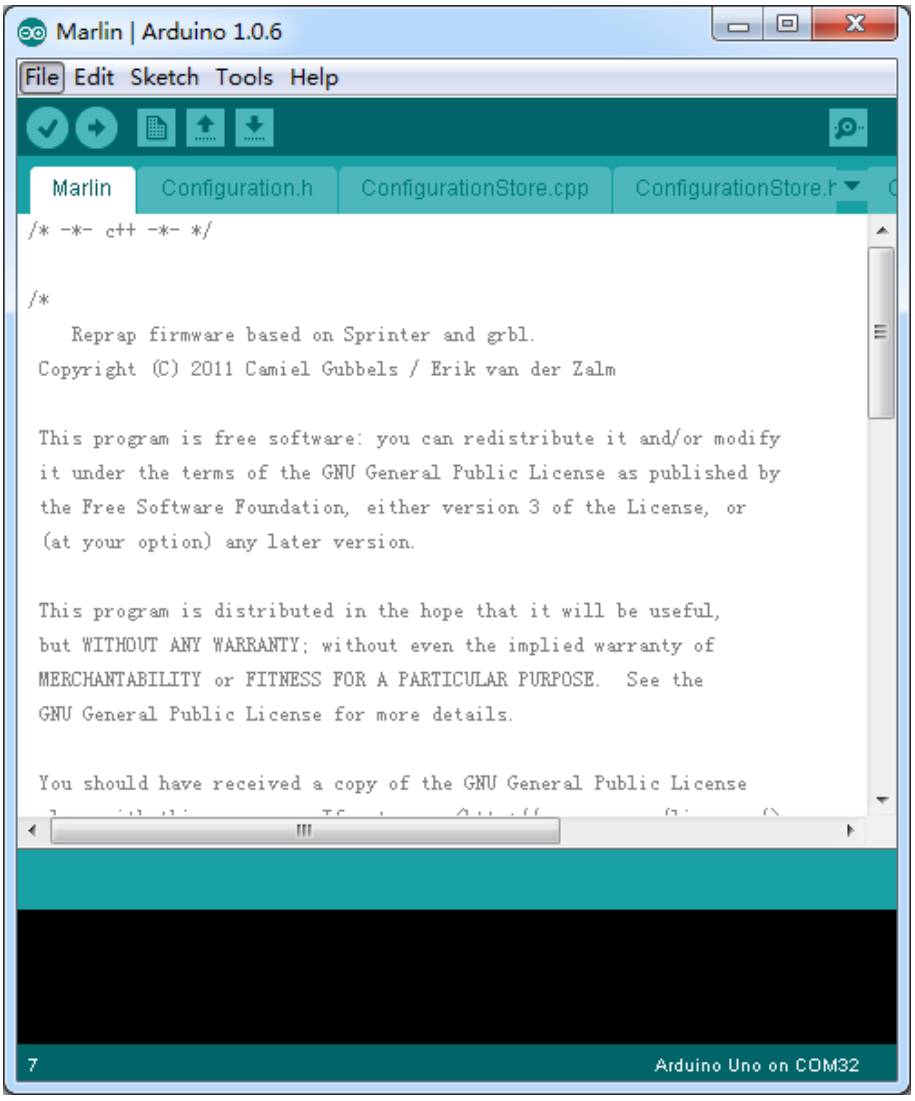
3. Upload the firmware



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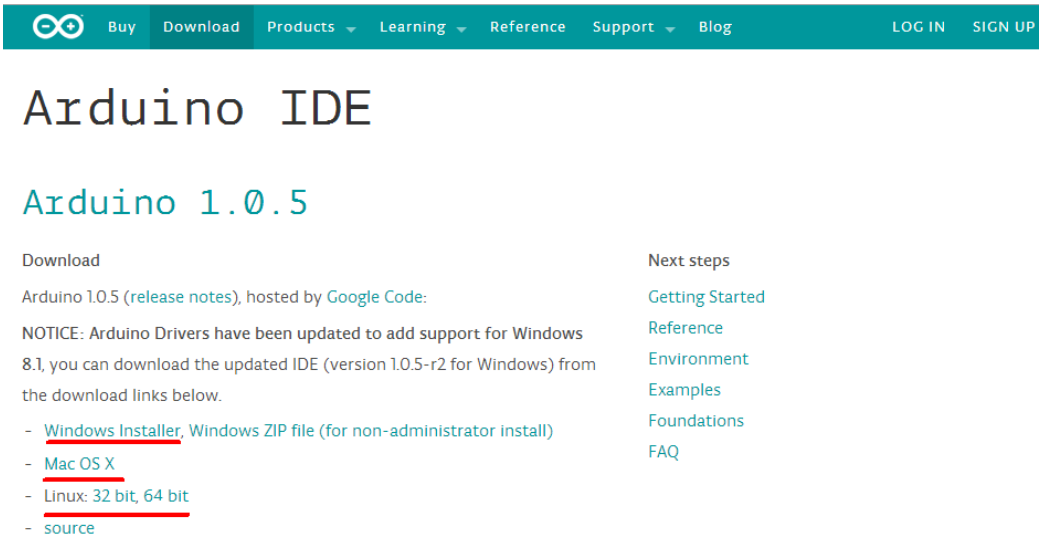
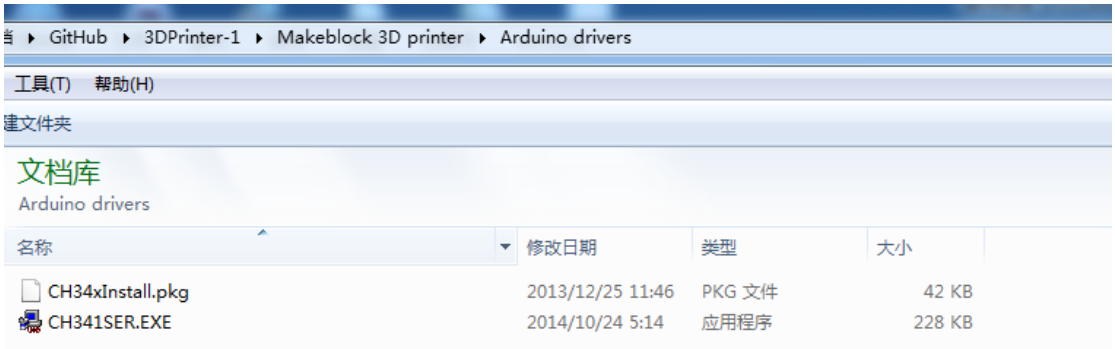
3.1 Install Arduino IDE

Please download the Arduino software from Arduino official website and install it. (Download the version according your computer system)
http://arduino.cc/en/Main/Software

