gSender – Connected but No Controls
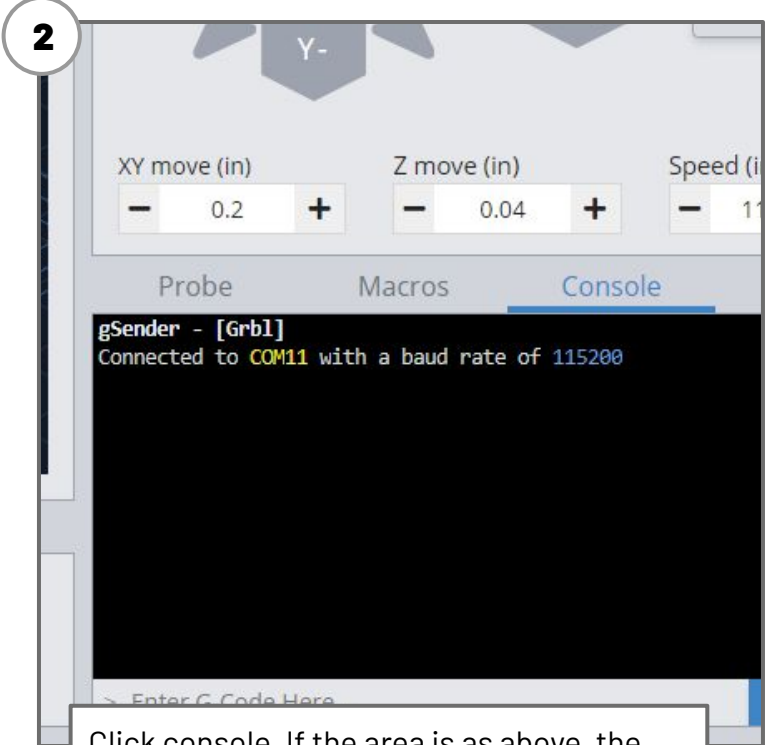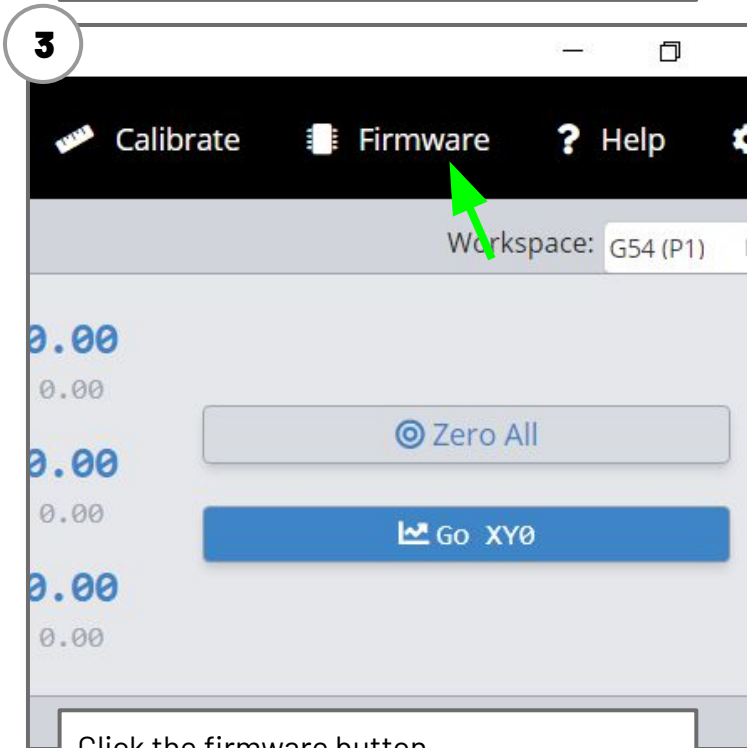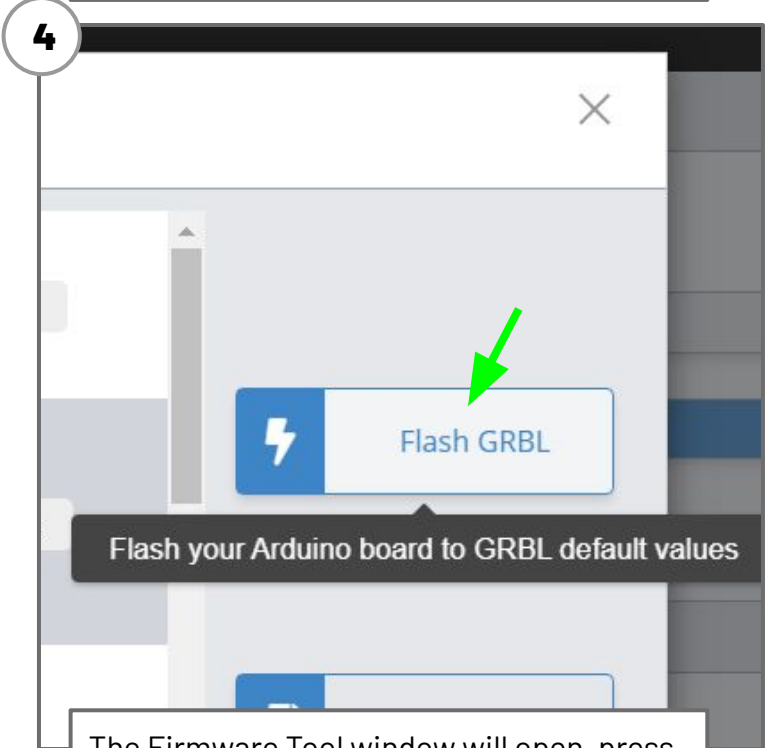
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1

