[STM32F411CEU6](#) Boad, Blackpill

512KB Flash

SAVE THE EXISTING PROGRAM using **USB** Mode, **no ST_LINK**

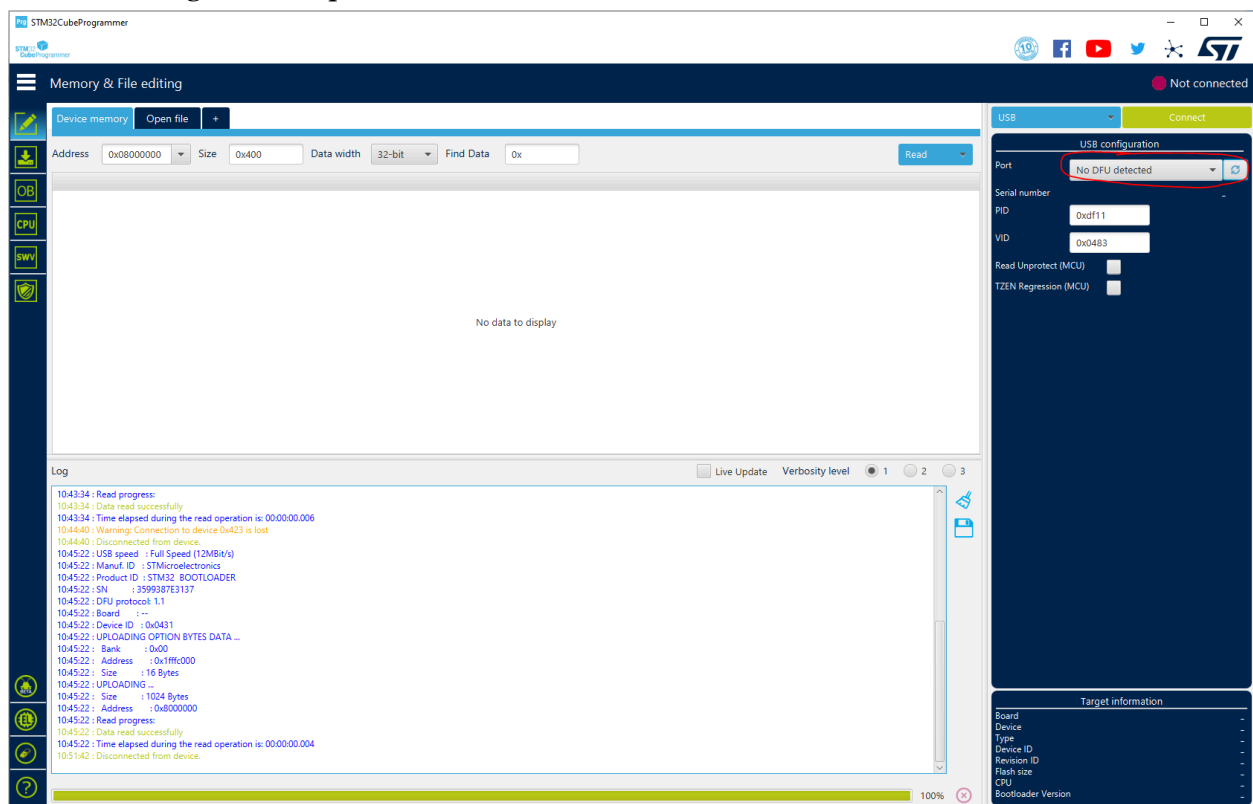## Change to Boot Mode:

Press BOOT0 (Hold)
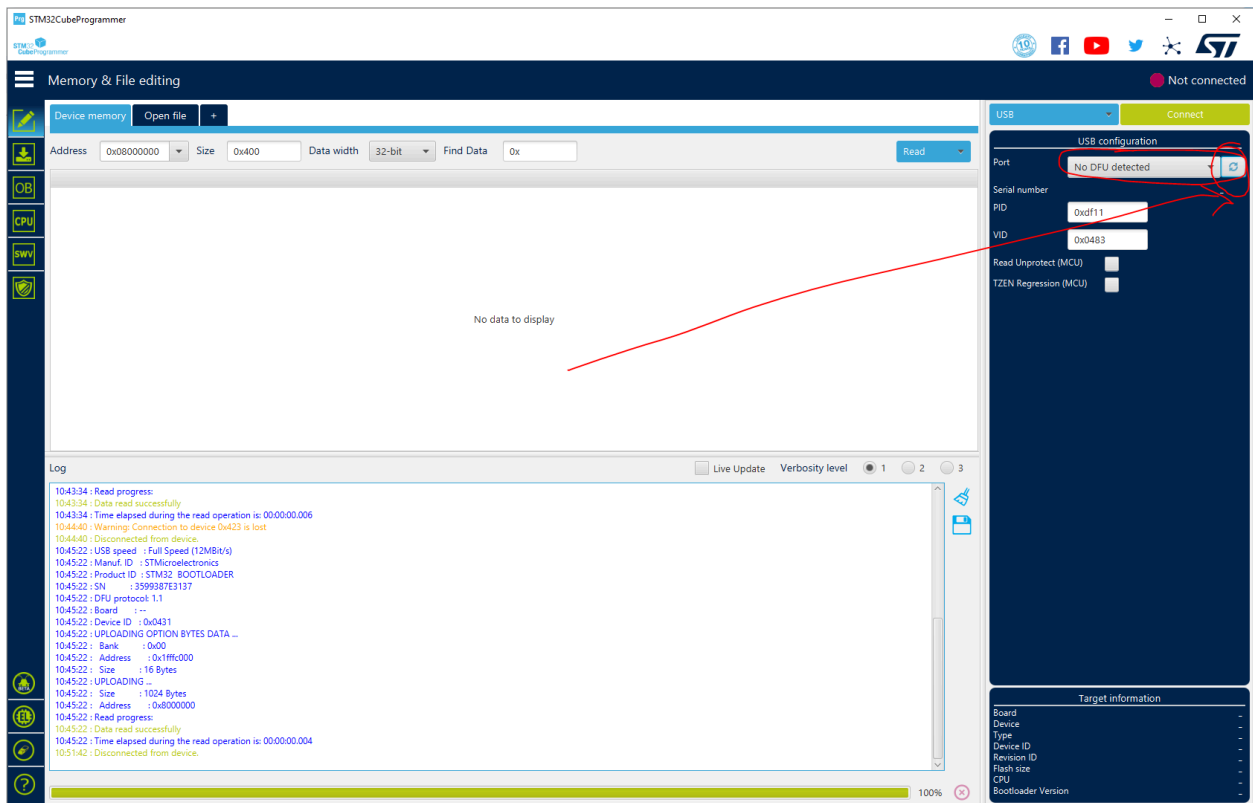Press NRST and release
Release BOOT0

