firepickdelta

How to Upload Marlin to the Arduino Mega 2560

Written By: The Guru

💿 Marlin Arduino 1.0.5-r2	-	-		- • ×
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Marlin Configuration.h ConfigurationStore.cpp	ConfigurationStore.h	Configuration_adv.h	Marlin.h	MarlinSerial.c
/* -*- C++ -*- */				^
/*				
Reprap firmware based on Sprinter and grb. Copyright (C) 2011 Camiel Gubbels / Erik van				E
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Step 1 — Get Marlin

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- Clone marlin software from delta github repository: <u>https://github.com/firepick-</u> <u>delta/Marlin</u>
- Switch to the branch "feature/openpnp"
- We HIGHLY recommend you use a Git client and learn to use it well, if you haven't already. This will allow you to sync latest changes, as this codebase is a living breathing project.
- If you would rather just download the ZIP to get going, you can do that, but staying up to date might get difficult later on. The URL of the ZIP file to download is:

https://github.com/firepickdelta/Marlin...

Step 2 — Download and Install Arduino IDE

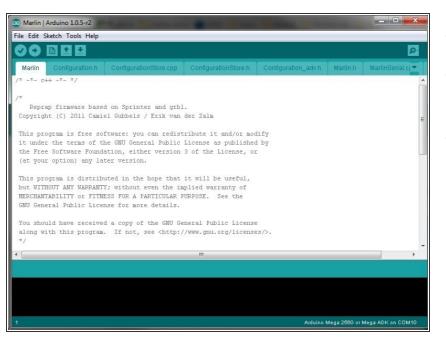
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- Download the Arduino IDE: <u>http://www.arduino.cc/en/Main/Software</u>
- Do not use the arduino.org site; make sure to use arduino.cc
- Install the Arduino IDE after the download finishes. Make sure to install the drivers, if prompted.
- Feel free to donate a few \$\$ to the Arduino.cc project, as they're currently undergoing litigation with the evil arduino.org.

Step 3 — Launch Arduino IDE

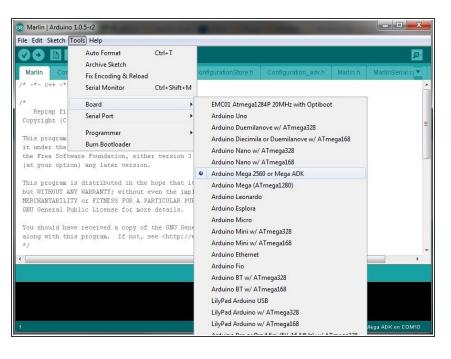
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File Edit Sketch Tools Help	
sketch_jun06a	
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1 Arduino Mega 2560 or Mega ADK on COM10	

Step 4 — Load Marlin code



- File -> Open
- Navigate to location where you cloned Marlin
- Click "open"

Step 5 — Select Board Type



 Select board Tools -> Board -> Arduino Mega 2560

Step 6 — Select Serial Port

	Tools Help				
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- Plug in your Arduino now.
- Select your arduino COM port.
- Tools -> Port -> COMxx

Step 7 — Compile code



- Sketch -> Verify/Compile
- NOTE: if there are errors, they need to be fixed before you can continue

Step 8 — Upload code

💿 Marlin Arduino 1.6.4				
File Sketch Tools Help				
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Marlin Configuration.h ConfigurationStore.cpp	ConfigurationStore.h	Configuration_adv.h	Marlin.h	MarlinSerial.cp
/* -*- c++ -*- */				
/* Reprap firmware based on Sprinter and grb1				
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GNU General Public License for more details.				
You should have received a copy of the GNU Ge along with this program. If not, see http://www.see				
*/	/www.gild.org/ifccild	-3/2.		
/* This firmware is a mashup between Sprinter an	d mbl			
(https://github.com/kliment/Sprinter)	a grore			
(https://github.com/simen/grb1/tree)				
It has preliminary support for Matthew Robert	s advance algorithm			
http://reprap.org/pipermail/reprap-dev/201				

Click the upload button (arrow on the tool bar)