



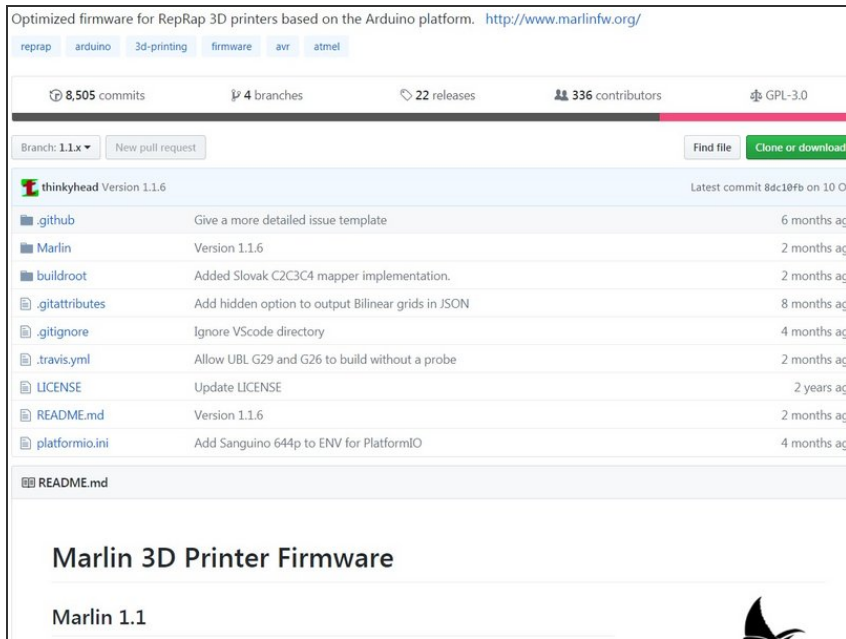
# V6 Marlin Configuration

Set up your Marlin Firmware to support your new E3D HotEnd

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## Step 1 — Download Marlin



Optimized firmware for RepRap 3D printers based on the Arduino platform. <http://www.marlinfw.org/>

reppap arduino 3d-printing firmware avr atmel

8,505 commits 4 branches 22 releases 336 contributors GPL-3.0

Branch: 1.1.x New pull request Find file Clone or download

thinkyhead Version 1.1.6 Latest commit 8dc10fb on 10 Oct 2019

File	Description	Time
.github	Give a more detailed issue template	6 months ag
Marlin	Version 1.1.6	2 months ag
buildroot	Added Slovak C2C3C4 mapper implementation.	2 months ag
.gitattributes	Add hidden option to output Bilinear grids in JSON	8 months ag
.gitignore	Ignore VScode directory	4 months ag
.travis.yml	Allow UBL G29 and G26 to build without a probe	2 months ag
LICENSE	Update LICENSE	2 years ag
README.md	Version 1.1.6	2 months ag
platformio.ini	Add Sanguino 644p to ENV for PlatformIO	4 months ag

README.md

### Marlin 3D Printer Firmware

Marlin 1.1

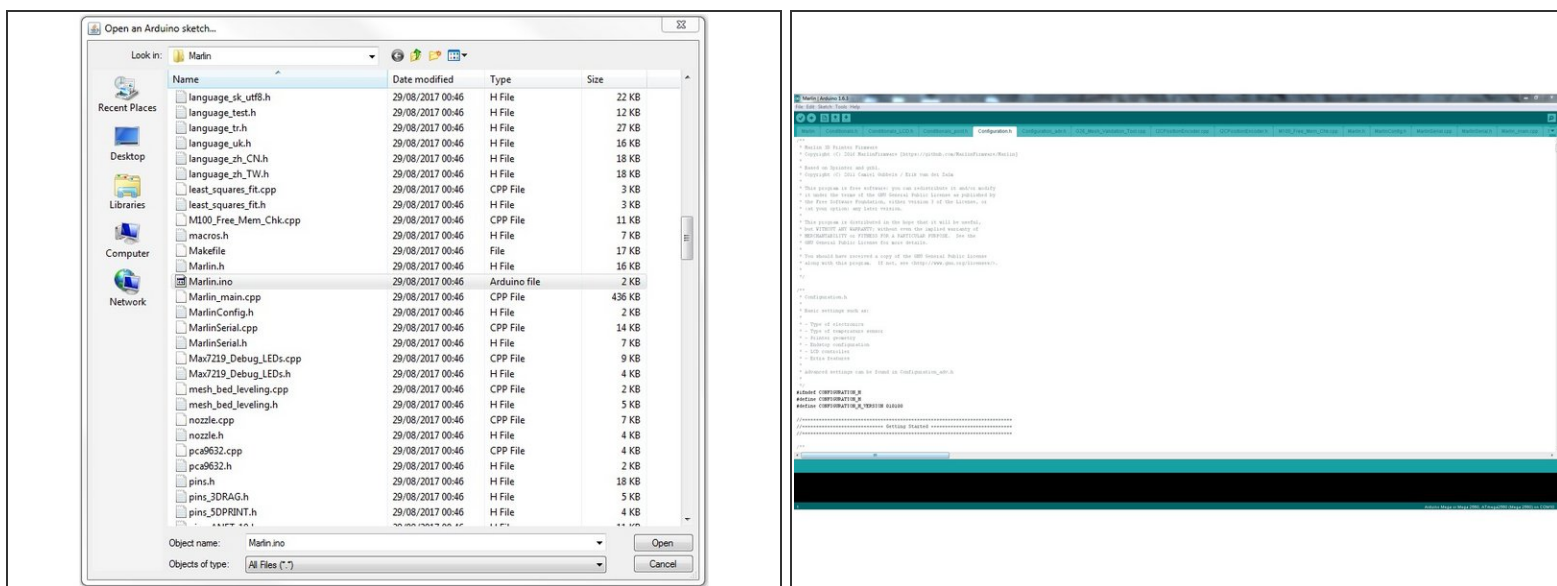
- First things first: you're going to need a copy of Marlin.
  - If you are upgrading an existing 3D printer to use a V6 HotEnd, you should try to get a copy of your current firmware from your printer's manufacturer.
  - If you're building a new printer, or simply want to upgrade to the latest version of Marlin, download it at <http://marlinfw.org/meta/download/>
- ⚠ If you download a fresh version of Marlin you'll have to configure more settings than the ones mentioned in this guide so that it will work well with your printer.

