

# NT1 5TH GENERATION

STUDIO CONDENSER MICROPHONE

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32-BIT FLOAT RECORDING GUIDE | AUDACITY 3.2.3 | MAC

## STEP 1

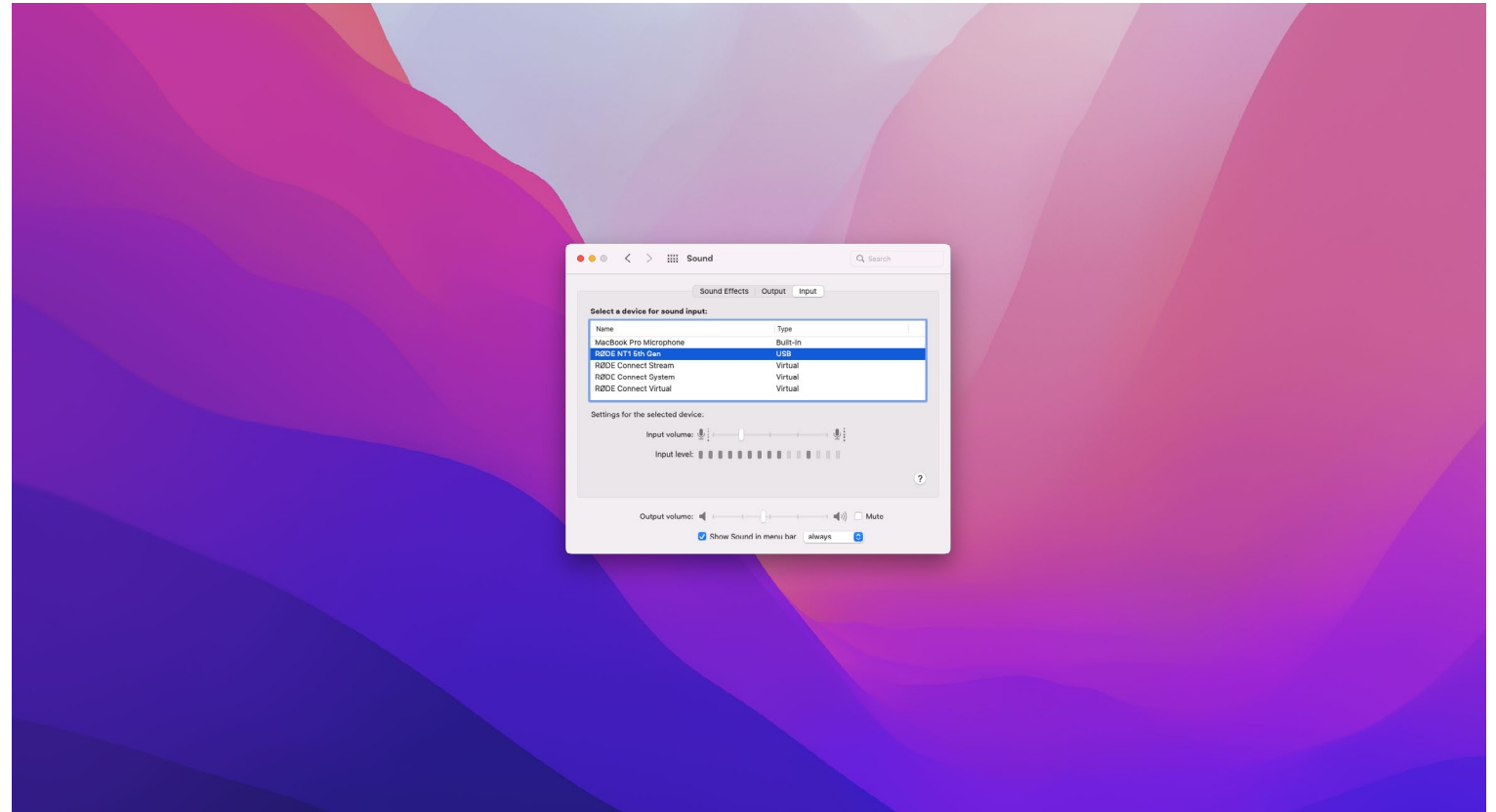
Connect your NT1 5th Generation to your computer via the included USB-C to USB-C cable. If your computer doesn't have a USB-C port, you'll need to use a USB-A to USB-C cable such as the SC18 instead.



