

# GRBL Homing

doc version:v2.0

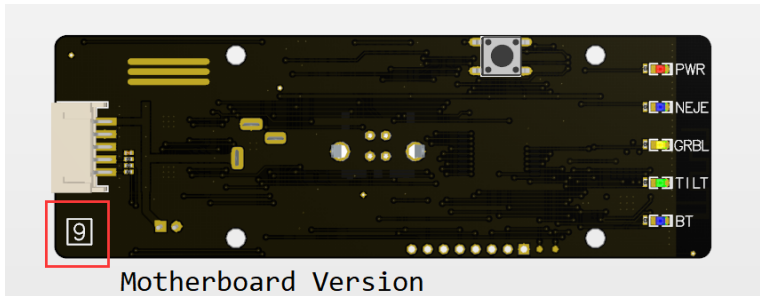
GRBL homing is a function to set laser to origin(0,0).

This PDF will explain the confusion about homing.

First, not all of the Master 2 is support homing.

Please check your Master 2 motherboard version.

The version should marked on the one of corner of motherboard just like the picture below.



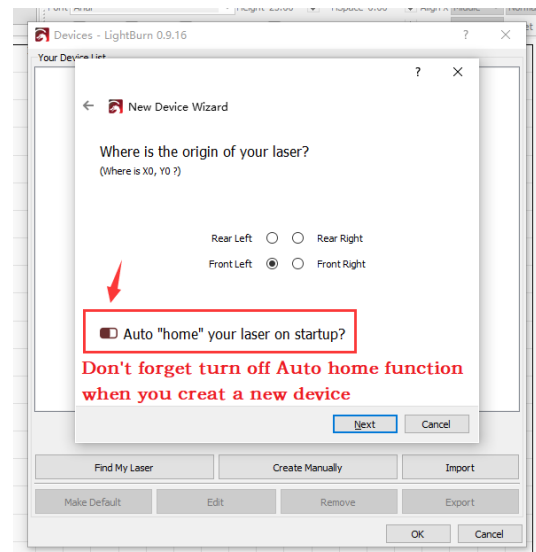
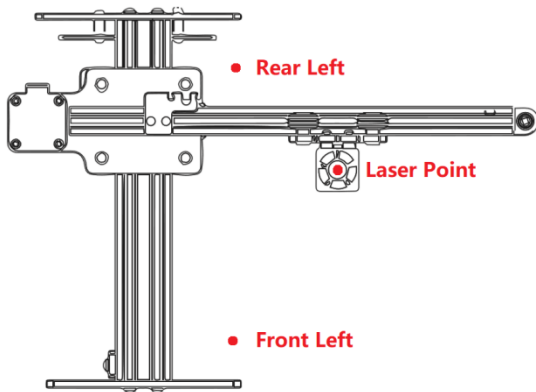
**The version of motherboard is 1-10 homing is not support**

**The version of motherboard is 11-12 homing is support**

If your device is not support homing, It's no need to be sad, manual homing is very easy and quick than auto homing.

**Q: How to manual homing?**

**A: Move laser point to Front Left**



If your device is support homing, when the homing complete the Laser point is at **Rear Left**,

It's not a mistake, because only Rear Left coner can trig homing switch,

also the coordinate of device after homing is (maxY, 0), not (0,0), for Master 2 is (170,0).

