**How to fix if the X-axis or Y-axis cannot move when test home?**

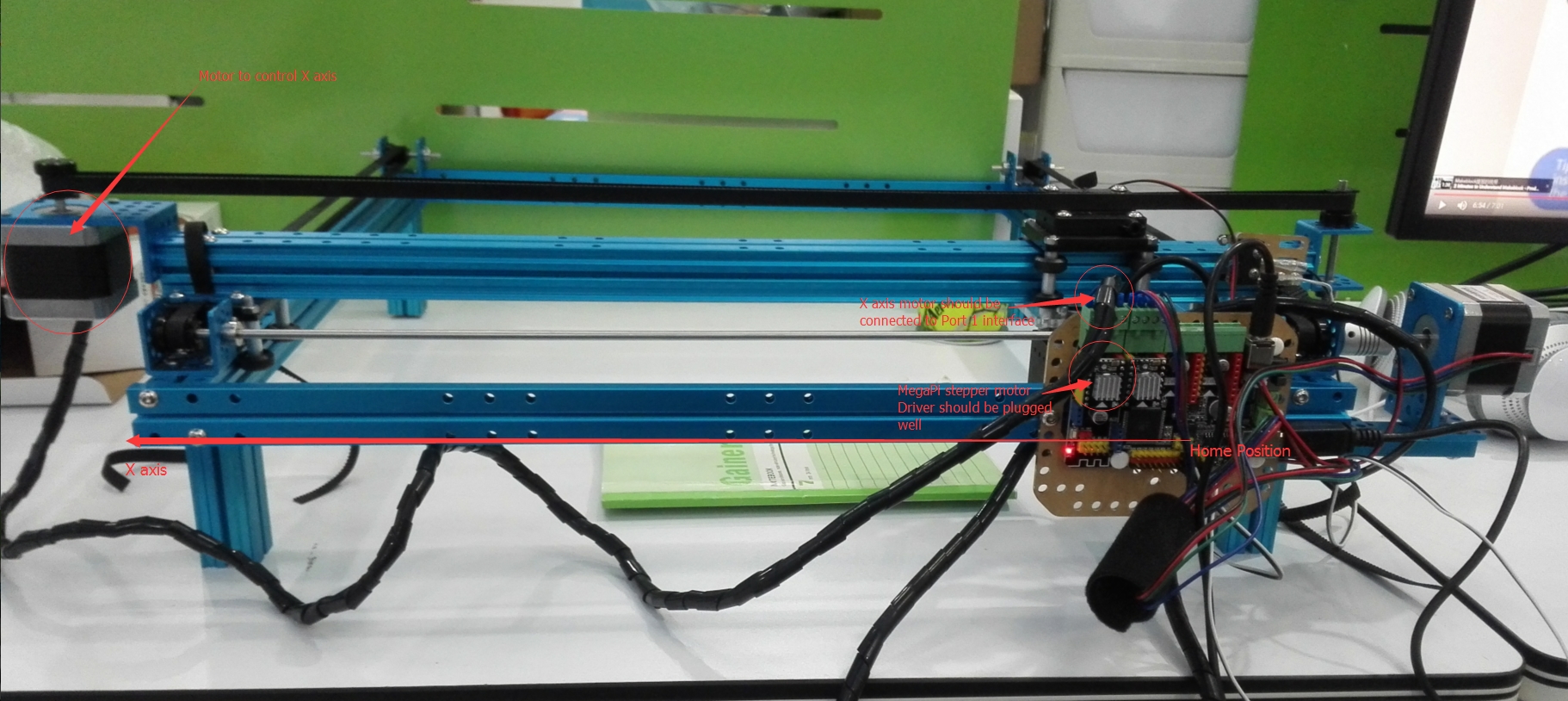
Issue: The X-axis or Y-axis cannot move while clicking the home button on mLaser.

