

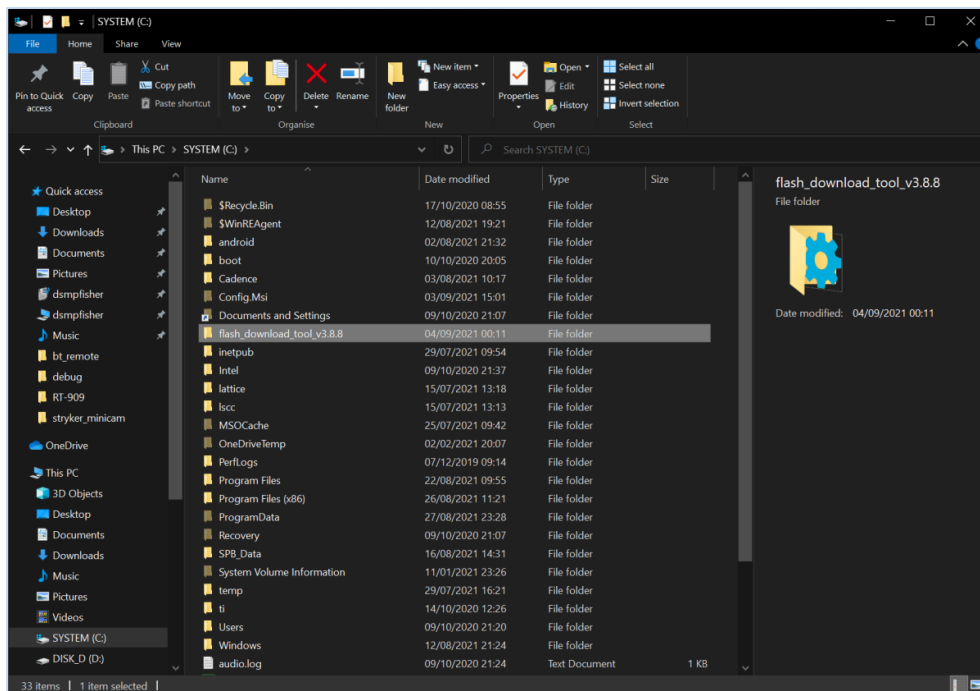
BT-REMOTE

Updating the receiver

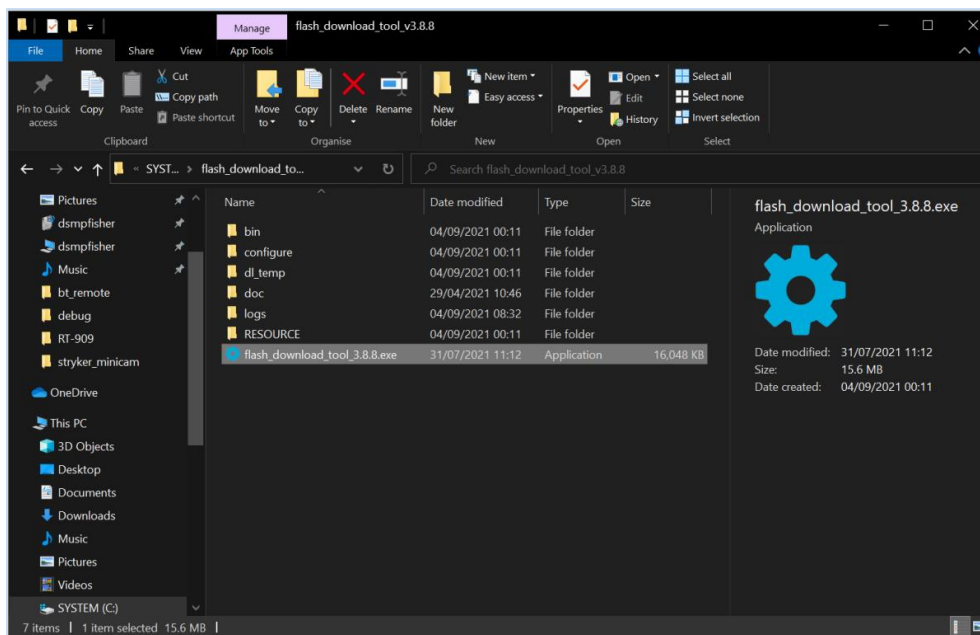
v.1

04/09/2021

Unpack the ZIP archive with the software to the top folder of the C: drive.