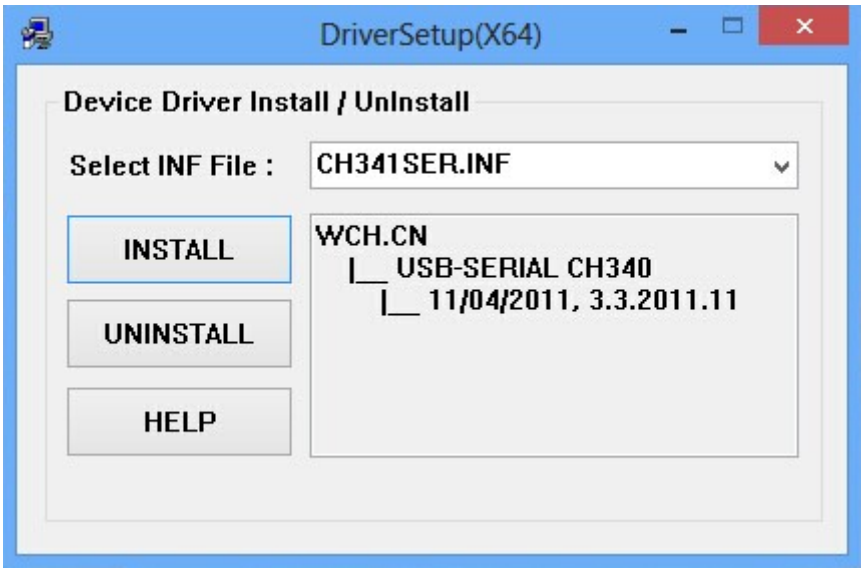


3.2 Install Arduino Drivers

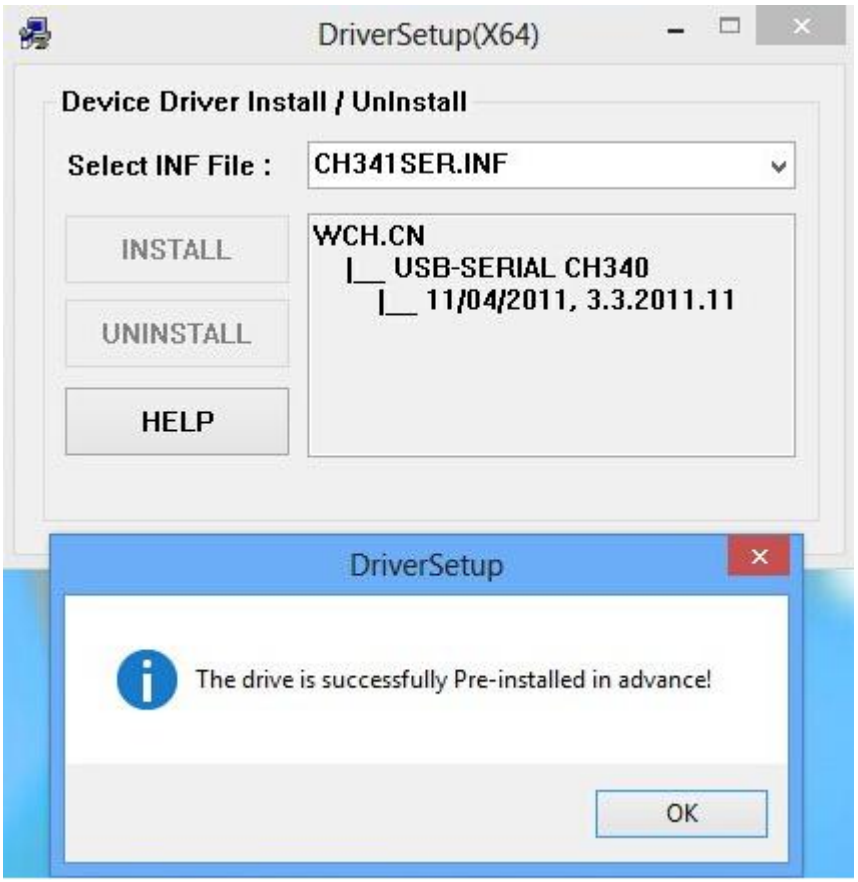
You can find Arduino drivers in folder "Arduino drivers"(Both Mac and Windows).



double click the file "CH3415SER" and click “Install” button as the below picture



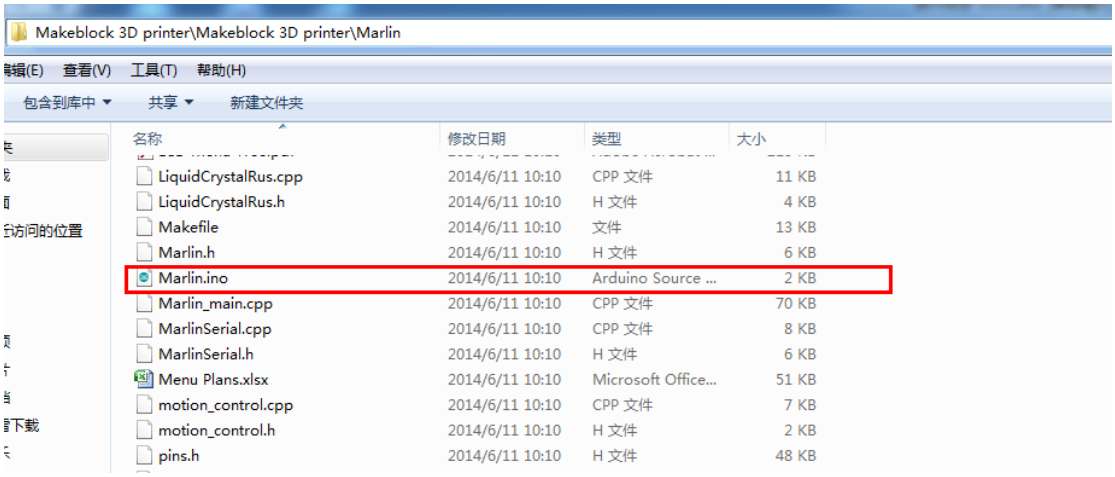
After seconds, the following window will popup the successful installation message, then click the "Confirm" button.



