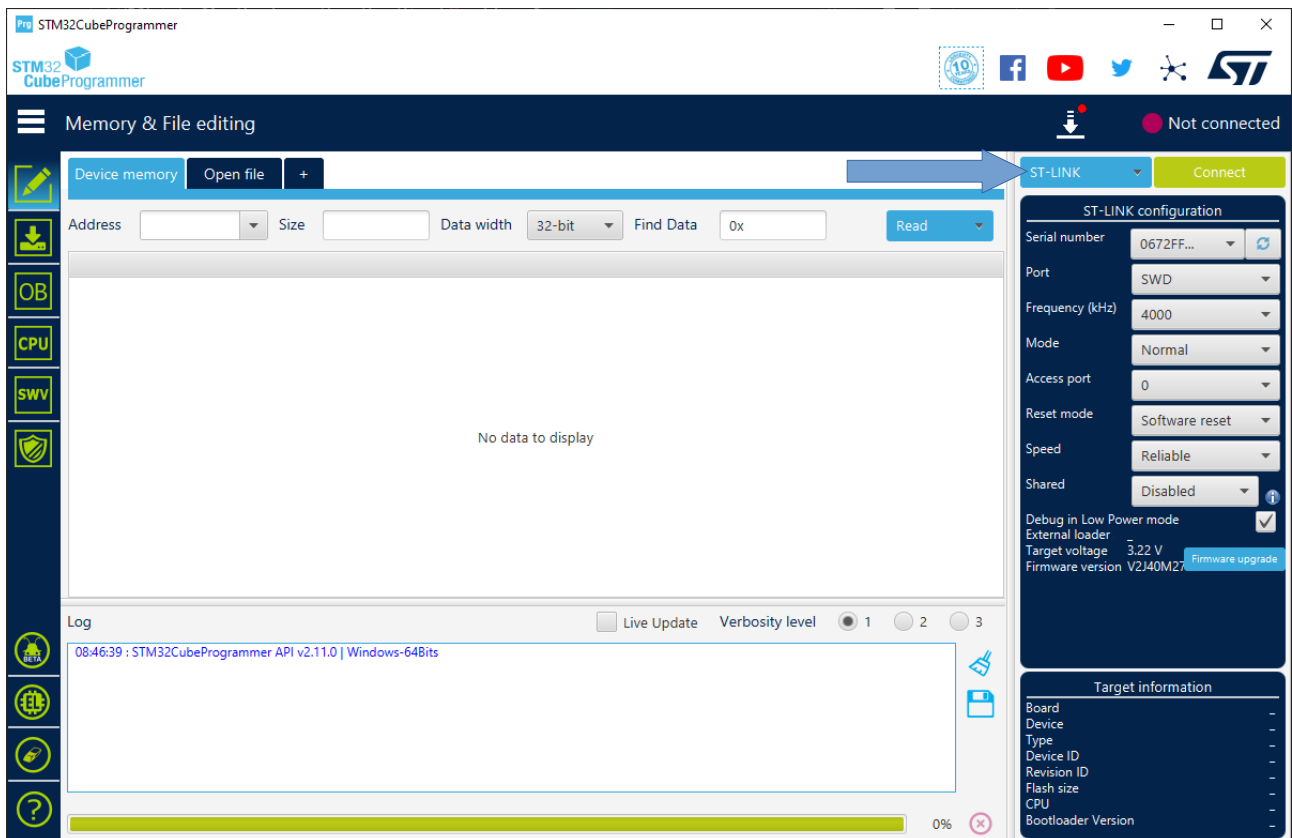
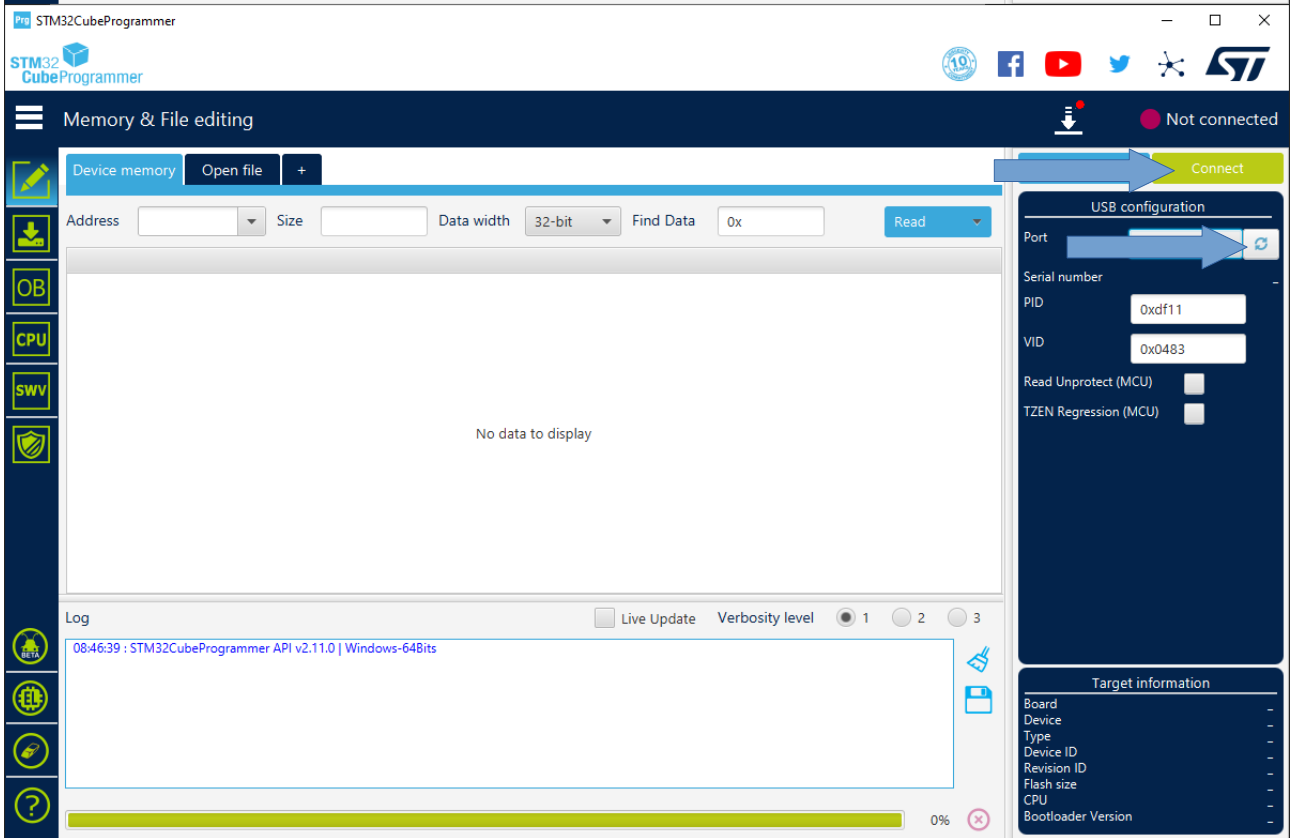
