

# Suspicious cable procedure

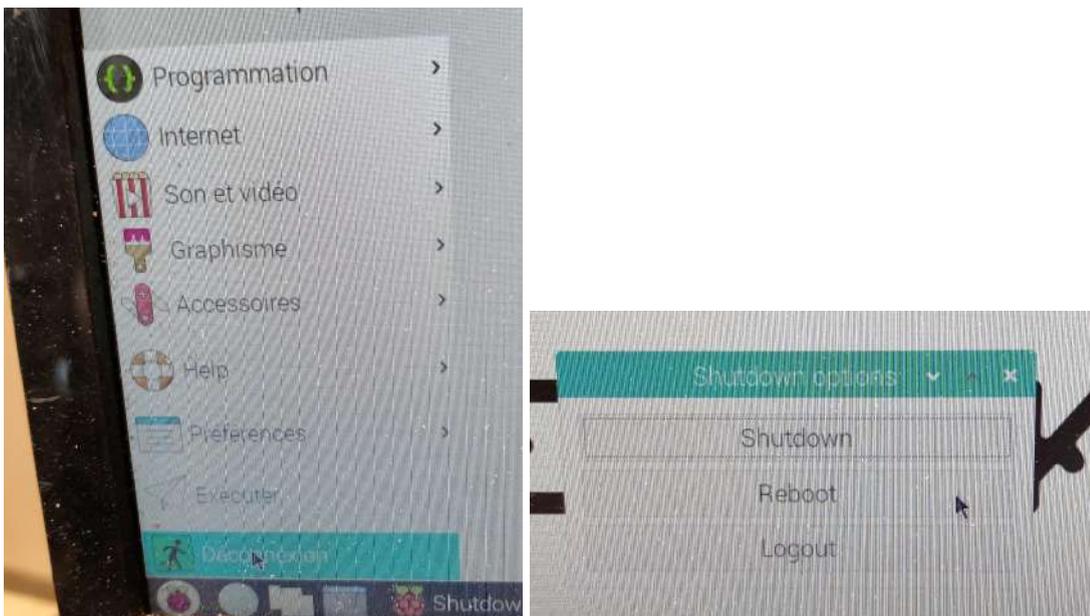
**Note:**

It is very important to **never** unplug/plug a cable when the power is on!

This might lead to severe damages on the machine and will result in losing your warranty.

## Y axes

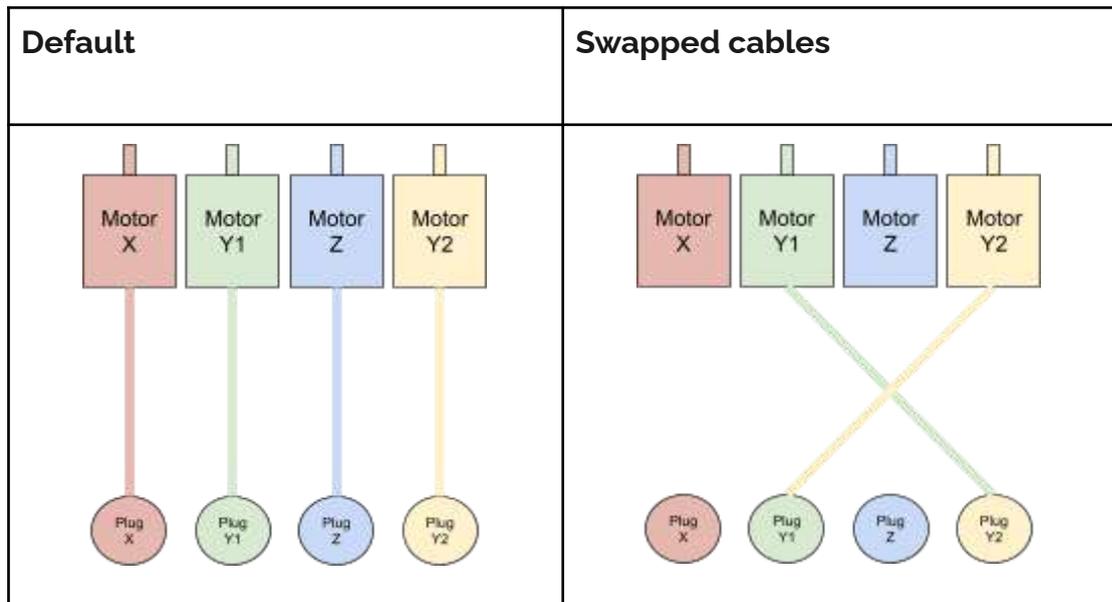
1. Shutdown your Raspberry Pi.



