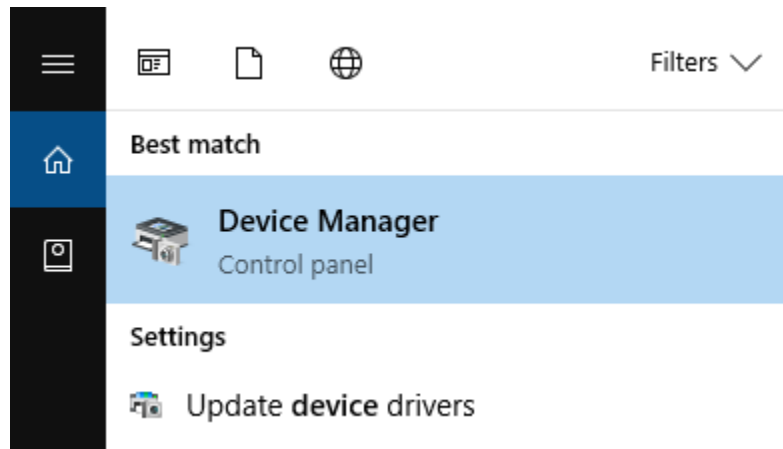


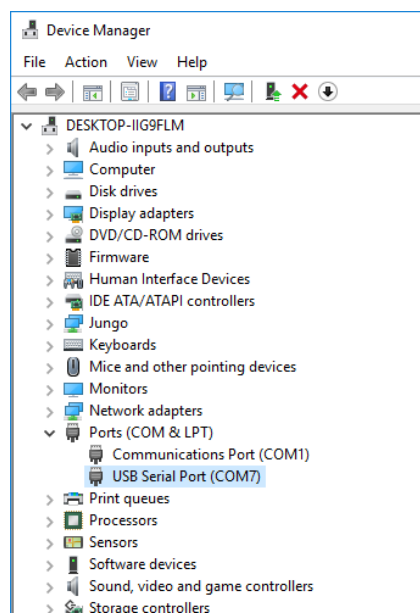
# CNC xPRO Troubleshooting Guide

## No Comms / GRBL still loading error

1. **Unplug ALL connections except the USB cable (power, motors, limit switches, etc.)**
2. **Check USB Drivers loaded / Reload USB Drivers.**
  - a. Open Device Manager

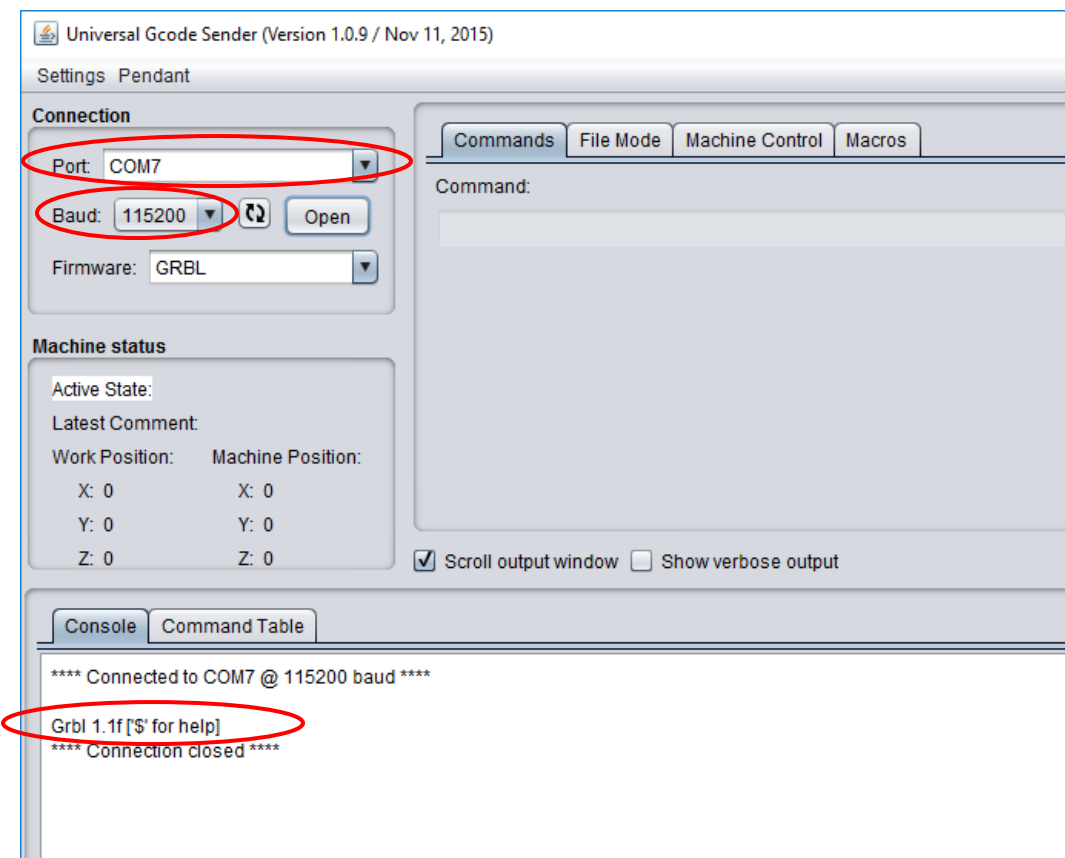


- b. Look under “Ports (COM & LPT)”
  - i. You should see a “USB Serial Port (COM#)” device listed (note the # for later)
  - ii. If you do not have this device:
    1. make sure the board is plugged in
    2. download the current drivers here (<http://www.ftdichip.com/Drivers/VCP.htm>)
    3. Find the yellow error triangle, right click and install downloaded drivers



### 3. Check Port and Baud settings in Universal Gcode Sender

- a. Open UGS platform
- b. Click the refresh icon
- c. Select "COM#" which corresponds to the board (# can be found in step 1)
- d. Set "Baud" to 115200
- e. Make sure "Firmware:" is set to GRBL
- f. Click "Open" (if all goes well you should be greeted with the "Grbl X.Xx['\$' for help]"



### 4. USB Cable

- a. Make sure the USB cable is routed AWAY from stepper motor leads, Spindle leads, and AC power lines
- b. Try a different USB port on the computer
- c. Try a different USB cable (preference given to shorter, well shielded cables)