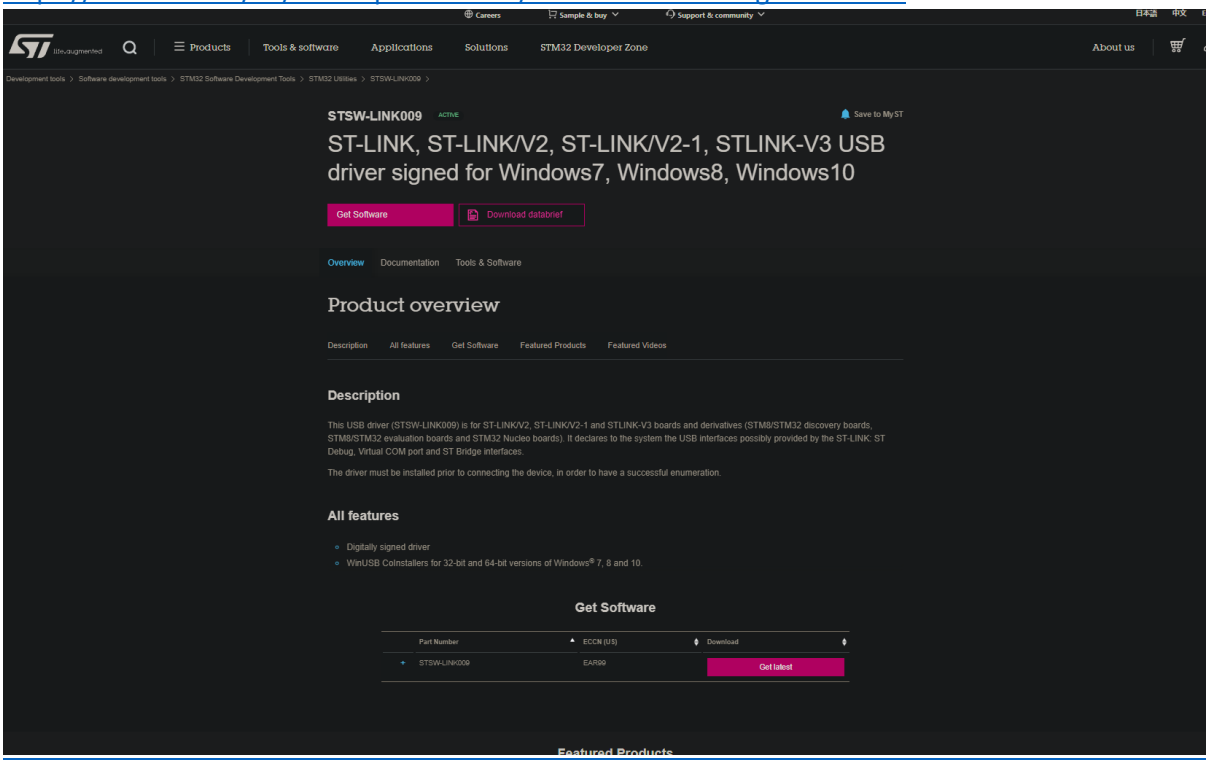
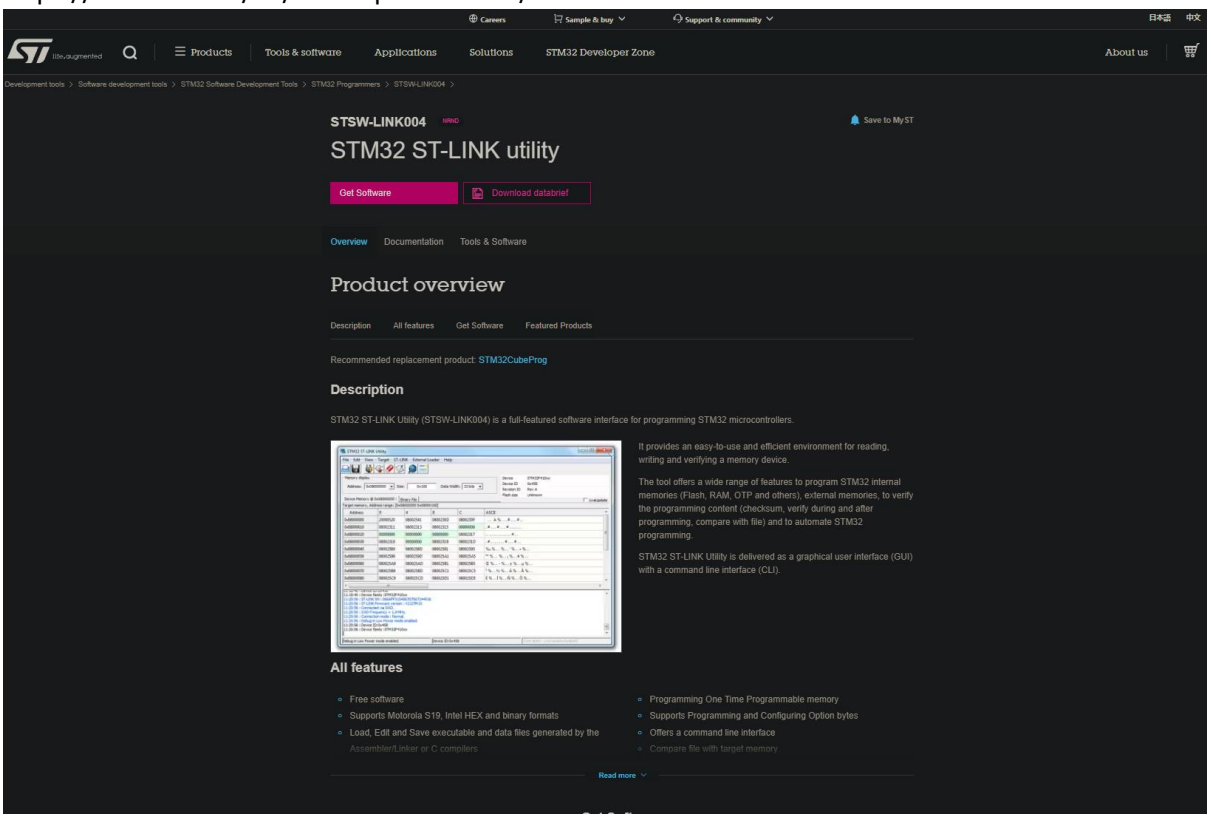
‘Guide’ to flashing Blue-scsi 1.1 using ST-Link V2 and STM32 ST-LINK utility

