

How to update DCU firmware

Needed equipment

- DCU
- Programmer (ST Link V2)
- Cable (J-link)
- Screwdriver (hex)

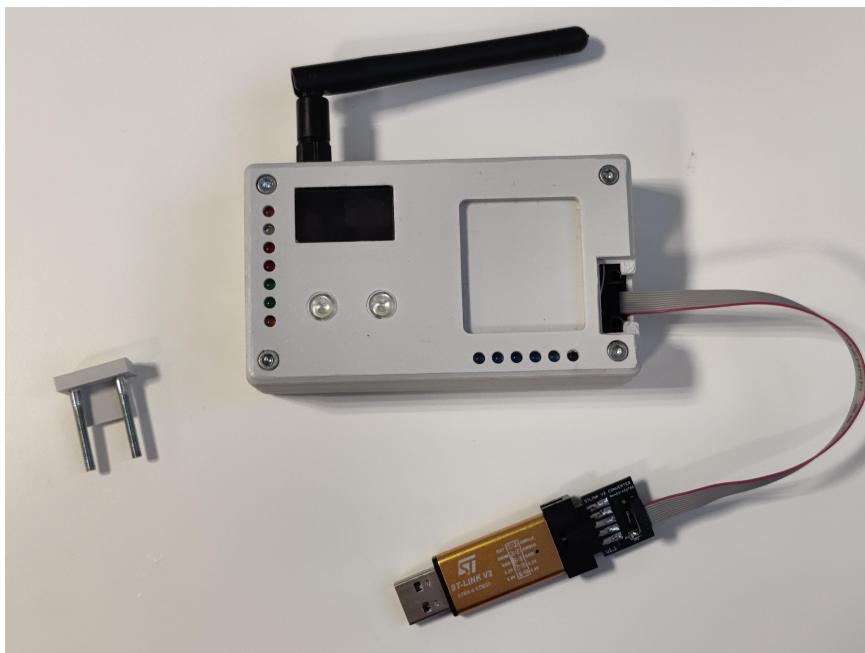


Step I: Hardware preparation

Unscrew the connector plate on the right side of the DCU



Plug in the J-link cable into the programmer and DCU




Step III: Installing tools

Download STM32 Cube Programmer (it may be required to make an account)

STM32CubeProg - STMicroelectronics

STM32CubeProg - STM32CubeProgrammer software for all STM32, STM32CubePrg-W32, STM32CubePrg-W64, STM32CubePrg-Lin, STM32CubePrg-Mac, STMicroelectronics

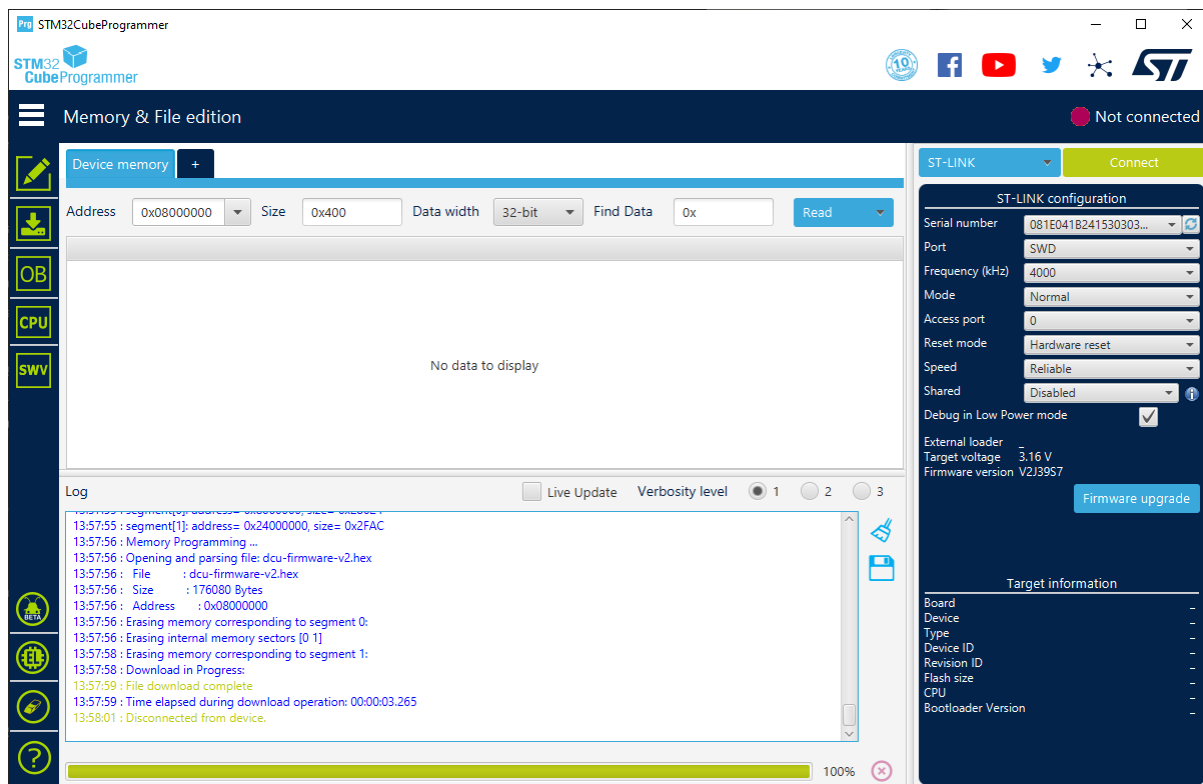
 <https://www.st.com/en/development-tools/stm32cubeprog.html>