Part I. Wiring

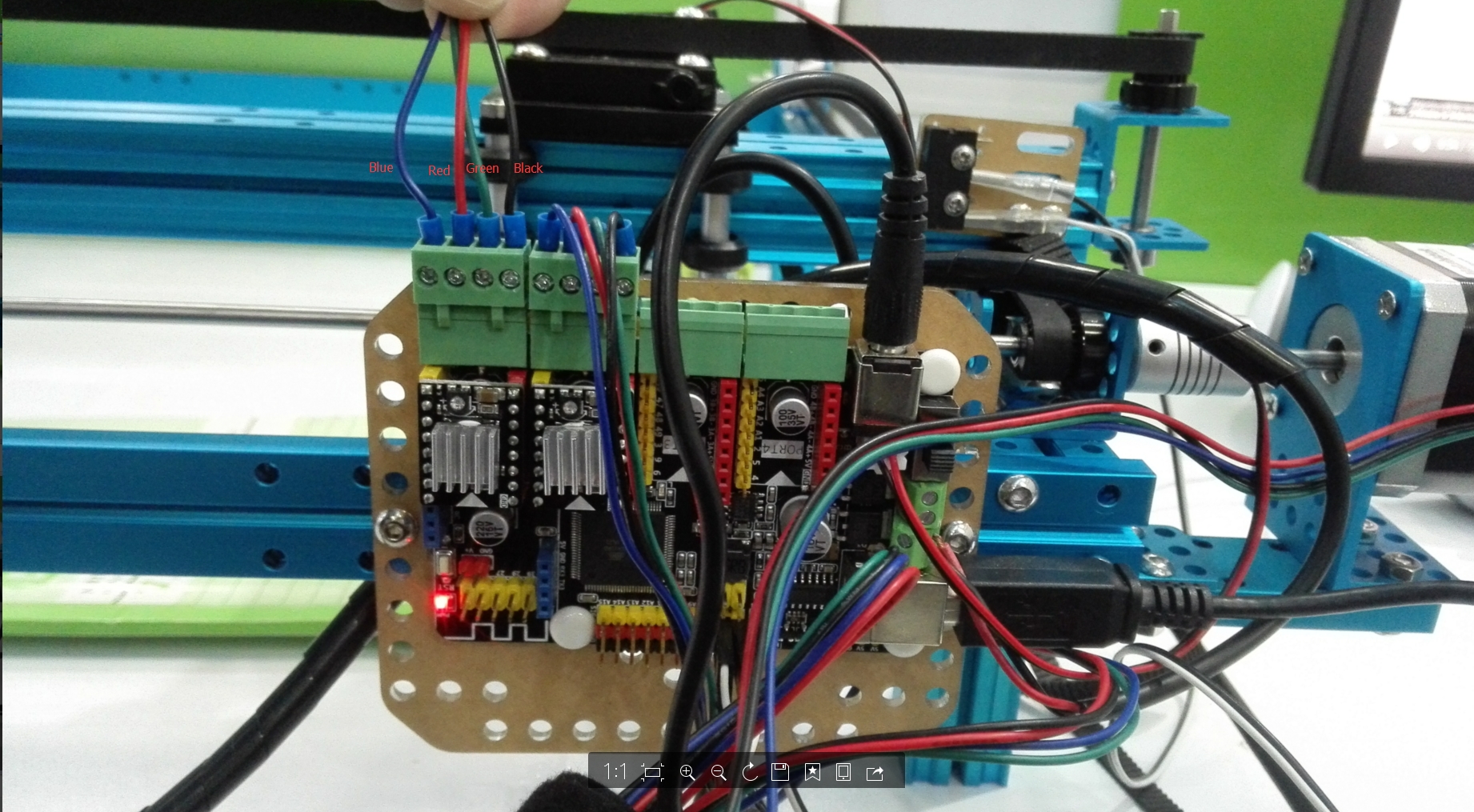
1.  Make sure the motor which control X axis is connected to correct motor port (**Port 1**) on MegaPi. The motor which controls Y-axis is connected to **Port 2** on MegaPi.

2. Make sure the wire connection is plugged into the particular port properly without loose.

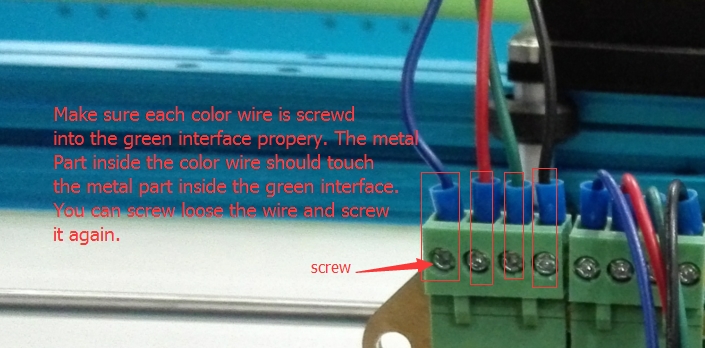
3. Make sure the MegaPi stepper motor driver is plugged well. You can re plug it have a try.



