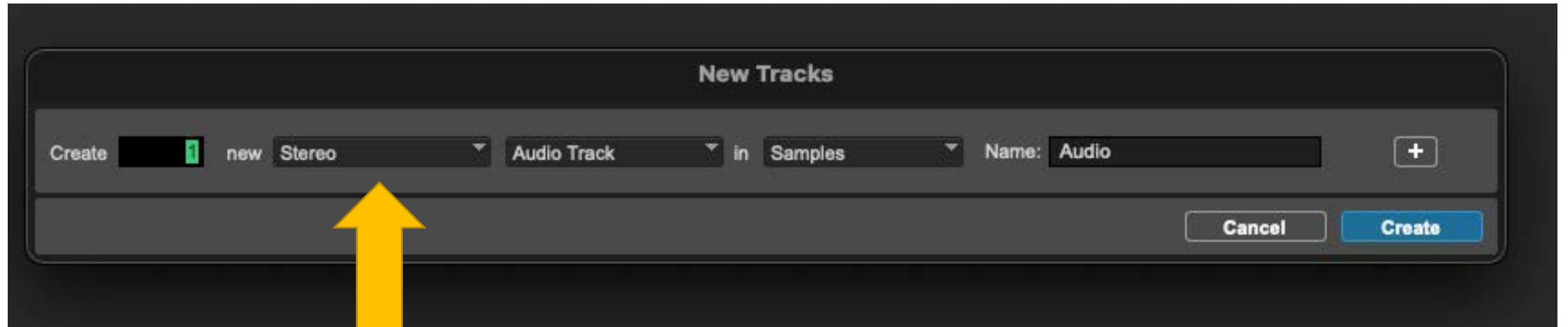
Control Room Fold-Down:
Do Not Fold Down Between CR Paths

Headphone Fold-Down:
Do Not Fold Down (L/R Channels Only)

Go to Track/New, to make a new audio track.