Step IV: Connecting setup

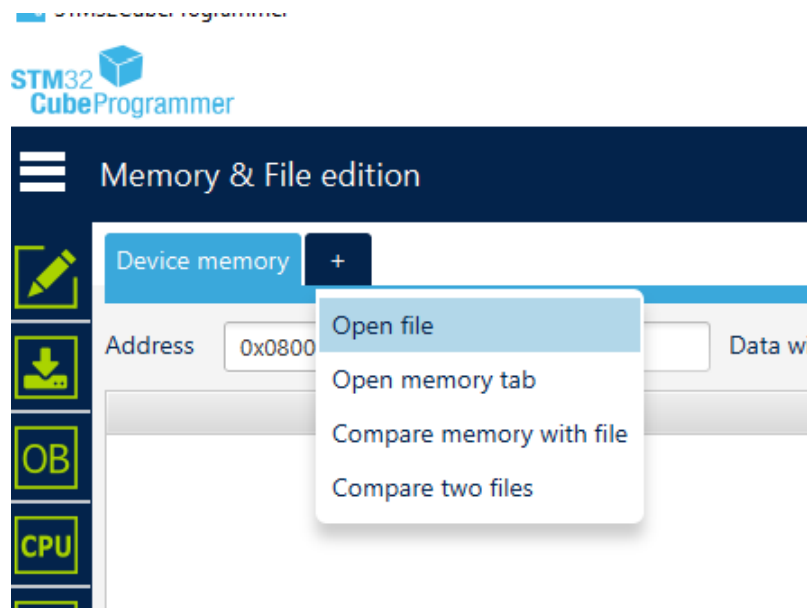
Note: the sequence in which these step are performed are important!

- Turn on the DCU
- Plug in the programmer into the computer
- Open STM32CubeProgrammer software, as installed in Step III