Open the extracted folder “*flash_download_tool_v3.8.8*”.



IMPORTANT!:

Ensure the path to the executable is as follows:

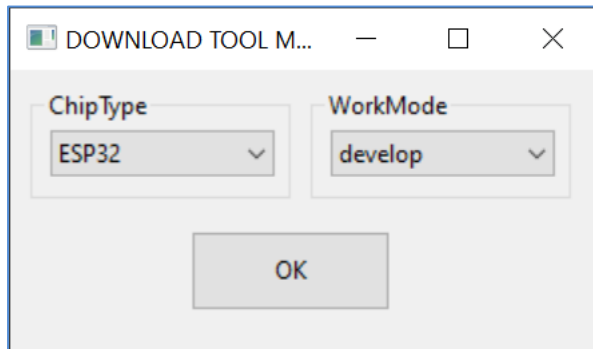
C:\flash_download_tool_v3.8.8\flash_download_tool_3.8.8.exe

Connect the receiver to your PC and wait for the drivers to load.

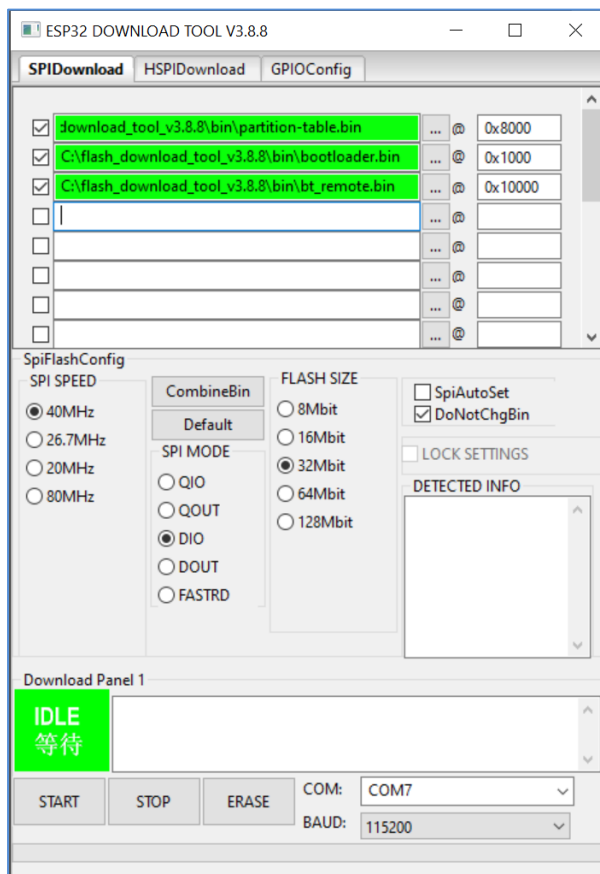
Note the COM port number assigned to the receiver.

Run *flash_download_tool_3.8.8.exe*

In the dialog box select “ChipType” as “ESP32” and click “OK” button.



The main window should now open.



Ensure that the three lines indicating the flash files are not highlighted in red. They should be green or not highlighted at all. Red means that the path to the files is not setup correctly, e.g. the software is not in the following path:

C:\flash_download_tool_v3.8.8\flash_download_tool_3.8.8.exe

Select COM port number assigned to the receiver (e.g. COM7) and click “START” button.