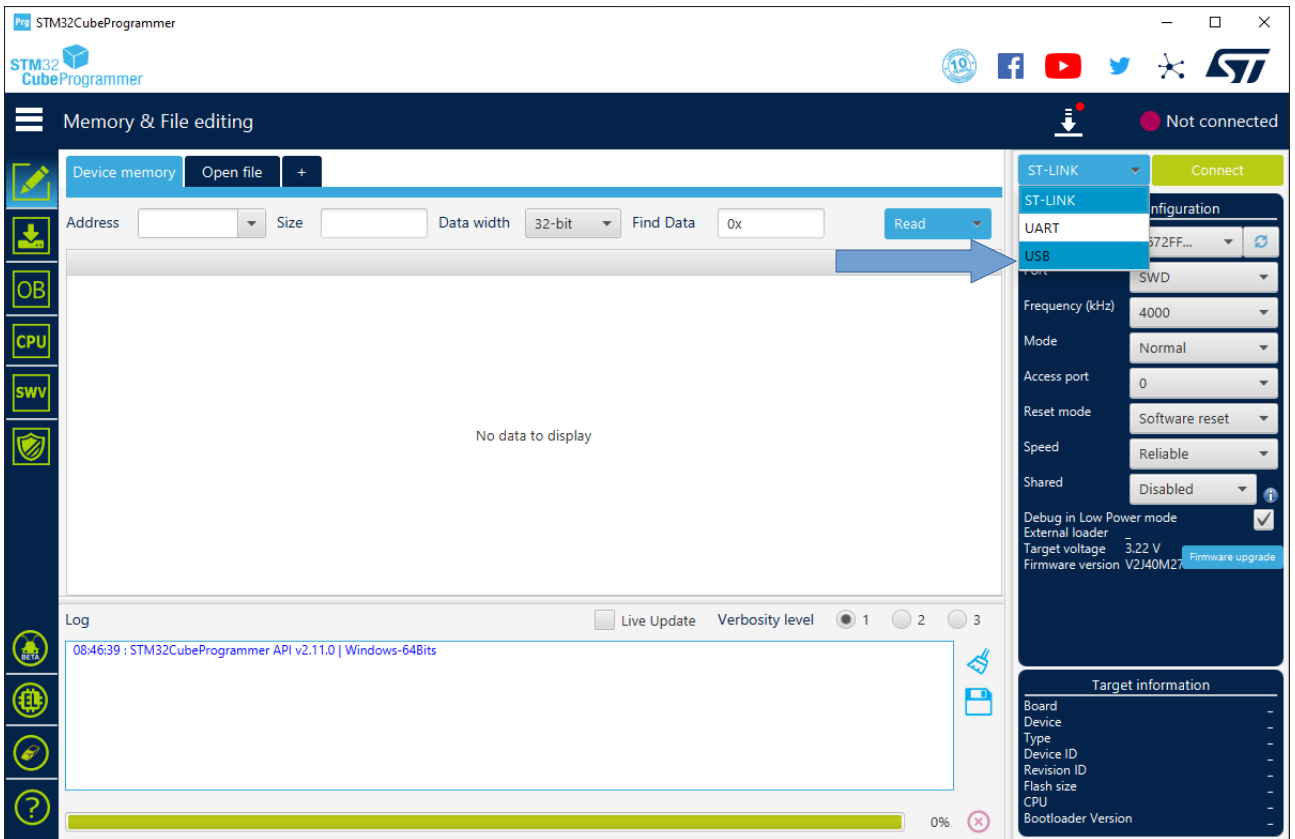