2. Switch off the power.



3. Swap both Y connectors to match the following drawing

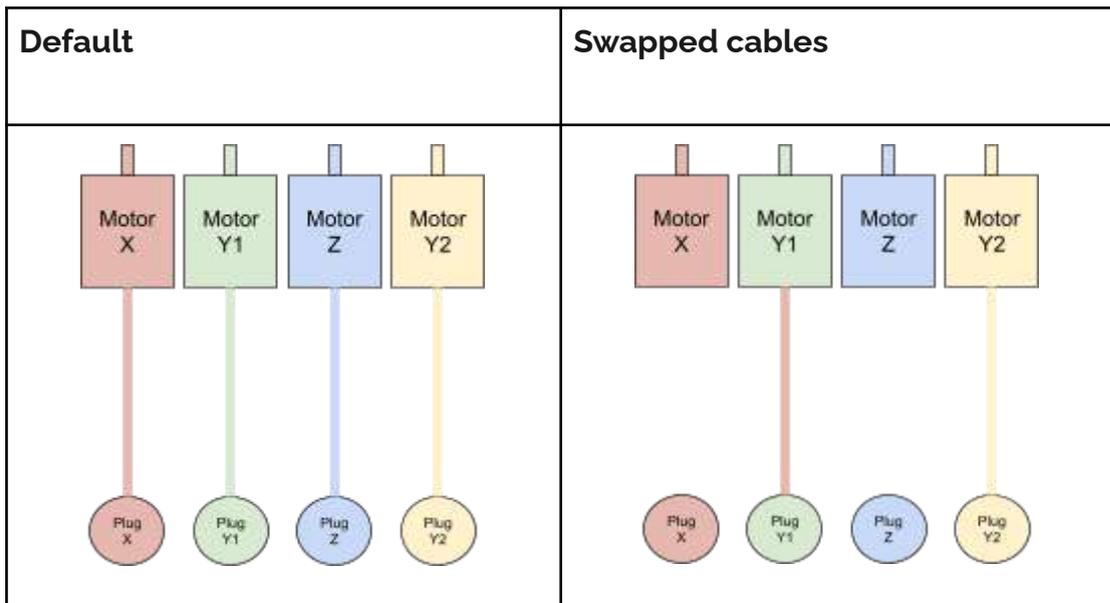


4. Switch the power back on.



5. Try to move in Y using the jog in PlanetCNC.
  - a. Same results? The problem is probably on the motor.

**After shutting down the Raspberry and switching off the power,** check that no wires are coming loose between the motor and its black connector, please contact us to get more support.
  - b. Defect translated on the other Y axis.
    - i. **Shutdown your Raspberry Pi and switch the power off.**
    - ii. Unplug Y1- Y2 & X. Use the X cable to replace the suspicious Y Cable.

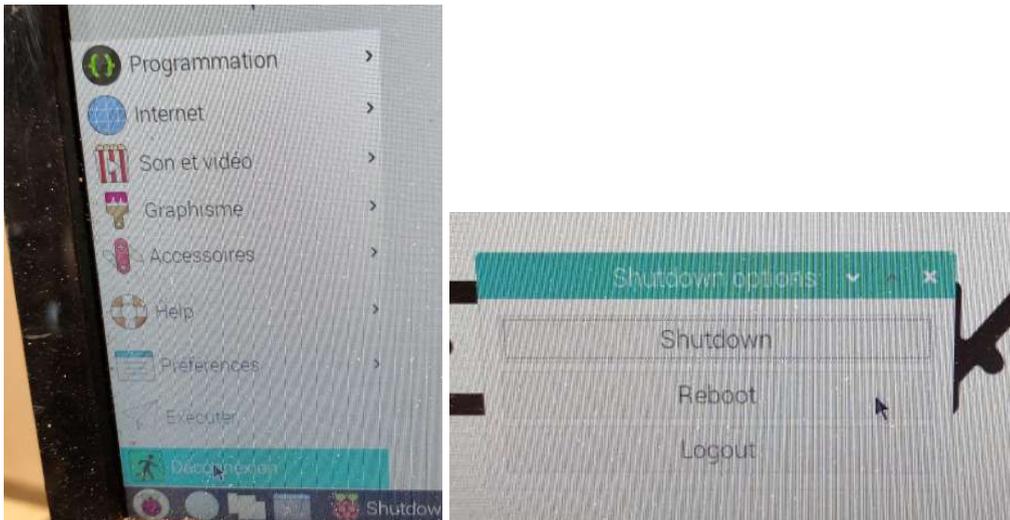


- iii. Switch the power back on.
- iv. Move Y:
  - (1) Solved ? Your cable is probably damaged, contact us for more support.
  - (2) Still problematic? Please contact us to arrange the return of your Control Unit.