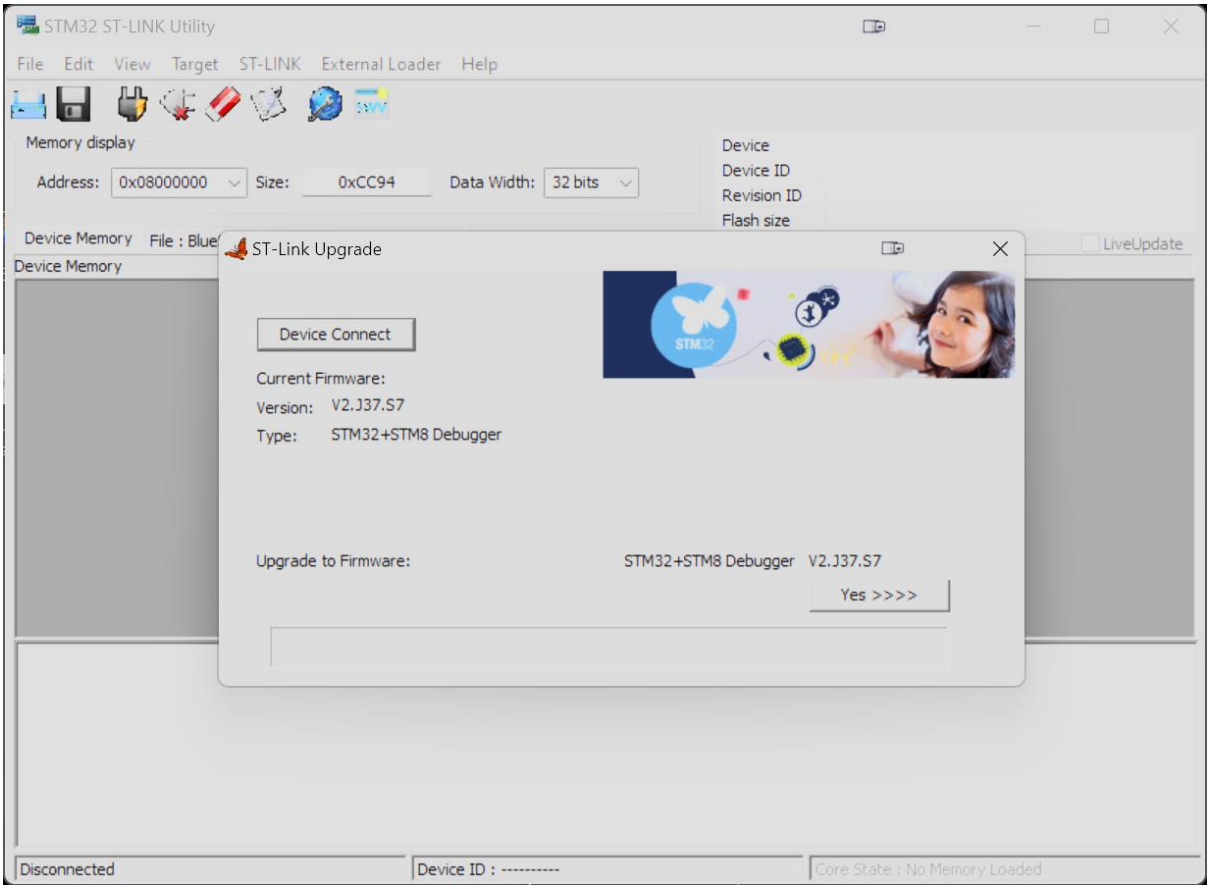
This is how I flashed BluePills for use on Bluescsi 1.1 using a clone ST-LINK V2.
Download USB drivers
https://www.st.com/en/development-tools/stsw-link009.html#get-software



