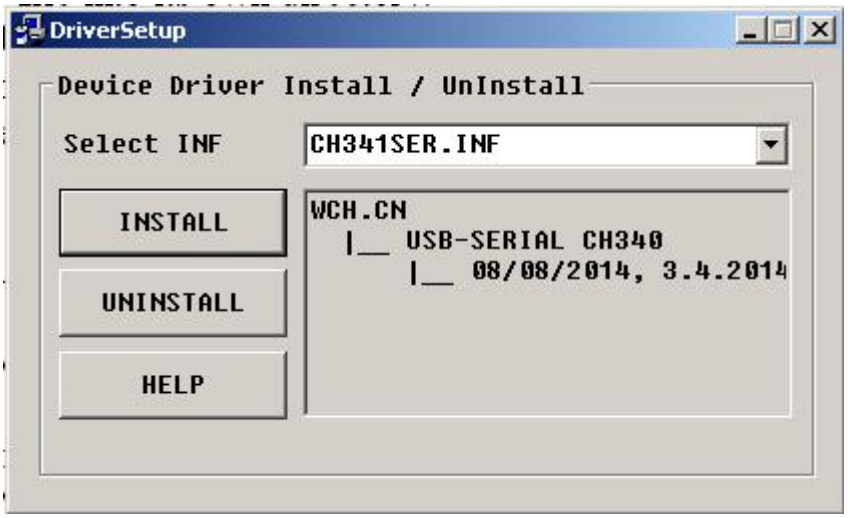
Installation of ESPixelStick Firmware.

Please insure you have set the jumper to the voltage you will be using for your input before powering

If this is the first time you have ever used a arduino/esp device, your system will require a install of the system driver to communicate between your computer and the ESPartstick.

CH340 driver

Extract the zip file and launch the CH341SER.EXE



Next, install the espixelstick firmware into your new art stick.

Download the following ESPixelStick firmware installer:
Stable version Feb 4, 2020 EspixelStick Firmware
Extract the ESPixelStick_Firmware zip file into its own directory.

The compressed file needs to be decompressed. Winrar is a great tool for this. https://rarlab.com/download.htm

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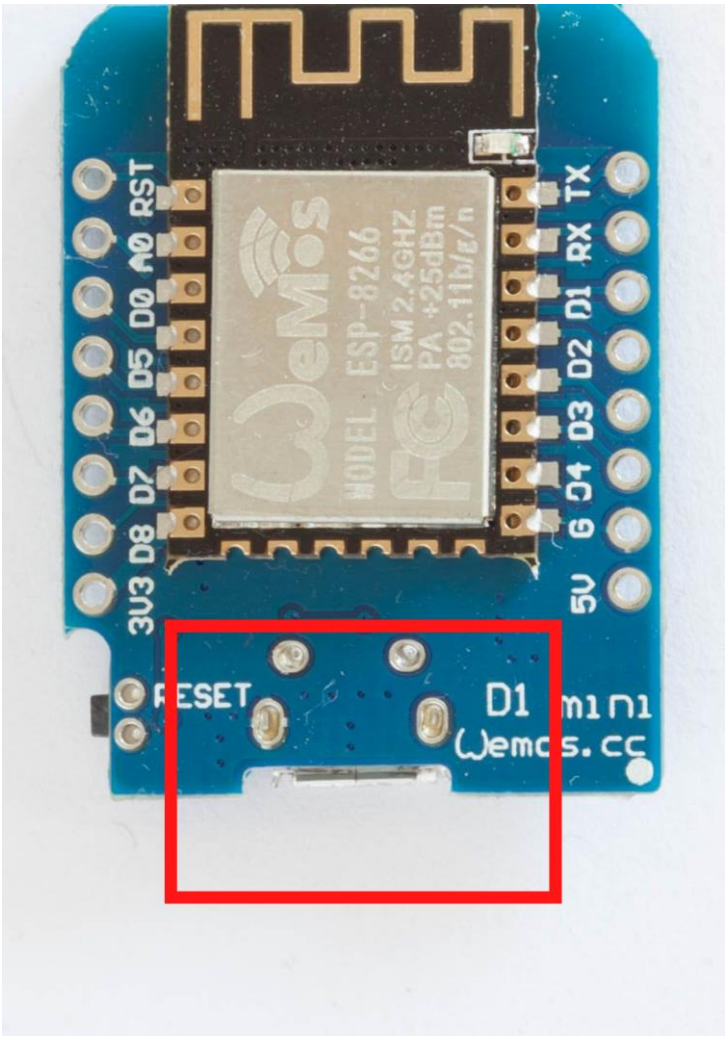
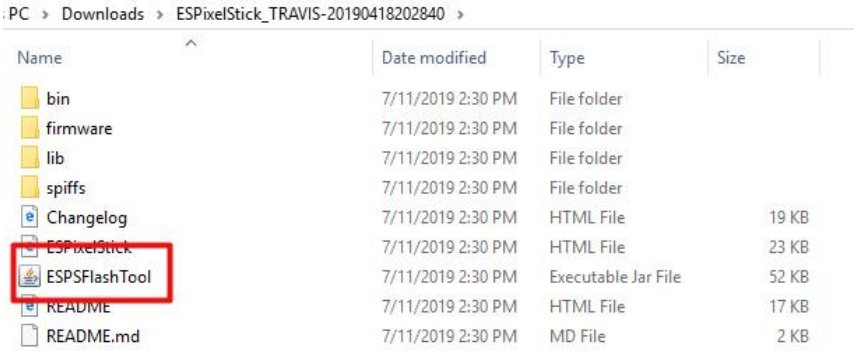
Plug the EspArtStick in from your computer using a standard USB to micro USB cable.

