




FOSS DOT USER GUIDE

XIAO SEED STUDIO ESP32C3 edition

This document will teach you how to use your FOSS Dot



Welcome to the Blue Printz Tactical Family!

You have just received your FOSS Dot and are ready to charge it up and maybe even add some of your own reticles!

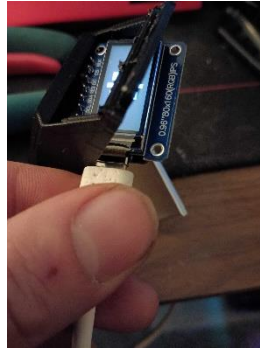
This guide is specific to the Seed Studio version of the logic board.

CHARGING YOUR FOSS DOT

- First remove the Carriage from the foss dot main body. This is done by removing the retention ring on the back and then pushing the carriage up and out.



- Next tilt the screen downward until you can see the usb port.



Insert USBC cable and see the red indicator



ADDING RETICLES: REPORGRAMMING

- The same first steps to remove the carriage and plug it in as to charge it.

I used Arduino IDE so it should be easy enough for you as well.

- If you do not have the Arduino IDE installed do so now -

<https://www.arduino.cc/en/software>



The screenshot shows the Arduino website's software page. At the top is a teal navigation bar with links: HARDWARE, SOFTWARE (highlighted), CLOUD, DOCUMENTATION, COMMUNITY, BLOG, and ABOUT. Below the navigation bar is a section for the "Arduino Cloud Editor" with a description and two buttons: "GO TO CLOUD EDITOR" and "LEARN MORE". Below this is a "Downloads" section. On the left, it features the "Arduino IDE 2.3.4" release, including a description of its features, a link to the "documentation", and a "SOURCE CODE" link to GitHub. On the right, a teal box titled "DOWNLOAD OPTIONS" lists download links for Windows (MSI installer, ZIP file), Linux (AppImage, ZIP file), and macOS (Intel and Apple Silicon versions), along with a "Release Notes" link.

Arduino Cloud Editor

Experience the Arduino IDE online. Whether you're at home or on the go, code, upload and access your projects anytime from your browser **for free**.

[GO TO CLOUD EDITOR](#) [LEARN MORE](#)

Downloads

**Arduino IDE 2.3.4**

The new major release of the Arduino IDE is faster and even more powerful! In addition to a more modern editor and a more responsive interface it features autocompletion, code navigation, and even a live debugger.

For more details, please refer to the [Arduino IDE 2.0 documentation](#).

Nightly builds with the latest bugfixes are available through the section below.