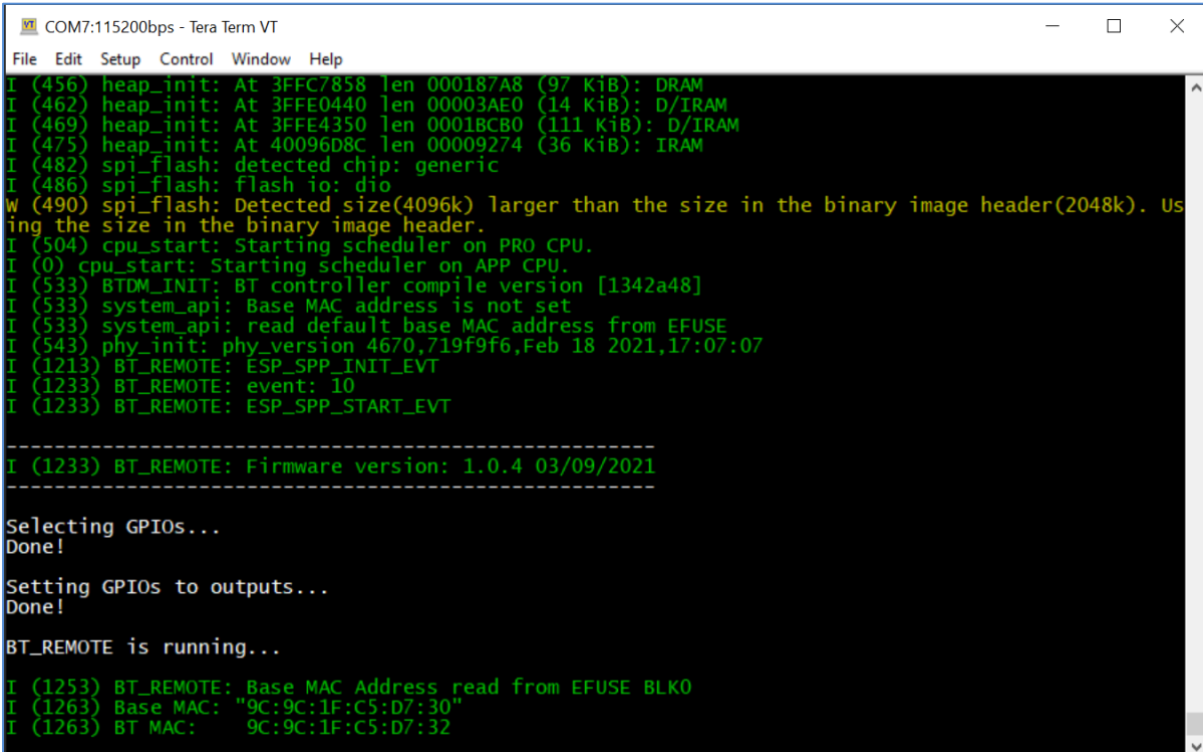
The flashing process should take about 40 seconds to complete.

Disconnect the receiver from the PC and connect it again.

Blue LED on the receiver should start flashing every second.

Open TeraTerm terminal program and select COM port assigned to the receiver. Ensure that the baudrate is set to 115200.

If everything was done correctly, the following information should be visible in the terminal window (note the firmware version information).



```
COM7:115200bps - Tera Term VT
File Edit Setup Control Window Help
I (456) heap_init: At 3FFC7858 len 000187A8 (97 KiB): DRAM
I (462) heap_init: At 3FFE0440 len 00003AE0 (14 KiB): D/IRAM
I (469) heap_init: At 3FFE4350 len 0001BCB0 (111 KiB): D/IRAM
I (475) heap_init: At 40096D8C len 00009274 (36 KiB): IRAM
I (482) spi_flash: detected chip: generic
I (486) spi_flash: flash io: dio
W (490) spi_flash: Detected size(4096k) larger than the size in the binary image header(2048k). Using the size in the binary image header.
I (504) cpu_start: Starting scheduler on PRO CPU.
I (0) cpu_start: Starting scheduler on APP CPU.
I (533) BTDM_INIT: BT controller compile version [1342a48]
I (533) system_api: Base MAC address is not set
I (533) system_api: read default base MAC address from EFUSE
I (543) phy_init: phy_version 4670,719f9f6, Feb 18 2021, 17:07:07
I (1213) BT_REMOTE: ESP_SPP_INIT_EVT
I (1233) BT_REMOTE: event: 10
I (1233) BT_REMOTE: ESP_SPP_START_EVT

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I (1233) BT_REMOTE: Firmware version: 1.0.4 03/09/2021
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Selecting GPIOs...
Done!

Setting GPIOs to outputs...
Done!

BT_REMOTE is running...

I (1253) BT_REMOTE: Base MAC Address read from EFUSE BLK0
I (1263) Base MAC: "9C:9C:1F:C5:D7:30"
I (1263) BT MAC: 9C:9C:1F:C5:D7:32
```

Terminal will show debug messages when the app is connected to the receiver. It may be useful for debugging the problems – if required.