Download the STM32 ST-Link software
https://www.st.com/en/development-tools/stsw-link004.html



Open STM32 ST-LINK Utility
This step is to update the firmware on the ST-LINK V2 (not a requirement)
ST-LINK from the top bar > Firmware update > Device Connect
Yes – to update firmware if update available (note it gives the option to ‘update’ even if it’s the same version).

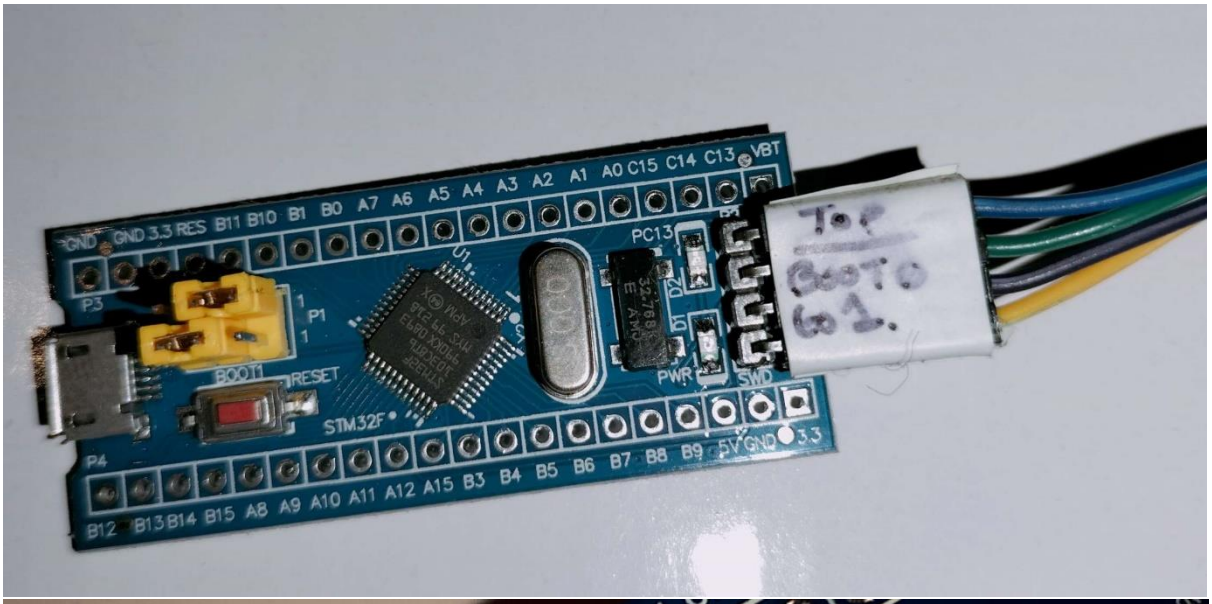


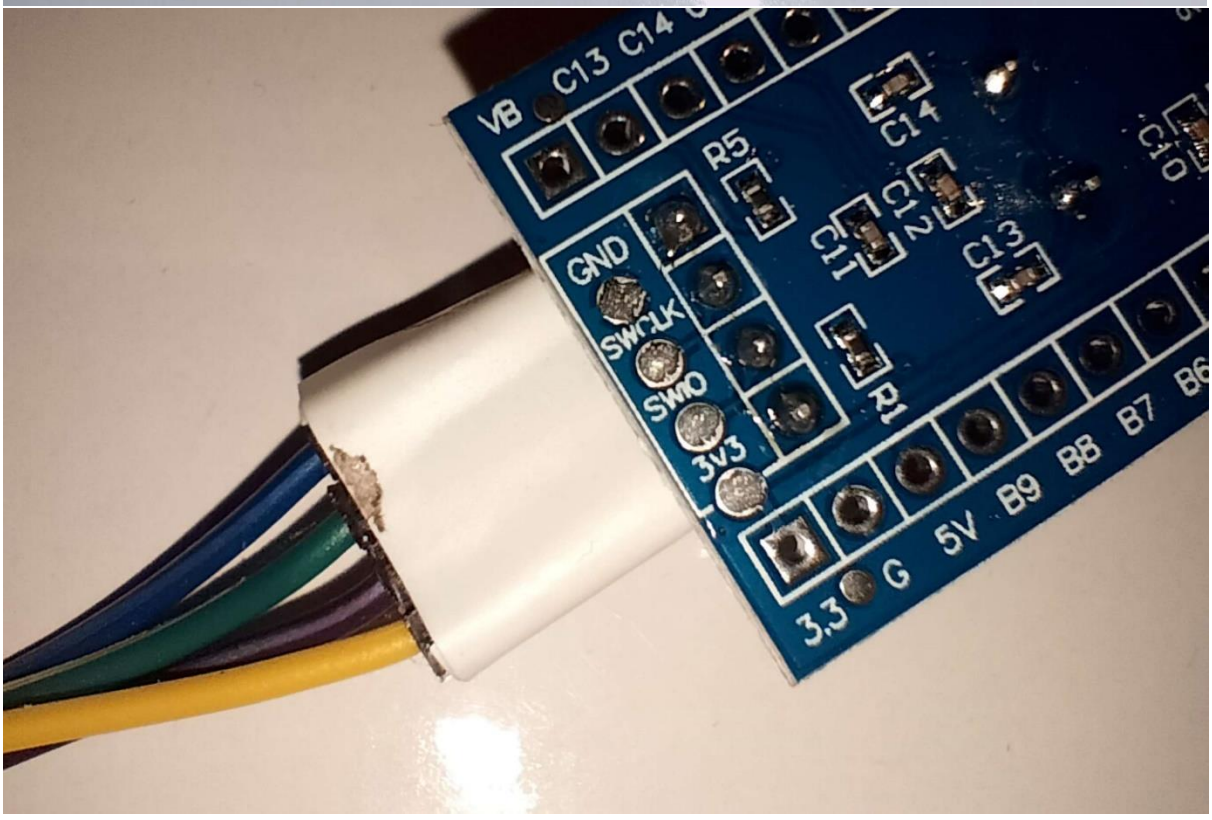
ST-Link to Bluepill wiring setup

With respect to my images

You want to wire like for like from the ST-Link to the BluePill

ST-Link	BluePill
Pin 2 SWDIO	SWIO
Pin 4 Ground	Ground
Pin 6 SWCLK	SWCLK
Pin 8 3.3V	3.3V

