

PiBot Firmware Upload

PiBot

Electronic & Mechanics

Welcome to the PiBot Firmware Upload!

You have to prepare three documents, before you ready upload.



[arduino-1.0.5_For_PiBotHardware.zip](#)

unzip it into the **arduino-1.0.5_For_PiBotHardware** file



[PiBotForRepetierFirmware0.90_HV1.42.rar](#)

extract it to **PiBotForRepetier0.90_HV1.42** file



[PiBot_Hardware_Driver_Installer_v1.8.0.rar](#)

extract it & setup **PiBot_Hardware_Driver_Installer_V1.8.0**

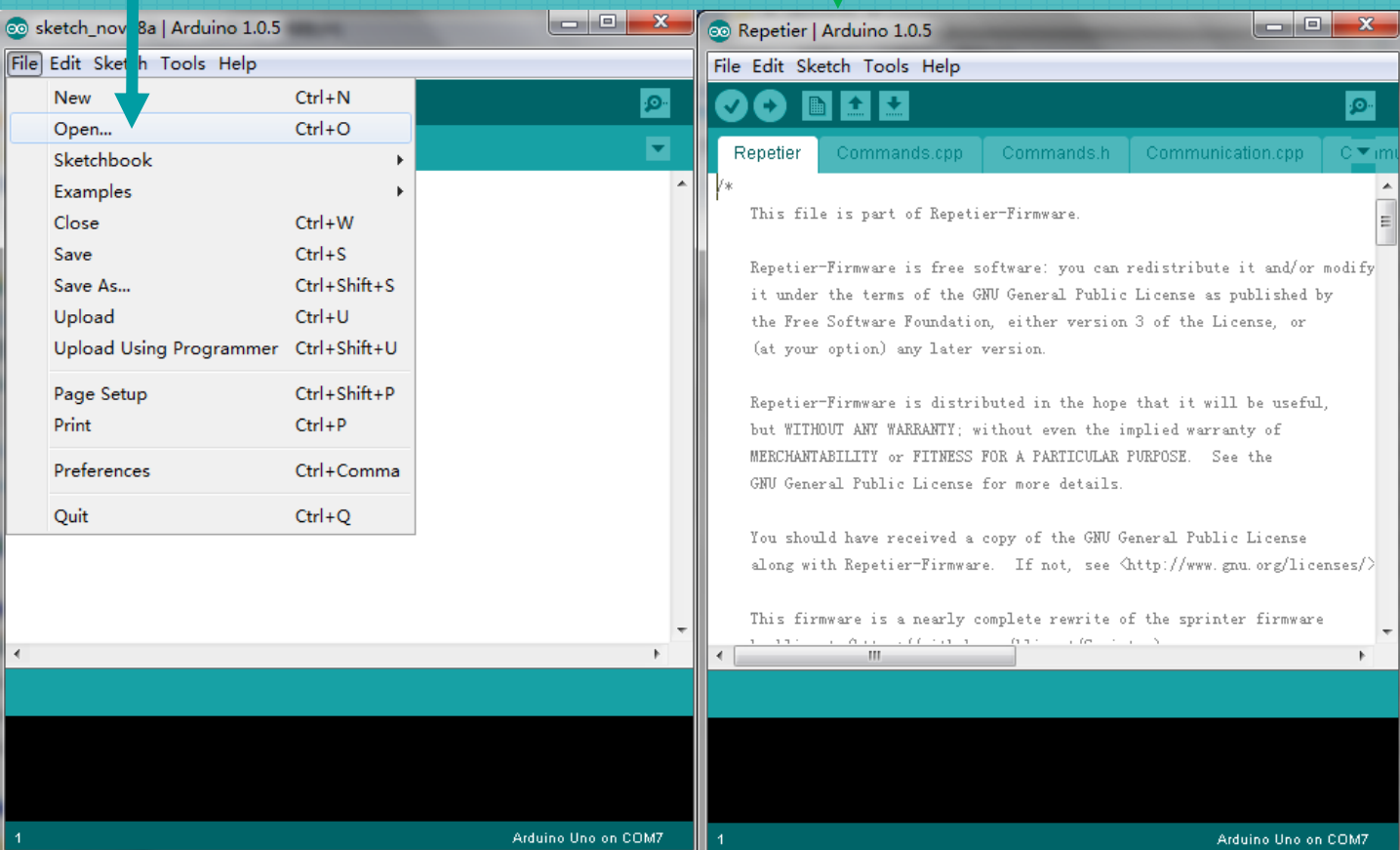
Now you can connect the PiBot for Repetier Motherboard to your computer using the USB-B cable.