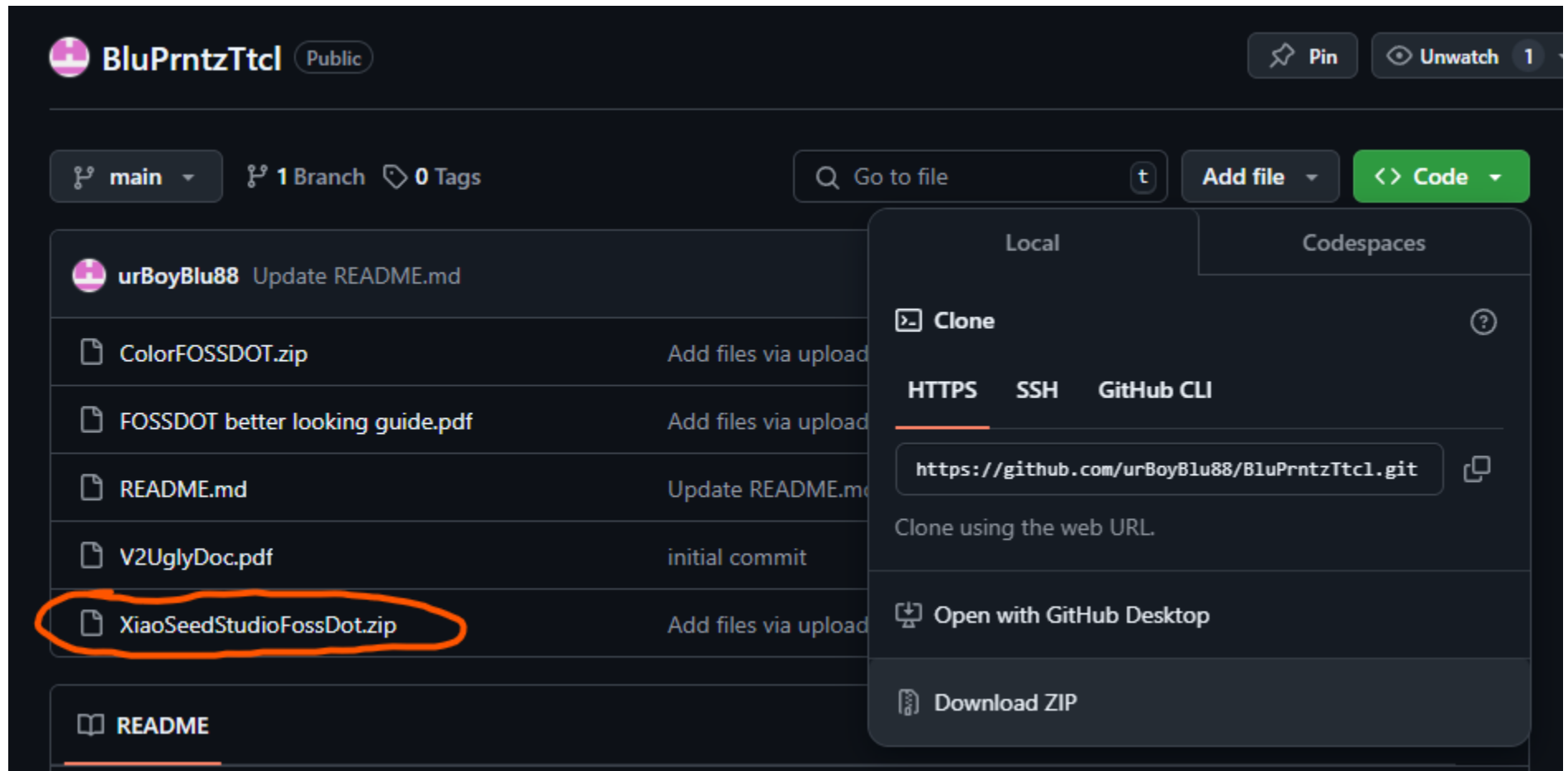
SOURCE CODE
The Arduino IDE 2.0 is open source and its source code is hosted on [GitHub](#).

DOWNLOAD OPTIONS

Windows Win 10 and newer, 64 bits
Windows MSI installer
Windows ZIP file
Linux AppImage 64 bits (X86-64)
Linux ZIP file 64 bits (X86-64)
macOS Intel, 10.15: "Catalina" or newer, 64 bits
macOS Apple Silicon, 11: "Big Sur" or newer, 64 bits

Release Notes

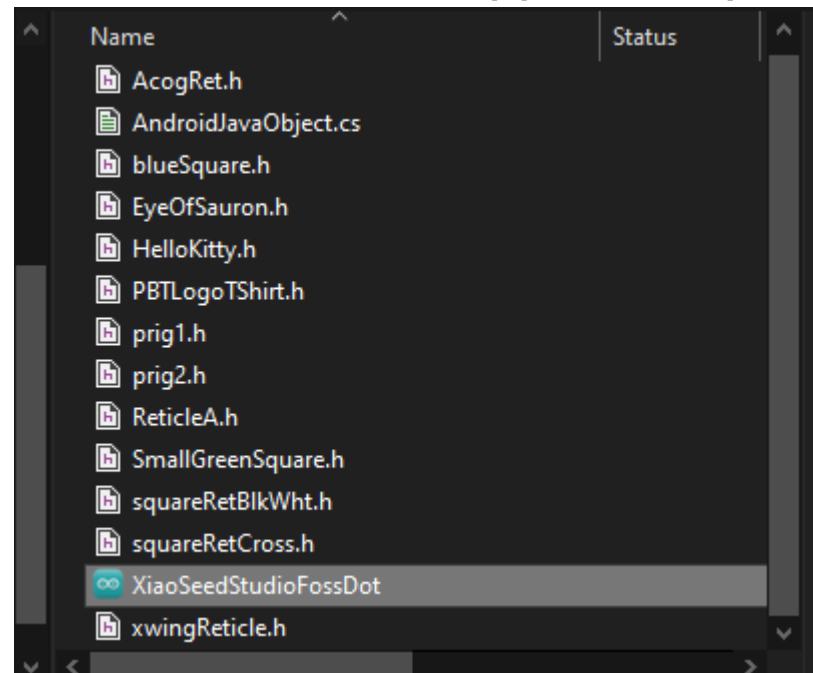
First get the Program:
<https://github.com/urBoyBlu88/BluPrntzTtcl>
-download the XiaoSeedStudioFossDot ZIP