## Z- axis

Note: You can transpose the article to the X axis if needed.

1. Shutdown your Raspberry Pi.

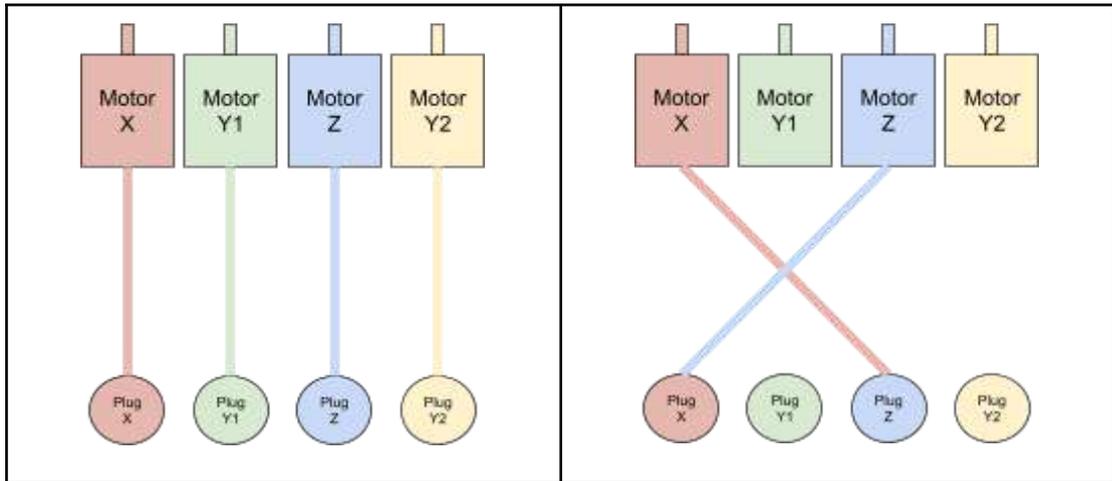


2. Switch off the power.



3. Swap the X and Z cables

Default	Swapped cables



4. Switch the power back on.



5. Try to move in Z using the jog in PlanetCNC.

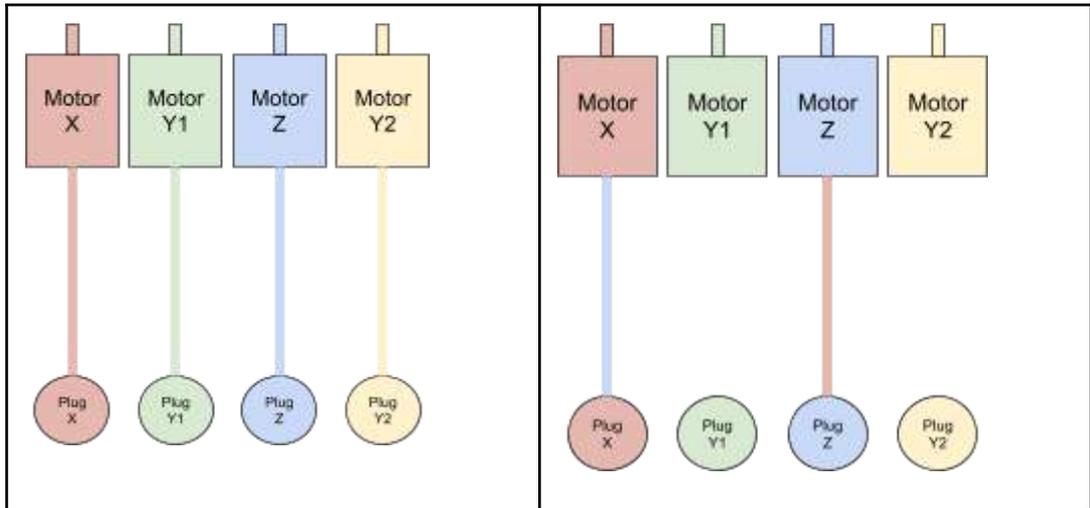
a. Same results? The problem is probably on a motor.

**After shutting down the Raspberry** and **switching off the power**, check that no wires are coming loose between the motor and its black connector, please contact us to get more support.

b. Defect translated on the other X axis.

- i. **Shutdown your Raspberry Pi** and **switch the power back off**.
- ii. At the motor side, unplug the black connectors of the X and Z motors. Swap them to match the following drawing.

Default	Step 5.b.ii
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- iii. Switch the power back on.
- iv. Move Z:
  - (3) Solved ? Your cable is probably damaged. Contact us for more support.
  - (4) Still problematic? Please contact us to arrange the return of your Control Unit.