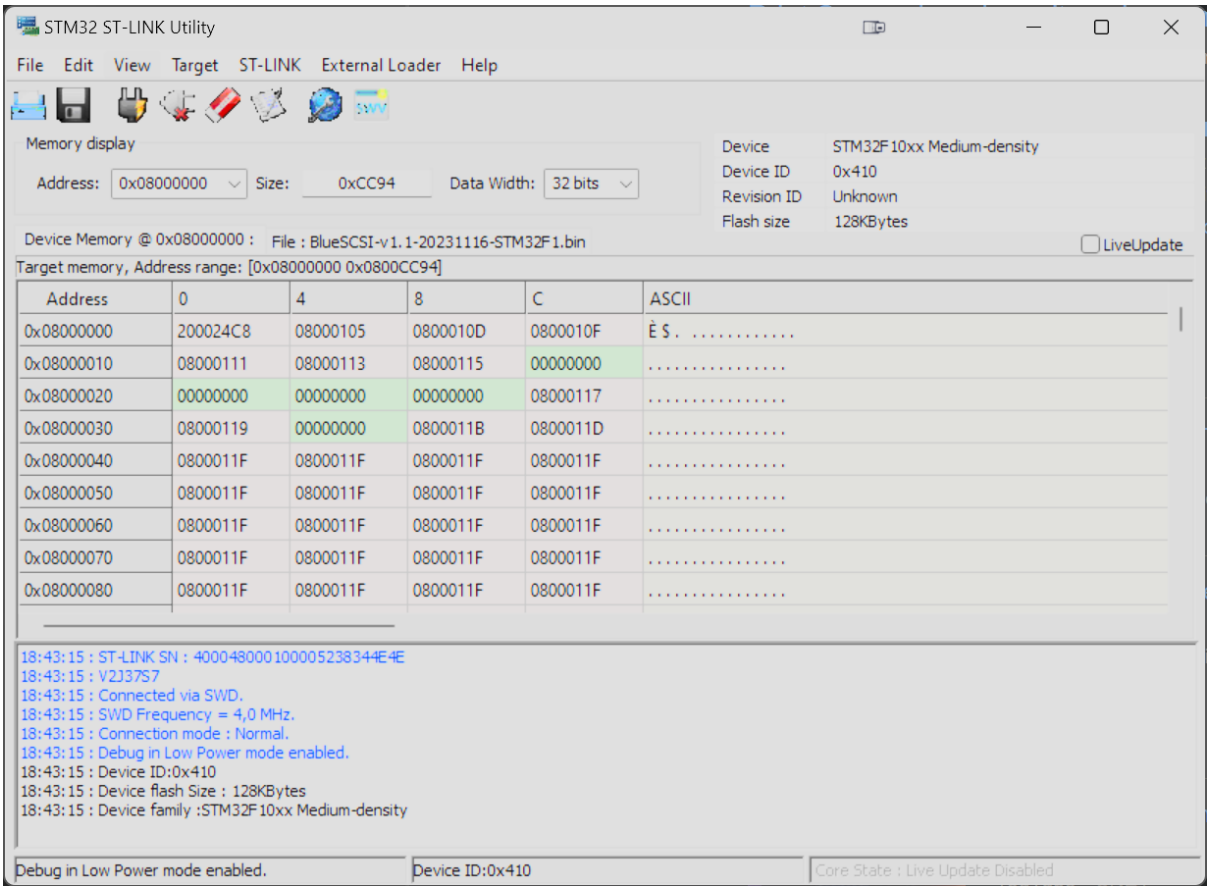




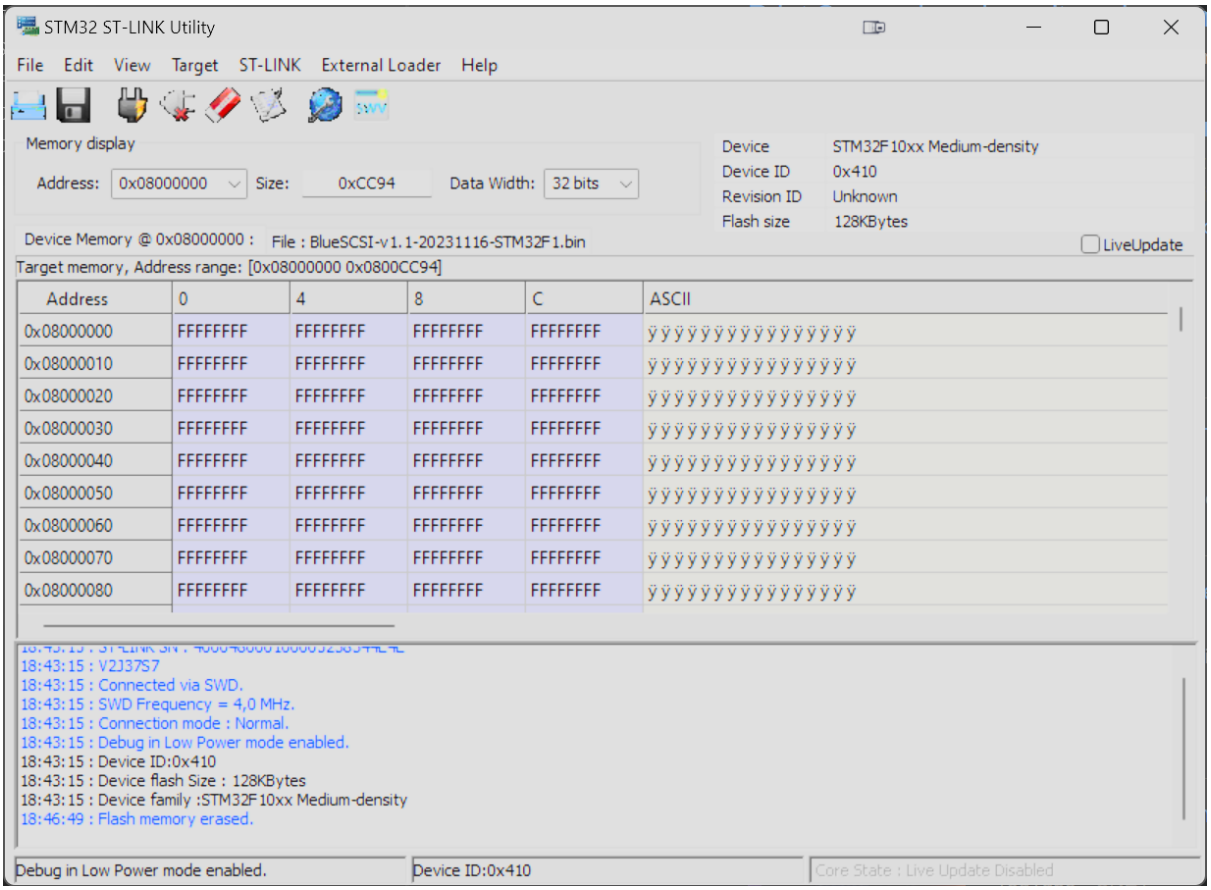
Flashing BluePill
(Reference here https://github.com/erichelgeson/BlueSCSI/wiki/Flashing-(Advanced))

- Grab the latest bin file from the Releases page.
- Remove SD Card (if bluescsi has been assembled already)
- Open STM32 ST-Link Utility
- Move the BOOT0 jumper (furthest from the reset button) to 1
- Connect the BluePill to the STLINK-V2
- Press & release the reset button on the BluePill
- Click Connect in STM32 ST-Link Utility (Target >> connect)