## STEP 2

Access your sound settings by navigating to 'System Preferences' > 'Sound' > 'Input' and select 'RØDE NT1 5th Gen'. You can also access this settings panel by clicking the speaker icon in your toolbar and selecting 'Sound Preferences'.

- a. Increase the volume slider until the 'Input Level' meter is getting to around 75% full when you're playing or performing the loudest sound.

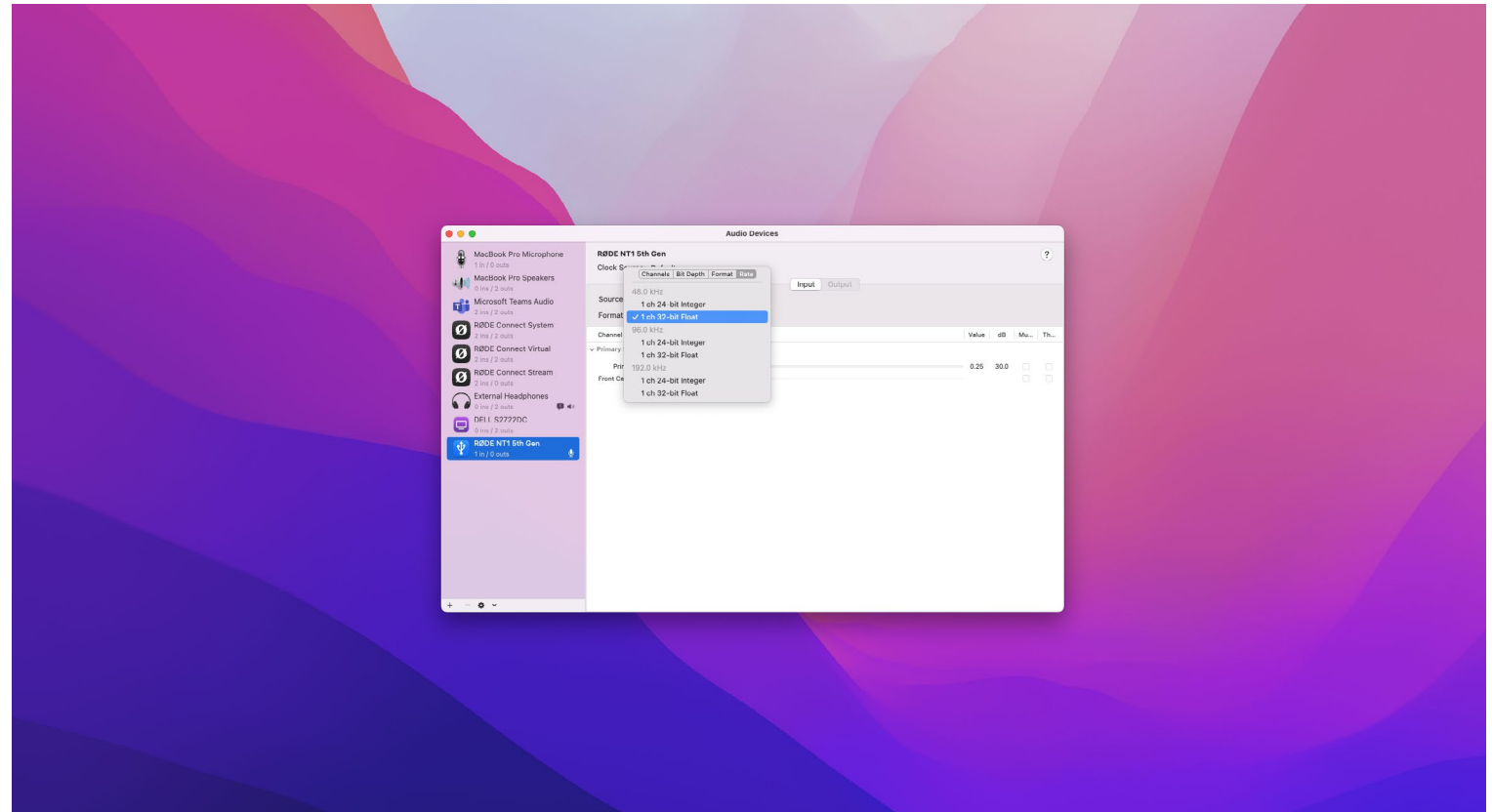


### STEP 3

Navigate to 'Applications' > 'Utilities' > 'Audio MIDI Setup' and select 'RØDE NT1 5th Gen'. You'll notice the volume slider here under 'Primary' will reflect the 'Input Level' we set in the previous step.

