



- Plug the RAMPS 1.4SB onto the Arduino Mega Board.

- Configure and upload the Marlin Firmware for RAMPS 1.4

- Connect 5A input power, extruder output and thermistor for extruder. Turn on, and test that the extruder heats and you can read the temperature.

- Connect 11A input power, bed output, thermistor bed. Test.

- Connect X stepper driver and motor, x limit. Test Home X.

- Connect Y,Z stepper drivers and motors, and y,z limits. Test Home XYZ.

- Connect E0 stepper drivers and motor. Set temp to 180°. Test Extrusion.

- Check input power cables. If you switch positive and negative, electronics will be destroyed.

- Check stepper drivers. If you connect stepper drivers on the wrong orientation, they will burn.

- Check vcc/gnd of your limits. If you use a 3 wire cable you can damage the arduino.

For a detailed reference, please visit http://reprap.org/wiki/RAMPS_1.4