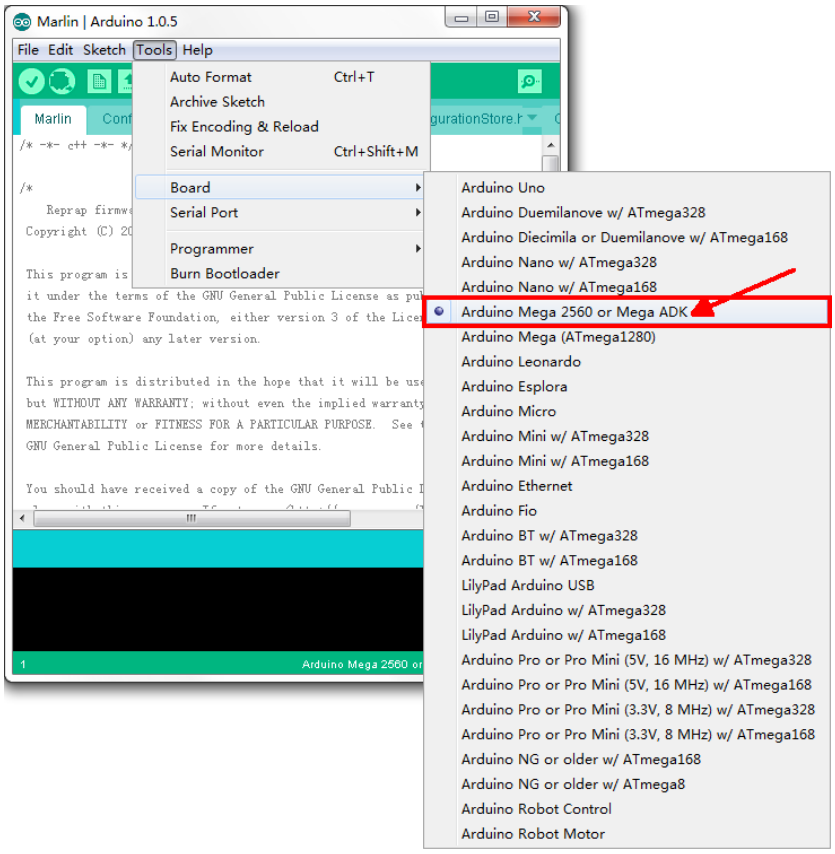
More details http://learn.makeblock.cc/driver_installation/,