-Unzip the file in a location you want

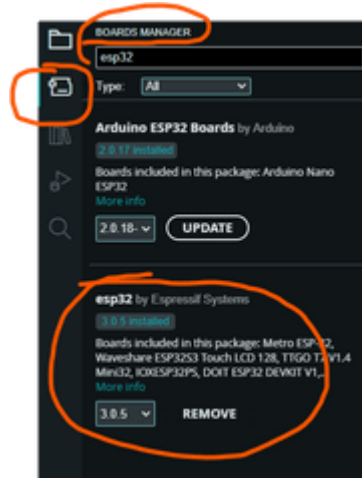
-inside the file-

-run the .ino file (should have the Arduino app icon if you have it downloaded)



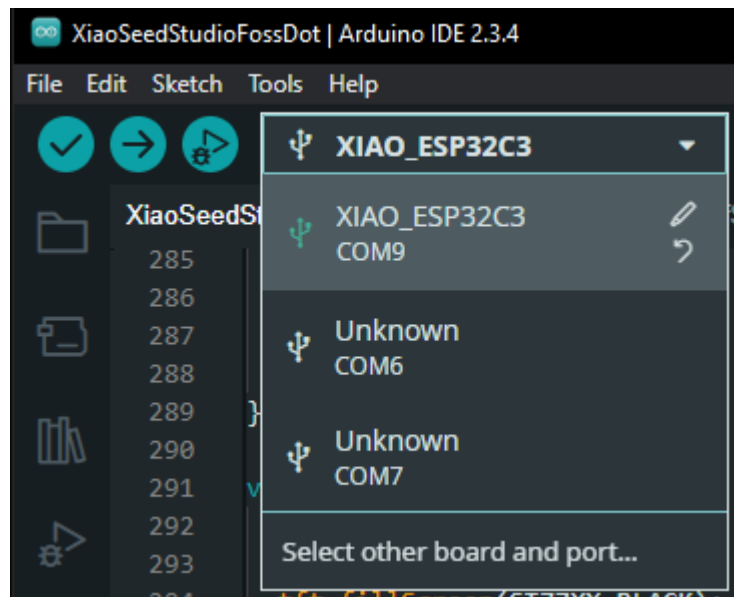
When you open, it will ask you to save, say yes.

-Getting Setup Inside the Arduino IDE-
Download this board manager, updating to the latest version is probably best,
mine may be old