Save the existing program:
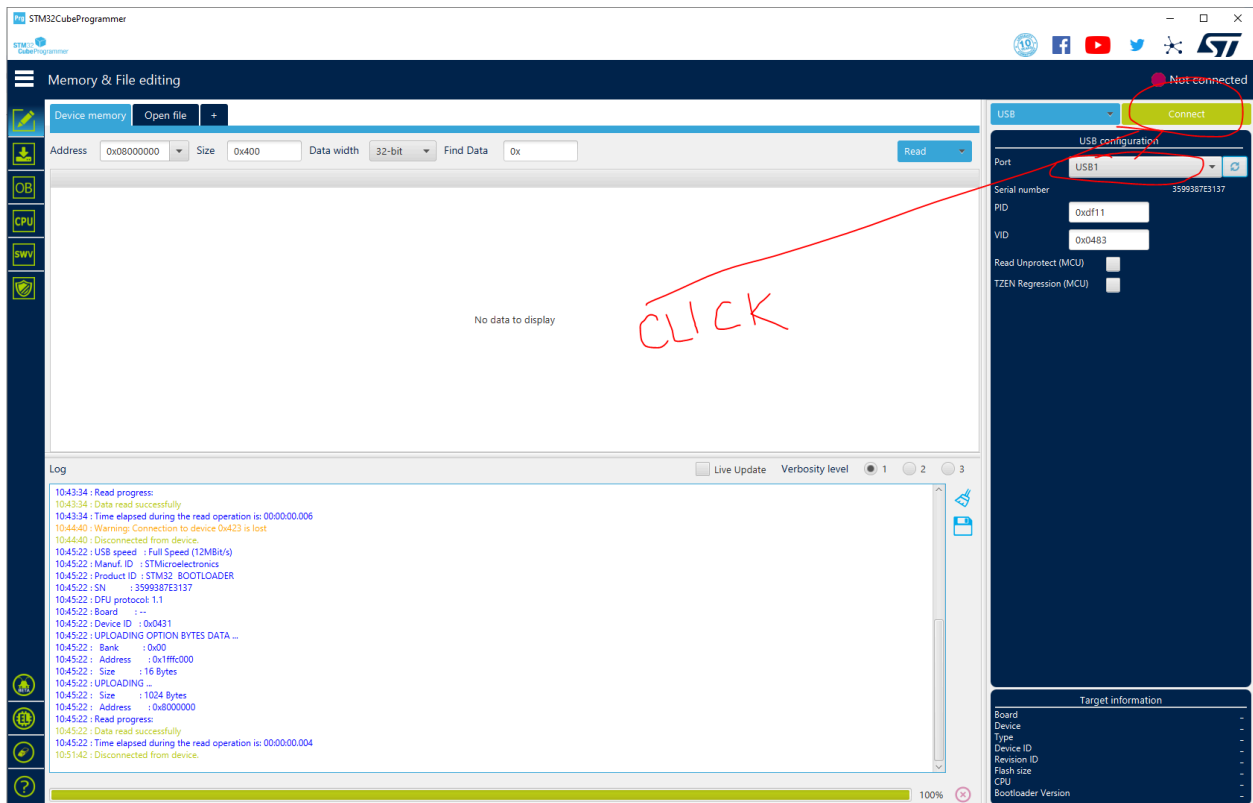
Now Open STM CubeProgrammer;

Before Sending the Blackpill to Boot mode:

After Sending the Blackpill to Boot mode: Click the refresh icon.

Now you should see the connect button and USB1 selected: Click on the Connect Button

See the MCU Details: (512KB Flash)

Now, the program inside MCU is also visible. Let's save the same.

512*1024 = 524288.