3.3 Open the Marlin example

Navigate: Makeblock 3D printer->Marlin.ino

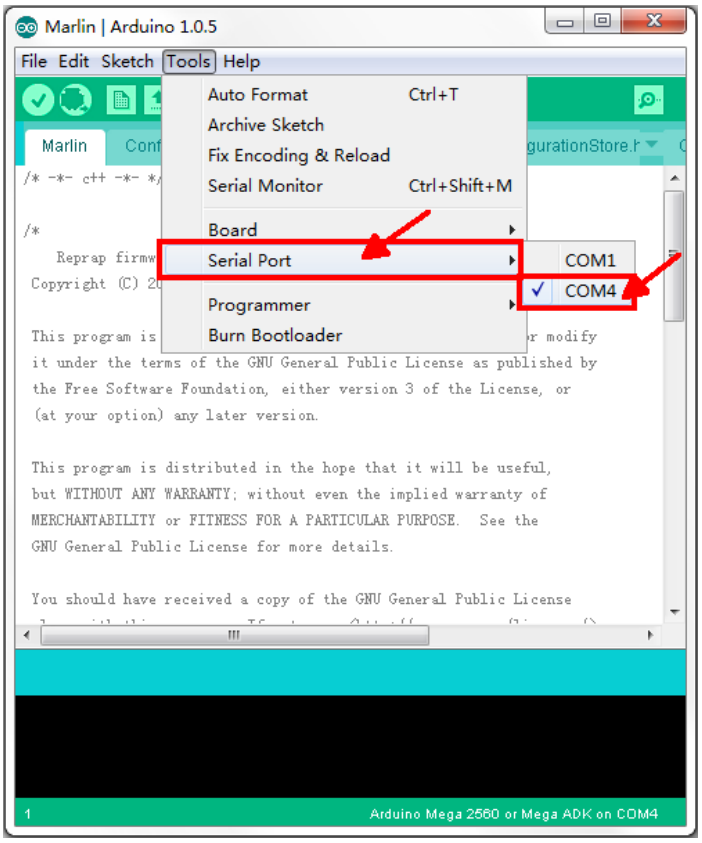


3.4 Select your board->Arduino Mega 2560 or Mega ADK



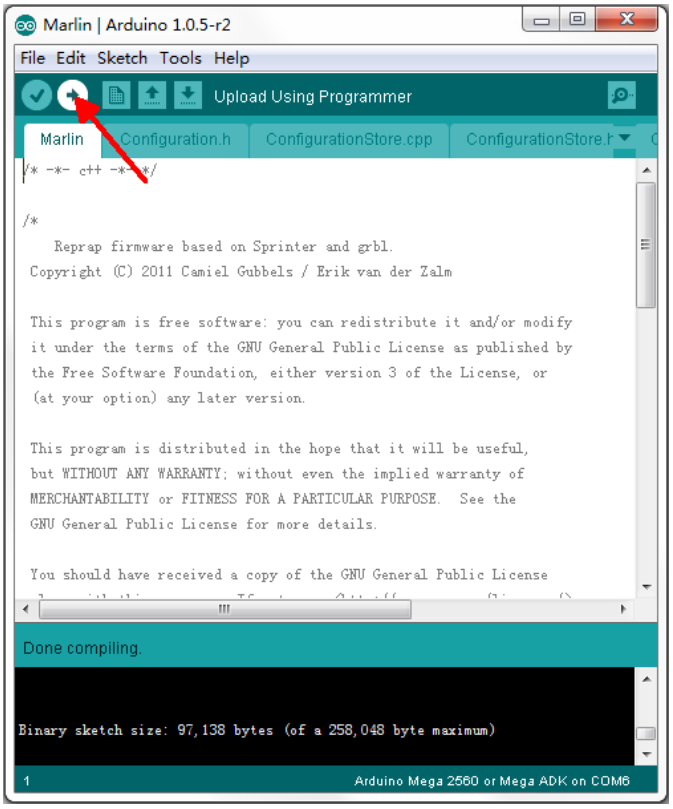
3.5 Select your serial port

Select the serial device of the Arduino board from the Tools | Serial Port menu. This is likely to be COM3 or higher (COM1and COM2 are usually reserved for hardware serial ports). To find out, you can disconnect your Arduino board and re-open the menu; the entry that disappears should be the Arduino board. Reconnect the board and select that serial port.



3.6 Upload the program

Now, simply click the "Upload" button in the environment. Wait a few seconds - you should see the RX and TX leds on the board flashing. If the upload is successful, the message "Done uploading." will appear in the status bar.


Marlin | Arduino 1.0.5-r2
