## **Sprinter**

From RepRapWiki

The leading developers of Sprinter are currently Kliment and caru, though many others contribute with their patches. This is a firmware for RAMPS and other reprap single-processor electronics setups. It supports printing from SD card, active heatbed control, and ATmega internal pullups. This work is licensed under the GNU GPL v3 or (at the user's discretion) any later version. It is based on Tonokips's firmware, which was licensed under GPL v2 or later.

See Sprinter (https://github.com/kliment/Sprinter) on Github.

Works on RAMPS and Sanguinololu, seen working on Generation 6 Electronics, Gen3 Monolithic Electronics (http://reprap.org/wiki/Sprinter on gen3) and maybe other

## **Sprinter Firmware Guide**

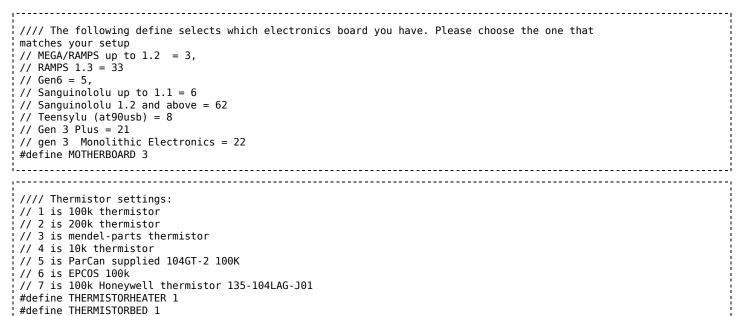
moved from Calibration to here

Adjustments to the calibration are made in the firmware because this is where the motors are told how much to move each time they are told to

move a unit. You will need to know how to compile and uploaded firmware to your arduino to find the following information useful. The sprinter firmware can be found at https://github.com/kliment/Sprinter.

Note: the Sprinter instructions in the readme are outdated and incorrect, with an incorrect link to sanguino hardware support. Correct link to sanguino hardware support is at http://code.google.com/p/sanguino/

First, you will need to choose your electronics in the configuration.h file:





## **Sprinter**

Release status: working

no image available

Description a firmware for RAMPS

reprap single-processor

setups

License GNU GPL v3

Author Kliment

**Contributors** 

Tonokips's firmware **Based-on** firmware firmware dev Categories

CAD Models none

External

Link

https://github.com/klim

Calibration settings are inside the configuration.h file (take note of the comments around this code if you are using Metric Prusa Mendel with Makergear geared stepper extruder or MakerGear Hybrid Prusa Mendel):

```
//// Calibration variables
// X, Y, Z, E steps per unit - Metric Prusa Mendel with Wade extruder:
float axis_steps_per_unit[] = {40, 80, 3200/1.25,700};
```

If you are using RAMPS, it is important to find the following lines in the pins.h file and do as the comments say:

```
// uncomment one of the following lines for RAMPS v1.3 or v1.0, comment both for v1.2 or 1.1
#define RAMPS_V_1_3
#define RAMPS_V_1_0
```

A Youtube video that explaines all the available variables can be found here [1] (http://www.youtube.com/watch? v=oe3HJzL1vQI)

Note: If you experience issues compiling, make sure "AT MEGA 2560" is selected in Tools -> Board.

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