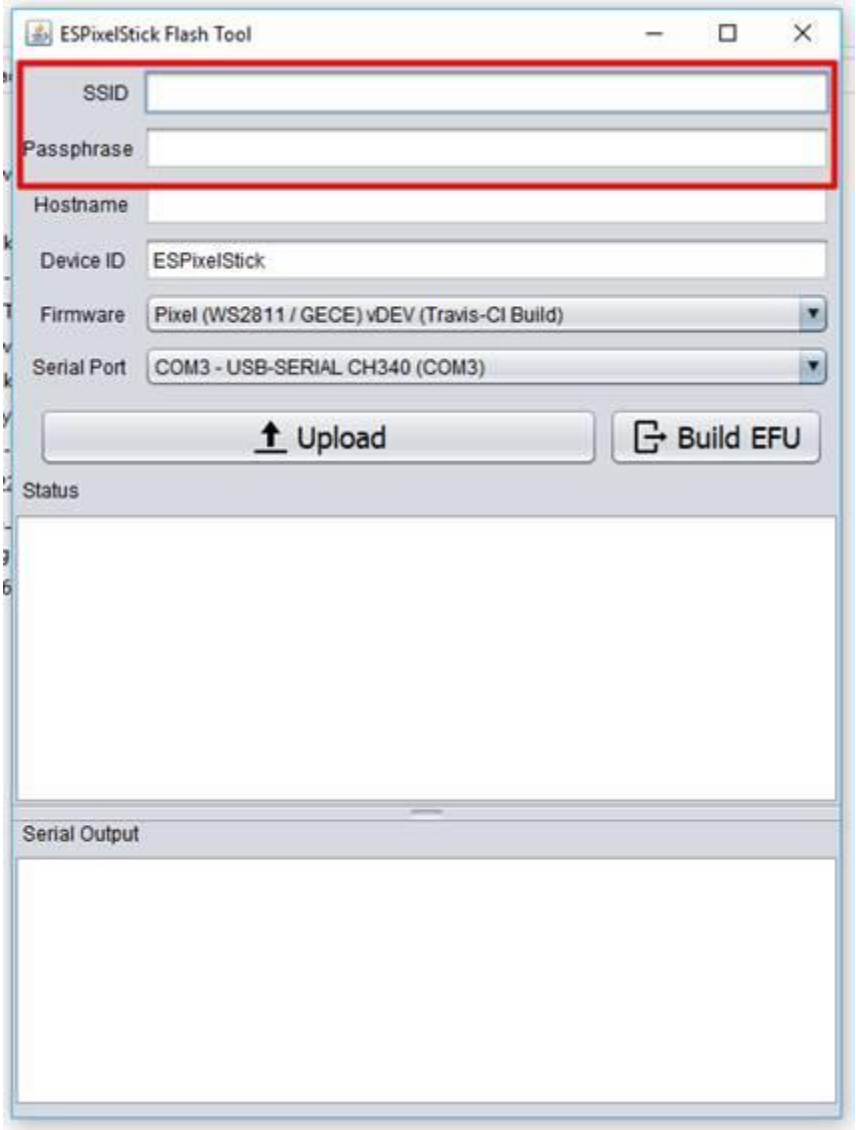


Launch ESPSFlashTool by double-clicking on .

NOTE: if ESPSFlashTool does not launch, you will