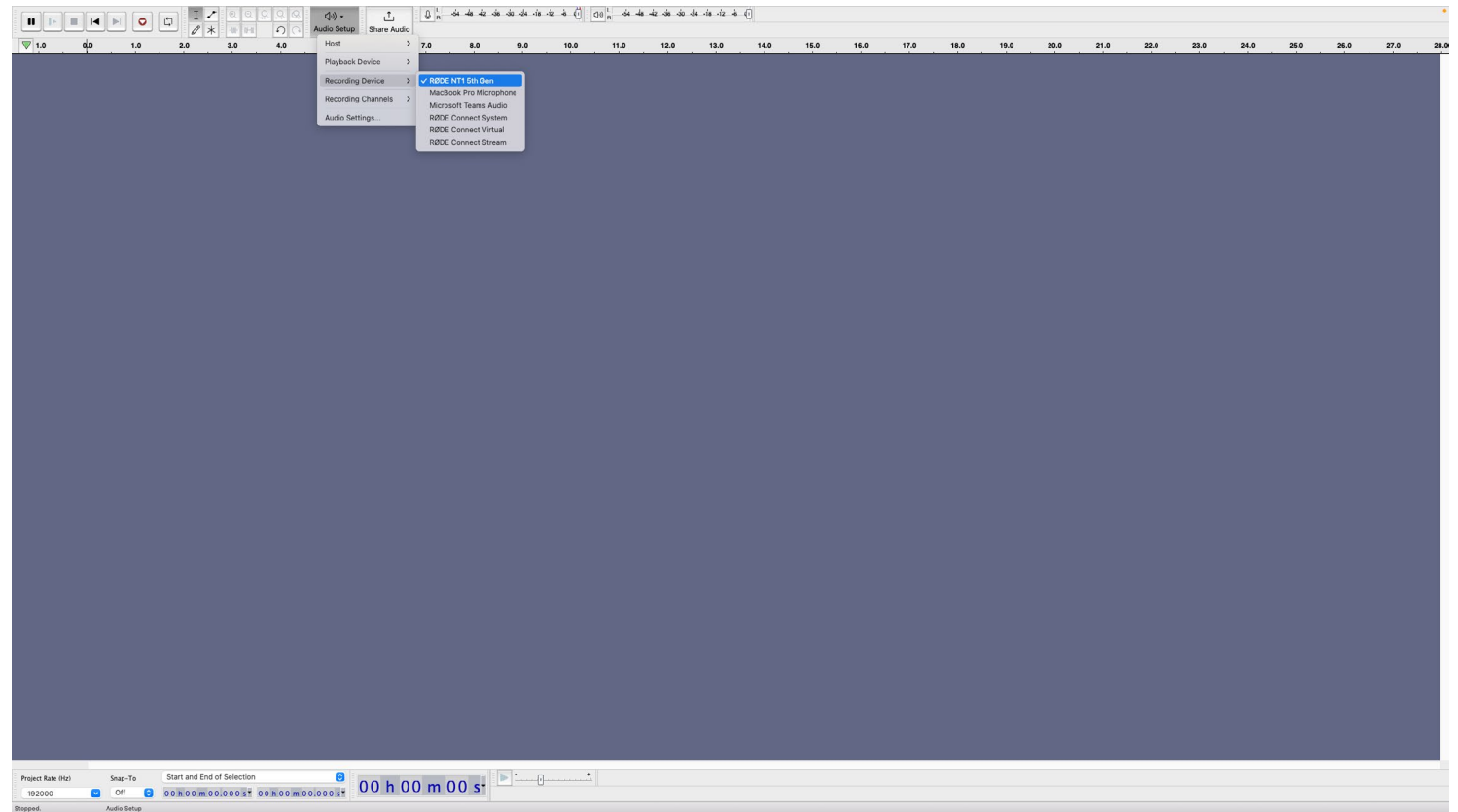
- a. Click the 'Format' dropdown in order to select the sample rate and bit-depth for your NT1 5th Gen input. We recommend selecting 48kHz / 32-bit float.

