









1) download Flash Download Too

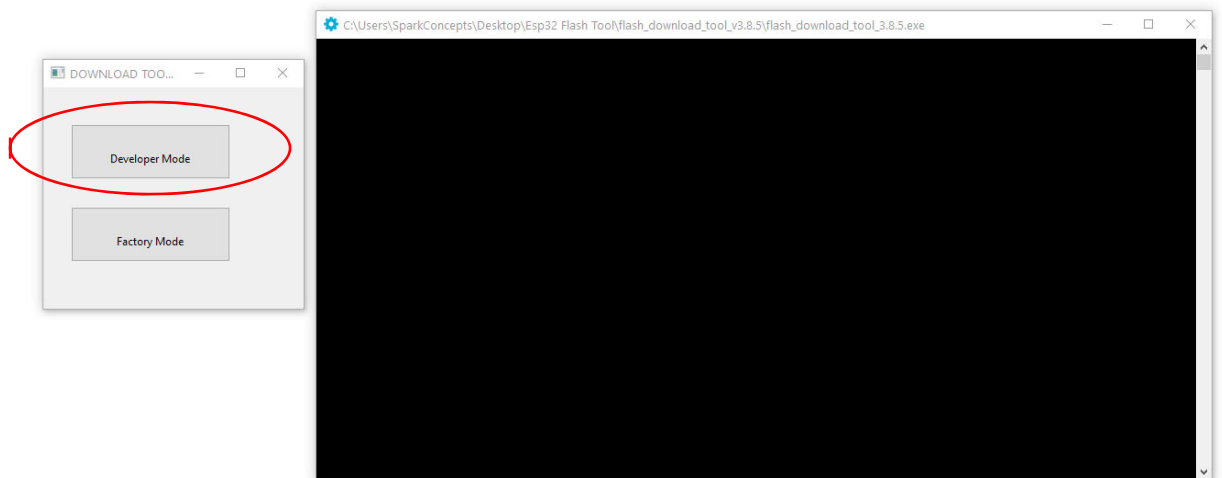
a) https://www.espressif.com/sites/default/files/tools/flash_download_tool_v3.8.5.zip

2) Extract downloaded folder

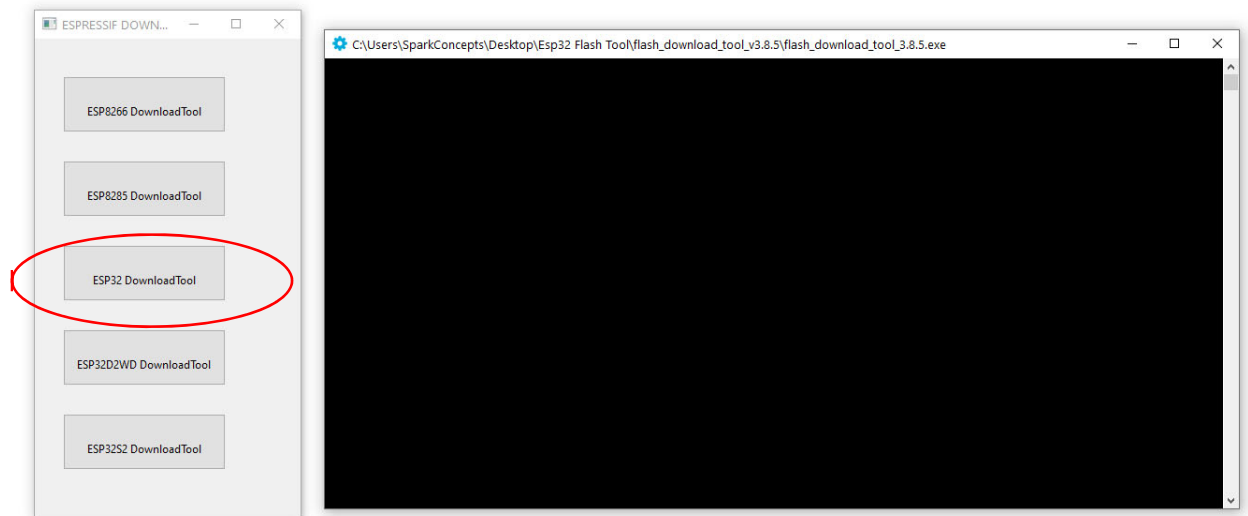
3) Open folder, open "flash_download_tool_3.8.5.exe"

	bin	4/25/2020 7:57 PM	File folder	
	combine	11/27/2020 11:12 AM	File folder	
	configure	11/27/2020 11:12 AM	File folder	
	doc	11/27/2020 11:12 AM	File folder	
	init_data	11/27/2020 11:12 AM	File folder	
	RESOURCE	11/27/2020 11:12 AM	File folder	
	flash_download_tool_3.8.5.exe	11/27/2020 11:12 AM	Application	13,834 KB
	Readme.pdf	11/27/2020 11:12 AM	Adobe Acrobat D...	455 KB

