Sainsmart UNO(Mega 2560)+SainSmart Sensor Shield V4 Module+SainSmart 1.8 SPI LCD
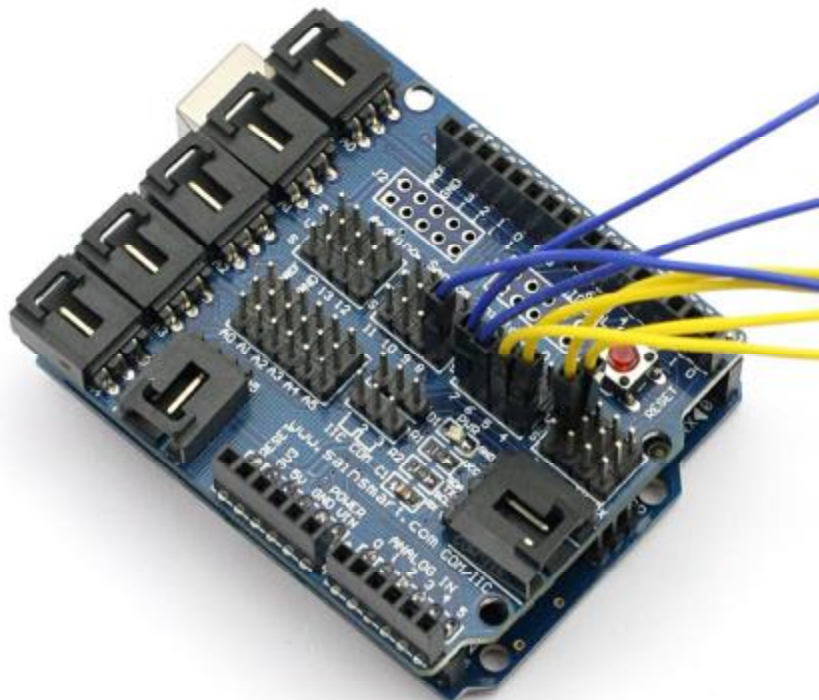
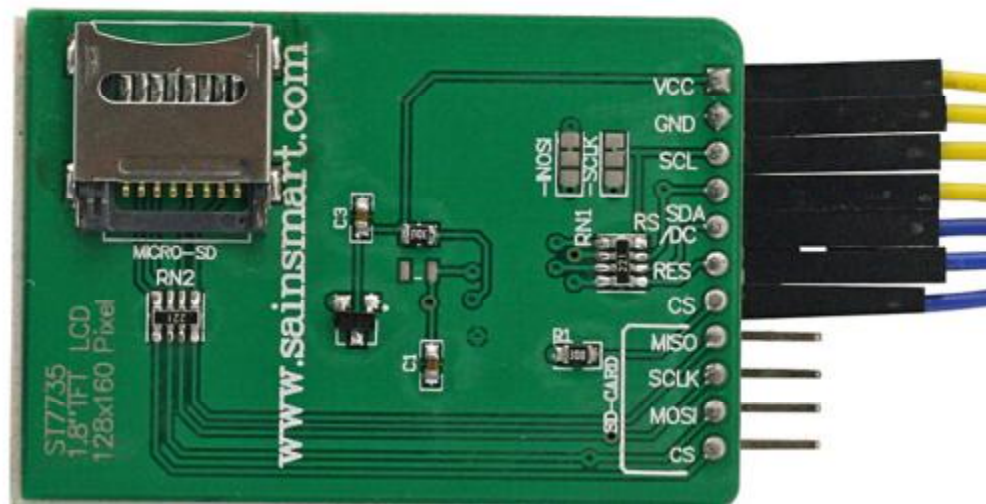Dupont Lines, USB cable and the kit

User Manual:

First of all, mount the Sainsmart Sensor Shied V4 module on top of the Sainsmart UNO and connect the headers. It will look like this:
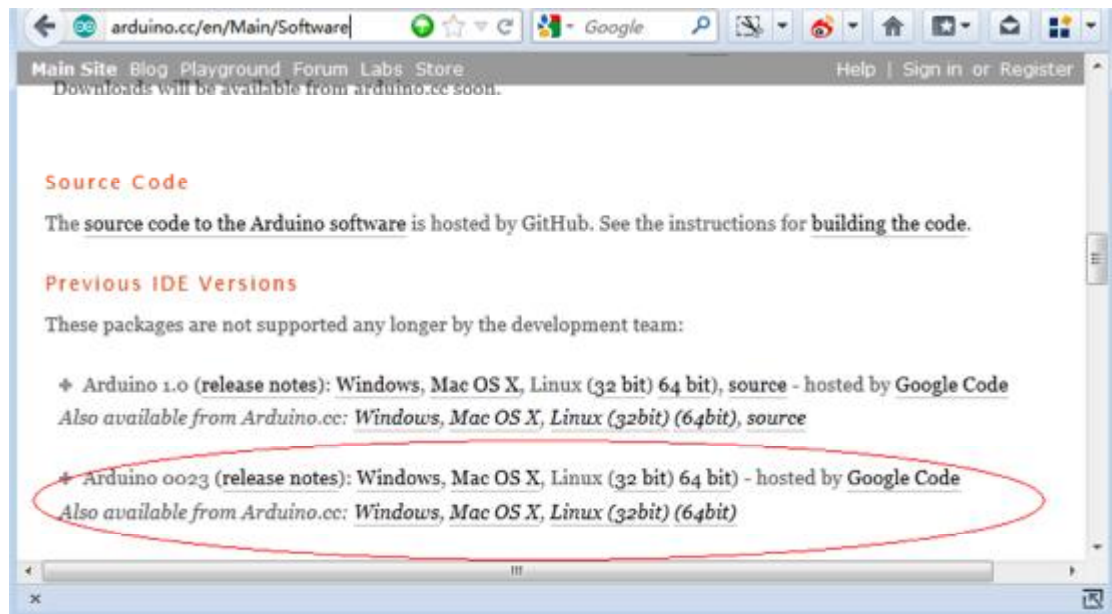

Secondly, connect 6 Dupont Lines, plug one end of the lines in pin 4, 5, 6, 7, 8, G, and V on the sensor shield V4 module. See the following figure.
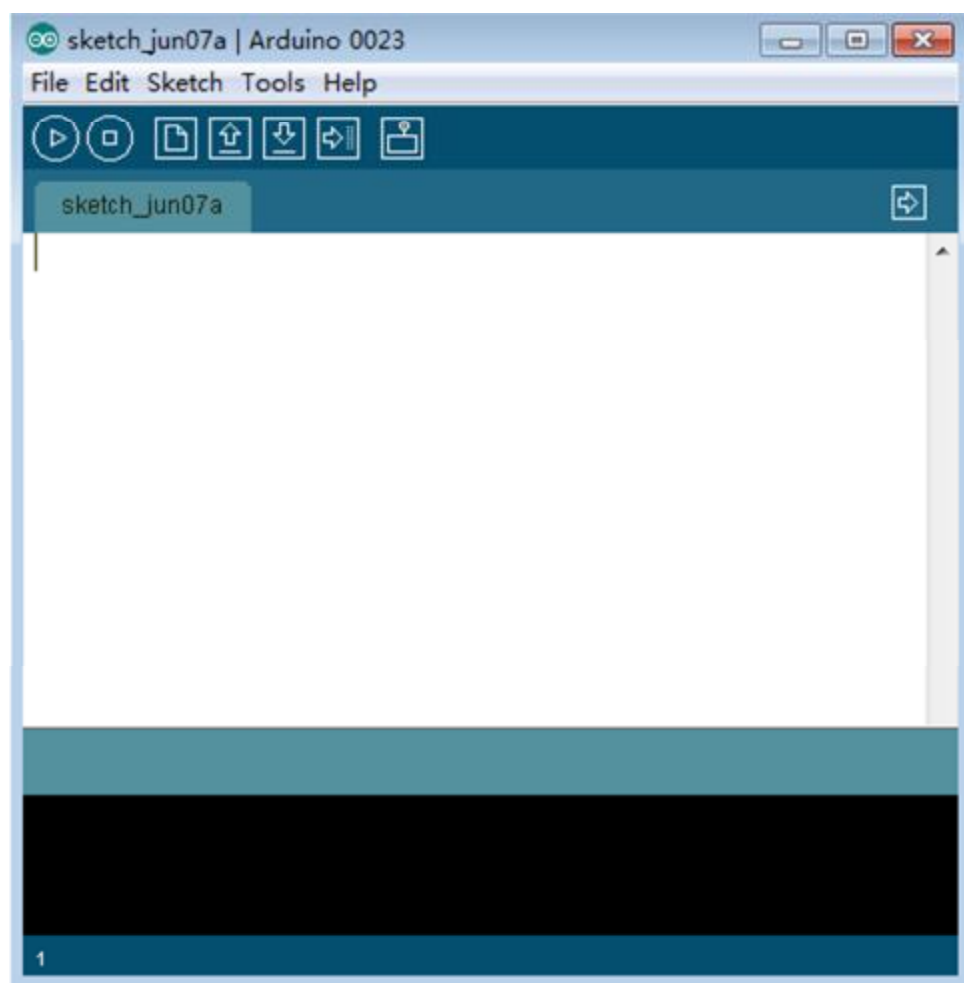
Then the one in pin 4 connects to SCL(SCLK) on the 1.8 SPI LCD, pin 5 connects SDA(MOSI), pin 6 connects CS, pin 7 connects DC, pin 8 connects to RES(RST), pin G connects to GND, and pin V connects to VCC(5V). See the following figure:
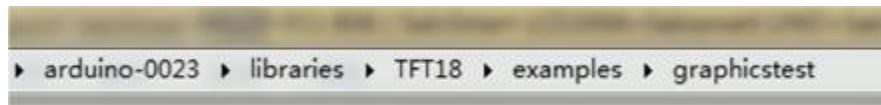