524288 = 0x80000 in Hexadecimal

Use the name as: STM32F411CEU6_Backup.bin

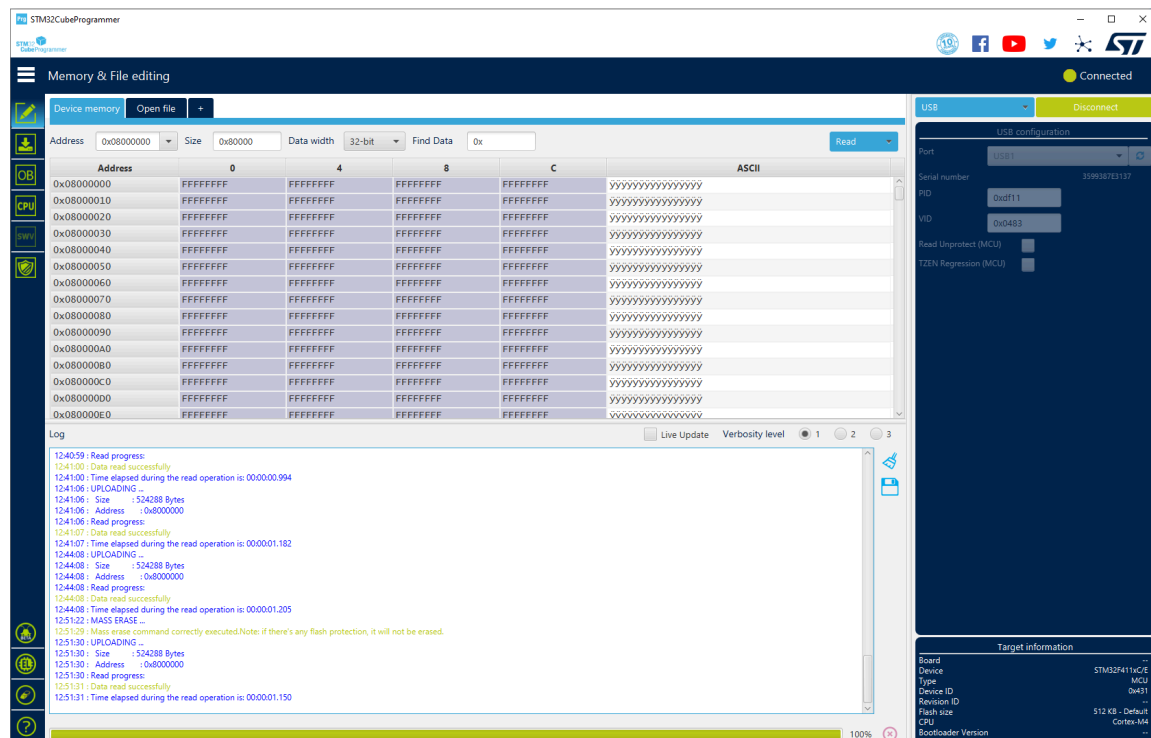You may see the size of flash as 512kB.
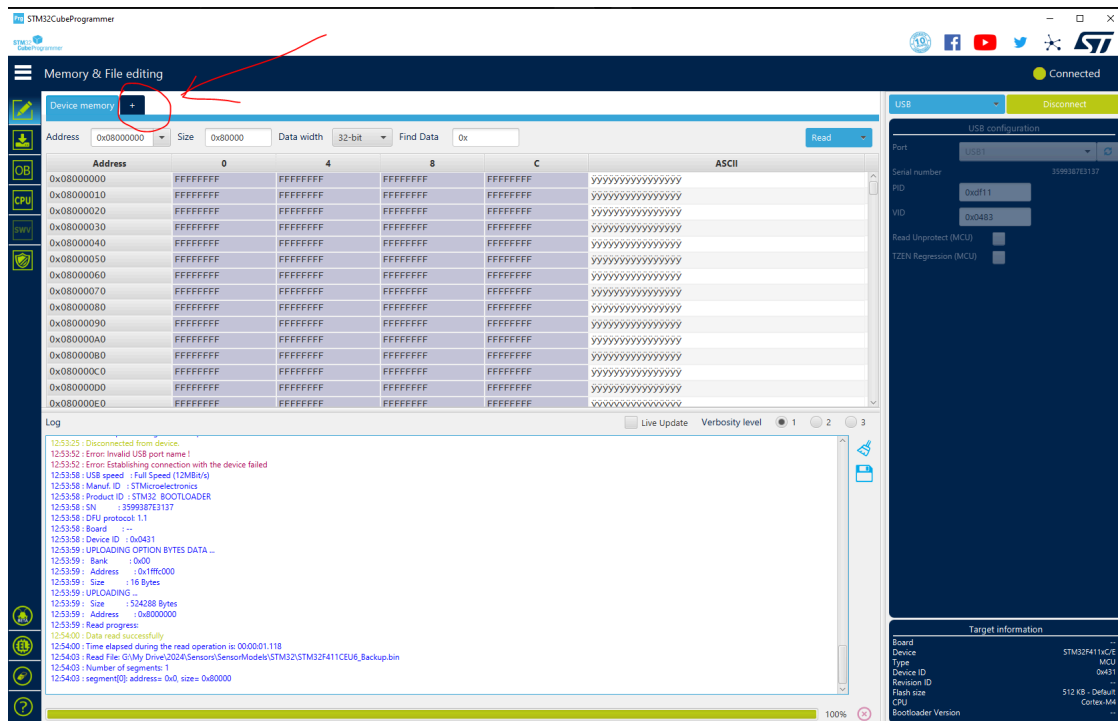

