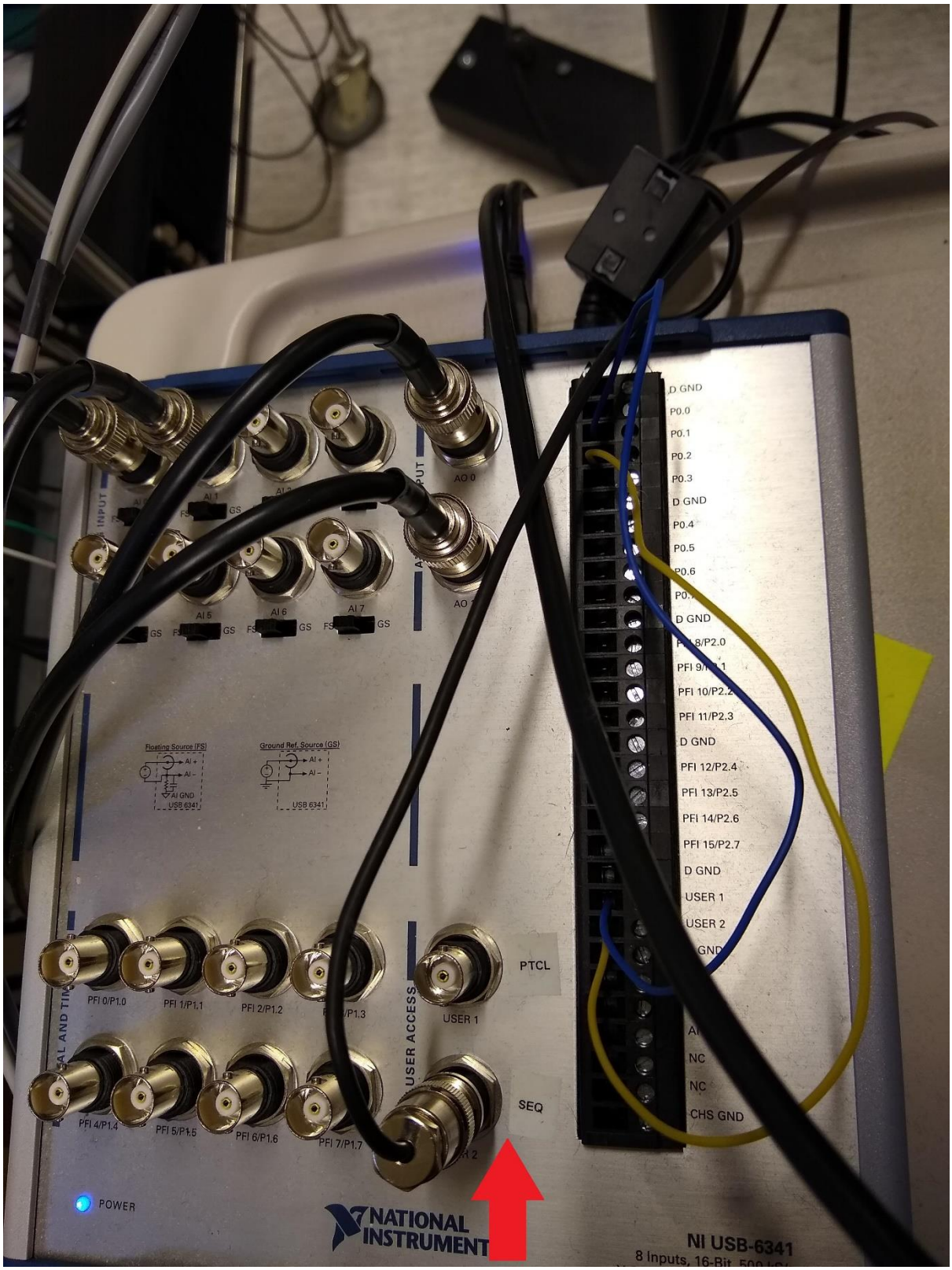
Set up before the experiment

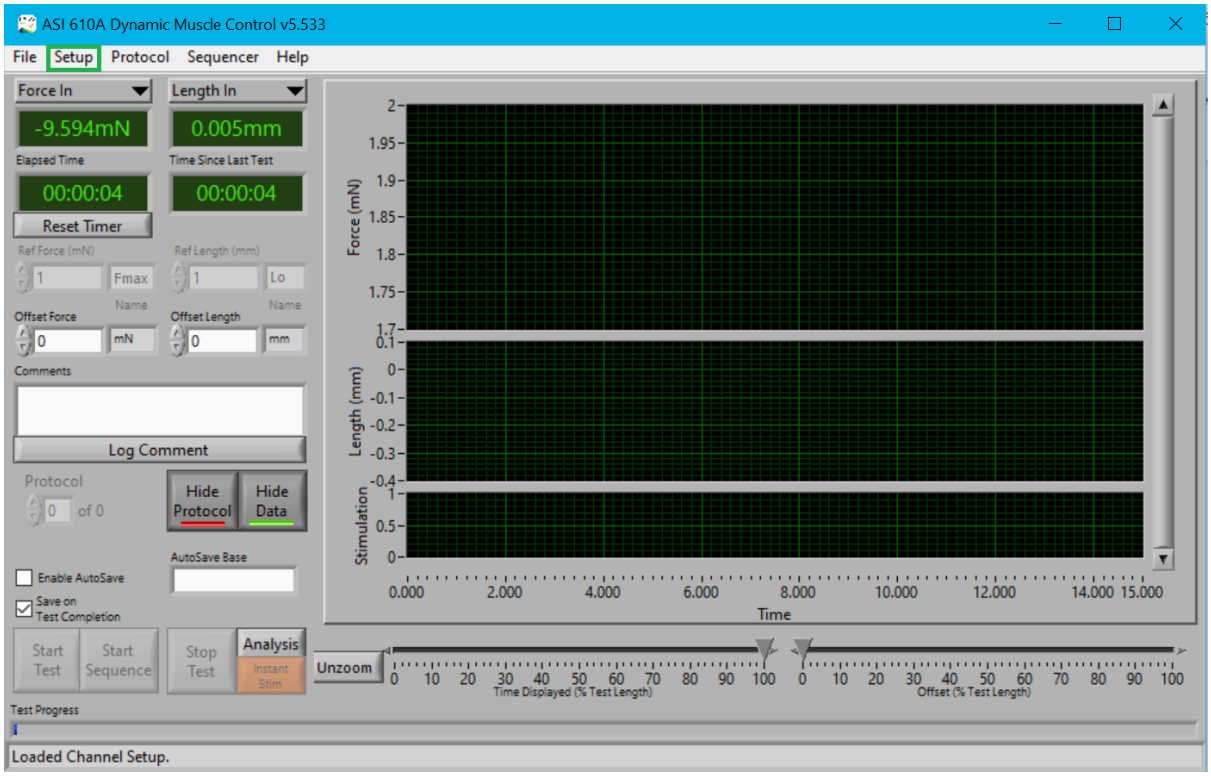
AURORA PART

1. Turn on National