**NOTE:** You can select up to 192kHz/32-bit, but most computers (including Apple MacBooks and most Windows laptops) have integrated sound cards that can't play back sample rates higher than 96kHz (for modern MacBook Pro laptops) or 48kHz. This means that your audio will still be recorded at this incredibly high sample rate into your DAW, but you will not be able to monitor or play back this audio via headphones plugged into your device. We suggest recording at a standard 48Khz, unless your project specifically requires a higher sample rate.



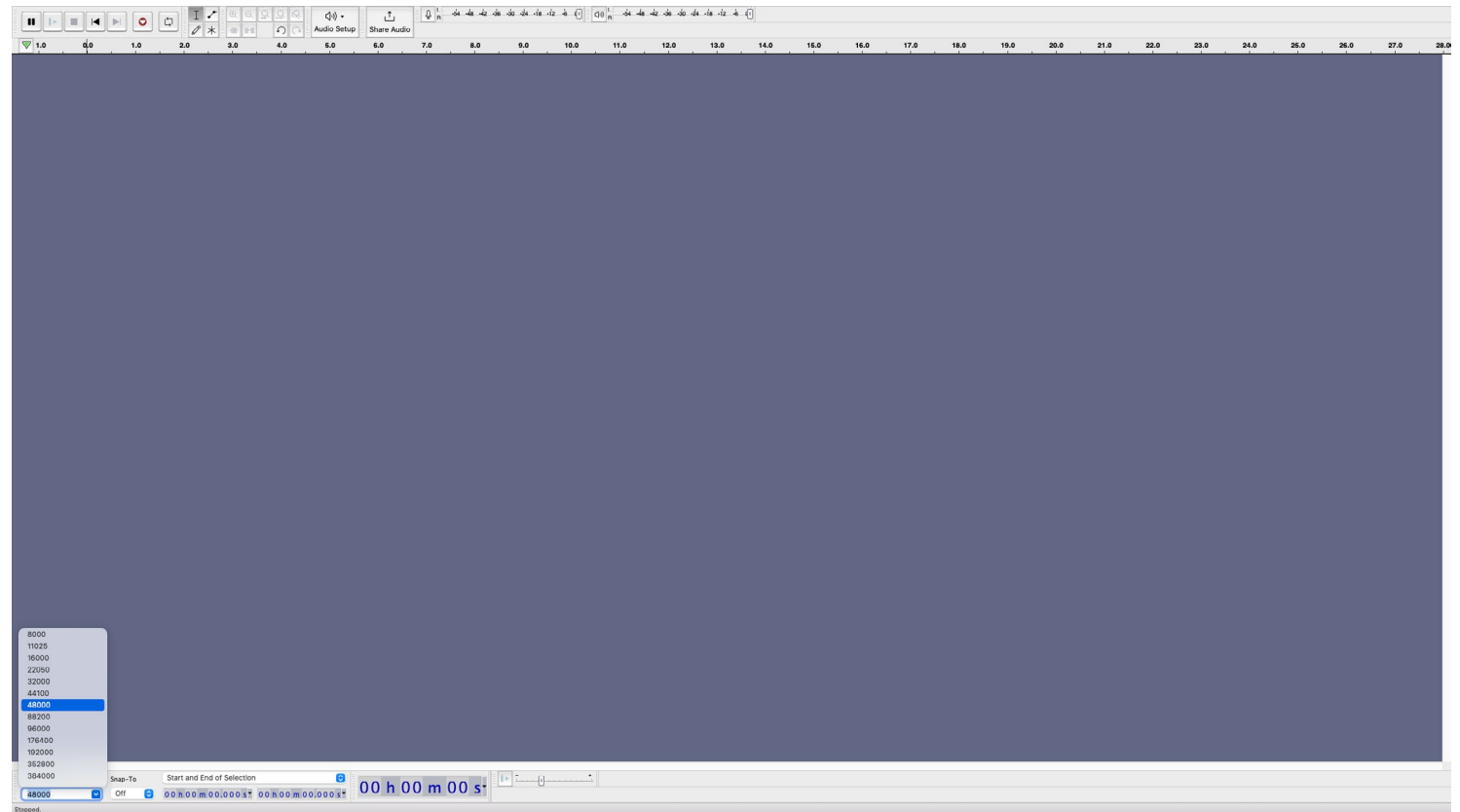
## STEP 4

Open Audacity and, at the top of your screen, navigate to 'Audio Setup' > 'Recording Device' and select 'RØDE NT1 5th Gen'.