Restore using: Use the saved file to restore.
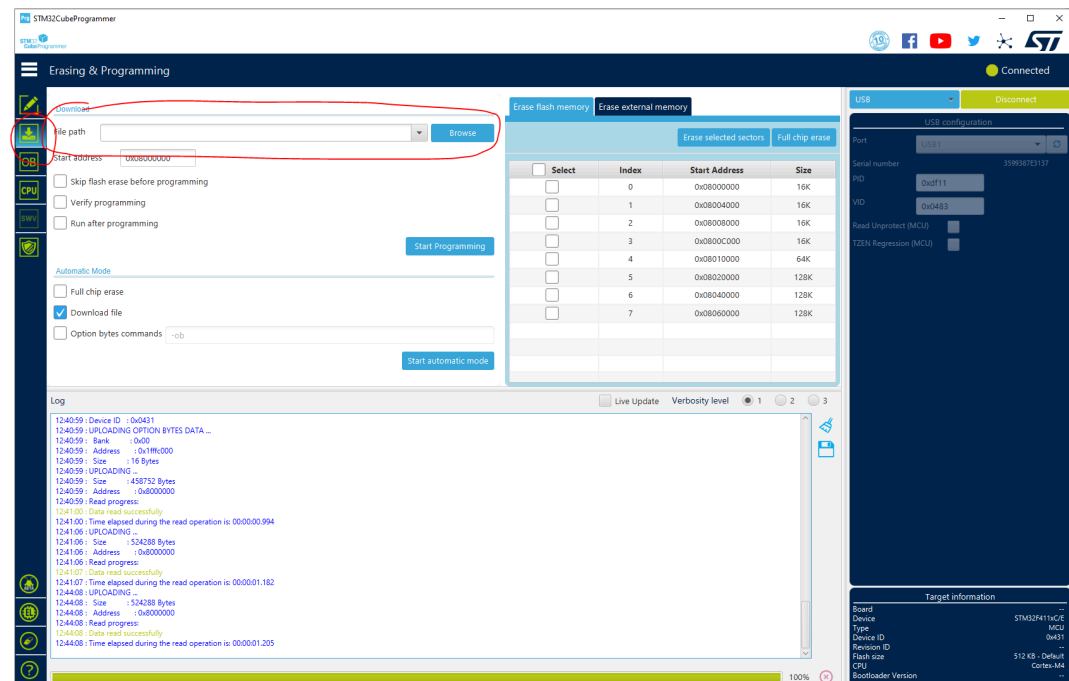
Now it should look like the following:
Full Chip Erase:
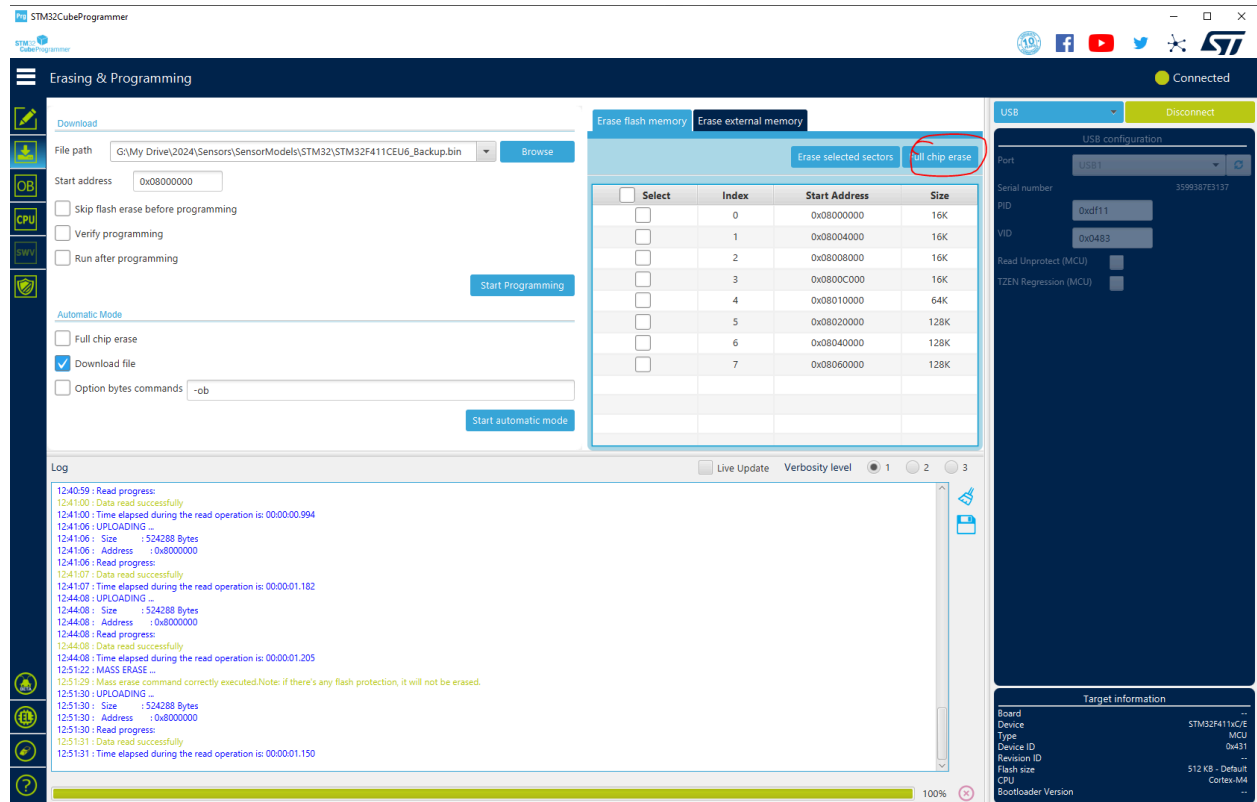