Instruments DAQ. Make sure the trigger cable from the motor is connected.

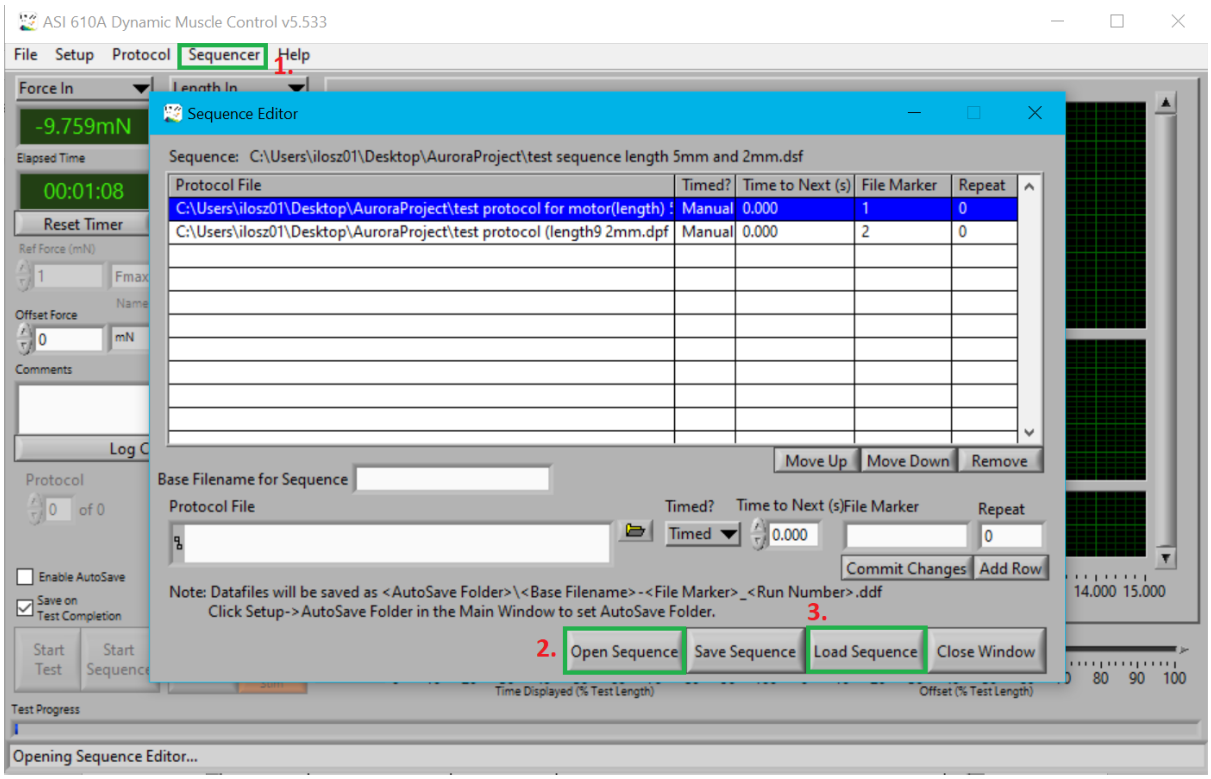


2. Turn on Aurora

3. Start DMCv5.533