## Step 2 — Download Arduino IDE



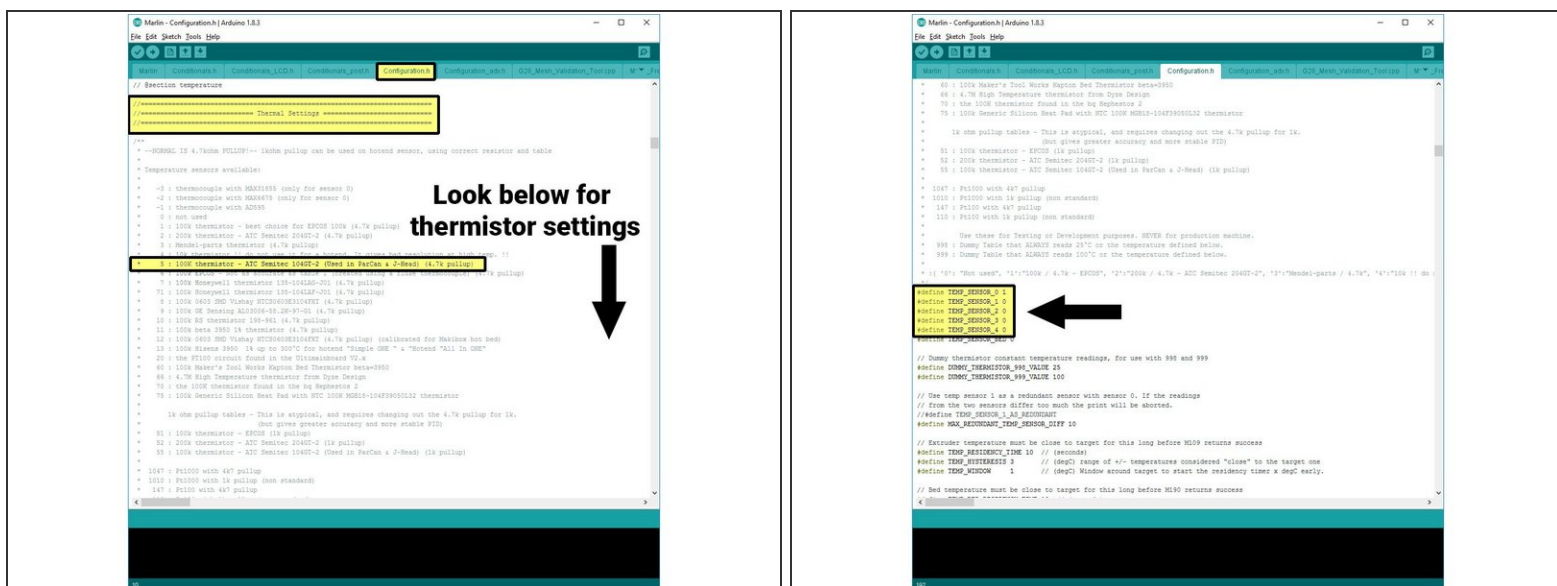
- You'll need Arduino IDE to make changes to the firmware, and you can also upload the firmware from it <https://www.arduino.cc/en/Main/Software>

## Step 3 — Open Marlin in Arduino



- Unzip Marlin from the zip file you downloaded and put the resulting folder anywhere on your computer for safe keeping.
- Inside this folder, navigate to the Marlin sub-folder, and open the Marlin.ino file. This should open every file in Marlin.
- Find the Configuration.h file from the tabs on the top of the screen

## Step 4 — Thermistor Settings



- In the configuration.h file, find the Thermal Settings section. Below the comments you'll find the settings for the types of thermistors your printer uses. (Typically there will be one per hotend and one more if you have a heated bed.)
- If you're installing your V6 as your only hotend, change the first highlighted line to: `#define TEMP_SENSOR_0 5`
- If you're replacing an existing hotend or have multiple hotends, adjust whichever line corresponds to the tool number that you're changing (they start counting from 0)





Head back to the [V6 Assembly page](#) to finish the last few steps before you start printing.