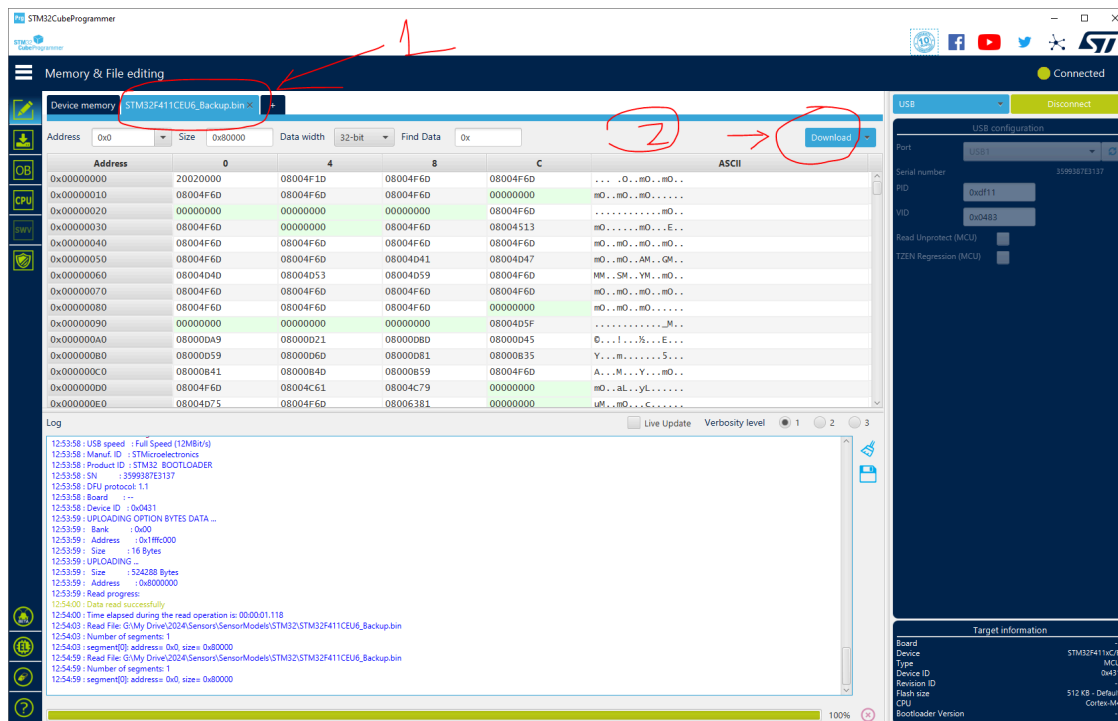

Its free now:

Now let's load the saved .bin file: (Insert he saved file)

Open and click download

It's flashed now:

DONE!