4. Make sure the line order of the color wires for the motor is inserted correctly.

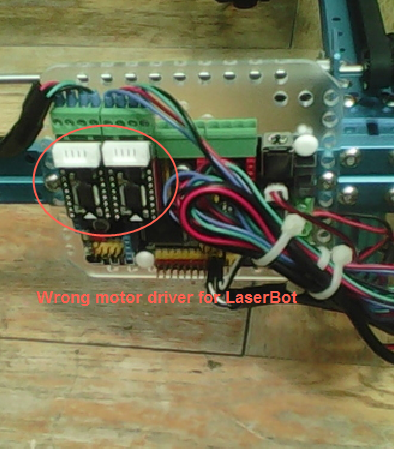


5.  Make sure you have screwed each color wire into the hole on green interface properly:

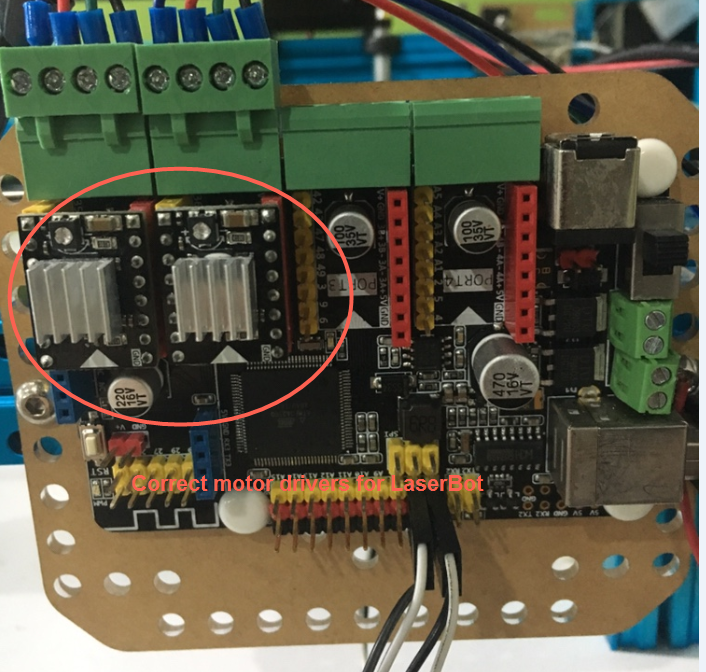


6. If you have other Makbelock’s drivers which didn’t come with the LaserBot kit, please check if the LaserBot has been supplied the wrong motor driver.

1. The picture shown below shows that the LaserBot has been supplied with encoder motor drivers. The correct motor driver for LaserBot is called MegaPi [Stepper Motor Driver.](http://www.makeblock.com/megapi-stepper-motor-driver)