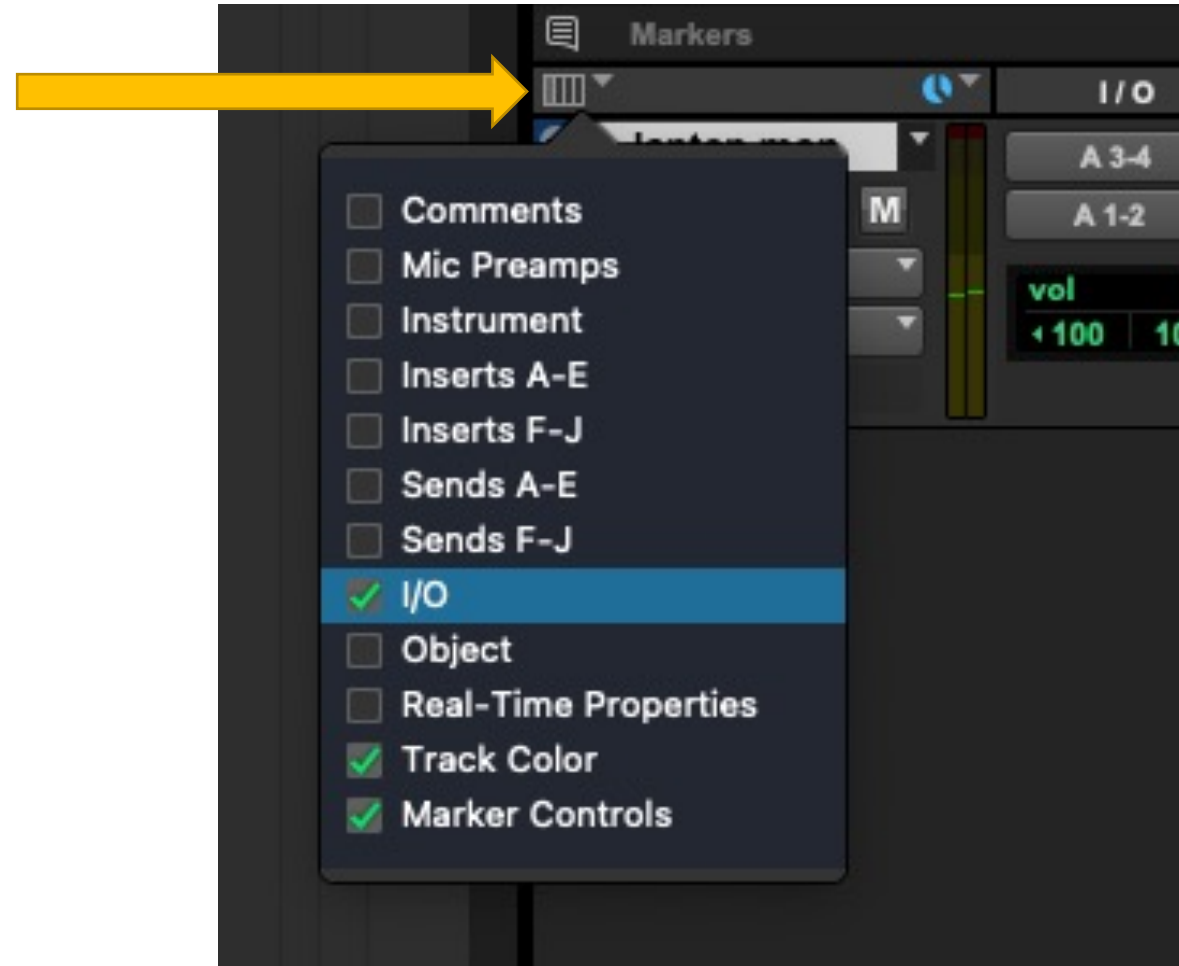


Make a Stereo Audio Track.

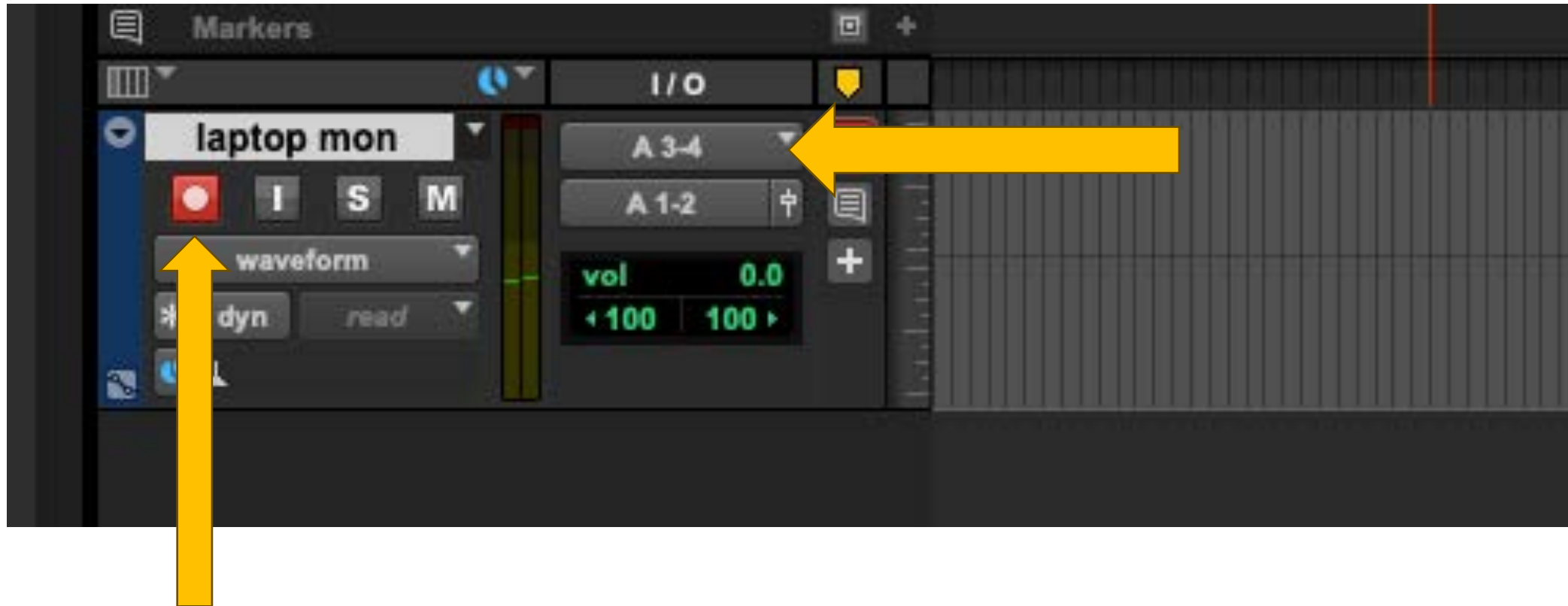


On the audio track make sure that it is displaying the I/O options for the track.

Click on this icon to get the track display options.



Set the track inputs to A 3-4. Outputs to A 1-2.



Then press the monitor record button. You should hear the audio from your laptop.

Genelec Controller Settings: Volume

Move the volume knob to activate (wake up) the speakers.

Use the volume knob to listen at a comfortable listening level.

By default, the volume will start at -40 dB.