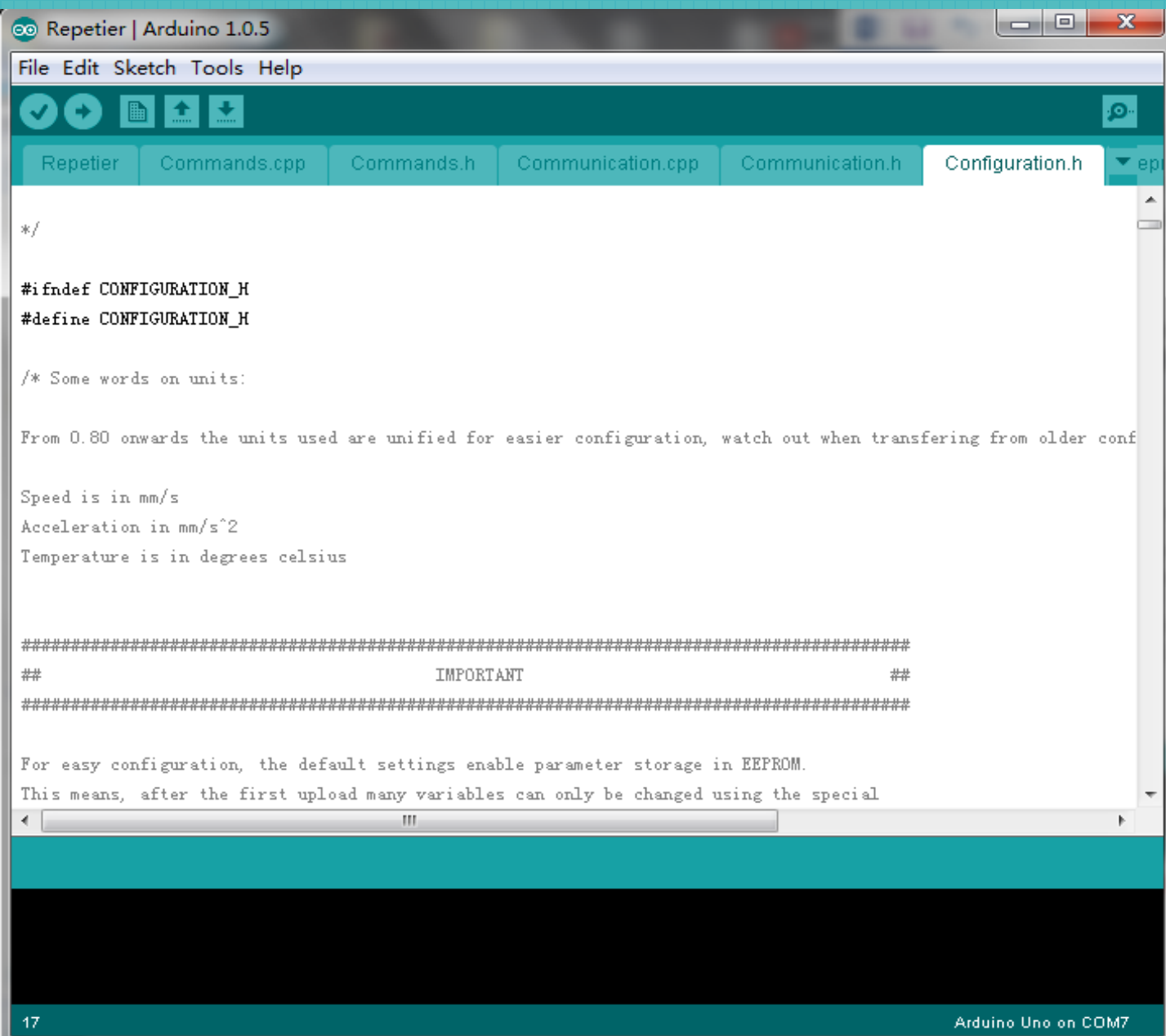
Second step:
open the **arduino-1.0.5_For_PiBotHardware** file, and run
arduino.exe

