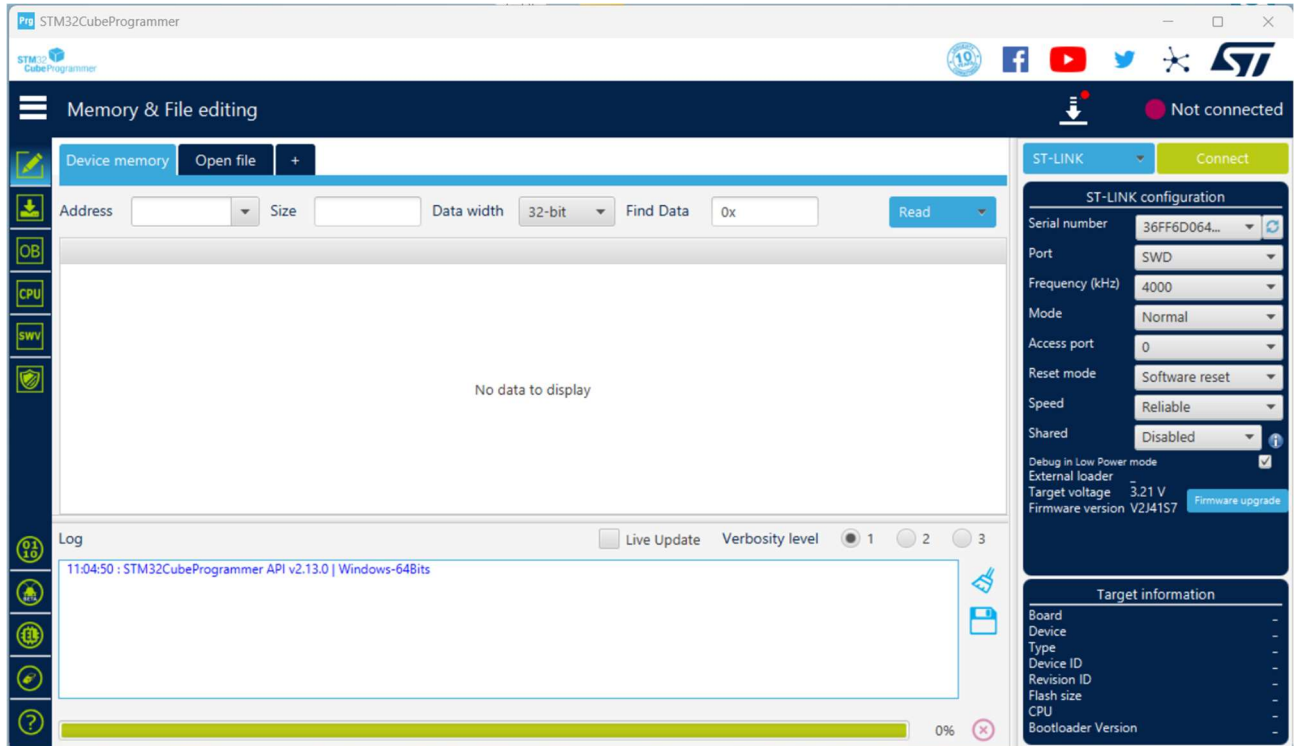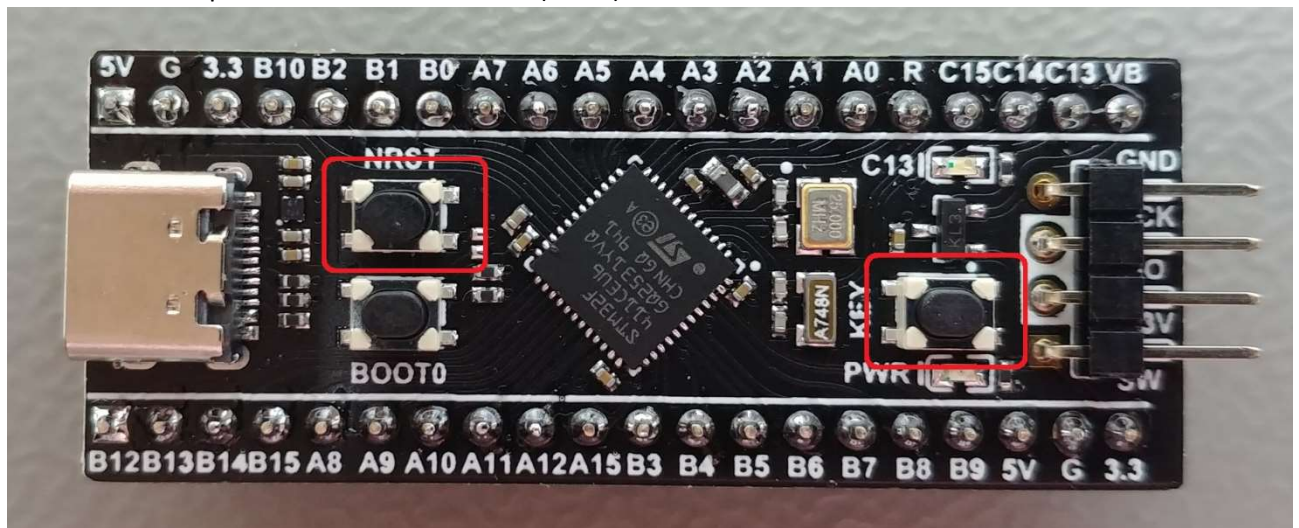# Guide Application Flash