If gSender is connected but the visualizer is disconnected and the controls are grayed out, the settings are likely missing.
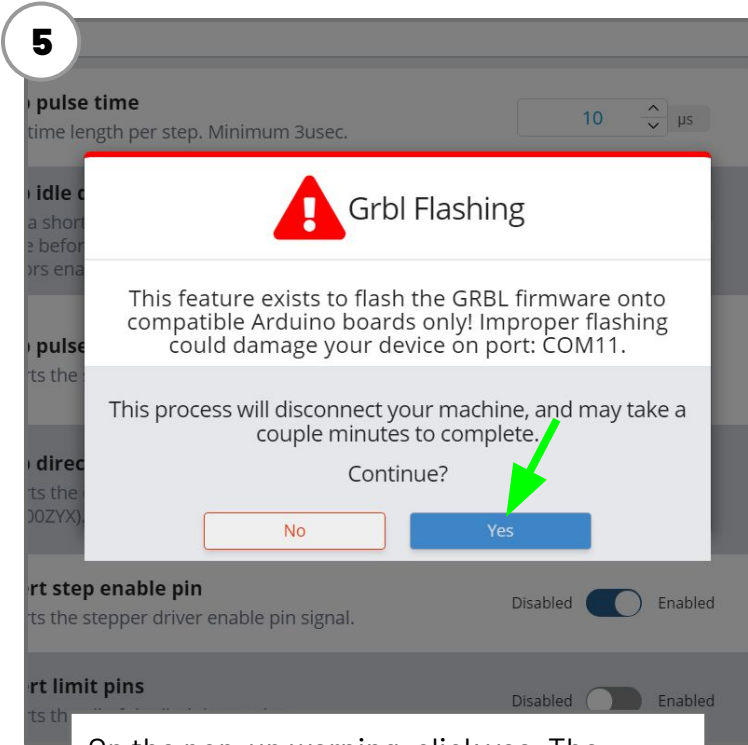
2