1. Download STM32CubeProgrammer
<https://www.st.com/en/development-tools/stm32cubeprog.html>
2. Prepare a USB stick with update files

Nazwa	Data modyfikacji	Typ	Rozmiar
disp.bin	2022-03-16 09:22	Plik BIN	296 KB
dispboot.bin	2021-07-07 11:45	Plik BIN	12 KB
main.bin	2023-04-26 08:45	Plik BIN	1 288 KB

3. Press the restart switch on the right side while holding the Boot0 button
4. Run STM32CubeProgrammer





STM32CubeProgrammer

Memory & File editing

Device memory | Open file | +

Address: 0x08000000 | Size: 0x400 | Data width: 32-bit | Find Data: 0x | Read

Address	0	4	8	C	ASCII
0x08000000	24080000	08001CB1	08001A15	08001A17	...\$.
0x08000010	08001A19	08001A1B	08001A1D	00000000	.....
0x08000020	00000000	00000000	00000000	0800C831	.....1E. .
0x08000030	08001A1F	00000000	0800C8C1	0800C925	.....Æ. .%É. .
0x08000040	08001D01	08001D01	08001D01	08001D01	.....
0x08000050	08001D01	08001D01	08001D01	08001D01	.....
0x08000060	08001D01	08001D01	08001D01	08001A21!
0x08000070	08001D01	08001D01	08001D01	08001D01	.....
0x08000080	08001D01	08001D01	08001D01	08001D01	.....
0x08000090	08001D01	08001D01	08001D01	08001D01	.....
0x080000A0	08001D01	08001D01	08001D01	08001D01	.....
0x080000B0	08001D01	08001A2D	08001A39	08001D01	.....9.

Log

08:54:36 : Address : 0x5200201C
 08:54:36 : Size : 308 Bytes
 08:54:36 : UPLOADING ...
 08:54:36 : Size : 1024 Bytes
 08:54:36 : Address : 0x8000000
 08:54:36 : Read progress:
 08:54:36 : Data read successfully
 08:54:36 : Time elapsed during the read operation is: 00:00:00.008

100%

USB configuration

Port: USB1 | Serial number: 200364500000 | PID: 0xdf11 | VID: 0x0483

Target information

Board: -- | Device: STM32H7xx | Type: MCU | Device ID: 0x450 | Revision ID: -- | Flash size: 2 MB - Default | CPU: Cortex-M7 | Bootloader Version: --

STM32CubeProgrammer

Erasing & Programming

Download

File path: D:\Projekty\Mountbatten\Tutor\MainBoot\Rel\ | Browse

Start address: 0x08000000

Skip flash erase before programming
 Verify programming
 Run after programming

Start Programming

Automatic Mode

Full chip erase
 Download file
 Option bytes commands

Erase flash memory | Erase external memory

Erase selected sectors | Full chip erase

Select	Index	Start Address	Size
<input type="checkbox"/>	0	0x08000000	128K
<input type="checkbox"/>	1	0x08020000	128K
<input type="checkbox"/>	2	0x08040000	128K
<input type="checkbox"/>	3	0x08060000	128K
<input type="checkbox"/>	4	0x08080000	128K
<input type="checkbox"/>	5	0x080A0000	128K
<input type="checkbox"/>	6	0x080C0000	128K
<input type="checkbox"/>	7	0x080E0000	128K
<input type="checkbox"/>	8	0x08100000	128K