need the Java runtime Java RunTime

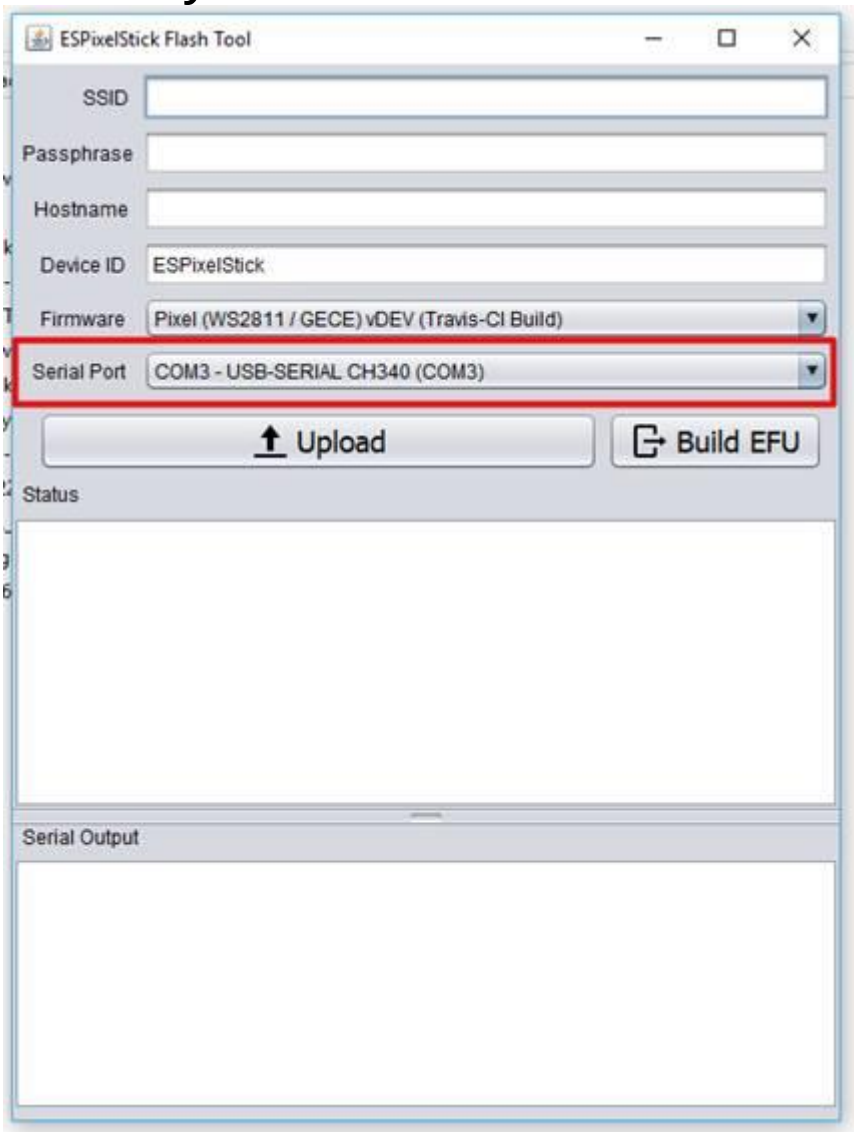


Enter the SSID and Passphrase for your WiFi access point.