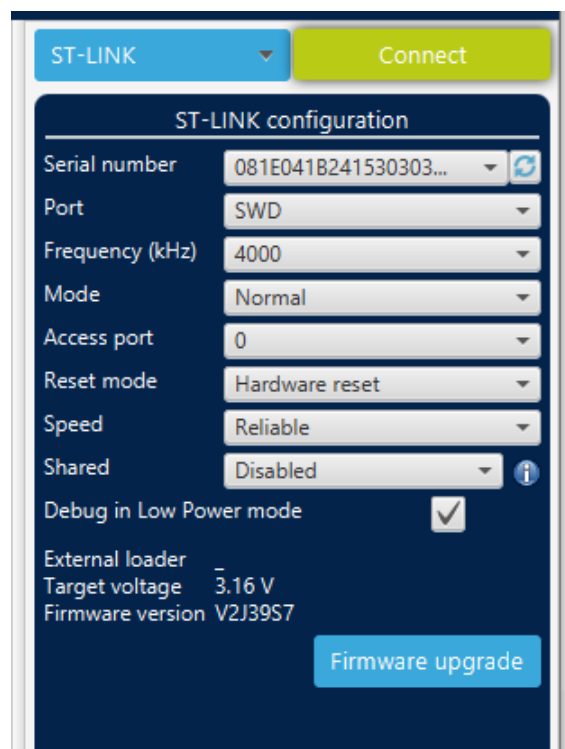


STEP V: Programming software

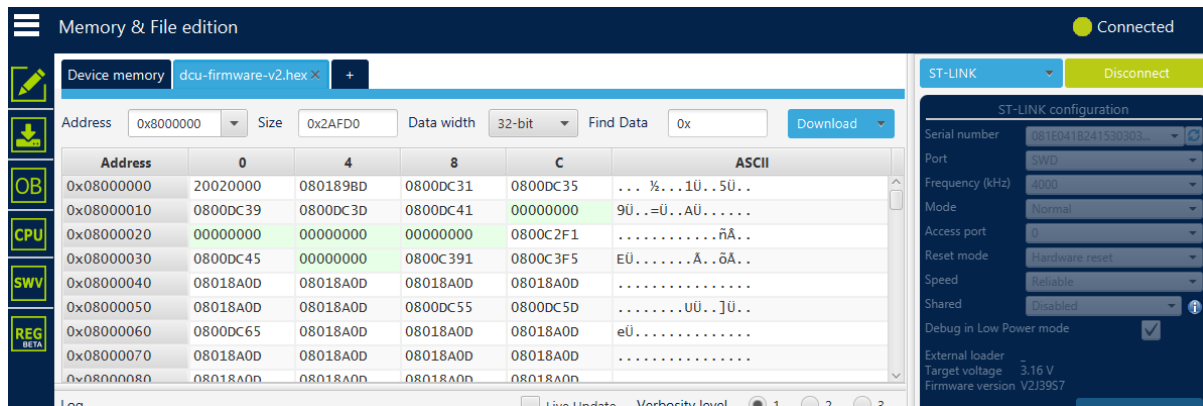
- Load the firmware HEX file, as in email attachment



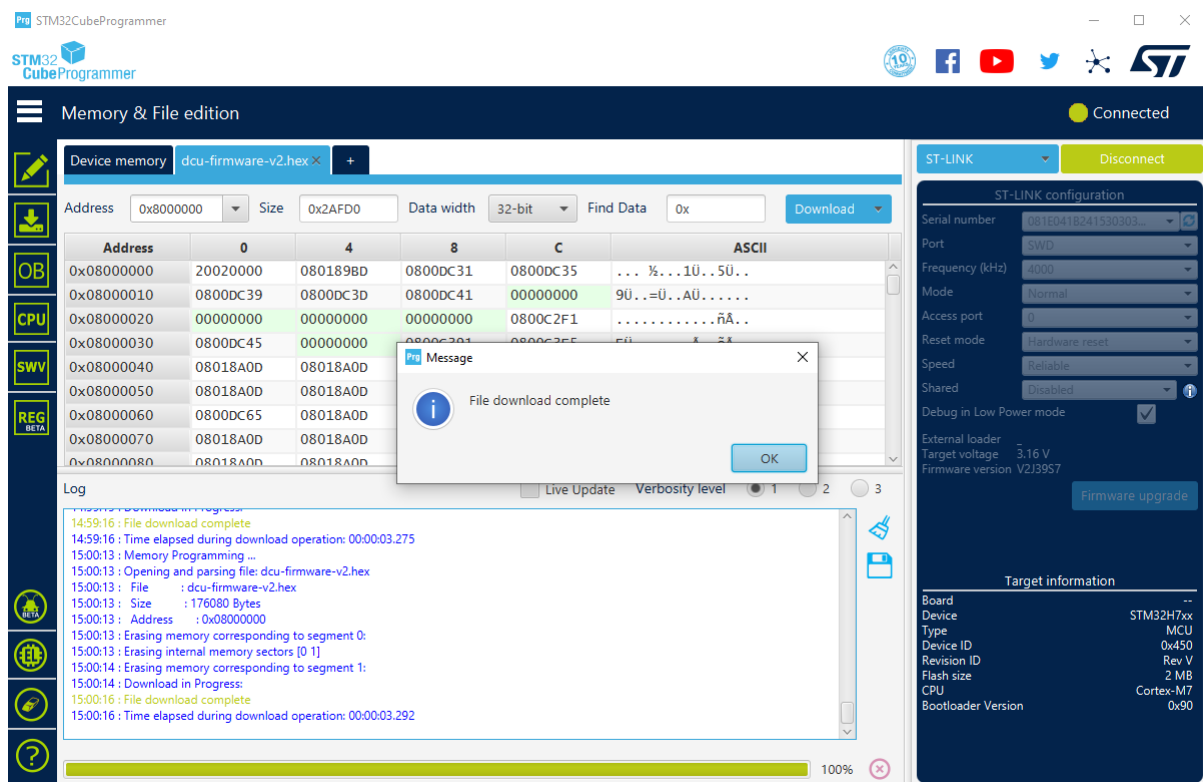
- Connect to the DCU: Press the green “Connect” button



- Press the blue “Download” button, the DCU flashing will start



- Once file download has completed, press “ok” and the “Disconnect” button



Step VI: Finishing

- Disconnect the DCU
- Put the connector plate back on the DCU

You have now successfully updated the firmware of the DCU!