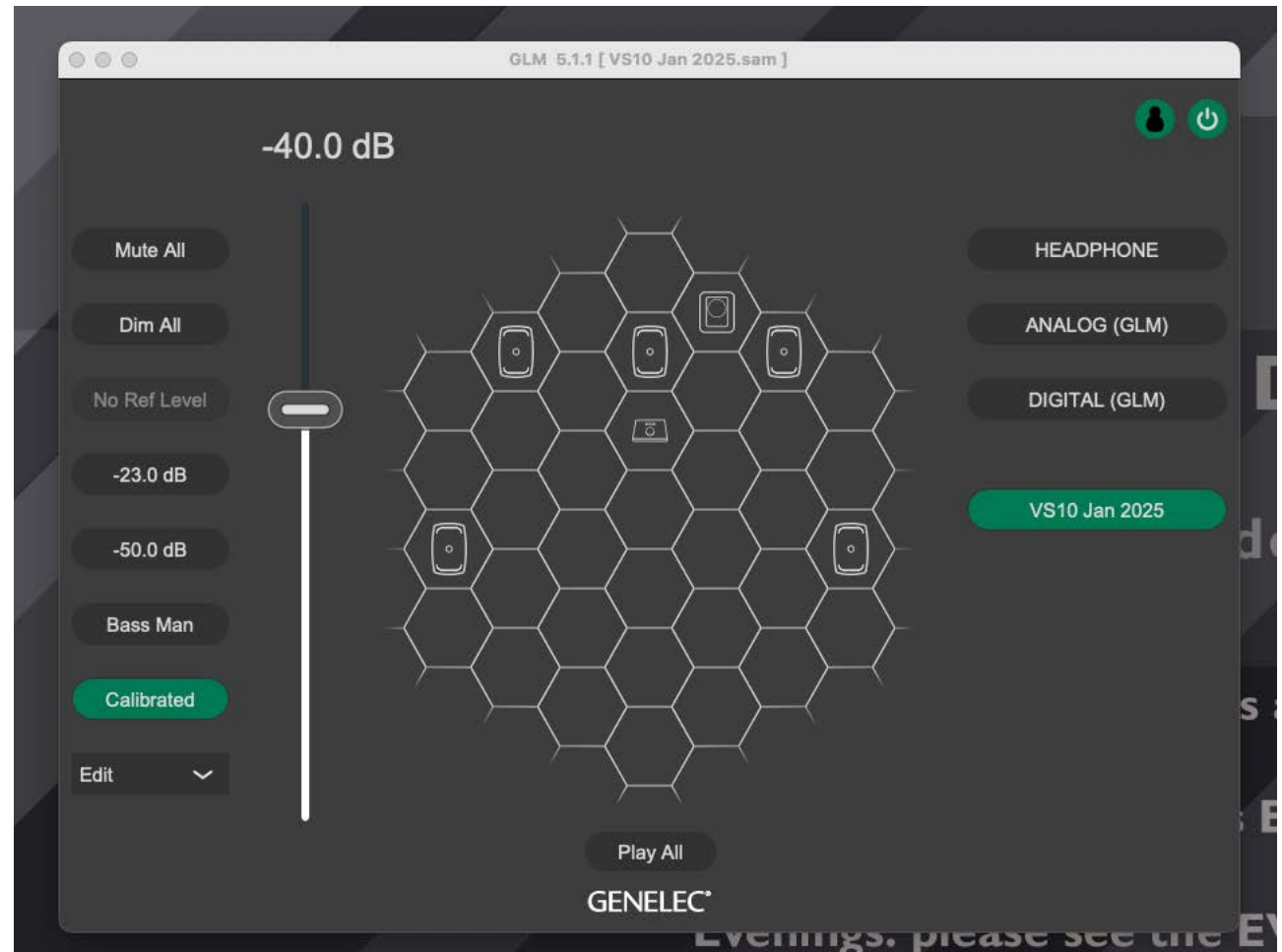
GLM software

When you log in with your user account, the GLM software will launch automatically with the calibration file. At the time of this writing, the file is called: VS10 Jan 2025.

Do not adjust any of the controls in the software otherwise you may lose the calibration. Simply hide the software (but keep it open).

All the necessary controls can be made physically on the 9320 controller.

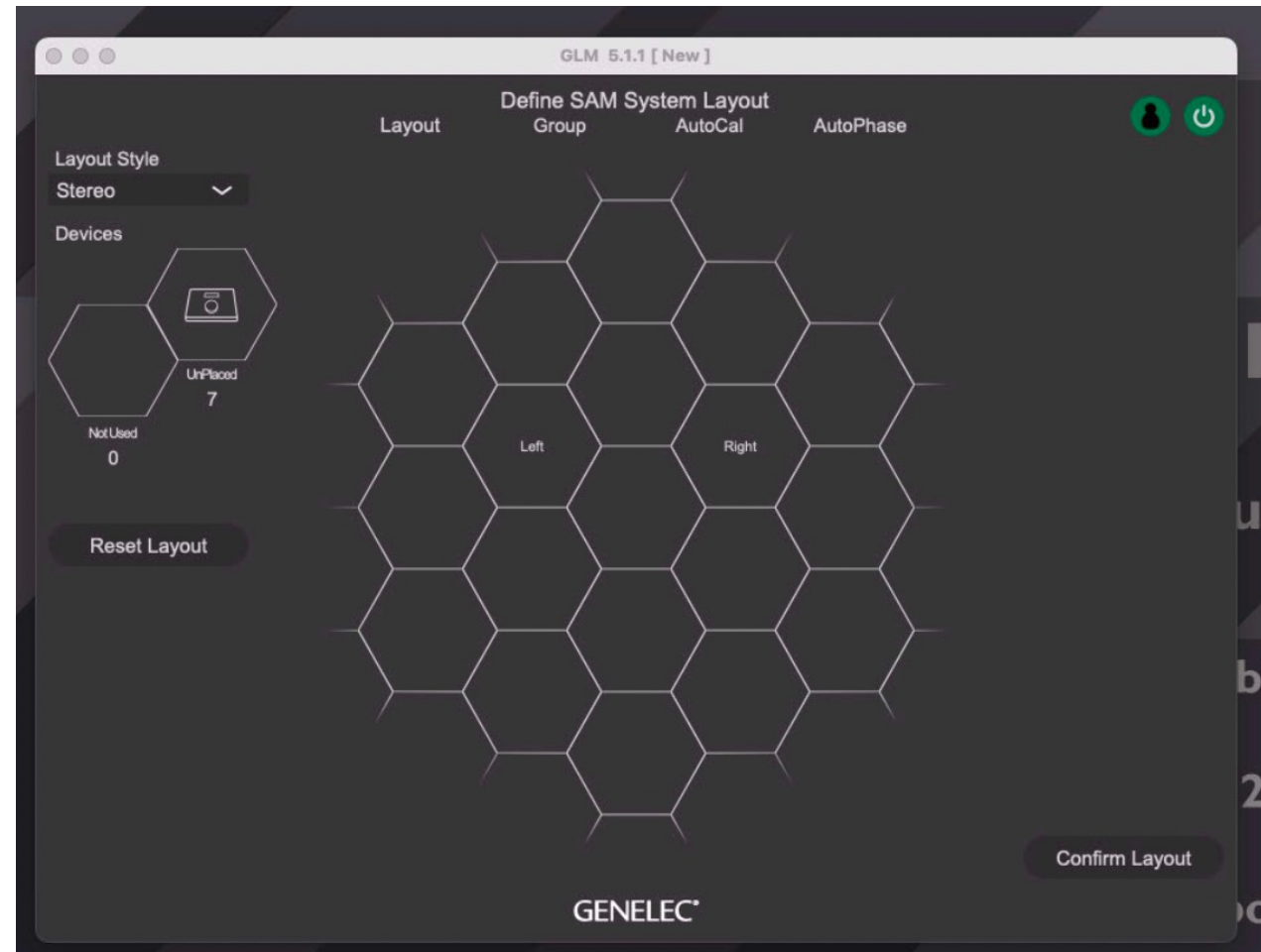
If the calibration file does not load see the next page.