## STEP 5

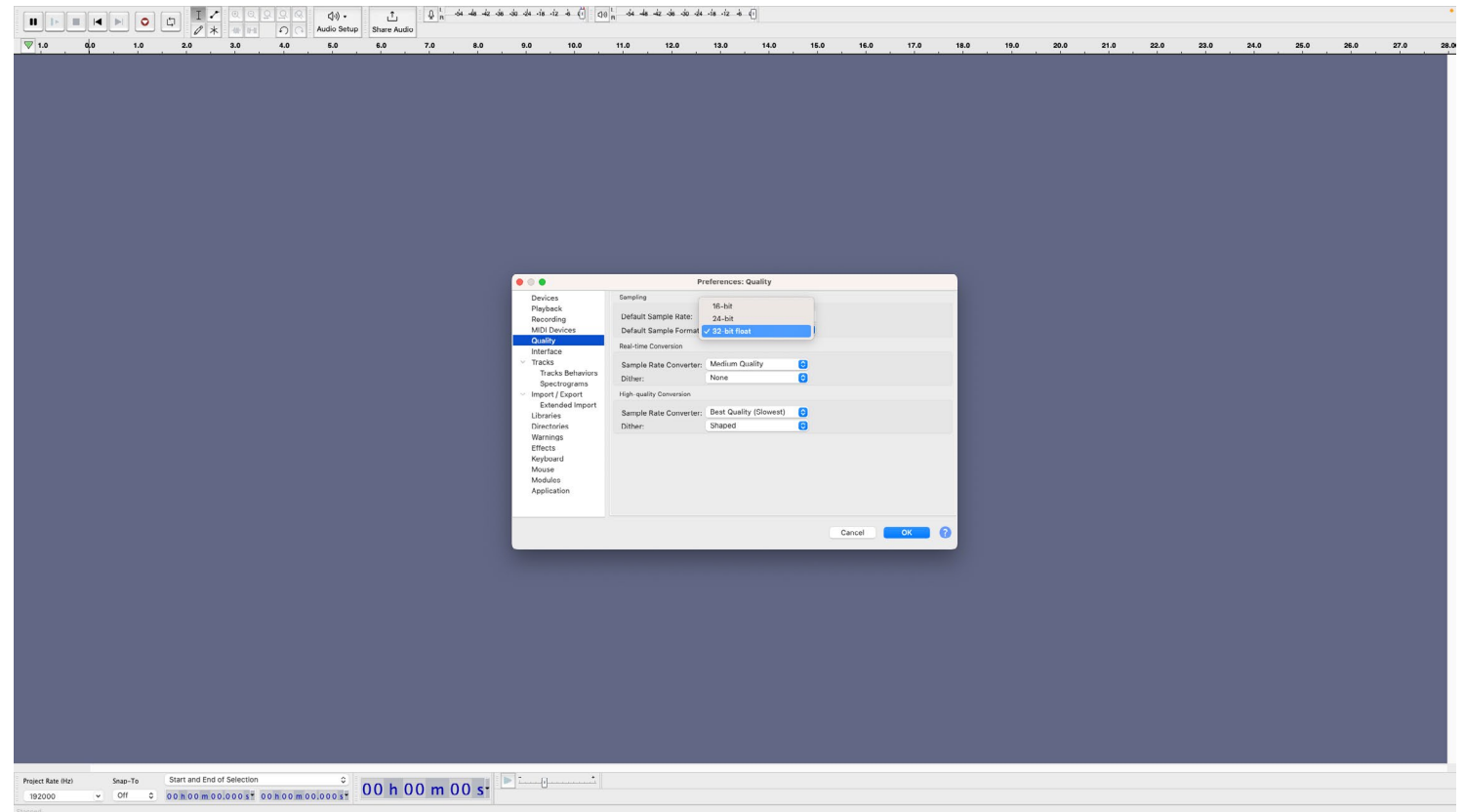
Under the 'Project Rate (Hz)' dropdown in the bottom left of the screen, select the same sample rate you chose in step 3a in the 'Audio MIDI Setup' window (in this case, 48,000 Hz).