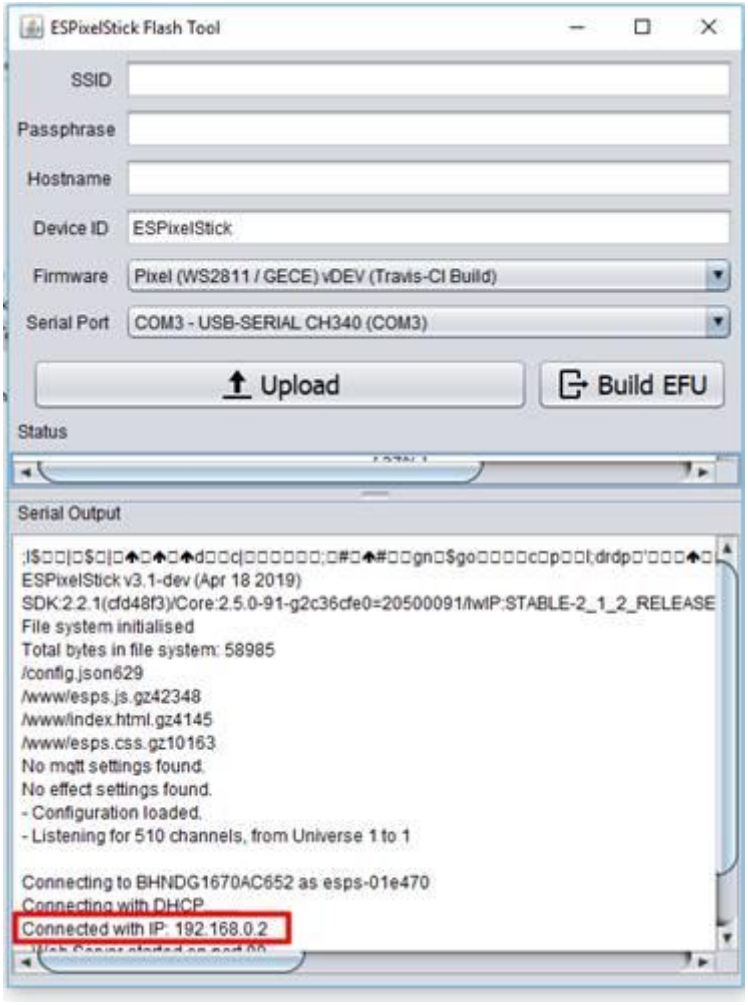


Device ID is just a plain text identifier to help you tell your PixelSticks apart. It can also be changed via the web
interface once programmed. Typically, locations or element names make good ID’s (i.e. – Lower Windows, Mini
Tree 1, Matrix, etc.)

Select Device Mode to choose if you want this to be a Pixel or Serial device. Most use Pixels.
Select your Serial Port.

