

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.

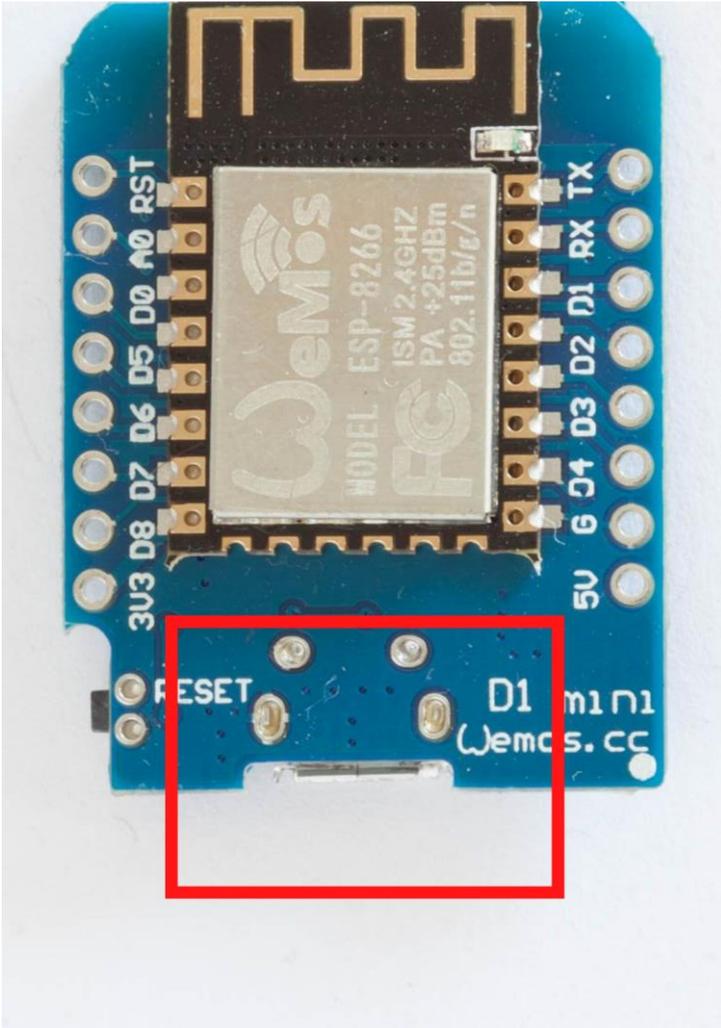
Download the following ESPixelStick firmware installer:

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>

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



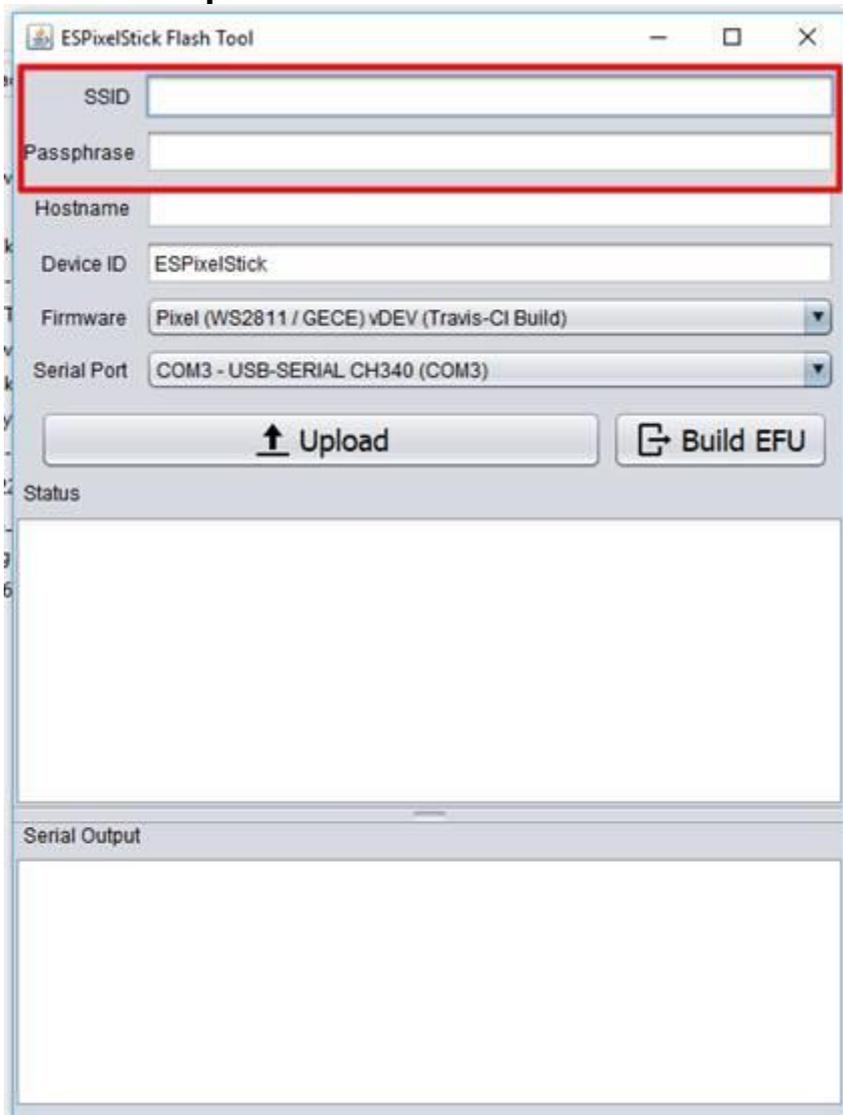
Launch ESPSFlashTool by double-clicking on