## STEP 6

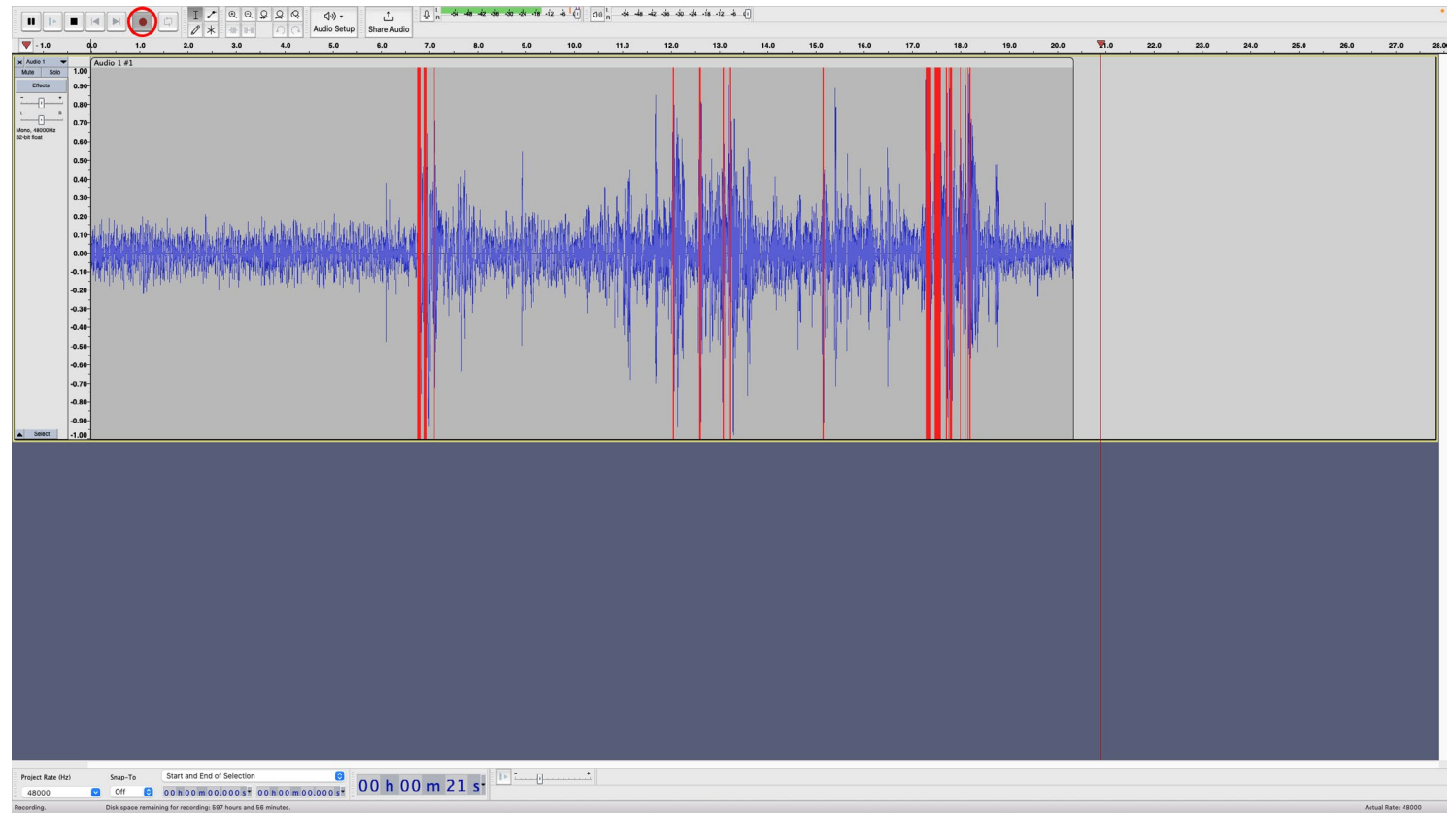
From the top toolbar, navigate to 'Audacity' > 'Preferences' > 'Quality'.

- a. Under the 'Default Sample Format' dropdown, select '32 bit Float'.
- b. Under the 'Default Sample Rate' dropdown, select the same sample rate you chose in step 3a in the 'Audio MIDI Setup' window (in this case, 48,00 Hz).



## STEP 7

Exit the menu and click 'Record' to record your performance. Click 'Stop' when you're done.