GLM software: loading the calibration file

If the calibration file does not load, the software will look like this.

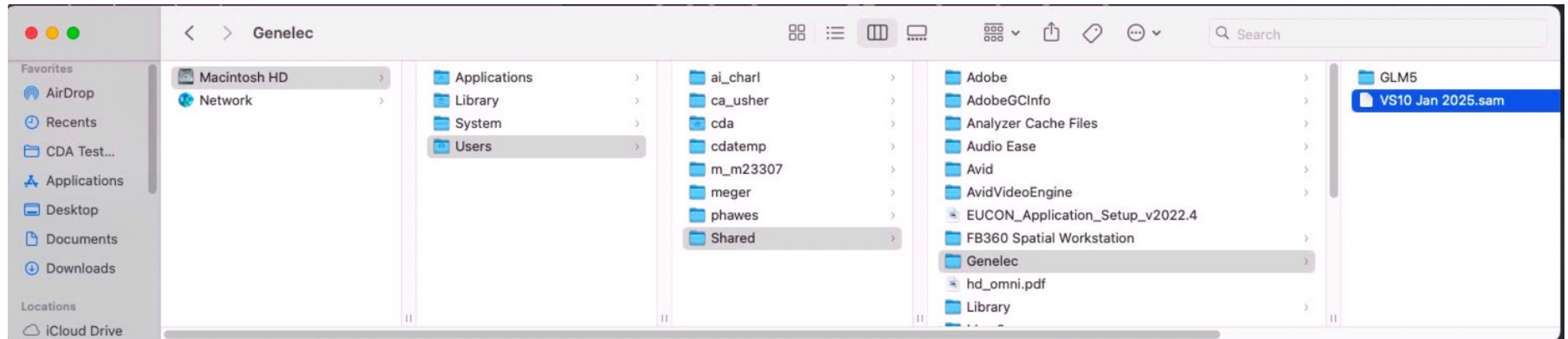
You will have to load the file manually (see next page).



GLM software: loading the calibration file

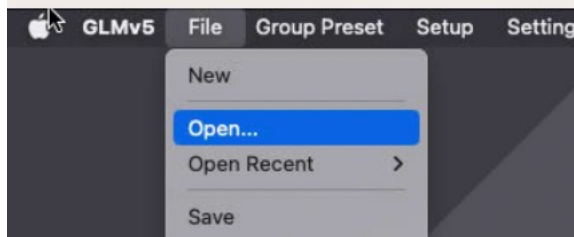
Copy the calibration file “ VS10 Jan 2025. sam” onto the desktop from this location:

Macintosh HD/ Users/ Shared/ Genelec

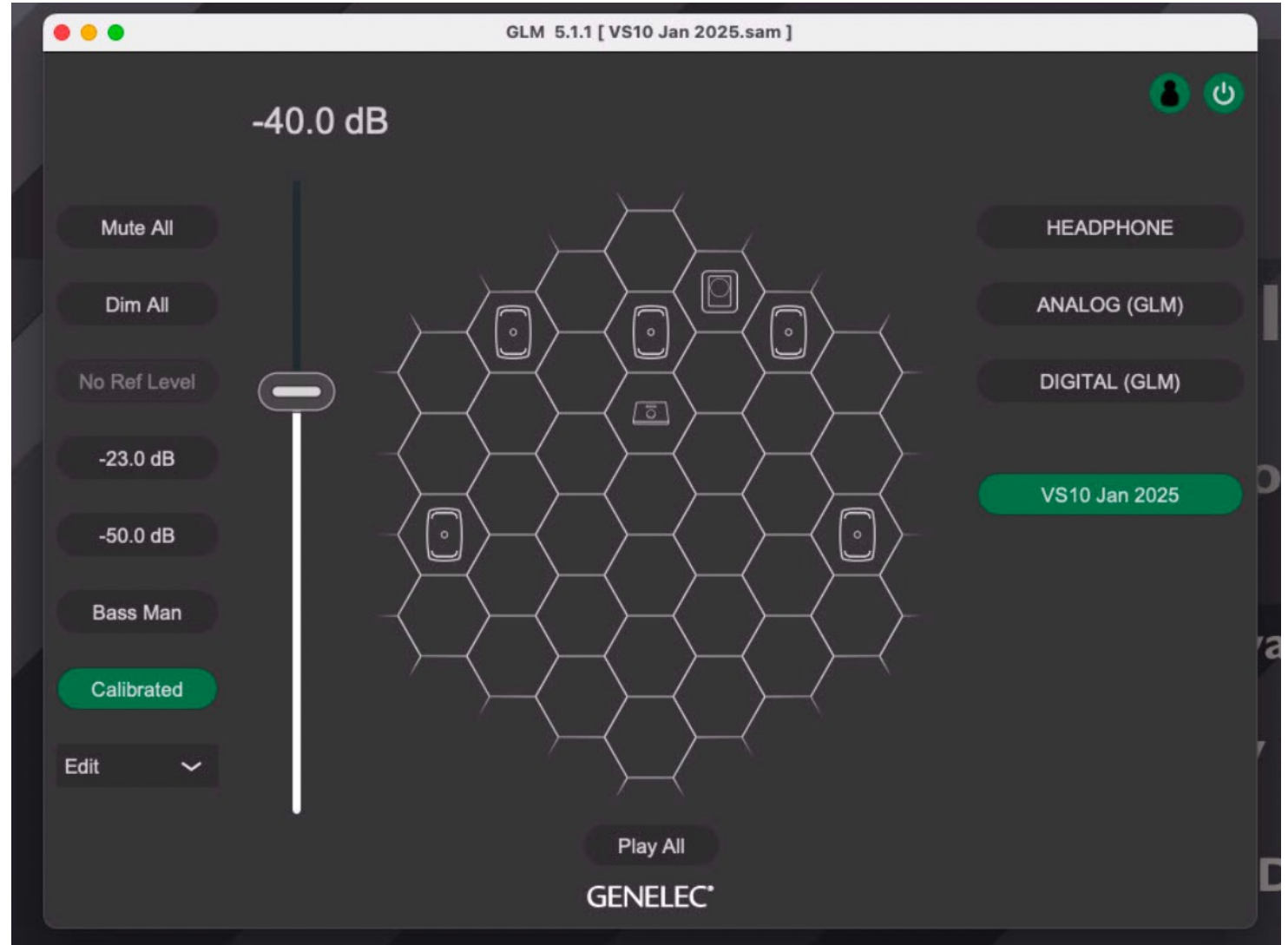


GLM software: loading the calibration file

Open the .sam calibration file in the GLM software.



Then it should look like this:



Multi-Channel Playback

If you require multi-channel playback from a laptop, this is also possible but beyond the scope of this guide.

Request a driver for the AVID OMNI interface from a CDA technician. You must have a laptop with a compatible operating system.

Please contact Phil Hawes: philip.hawes@concordia.ca