4. From the “Setup” drop down menu, check “Enable Input Triggers” and choose your “AutoSaveFolder”

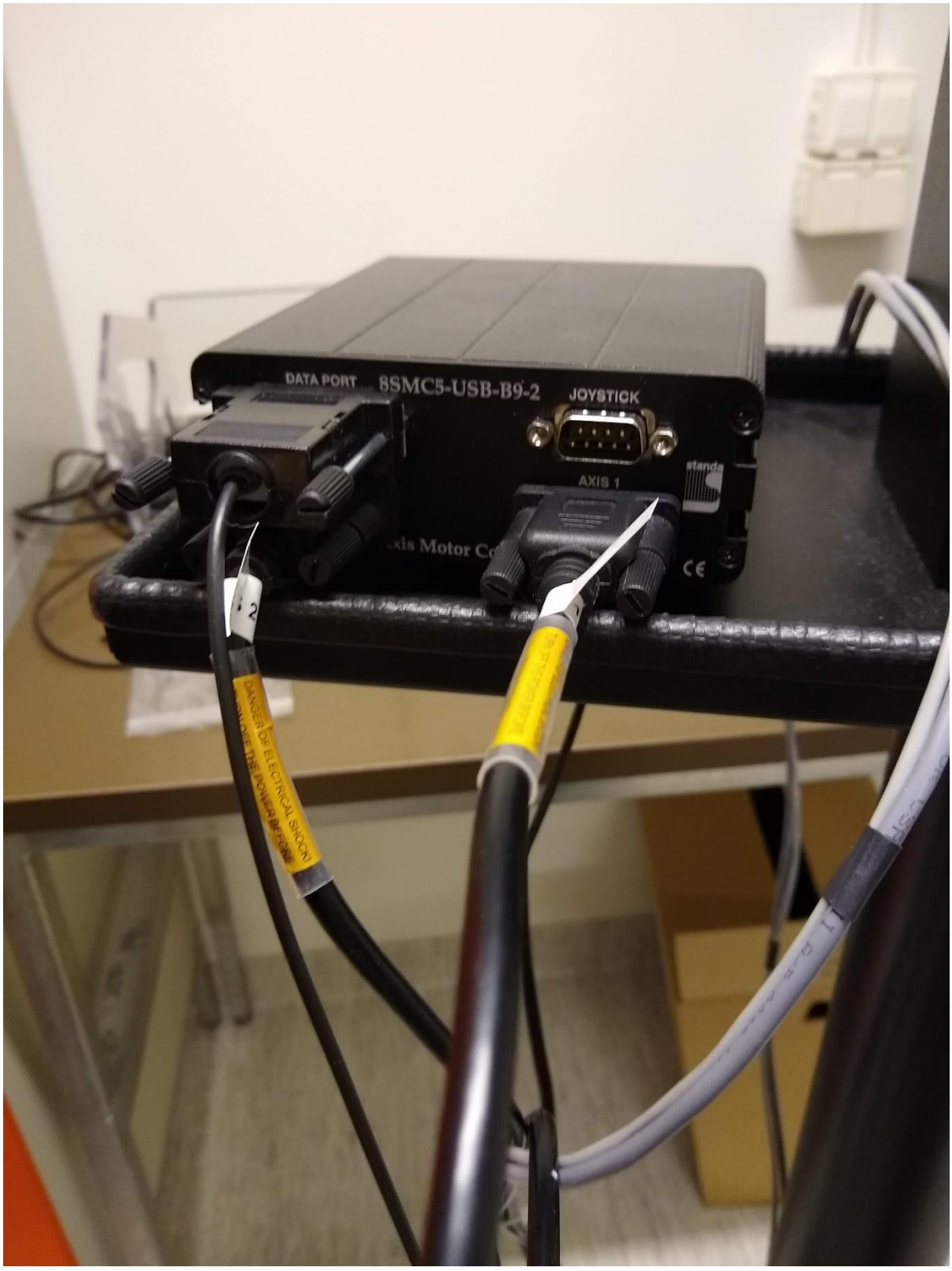


5. Click on “Sequencer” (1.), open a sequence file (2.), and load that sequence file (3.)

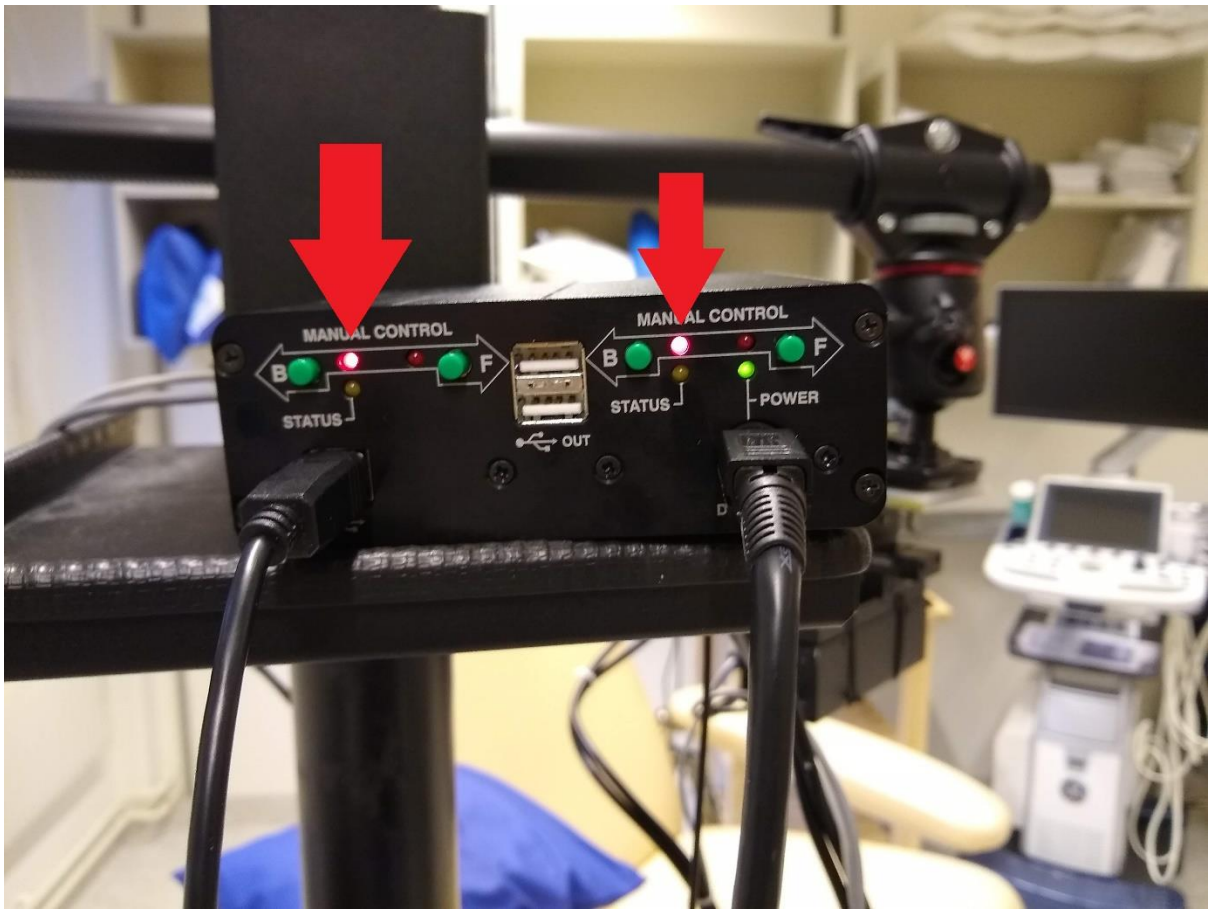


MOTOR PART

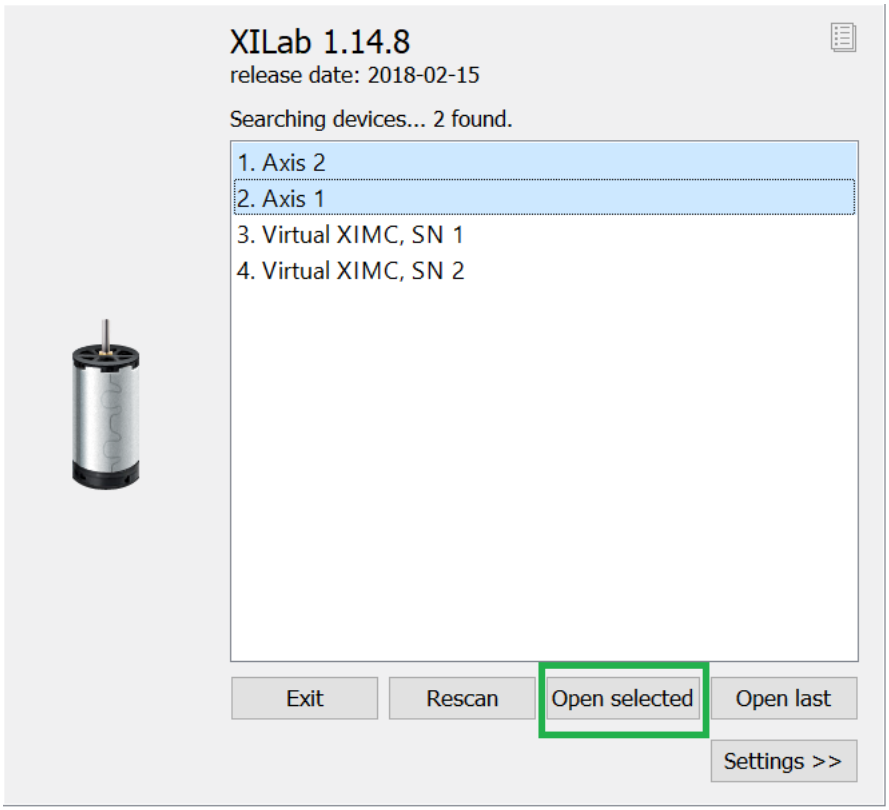
1. Connect the motor (correct axis cables). Make sure it is powered (power cable) and connected to the laptop (USB cable)

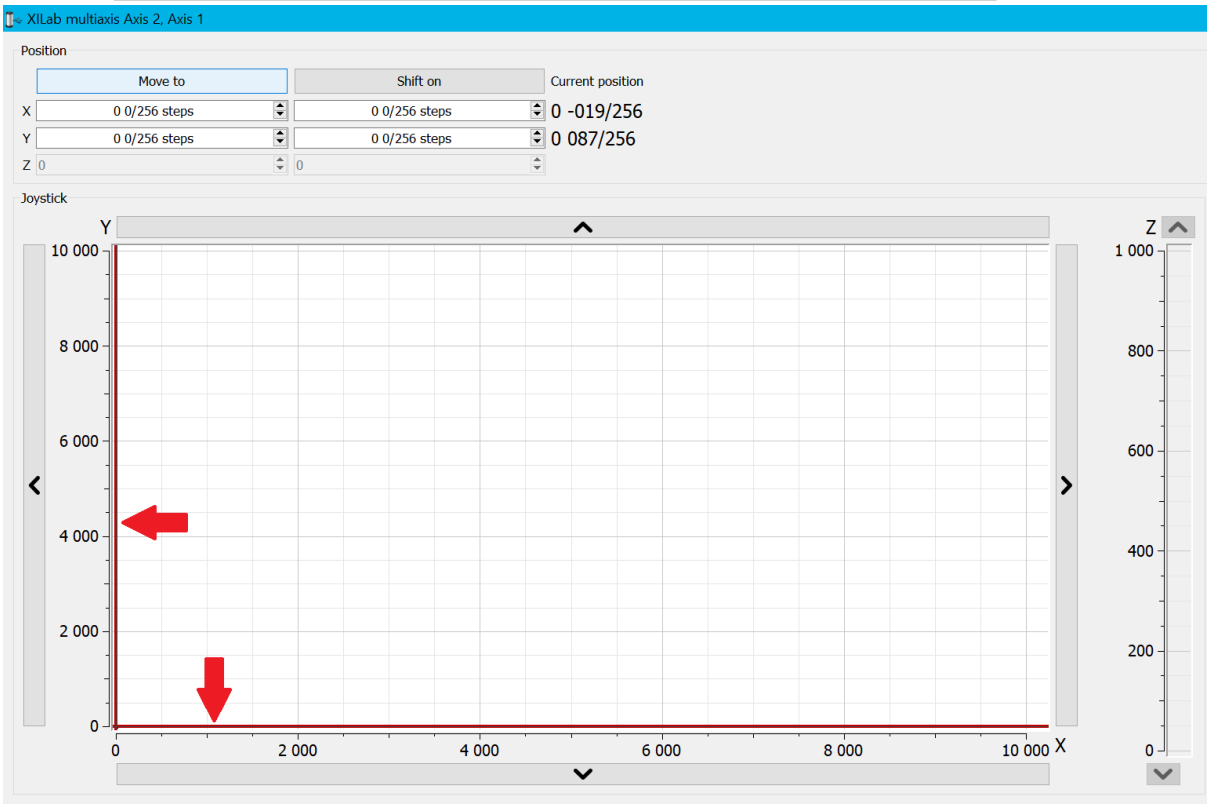


2. Make sure that both axis are in the leftmost positions (if they are, you will see red LED light next to B for both axis). See photo below:

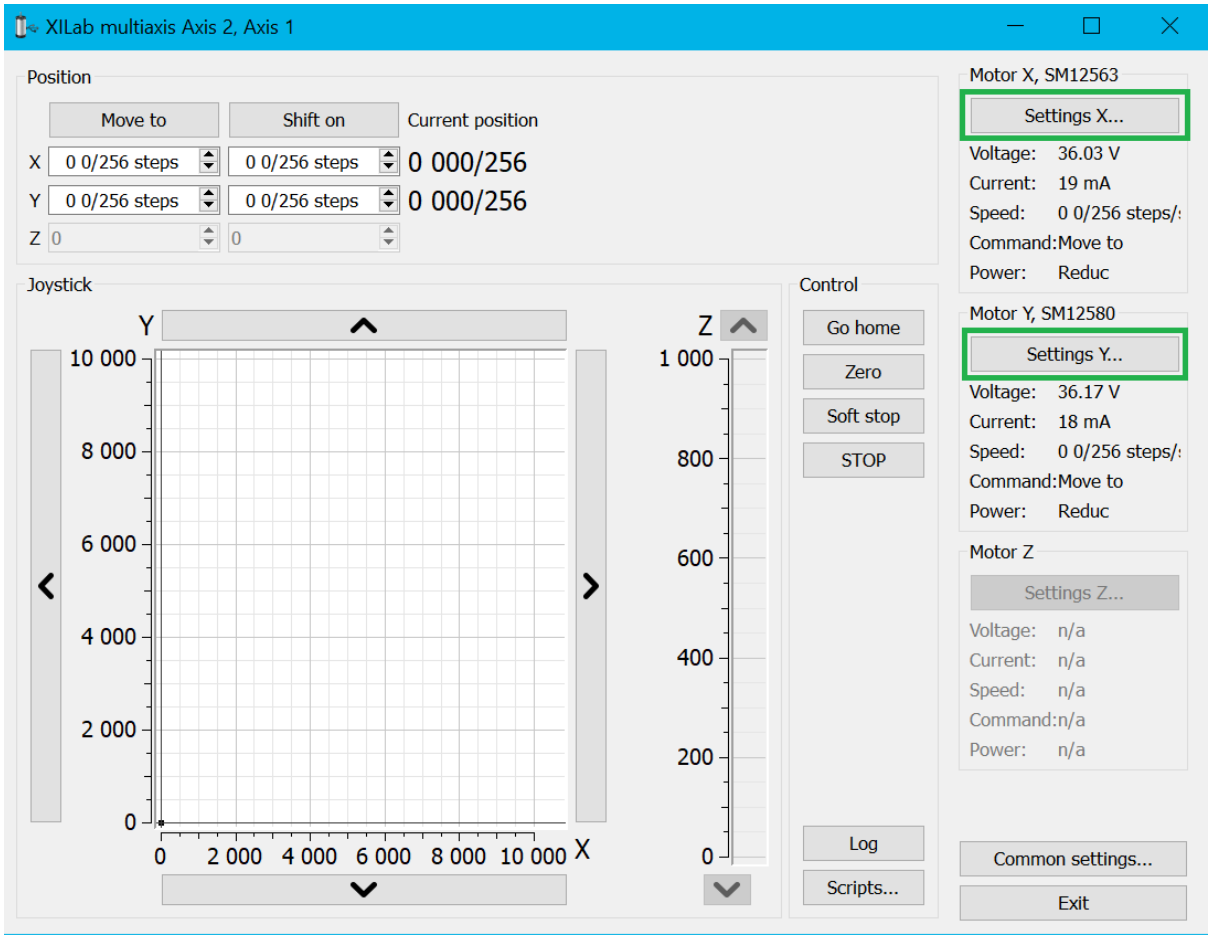


3. You can verify in Start XILab Optional). Select both axis (Axis 1 and Axis 2) and click “Open Selected”

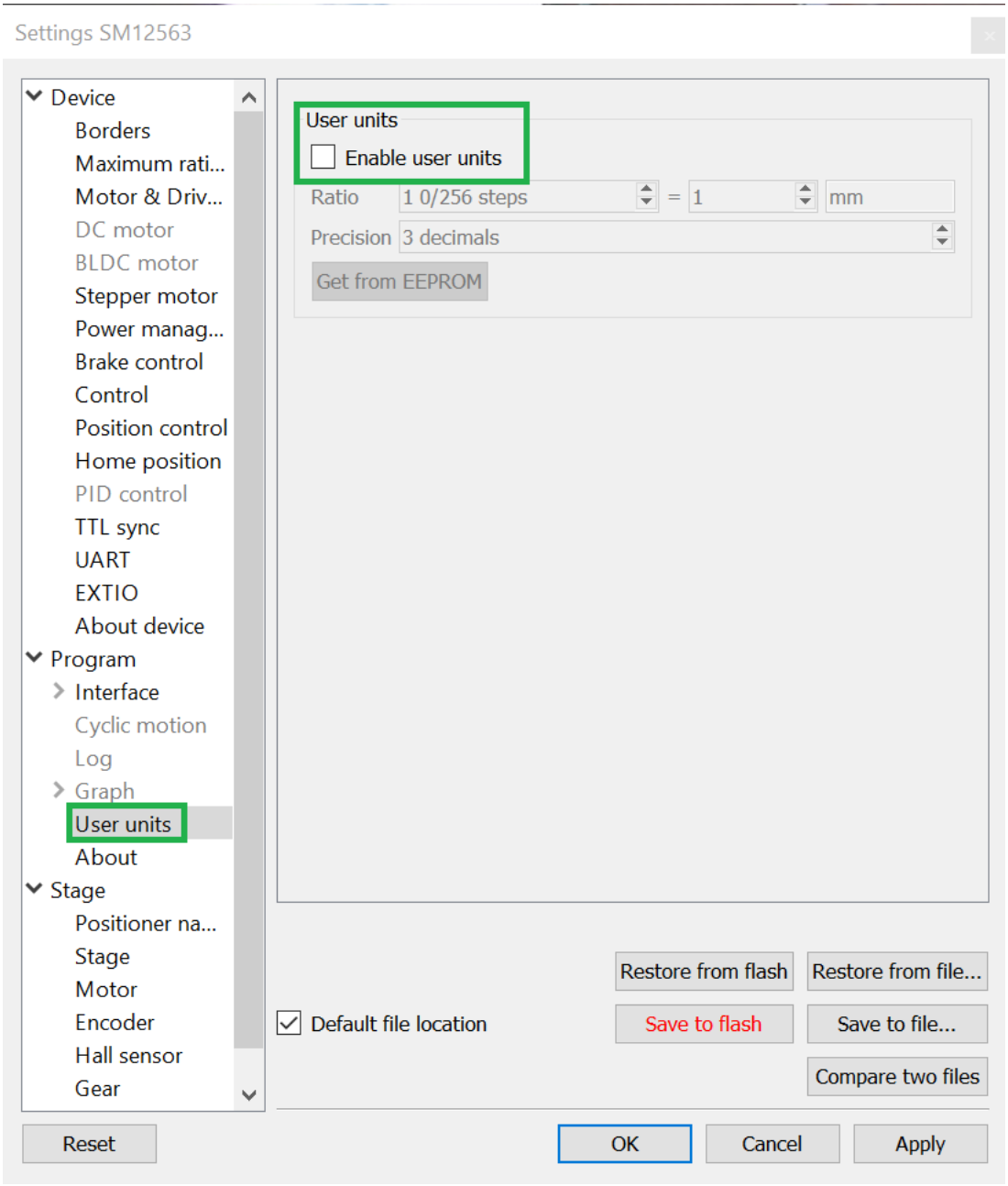




4. If you haven't used XILab for a while, or don't know if anyone used it in between sessions, check the settings of both axis.



The “User Units” check box should remain unchecked.



You can always restore all settings from a factory default xilabdefault.cfg file by clicking “Restore from file”. It should be located under C:\Program Files\XILab . Whatever you change, remember to do this for both axis. And do not forget to click “Apply”.

5. Close XiLab. (The python app will not be able to control motor if the XiLab is open)