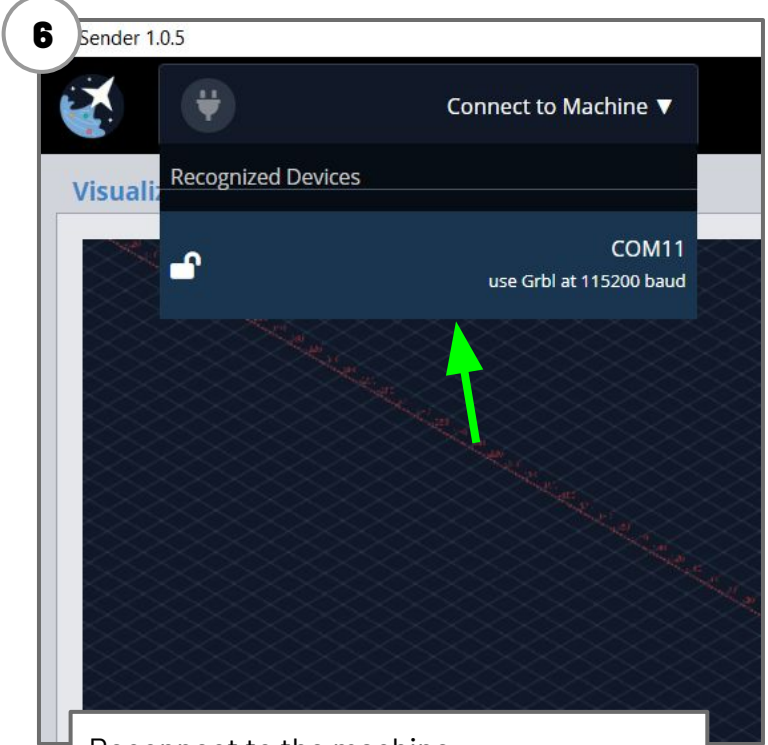Click console. If the area is as above, the board is missing the settings and will need to be re-flashed.
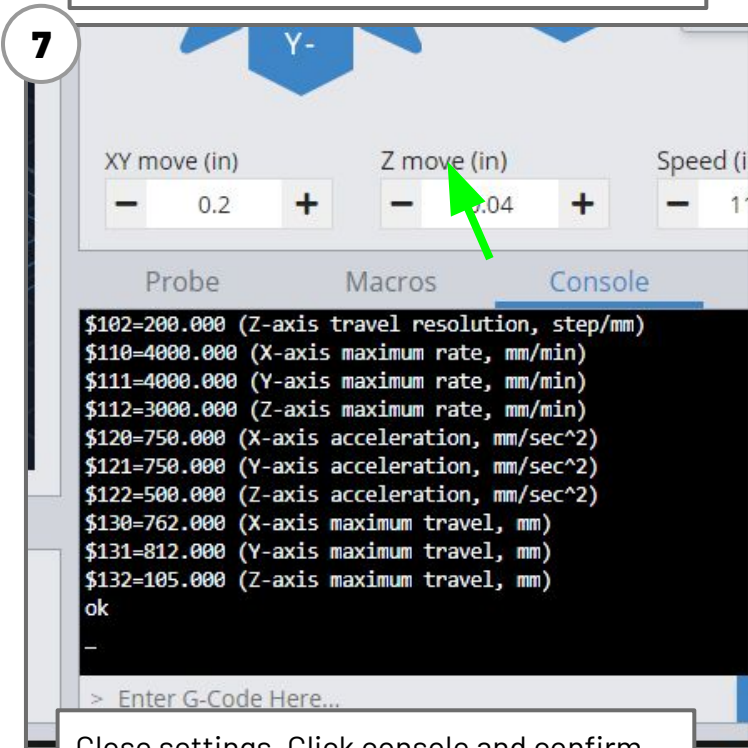
3

Click the firmware button.
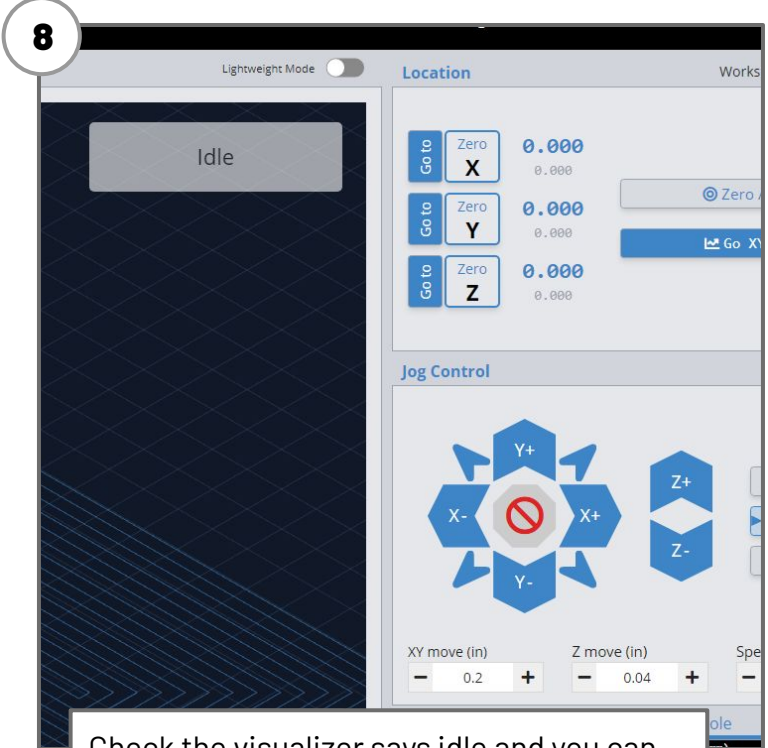
4

The Firmware Tool window will open, press "Flash GRBL".