File Edit Sketch Tools Help
Upload Using Programmer
Marlin
Configuration.h
ConfigurationStore.cpp
/* -*- c++ -*- */
/*
Reprap firmware based on Sprinter and grbl.
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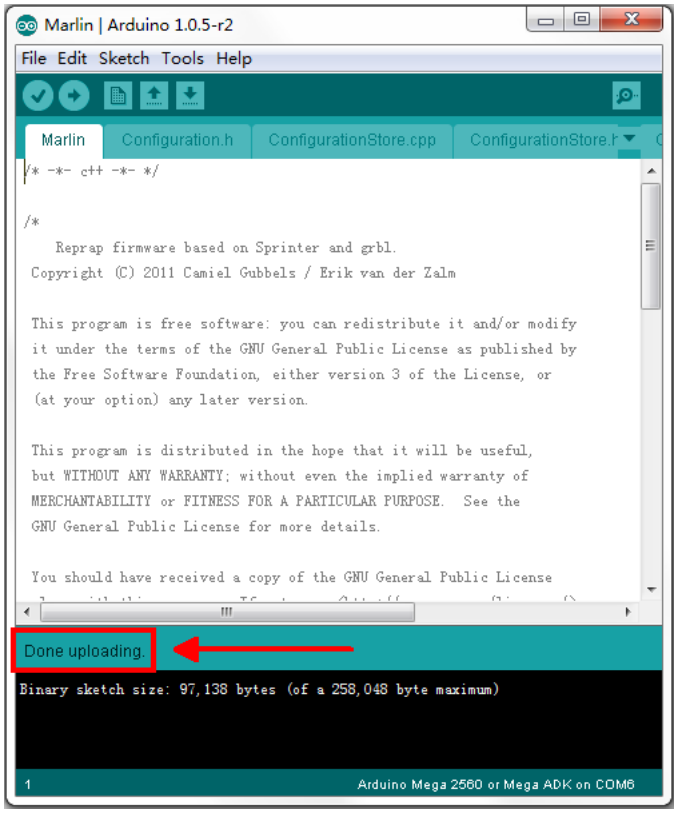
You should have received a copy of the GNU General Public License
Done compiling.
Binary sketch size: 97,138 bytes (of a 258,048 byte maximum)
1
Arduino Mega 2560 or Mega ADK on COM6


Marlin | Arduino 1.0.5-r2
File Edit Sketch Tools Help
Marlin
Configuration.h
ConfigurationStore.cpp
/* -*- c++ -*- */
/*
Reprap firmware based on Sprinter and grbl.
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GNU General Public License for more details.
You should have received a copy of the GNU General Public License
Done uploading.
Binary sketch size: 97,138 bytes (of a 258,048 byte maximum)
1
Arduino Mega 2560 or Mega ADK on COM6