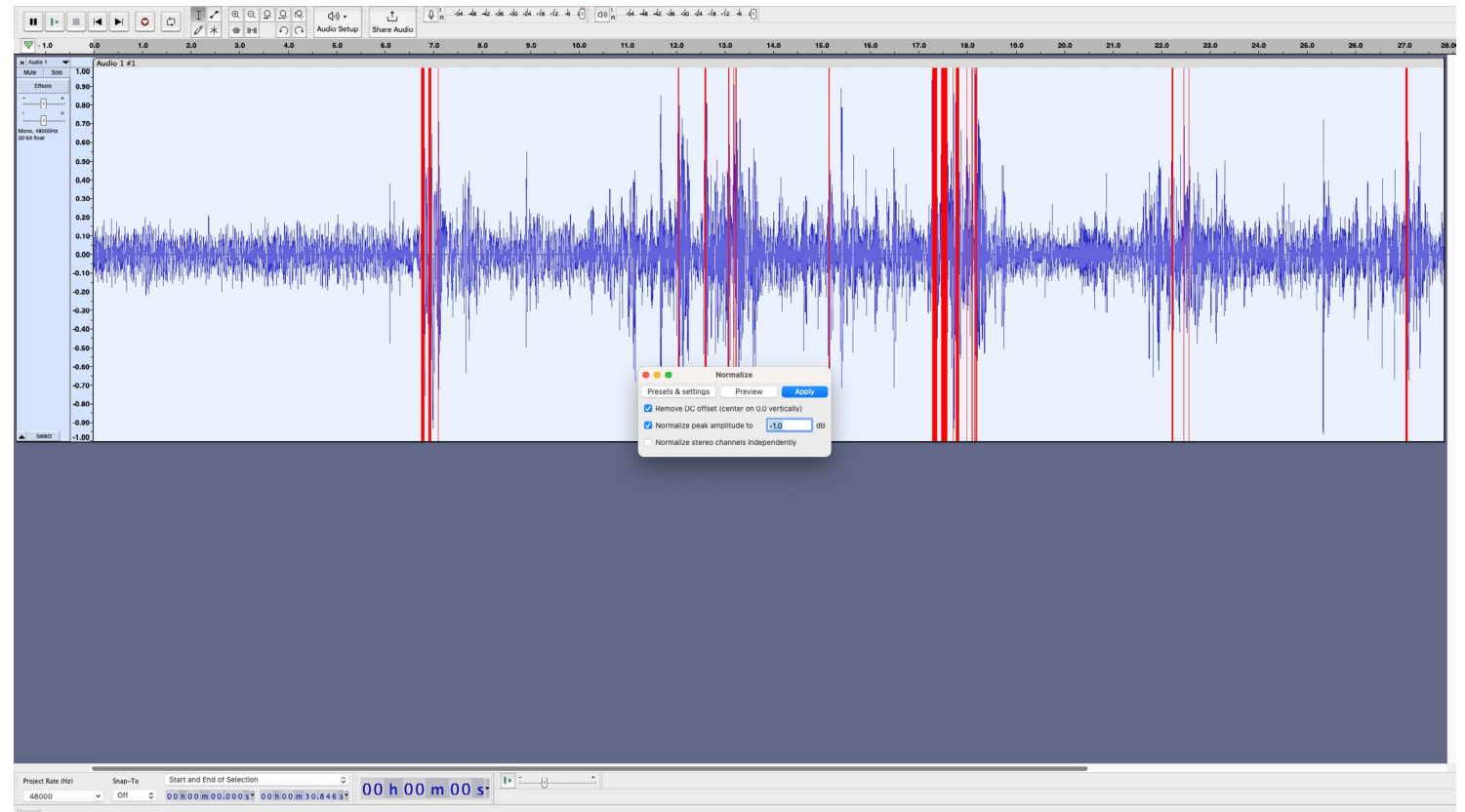


## STEP 8

If your audio clipped while recording, rather than having to re-record the track, you can simply adjust it afterwards to the appropriate level. This is the key benefit of 32-bit float recording.

- Under the 'Default Sample Format' dropdown, select '32 bit Float'.
- From the top toolbar, navigate to 'Effect' > 'Normalize' and click 'Apply'.

**NOTE:** If you'd like the loudest section of your audio to be below -1dB, you can adjust this in the 'Normalize' pop-up window by changing the '-1.0dB' value to a lower value (-3.0dB, for instance).



## STEP 9

After normalizing, you will notice the track's waveform has decreased in size and the previously 'clipped' audio information is still intact.

**NOTE:** This post-recording gain adjustment can also be applied to tracks that are too quiet by following the same process.