5

pulse time
time length per step. Minimum 3usec.

10   µs

⚠ **Grbl Flashing**

This feature exists to flash the GRBL firmware onto compatible Arduino boards only! Improper flashing could damage your device on port: COM11.

This process will disconnect your machine, and may take a couple minutes to complete.

Continue?

No   Yes

rt step enable pin
ts the stepper driver enable pin signal.   Disabled ⬤ Enabled

rt limit pins
ts th   Disabled ⬤ Enabled

On the pop-up warning, click yes. The machine will begin the flashing process and disconnect from the machine.
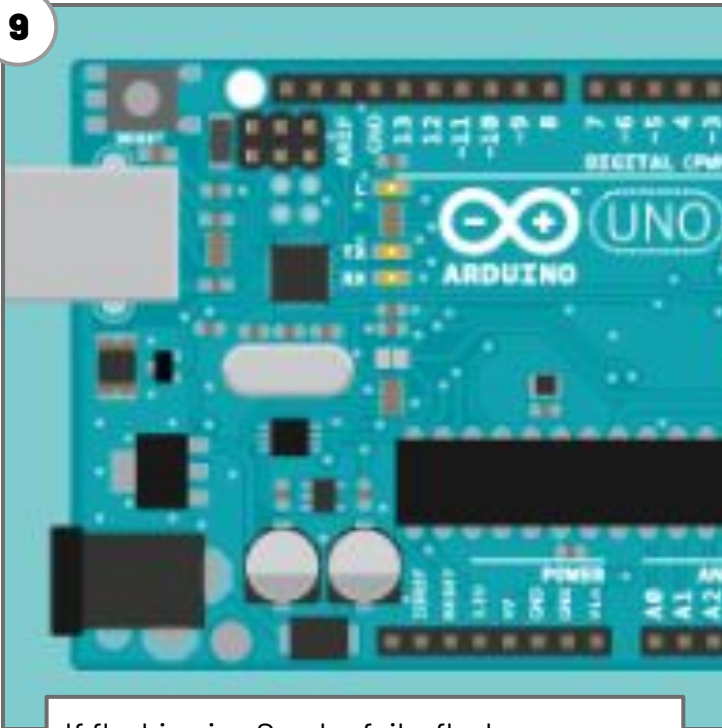
6

Sender 1.0.5

Connect to Machine ▼

Recognized Devices

🔓   COM11
use Grbl at 115200 baud

Visualiz

Reconnect to the machine

7

Y-

XY move (in)   Z move (in)   Speed (i
− 0.2 +   − .04 +   − 1

Probe   Macros   **Console**

```
$102=200.000 (Z-axis travel resolution, step/mm)
$110=4000.000 (X-axis maximum rate, mm/min)
$111=4000.000 (Y-axis maximum rate, mm/min)
$112=3000.000 (Z-axis maximum rate, mm/min)
$120=750.000 (X-axis acceleration, mm/sec^2)
$121=750.000 (Y-axis acceleration, mm/sec^2)
$122=500.000 (Z-axis acceleration, mm/sec^2)
$130=762.000 (X-axis maximum travel, mm)
$131=812.000 (Y-axis maximum travel, mm)
$132=105.000 (Z-axis maximum travel, mm)
ok
_
```

> Enter G-Code Here...

Close settings. Click console and confirm the settings are there.

8

Lightweight Mode ⬤   **Location**   Works

Idle

Go to Zero X   0.000
                  0.000

Go to Zero Y   0.000   ◎ Zero
                  0.000

Go to Zero Z   0.000   ☒ Go X
                  0.000

Jog Control

Y+
Z+
X- 🚫 X+
Z-
Y-

XY move (in)   Z move (in)   Spe
− 0.2 +   − 0.04 +   −

Check the visualizer says idle and you can jog your machine.

9

If flashing in gSender fails, flash your firmware using Arduino IDE

https://resources.sienci.com/view/lmk2-grbl-firmware/#flashing-grbl-using-arduino-ide