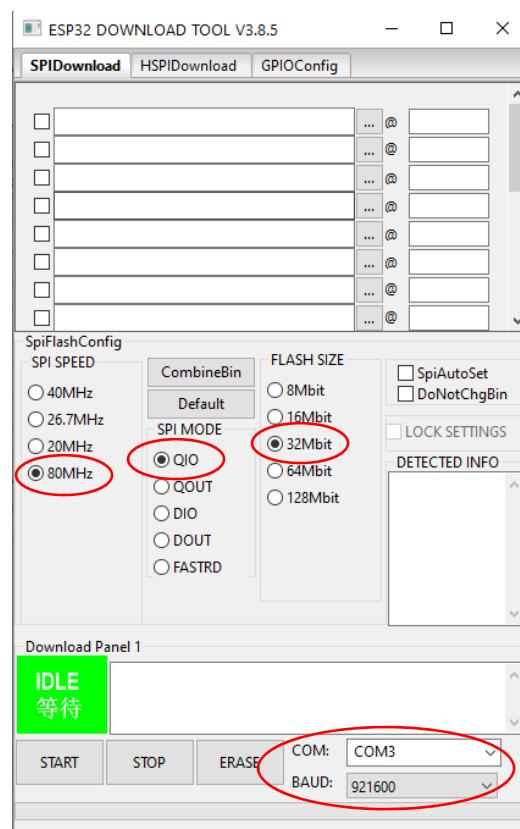
4) Two Windows popup. Select "Developer Mode" in the grey window



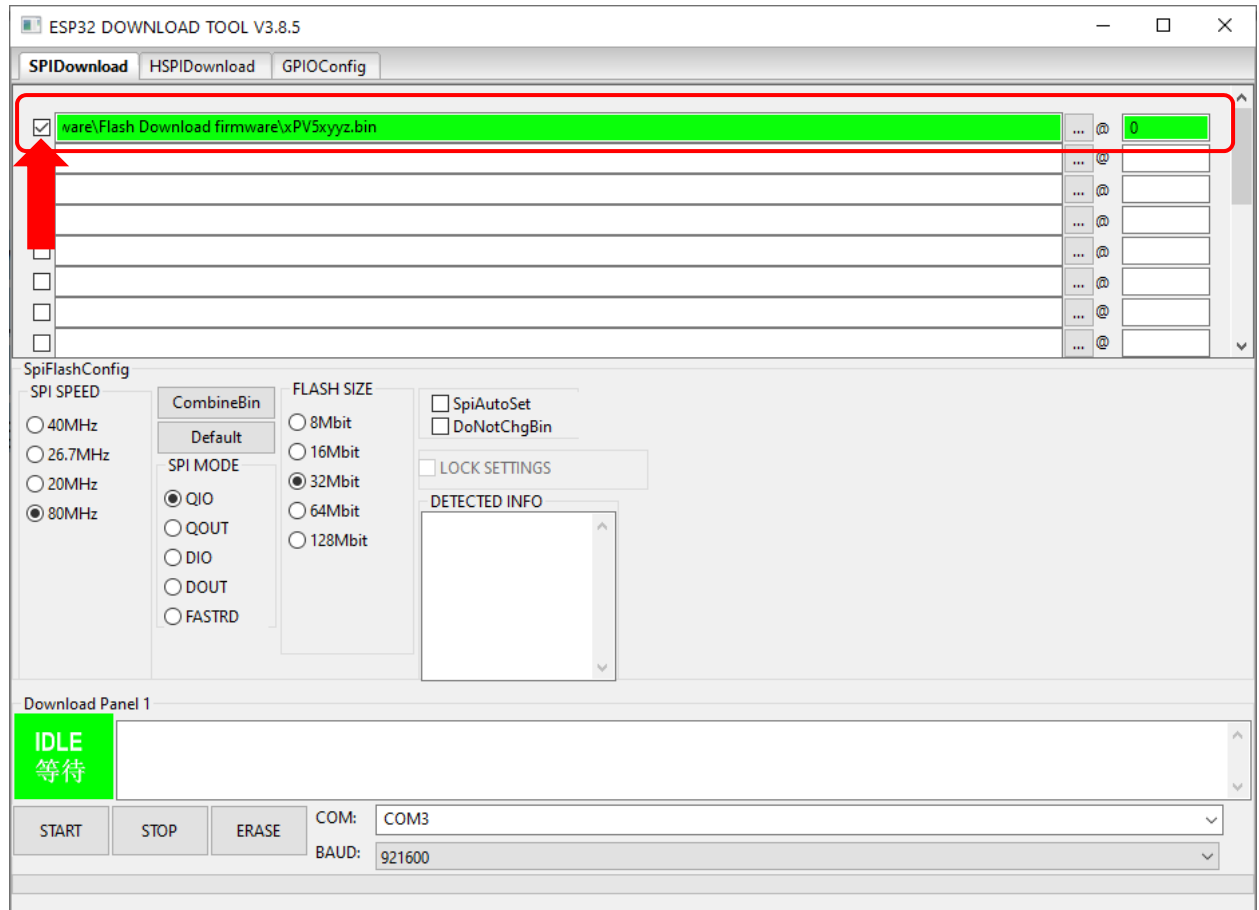
5) Select “ESP32 DownloadTool”