The third step:

File-Open -> *\\PiBotForRepetier0.90_HV1.42\\Repetier\\Repetier.ino



Select the **Configuration.h**, configuration your 3D printer value into **Configuration.h** and **Save**  (**File-Save**) them. More details please ask [Repetier Firmware](#). Default configures is fit to the PiBot 3D printer.

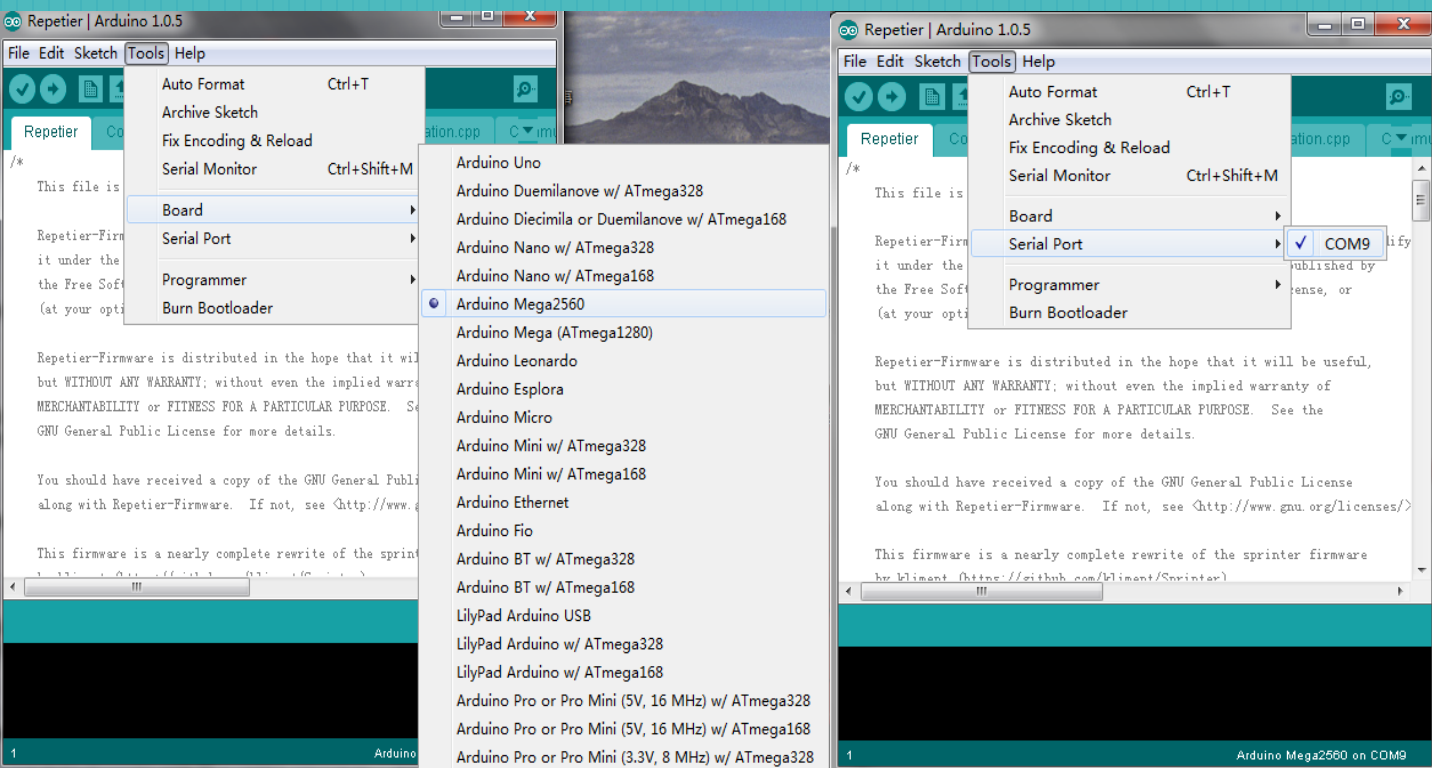


The screenshot shows the Repetier Arduino IDE interface. The title bar reads "Repetier | Arduino 1.0.5". The menu bar includes "File", "Edit", "Sketch", "Tools", and "Help". The toolbar contains icons for checking, undo, redo, opening a file, saving, and downloading. The file explorer shows several files: "Repetier", "Commands.cpp", "Commands.h", "Communication.cpp", "Communication.h", and "Configuration.h", which is currently selected. The main text