Log

08:54:36 : Address : 0x5200201C
 08:54:36 : Size : 308 Bytes
 08:54:36 : UPLOADING ...
 08:54:36 : Size : 1024 Bytes
 08:54:36 : Address : 0x8000000
 08:54:36 : Read progress:
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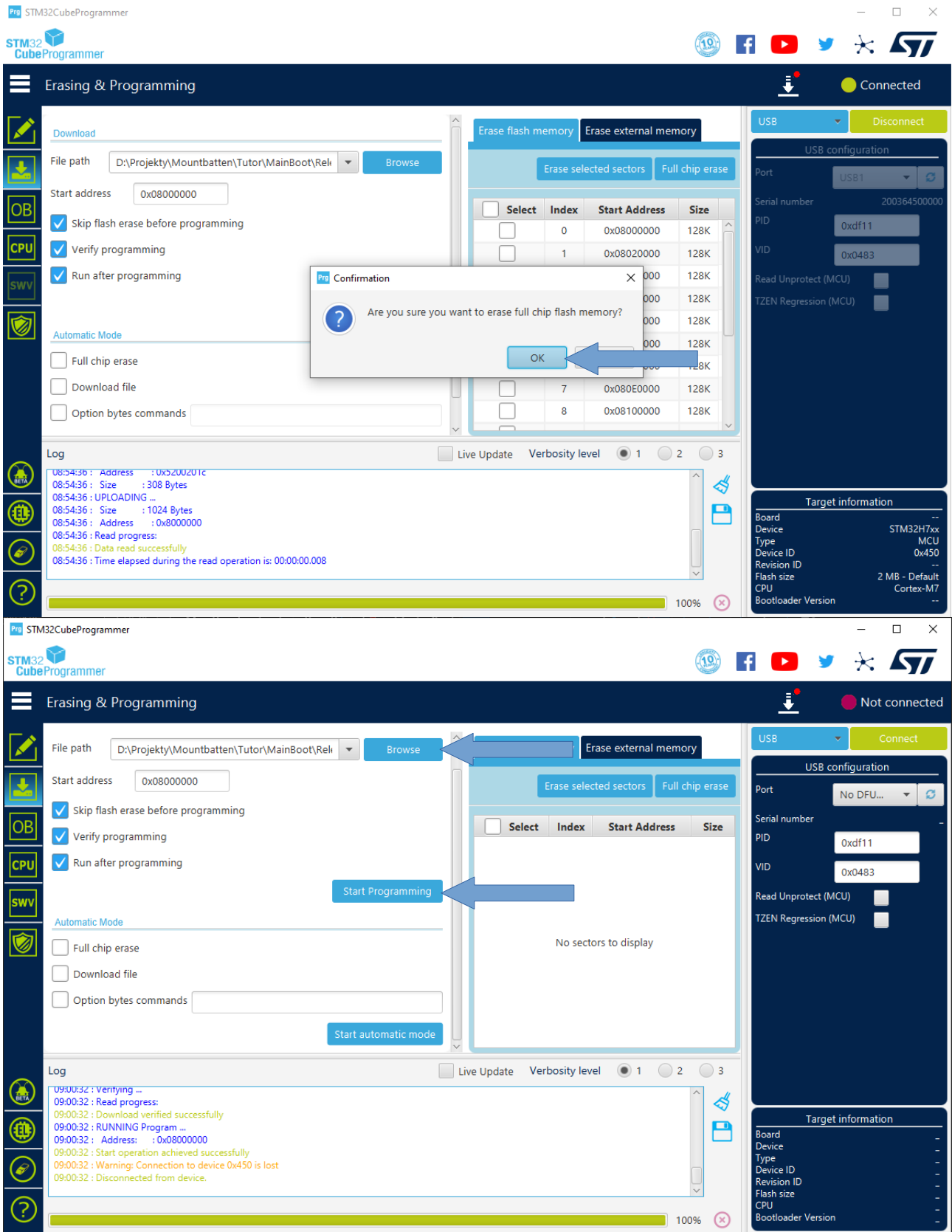
100%

USB configuration

Serial number: 200364500000 | PID: 0xdf11 | VID: 0x0483

Target information

Board: -- | Device: STM32H7xx | Type: MCU | Device ID: 0x450 | Revision ID: -- | Flash size: 2 MB - Default | CPU: Cortex-M7 | Bootloader Version: --



5. Connect the prepared USB memory stick to the lower USB port on the right side of the device. After the Update is done the device will restart automatically