Then connect it to your computer using a USB cable as you normally would. Next, set up your development environment. Go to the Arduino website: www.arduino.cc and click up a software link and download the Arduino software Arduino 023. See the following figure:
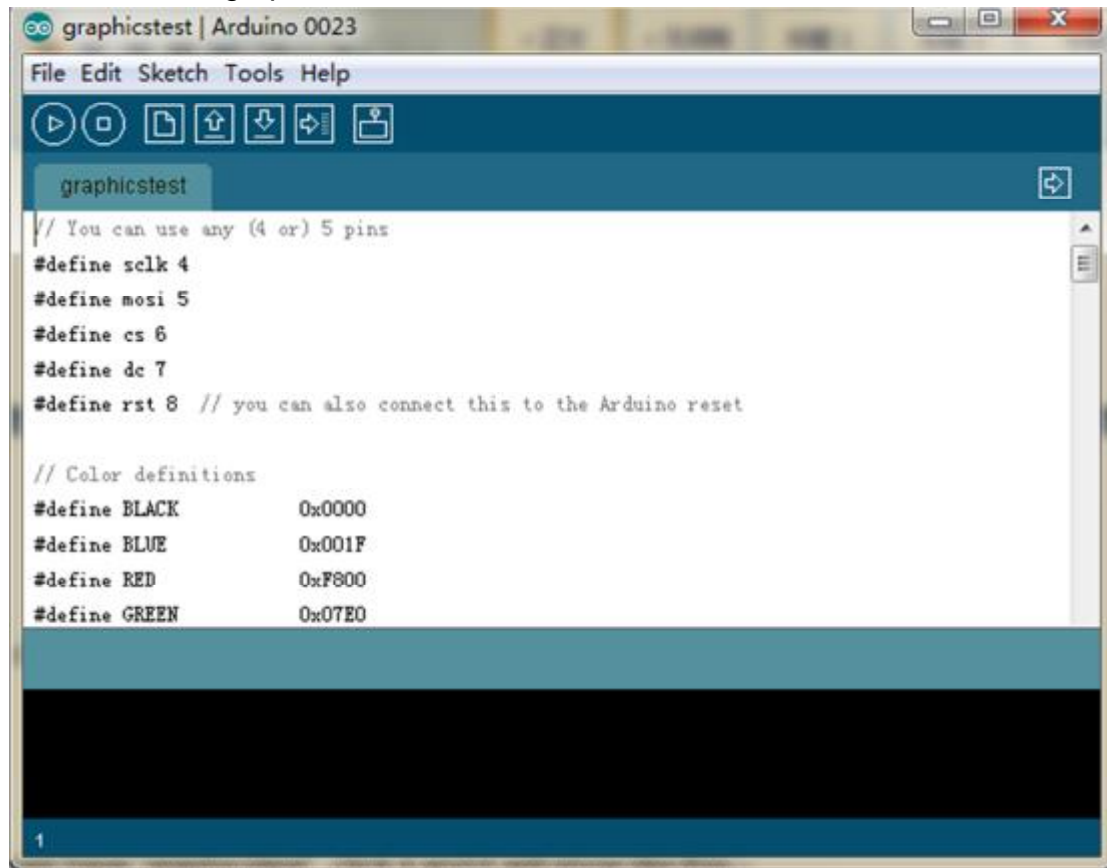
When finish the download, unzip the "arduino0023.zip", open the software and this application will pop up like this:

then download the document "TFT18.rar" provided by Sainsmart , unzip it and put it under the "libraries" file. The path will be like this:

▸ arduino-0023 ▸ libraries ▸ TFT18 ▸ examples ▸ graphicstest

Here we have "graphicstest", click it and it will show like this:

next click up the "upload", then you will have the software in the sainsamrt UNO and the LCD will show like this: