

Quick Arduino Oled Display Tutorial

Created By DerTech

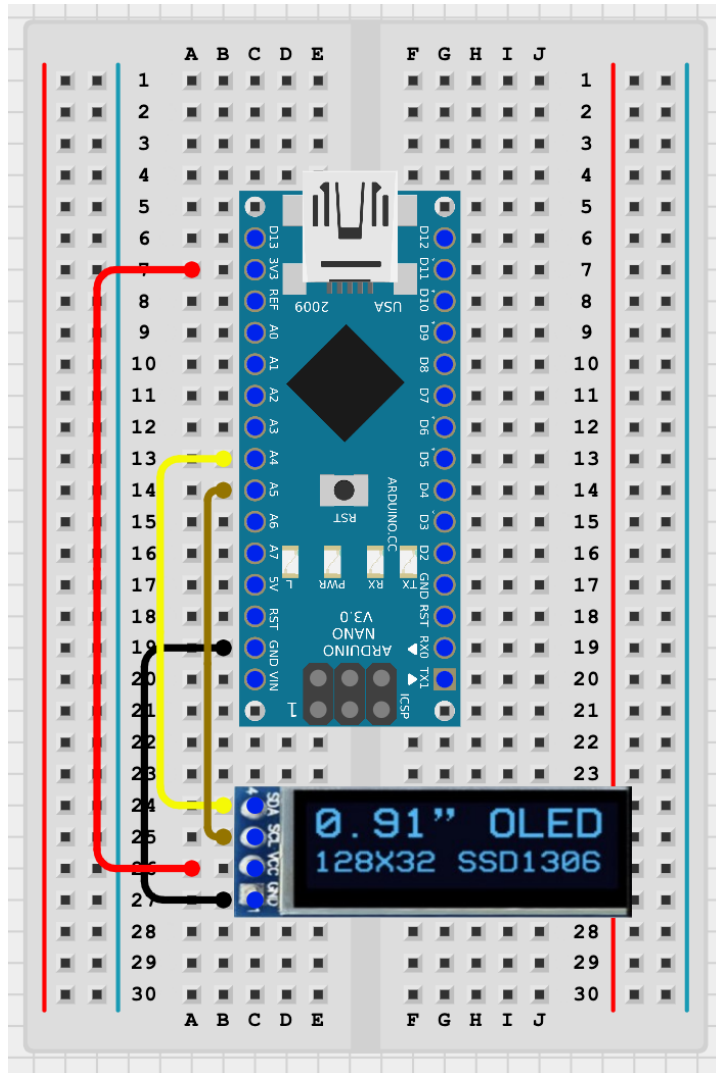
In this tutorial you'll learn how to startup the ssd1306 Oled Display to display text. I'm using the Arduino Nano but you can use different boards like the Arduino Uno because the pins are the same.

Components:

- Oled Display(ssd1306)
- Arduino
- Wires
- Bread Board

You can get the components here: [Components Link](#)

Step 1: Wiring

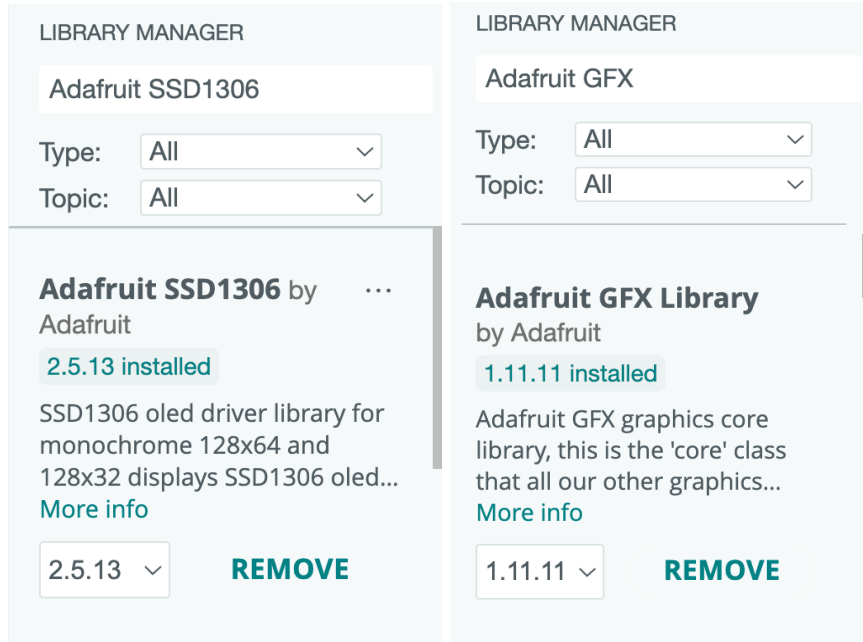


From the Oled Display connect:

- VCC to 3v3
- Gnd to Gnd
- SCL to SCL(A5 on the Arduino Nano)
- SDA to SDA(A4 on the Arduino Nano)

Step 2: Programming

Download these libraries on the arduino IDE to use the Oled Display



Now, upload this code to the arduino. It will display a random integer between 0-20 on the Oled Display. If you want to display words you can replace x with a string instead.

```
#include <Wire.h>
#include <Adafruit_GFX.h>
#include <Adafruit_SSD1306.h>

Adafruit_SSD1306 display(128, 32, &Wire, -1);

void setup() {
  display.begin(SSD1306_SWITCHCAPVCC, 0x3C);
  display.clearDisplay();
  display.setTextColor(WHITE);
  display.setTextSize(2);
  display.setCursor(0, 0);
}

void loop() {
  display.clearDisplay();
  display.setCursor(0, 0);
  int x = (0,20);
  display.print(x); // X can be a string, float, or int
  display.display();
}
```

```
delay(1000);  
}
```

Finale Notes:

This is a quick startup guide, if you want to go more in depth on how to program the display a list of functions is shown [HERE](#).

Enjoy your project!

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