area displays the content of "Configuration.h". The code includes a preprocessor guard for CONFIGURATION_H, comments about units, and a section marked "IMPORTANT" regarding EEPROM storage.

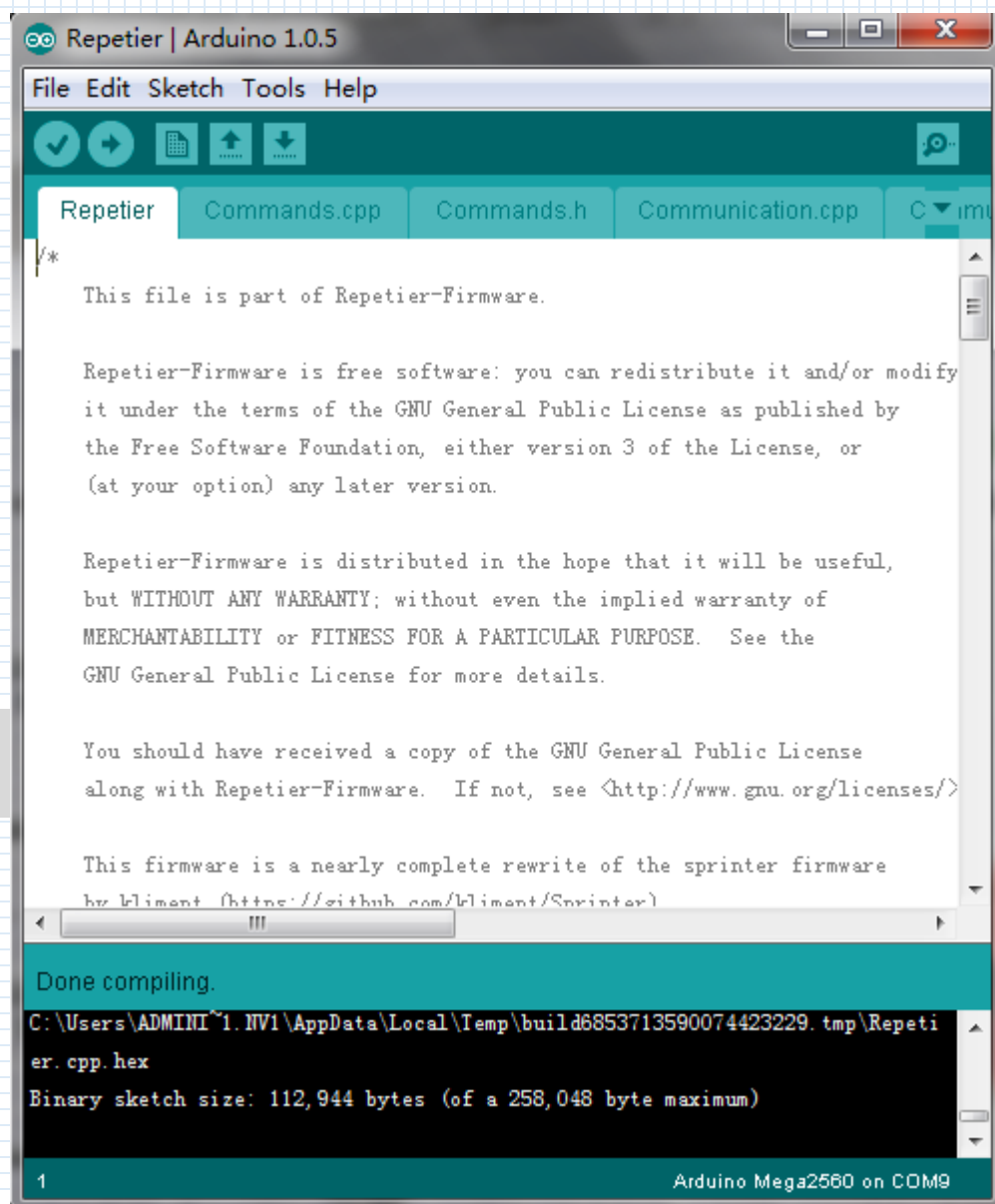
```
*/  
  
#ifndef CONFIGURATION_H  
#define CONFIGURATION_H  
  
/* Some words on units:  
  
From 0.80 onwards the units used are unified for easier configuration, watch out when transferring from older conf  
  
Speed is in mm/s  
Acceleration in mm/s^2  
Temperature is in degrees celsius  
  
#####  
##                                IMPORTANT                                ##  
#####  
  
For easy configuration, the default settings enable parameter storage in EEPROM.  
This means, after the first upload many variables can only be changed using the special  
< | | >
```