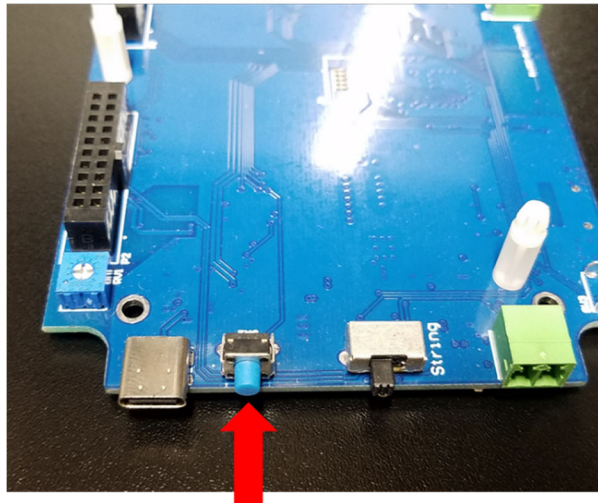
6) Select: 80MHz, QIO, and 32Mbit. Then Select the com port of the ESP, and BAUD: 921600



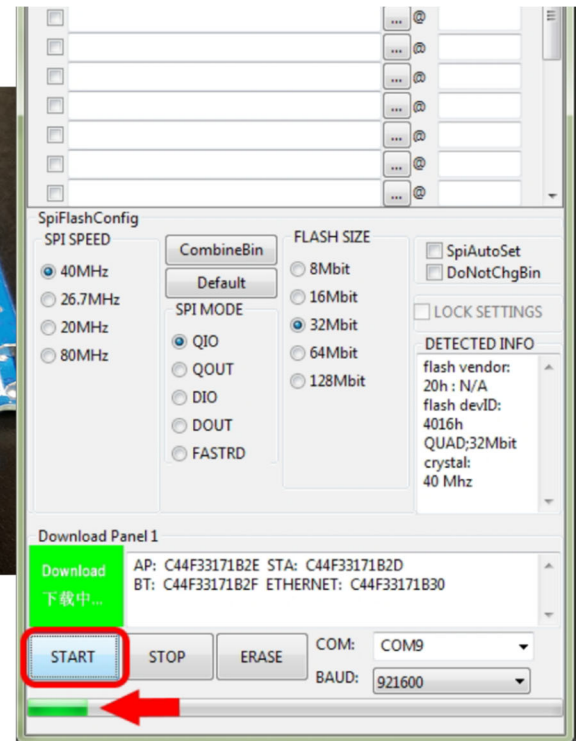
- 7) Click the button shown here below and select the xPV5xyz.bin file. Click on the empty field to the right of the @ sign and write 0. Make sure the check box next to the file name is marked, otherwise the file won't be programmed.



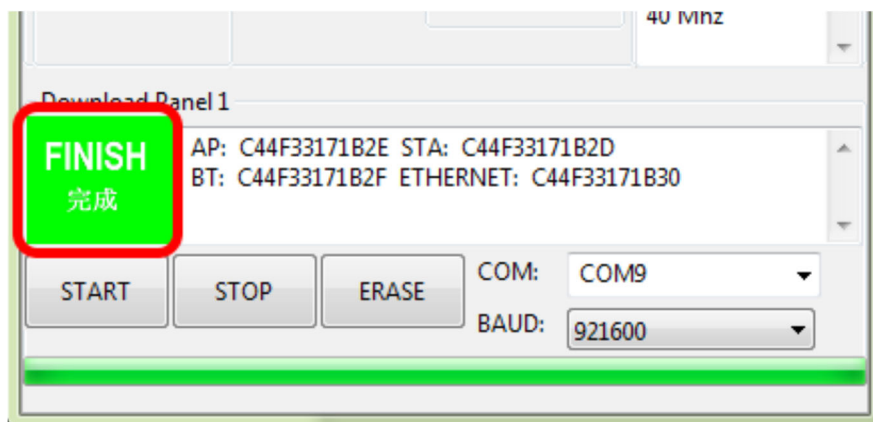
- 8) Press and hold the program button (SW2 on silkscreen) on the board module while you begin to upload the firmware with the START button. You can release the boot button once the green bar showing the upload status has appeared.



Press and Hold, then
press START



- 9) Wait until the firmware has been uploaded completely. If everything has gone smoothly, the word FINISH will appear on the green panel.



- 10) Repeat Steps 6 – 9 with the remaining boards to be programmed.