Aladdinbox Skycube/Instone mini Firmware Install Guide

By Andrew DeLisle

Thanks for choosing this special cut of Marlin firmware for the iNstone Mini and Aladdinbox Skycube!

This firmware has manual mesh bed leveling and baby stepping Z enabled. It has also been tuned to work well with the original hardware. These instructions are for Windows based installs. If you need help with a different operating system, please ask on our Facebook Page.

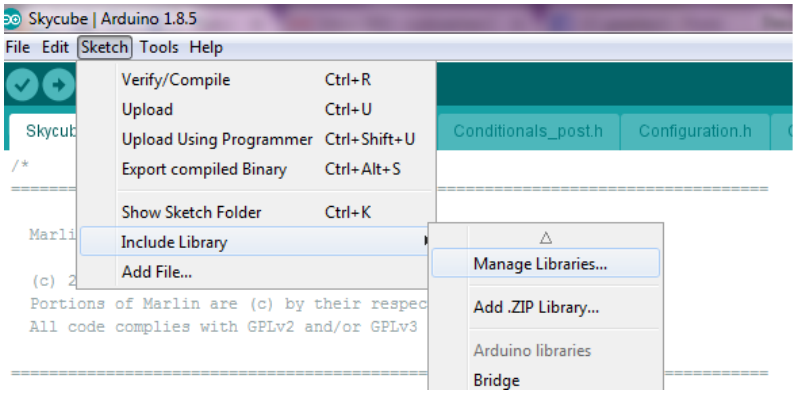
Prep Work

Download and install Arduino 1.8.5 from the official website

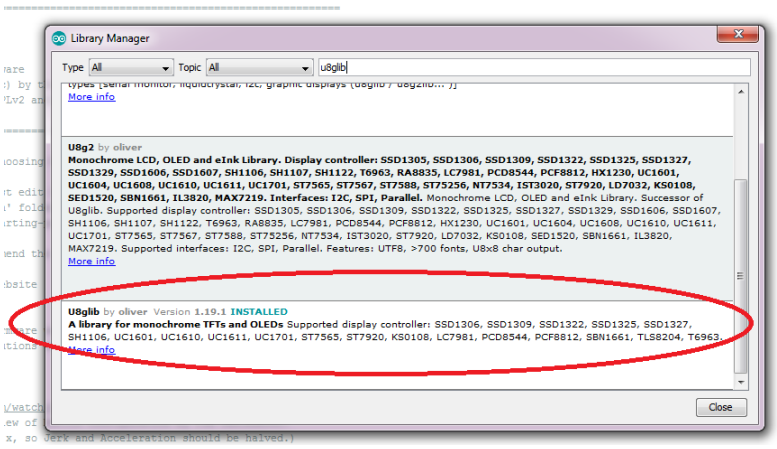
Download and install the drivers for your printer

Configuring the Computer and transferring the Firmware

1. After installing Arduino, open it up and go to Sketch->Manage Library->Add Libraries



2. In the window that opens, search for u8glib and scroll to the bottom of the results and install it.



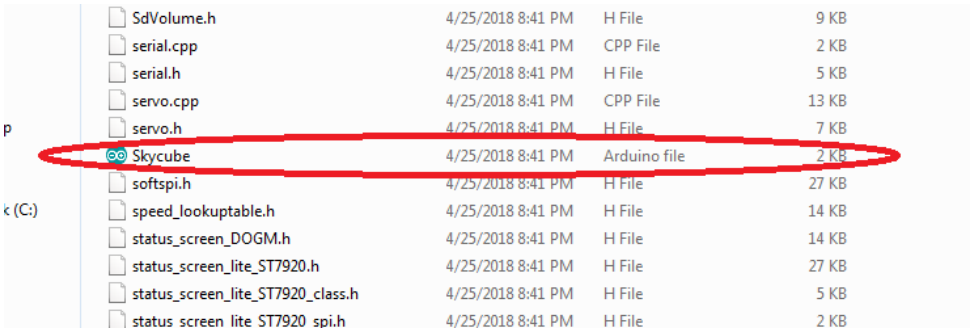
3. Close Arduino.
4. Now copy the **u8g_dev_uc1701_mini12864.c** file from the zip file into this directory:

C:/Users/(YOUR USERNAME)/My Documents/Arduino/libraries/U8glib-1.19.1/src/clib/

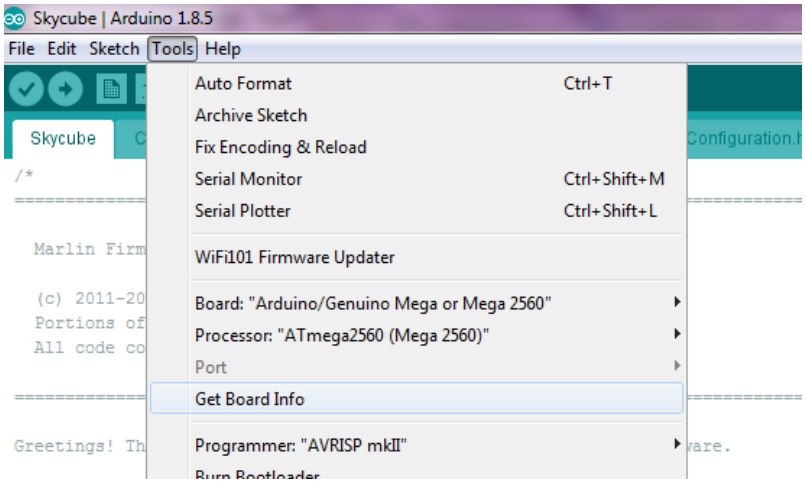
NOTE: Replace (YOUR USERNAME) with your actual username for your computer

NOTE 2: If that file is already there, rename the original file it to u8g_dev_uc1701_mini12864.BAK. Proceed to copy the replacement file.

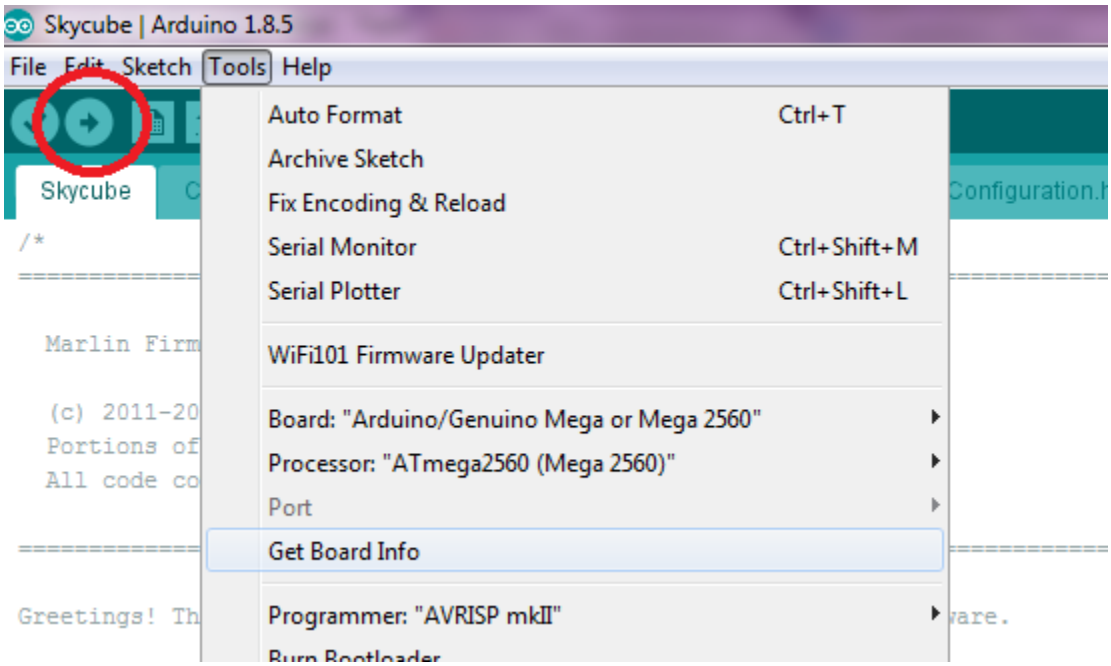
5. Navigate to the folder with the firmware in the 'Skycube' folder and open Skycube.ino



6. Go to the Tools menu and change the Board to 'Arduino/Genuino Mega or Mega 2560', change the processor type to 'ATmega2560 Mega 2560)' and change the port to the one that your printer is connected to.



7. Click the arrow button that points to the right at the top left of the screen. This will send the firmware to the printer.



NOTE 3: Make sure you do not have anything else trying to access the printer or the transfer will fail!

8. Once Arduino says the file is 'Done Uploading' you can close Arduino and enjoy your new Marlin based printer!

If you have any questions about the firmware, the process to use it, or problems uploading it to your printer, please contact us!

if you can dream it we can shape it