17 Arduino Uno on COM7

Now, it's time to select your chip and serial port. **Tools-Board->Arduino Mega2560 & Tools-Serial Port->COM*(*: the serial port value 1-256).**




The following step is to Verify 
(Sketch-Verify/Compile).

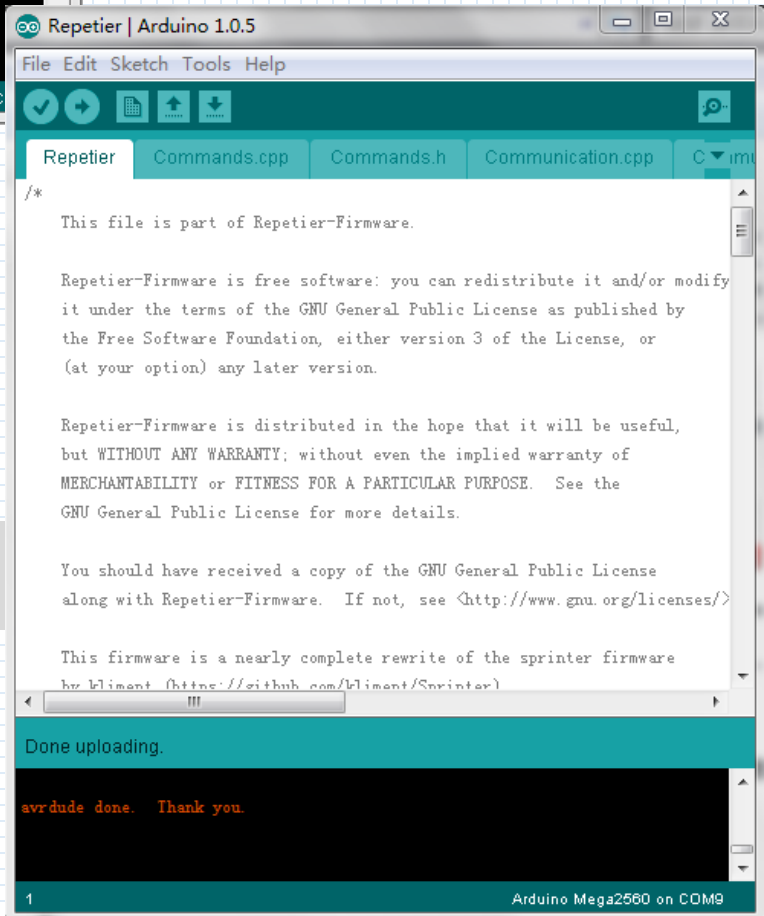
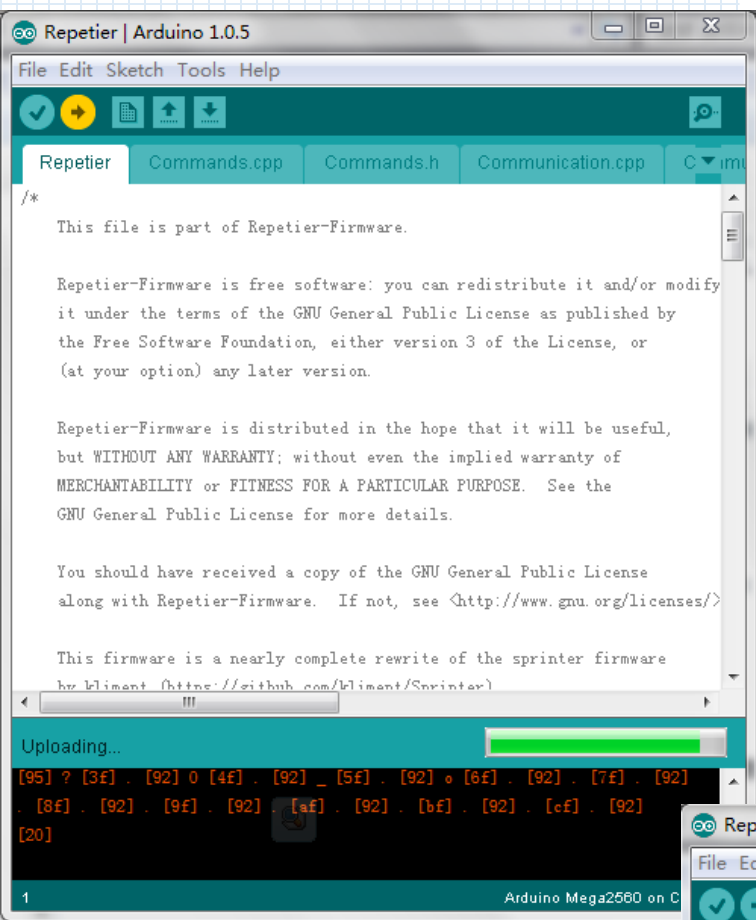


