

Flash-tool burning firmware

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1、Download Flash Tools

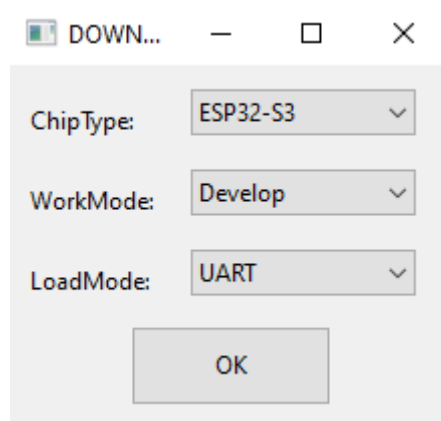
Download URL:

<https://www.espressif.com.cn/zh-hans/support/download/other-tools>

Flash Download Tool

<input type="checkbox"/> Title	Platform	Version	Release Date ▾	Download
<input type="checkbox"/> + Flash Download Tool	Windows PC	V3.9.5	2023.06.12	

Unzip to get flash_download_tool, double-click to open it. Select the serial port to burn ESP32-S3. Click OK to open the burning tool.



2、Configure the burning tool

Copy the compiled bin file from the project (take the main project as an example) to the bin folder of the flash-download-tool directory.

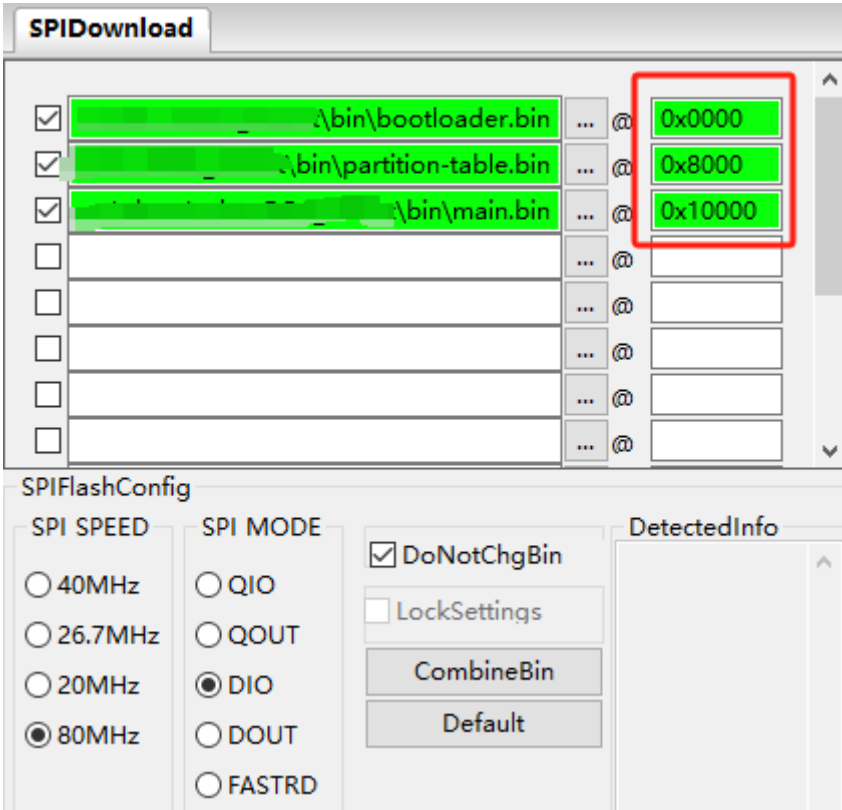
bin file path:

```
build/bootloader/bootloader.bin
build/partition_table/partition-table.bin
build/main.bin
```

ackup (G:) > ESP32 > flash_download_tool_3.9.5 > bin	
Name	Date
bootloader.bin	2024/1/8 11:36
main.bin	2024/1/8 11:36
partition-table.bin	2024/1/8 11:36

In ‘SPIDownload’, select the firmware to be burned to ESP32S3. The corresponding relationship between the file and address is as shown in the table below. Then select the connected COM port and keep other configurations as default.

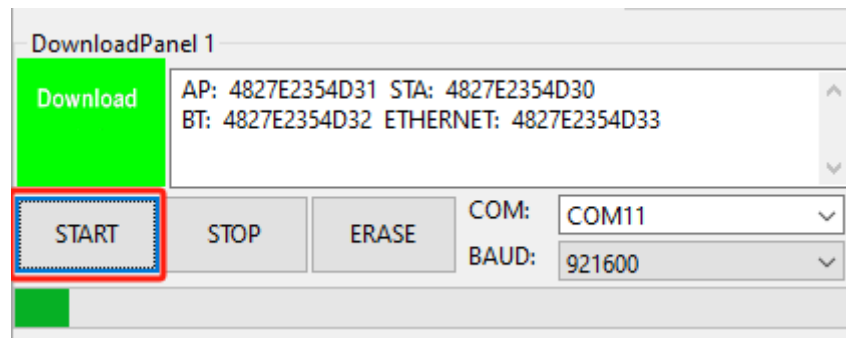
More operating firmware names	Firmware address	Remark
bootloader.bin	0x0000	boot file
partition-table.bin	0x8000	partition table file
main.bin	0x10000	function file



3、Start flashing firmware

Click the Start button and the tool will automatically start burning firmware.

Note: If the firmware burning does not start automatically, please press and hold the boot0 key first, then press the reset button, release the boot0 key, and enter the burning mode manually.



4、 Flashing completed

After the download is completed, a blue FINISH logo will appear. At this time, power off and restart the microcontroller or press the reset button to start the program.

