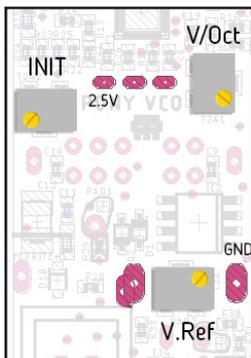
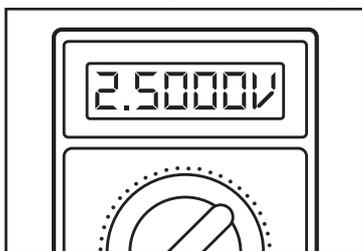


CALIBRATION



1- Take a look to the back of the module where you should see three Trim-pots. The bottom right one is V-Ref, and the upper ones are Init (left) and V/Oct (right).

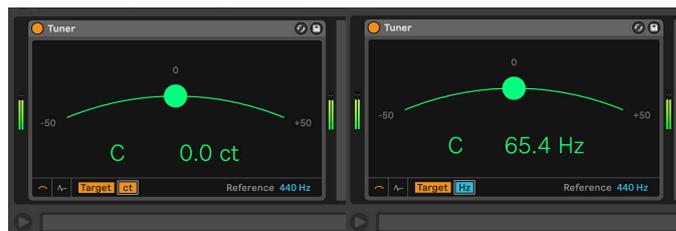
2- Pick your multimeter and select DC Voltage mode (typically marked as V=). Connect the black probe to a Ground point (you can use the sleeve of patch cable connected to any other module) and place the red probe touching the point marked.



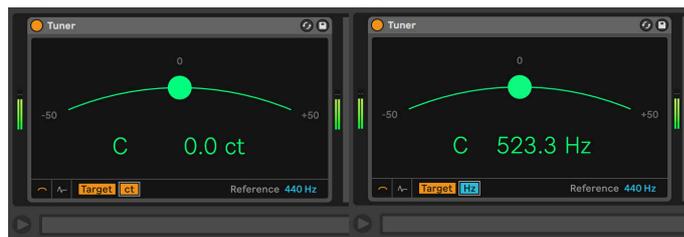
You should read a value around 2.5V. Adjust carefully V-Ref trim-pot till you see 2.500V exactly. If you have a good multimeter (6000 counts or more) that shows you 4 zeros, you will be able to adjust this even more accurately.

3- Place the Freq Pot in the middle position, the Octave switch to the second position (C2) and the Timbre slider to the minimum position. Select the Sine waveform and put the Range switch on the Semitone Range position. Double-check all the controls and if all is in its right spot, go to the next step. During the next two steps, be sure to not move Freq and Timbre controls. As those controls affect the frequency, any move on them will affect your readings.

4- Connect the output of the module to the input of your Tuner and check the note that it shows you. Should be close to C2. Adjust the Init trim-pot till you get C2 and 0 cents.



5- Move up the Octave switch to the fifth position (marked with 0 on the front panel) and check the Tuner. The note should be close to C5. Adjust the V/Oct trim-pot carefully



till you get C5 and 0 cents.

Come back to the C2 position on the Octave switch and check the tuner. If it shows you an accurate C2 (between 0-5 cents), check the rest of the octaves. You should get a C1 to C7 with similar accuracy. If not (which would be the most regular case), repeat steps 4 and 5 till you get good accuracy on every octave. This process is based on iterations of steps 4 and 5 so don't worry if it takes a bit to get the right tuning. The number of iterations needed to get a good calibration is different in every unit.