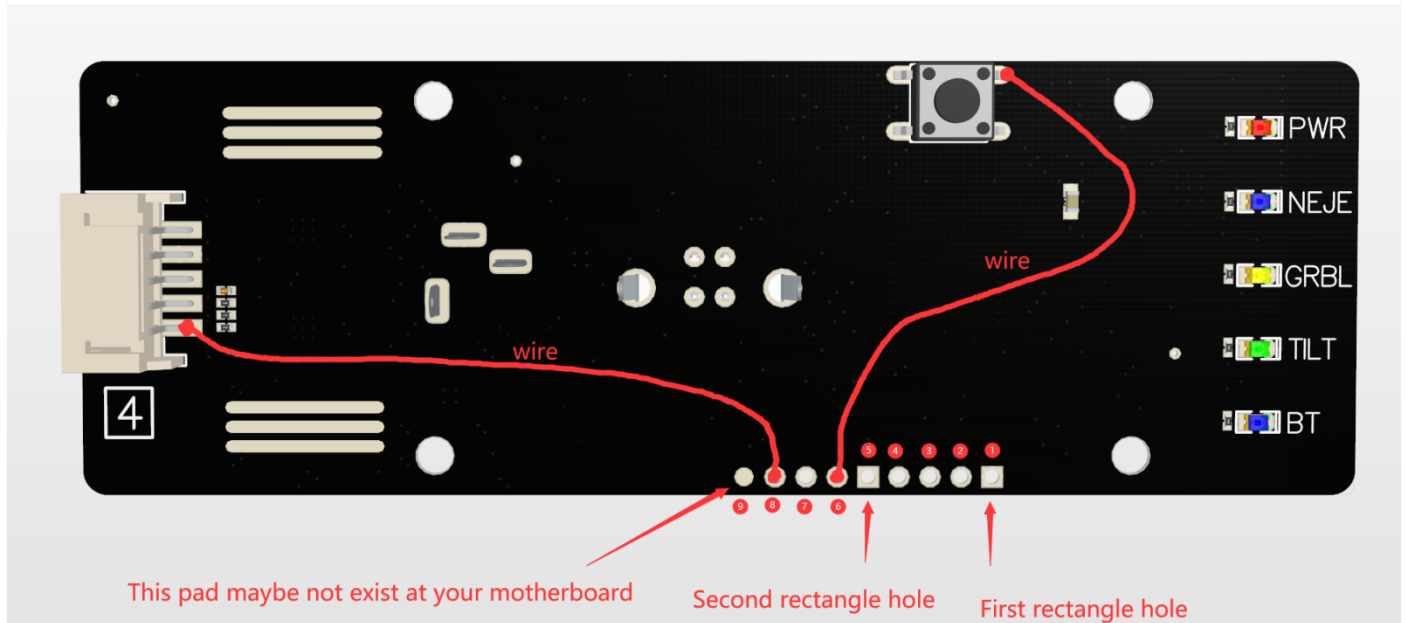
If your device not support auto homing but you want it, please take a look of this ↓ ↓ ↓

## How to make master 2 support homing on motherboard version 1-10

There are only two steps you need to do but it takes some welding skills.

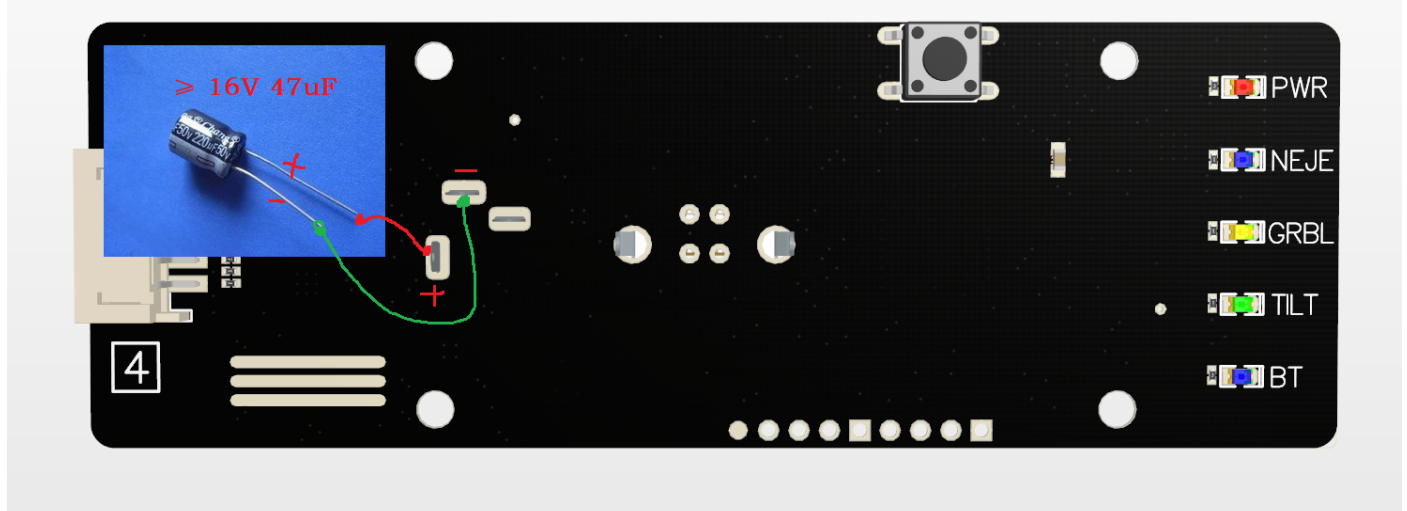
If you are interested, please see the next page.