NOTE: if ESPSFlashTool does not launch, you will need the Java runtime [Java RunTime](#)

PC > Downloads > ESPixelStick_TRAVIS-20190418202840 >

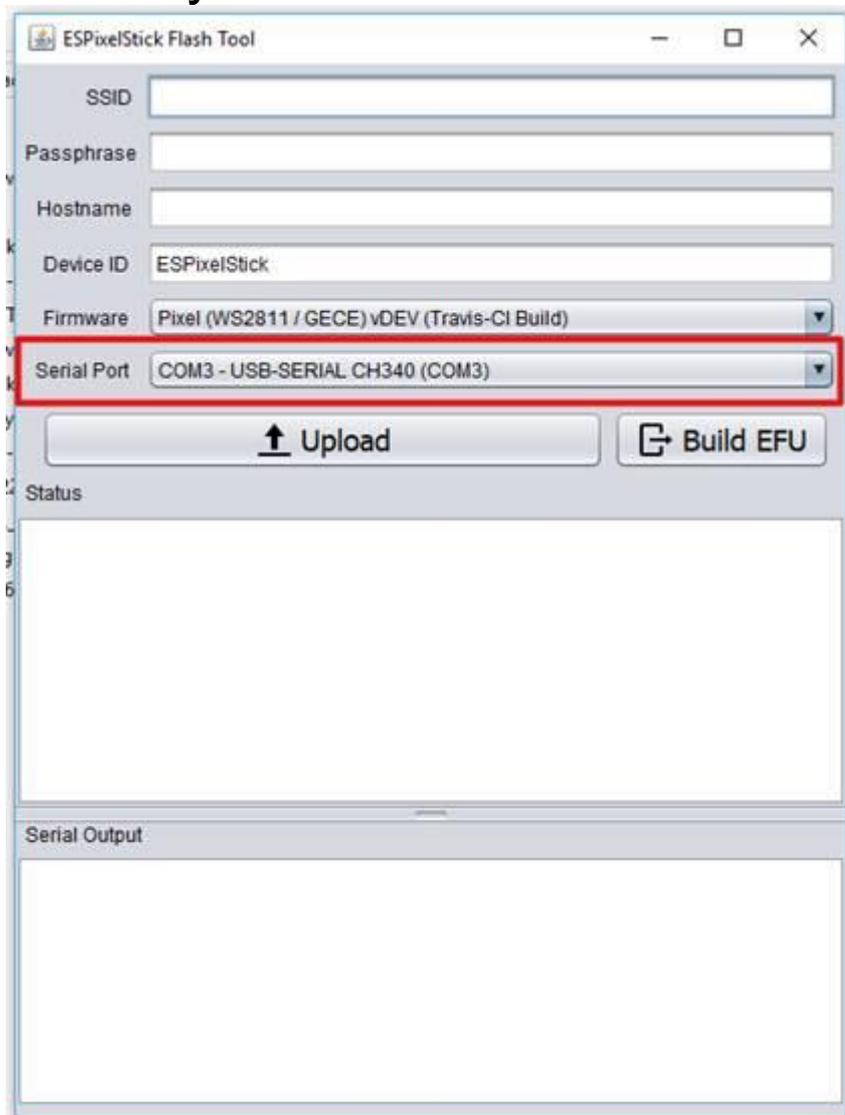
Name	Date modified	Type	Size
bin	7/11/2019 2:30 PM	File folder	
firmware	7/11/2019 2:30 PM	File folder	
lib	7/11/2019 2:30 PM	File folder	
spiffs	7/11/2019 2:30 PM	File folder	
Changelog	7/11/2019 2:30 PM	HTML File	19 KB
ESPixelStick	7/11/2019 2:30 PM	HTML File	23 KB
ESPSFlashTool	7/11/2019 2:30 PM	Executable Jar File	52 KB
README	7/11/2019 2:30 PM	HTML File	17 KB
README.md	7/11/2019 2:30 PM	MD File	2 KB

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 its configuration status to the Serial Output window.

Network Configuration

SSID	<input type="text"/>
Password	<input type="password"/>
Hostname	<input type="text" value="esps-4c5611"/>
Client Timeout	<input type="text" value="15"/>
	<input type="checkbox"/> Use DHCP
IP	<input type="text" value="192.168.1.25"/>
Netmask	<input type="text" value="255.255.255.0"/>
Gateway	<input type="text" value="192.168.1.1"/>
	<input type="checkbox"/> AP Fallback
<input type="button" value="Save Changes"/>	

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

ESPixelStick Home Wireless Setup **Device Setup** Effects Diagnostics

Device Configuration

Device ID: ESPixelStick

Universe: 1

Start Channel: 1

Universe Boundary: 510

Enable Multicast

Pixel Configuration

Pixel Count: 170

Pixel Type: WS2811 800kHz

Zigzag Count: 0

Gamma Value: 2.2

Show Gamma Curve

Refresh Rate: 6ms / 185Hz

Group Size: 1

Color Order: RGB

Brightness: 1

MQTT Configuration

Enable MQTT

[Save Changes](#)