1. Download the programmer STM32CubeProgrammer
2. Run the software

3. Connect the BlackPill board using the USB keeping pressed the PWR button. Or keep pressed the PWR button and press and release the NRST (Reset) button.
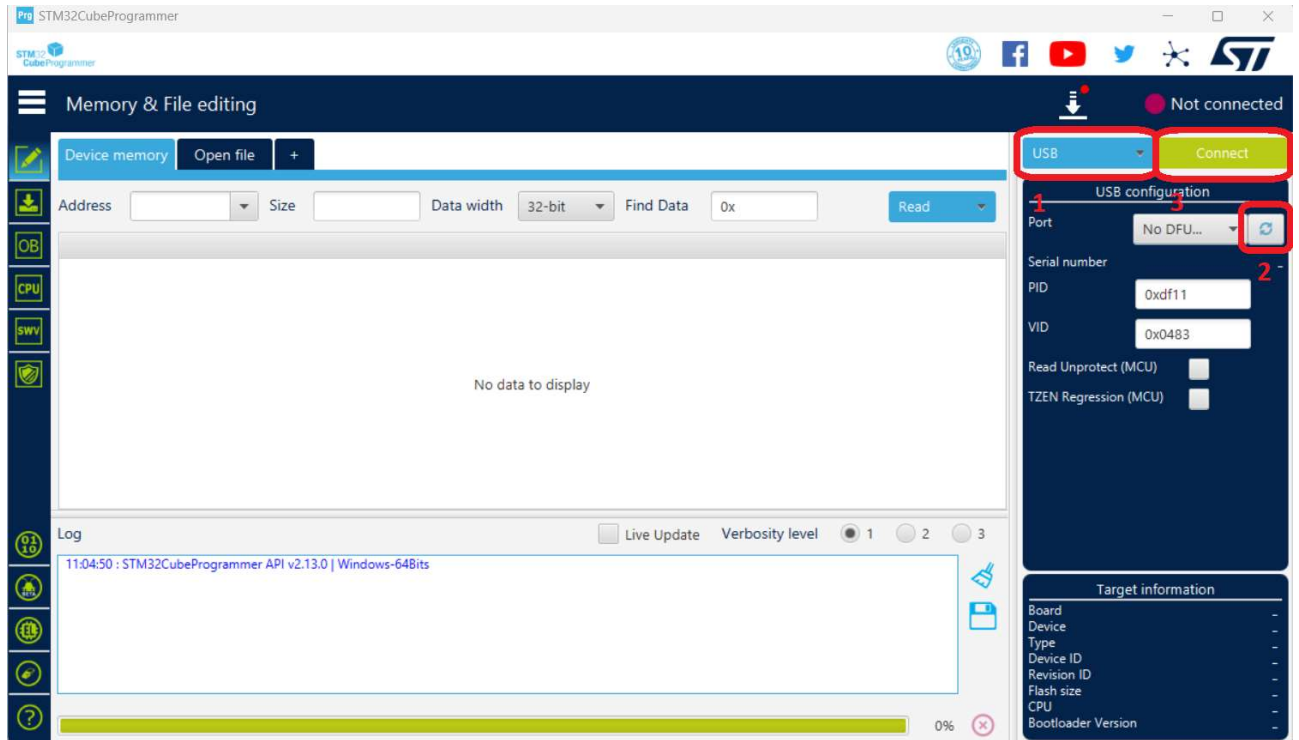