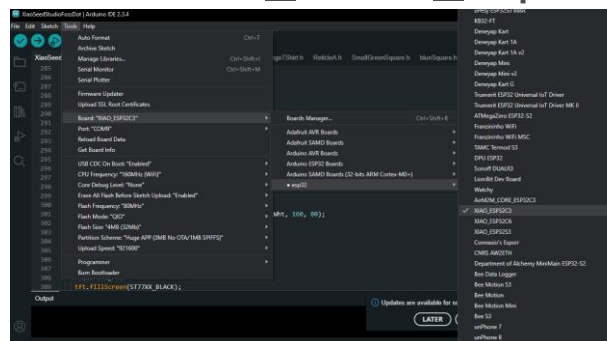
Add the adafruit st7735 and st7789 lib



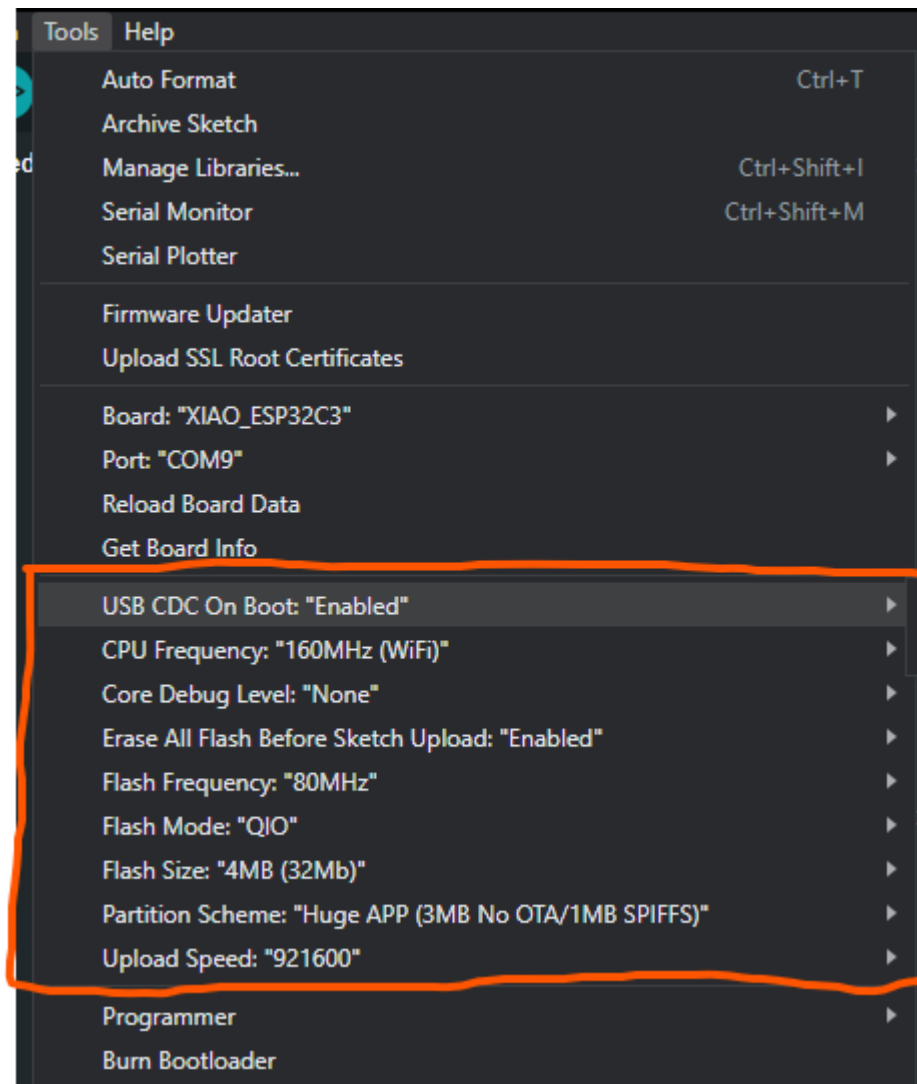


the correct board to select is XIAO_ESP32C3

- if it says esp32 family device:
- Go to tools on the top left
- Board->ESP32->Xiao_Esp32C3

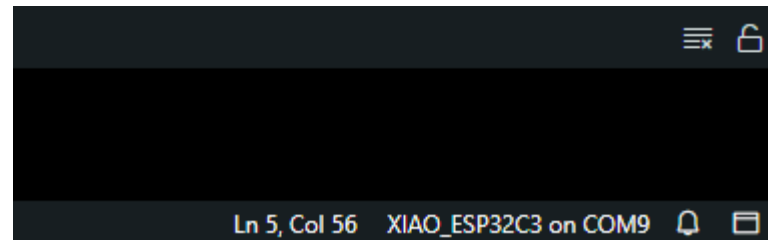


-Make sure the tool settings are correct-



UPLOAD THE CODE

- Make sure your device is connected and visible on a com in the Arduino IDE.



Once you change the program your ready to press upload and test your work!