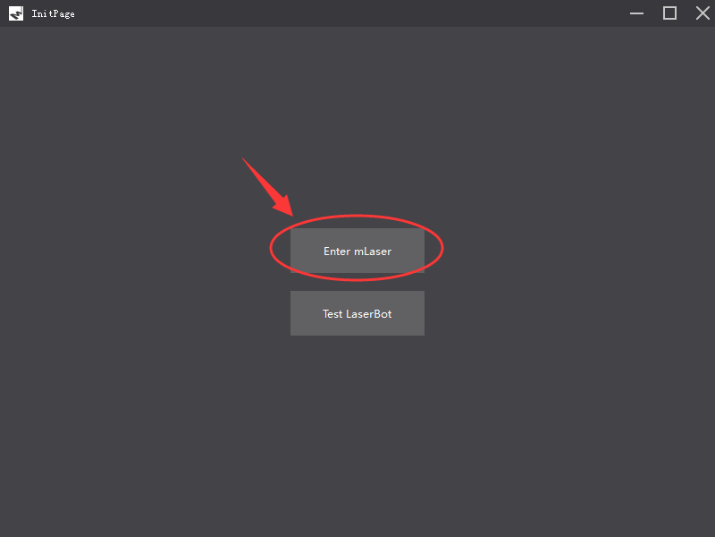


1. The picture below shown the LaserBot has installed the correct stepper motor drivers.

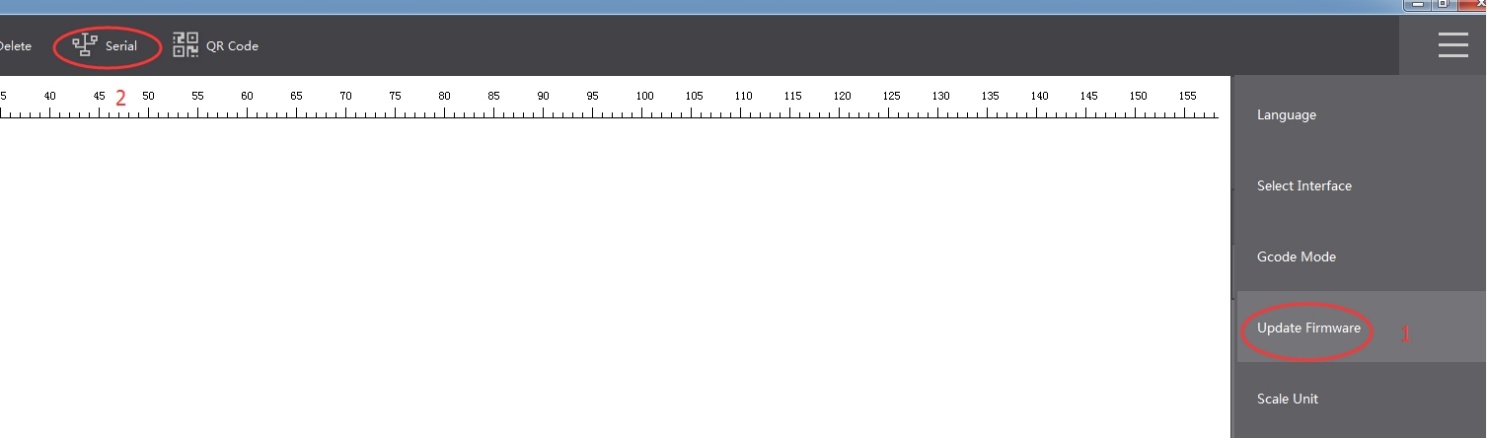


Part II. Testing on mLaser

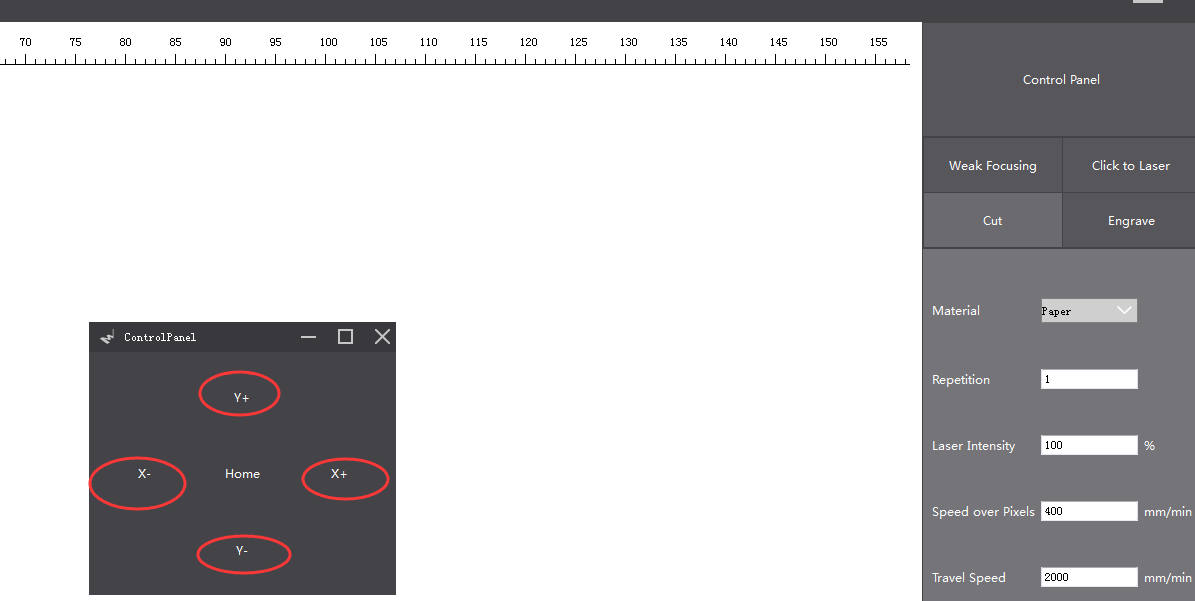
1. Click "Enter mLaser"



2. After update firmware successfully, remove the USB cable. Open mLaser again, connect serial port on "Serial" until it shows connected.



3. Click "control panel," then click Y+, Y-, X+, X-, check if the laser head could move to the expected direction. If one of them doesn't move, then swap the driver to do the test again.



If it is still the same issue, please take a video to record how the LaserBot behaves and send it to [tec-support@makeblock.com](mailto:tec-support@makeblock.com)