4. The BlackPill will go in Bootloader Mode, the led C13 will blink every 1sec.
The PC will detect your BlackPill board. You can check it in the Device Manager.
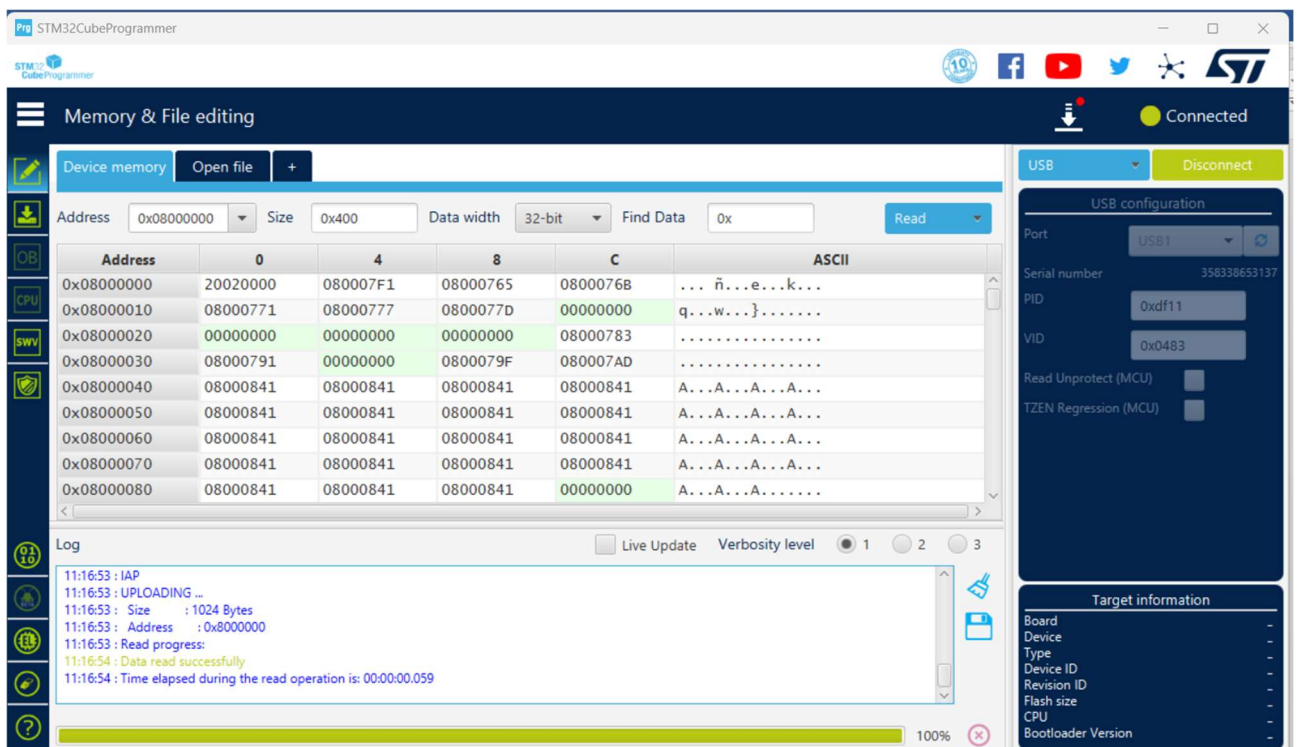
5. Connect the STM32CubeProgrammer to the BlackPill that now is in Bootloader Mode.
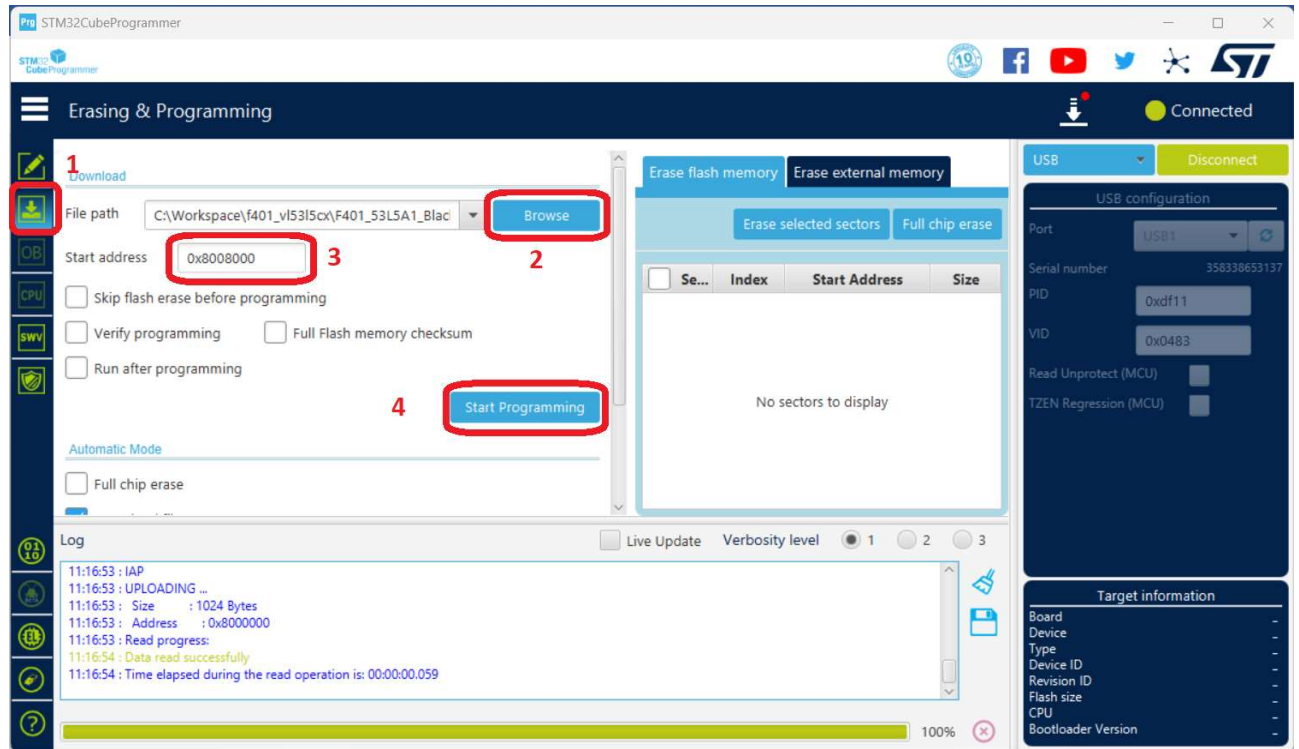   For do that:
    1. Select USB as interface
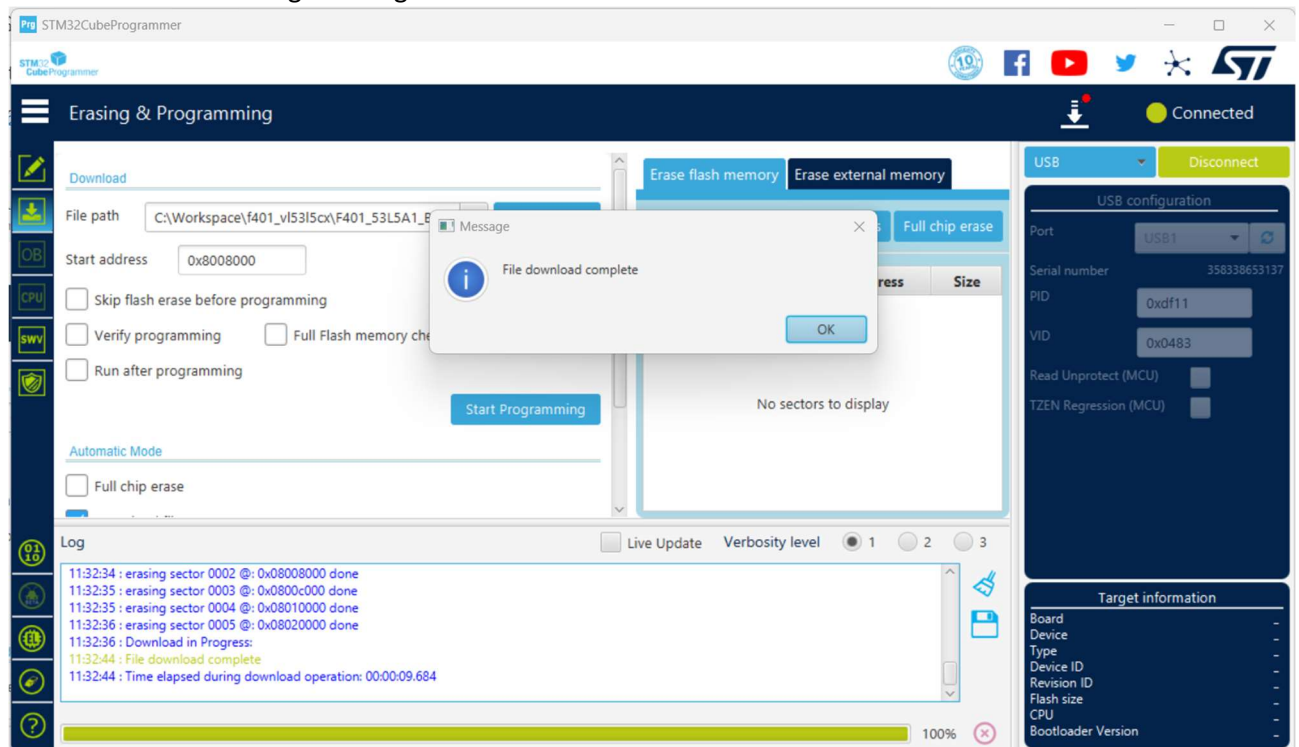   2. Refresh the port
    3. Press Connect

6. You will see the STM32CubeProgrammer in this state

7. For flash the application then:
   1. Select the Erasing & Programming menu
   2. Browse to the application file with extension .bin
   3. Change the Start address to 0x8008000
   4. Start Programming

8. The status after the Programming is

9. Done, The new Application is downloaded.