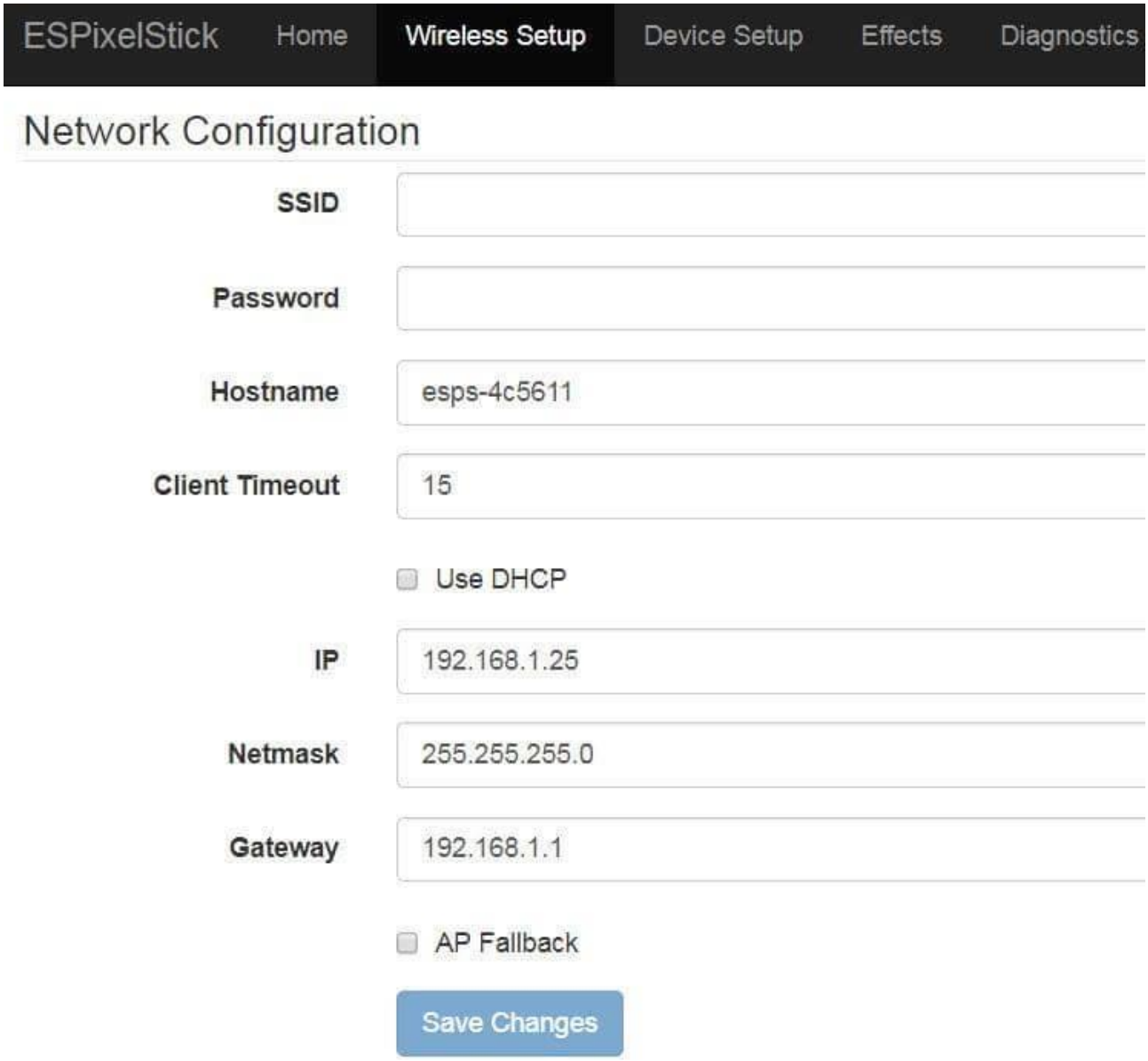


Click Upload to program your ESPixelStick.
Once the upload is complete, the ESPixelStick will relay is configuration status to the Serial Output window.



You can now connect to the ESPArtStick with your web browser for further configuration.

Go to the Wireless tab and turn off DHCP to set your own IP address.



Set the number of pixels used on your EspArtStick

Change the channel to 510. 512 will result in color shifts

Brightness Levels are 1 = 100% and 0.5 is 50%

WS2811 (Bullet Nodes) are RGB and WS2812 (neopixel or strips) GRB

Used for when you create a matrix and the number of zip zgas used