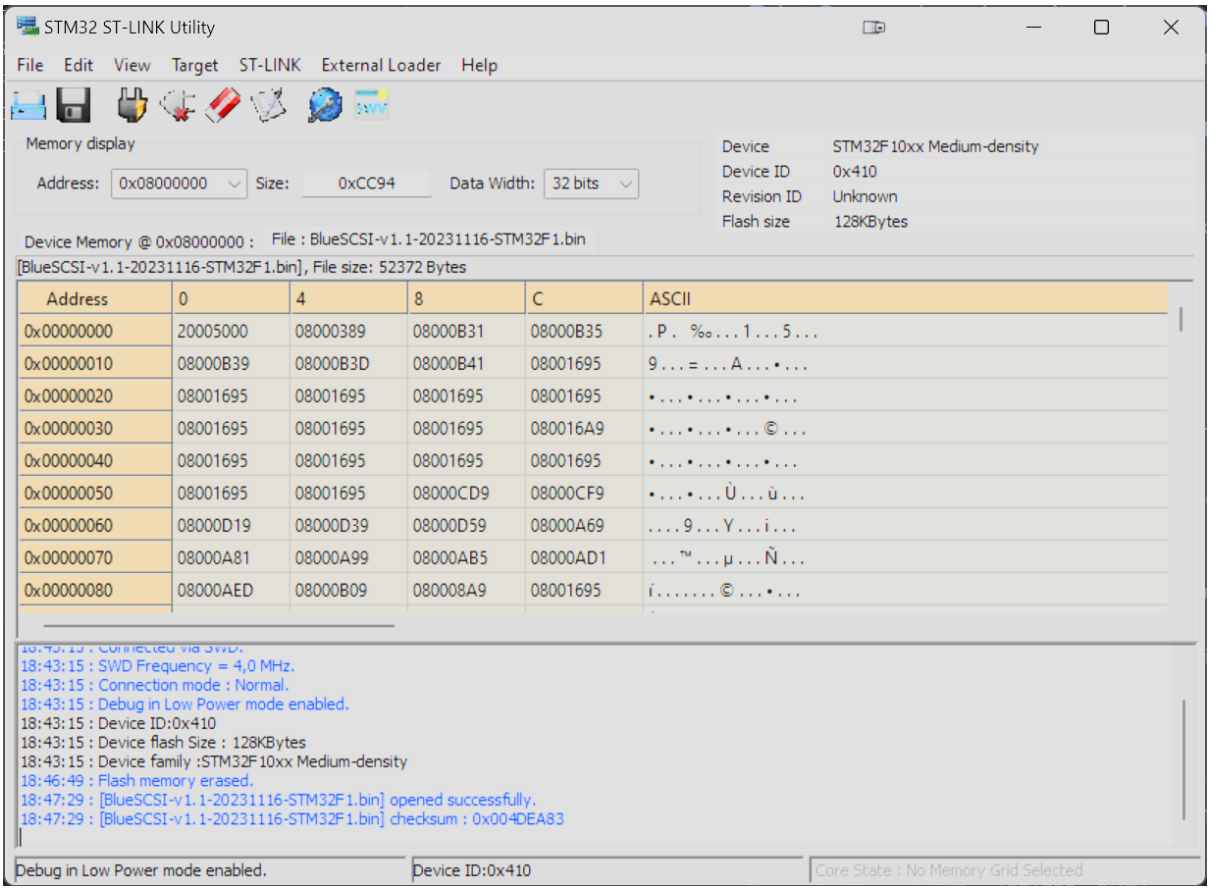
Once connected this is what you should see



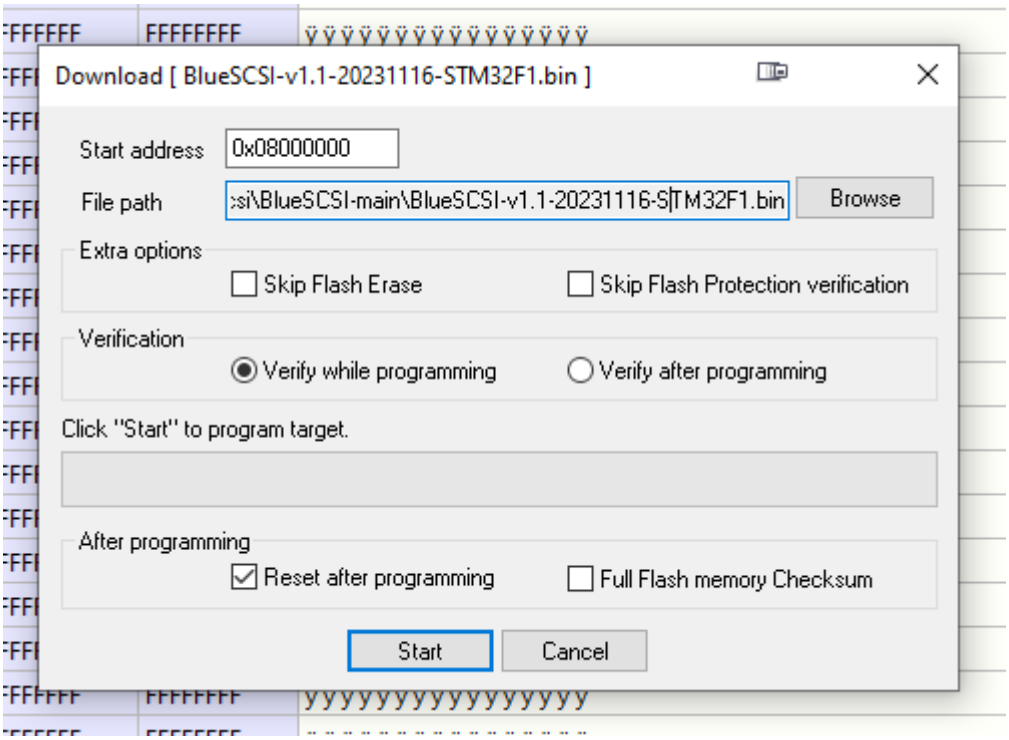
Target > erase chip to erase the flash memory