The screenshot shows the Repetier Arduino IDE interface. The top menu bar includes File, Edit, Sketch, Tools, and Help. Below the menu bar is a toolbar with icons for Verify, Run, Upload, and Download. The main editor window displays the Repetier.cpp file, which contains the following text:

```
/*  
This file is part of Repetier-Firmware.  
  
Repetier-Firmware is free software: you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.  
  
Repetier-Firmware is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.  
  
You should have received a copy of the GNU General Public License  
along with Repetier-Firmware. If not, see <http://www.gnu.org/licenses/>  
  
This firmware is a nearly complete rewrite of the sprinter firmware  
by bliment (https://github.com/bliment/Sprinter)
```

Below the editor window, a status bar indicates "Done compiling." and "Binary sketch size: 112,944 bytes (of a 258,048 byte maximum)". The bottom status bar shows "1" and "Arduino Mega2560 on COM9".

Please click this button  (File-Upload) to upload firmware



Congratulations! Now it's time to enjoy!

PiBotHost V1.03 - PiBot mark.stl

FileViewConfigTemperaturePrinterToolsHelp

Disconnect

Load

Save Job

Run Job

Kill Job

SD Card

Toggle Log

Show Filament

Printer Settings

Emergency Stop

PI-Support

3D ViewTemperature Curve

Object PlacementSlicerG-Code EditorManual Control

N...	Mesh	Collision	
P.	✓	✓	

Translation X

104.000

Y

104

Z

21

Scale

X

1

Y

1

Z

1

Rotation

X

0

Y

0

Z

0

☐ cut object

Position

Inclination

Azimuth

object Analysys

Modified:

No

Manifold:

Yes

Intersecting triangles:

0

Normals:

Oriented

Loop Edges:

0

Show in Log: ☒ Commands ☒ Infos ☒ Warnings ☒ Errors ☒ ACK ☒ Auto Scroll Clear Log Copy

16:36:06.751

wait

16:36:06.805

N20 M105 *53

16:36:06.810

ok 20

Connected:PiBot V1.0P

Extruder 1: 26.63°C/Off

Extruder 2: 26.63°C/Off

Idle

635 FPS