First, Weld the position indicated in the figure below with wire.



By the way...

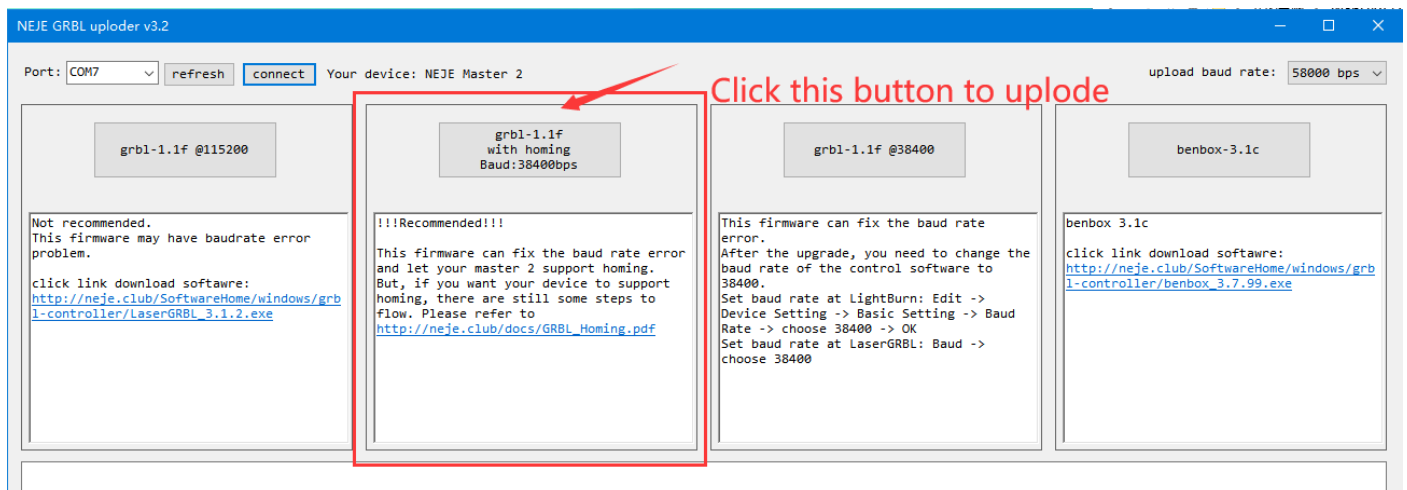
If the version of your motherboard is 1-8, could you weld a capacitor as shown in the figure below



This capacitor will protect your motherboard.

Please pay attention to the polarity, long pin is positive, short pin is negative capacitor voltage  $\geq 16V$ , capacity  $\geq 47\mu F$

Then download [NEJE GRBL uploader v3.2.exe](#) software, uplude this firmware to your device.



Tips: homing cycle is disable, please set \$22 = 1 to enable homing cycle.

Have a nice day, Hope this doc will help you.