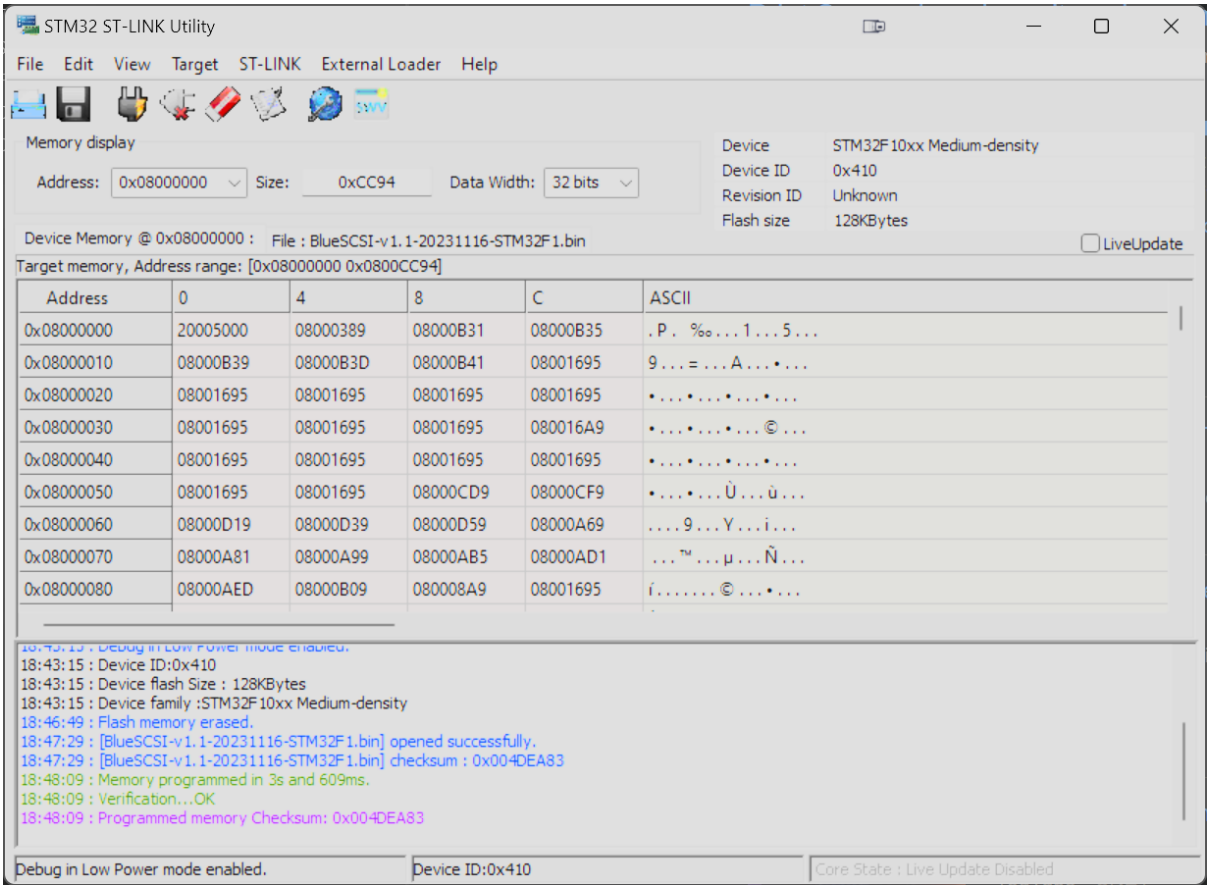
Open your bin file



Target > program and verify



Programmed



- After programmed - move BOOT0 jumper back to 0
- Press & release the reset button on the BluePill
- You should see the LED PC_13 flashing 5x indicating no SD Card detected.
- Disconnect the BluePill from the STLINK-V2

Finished.