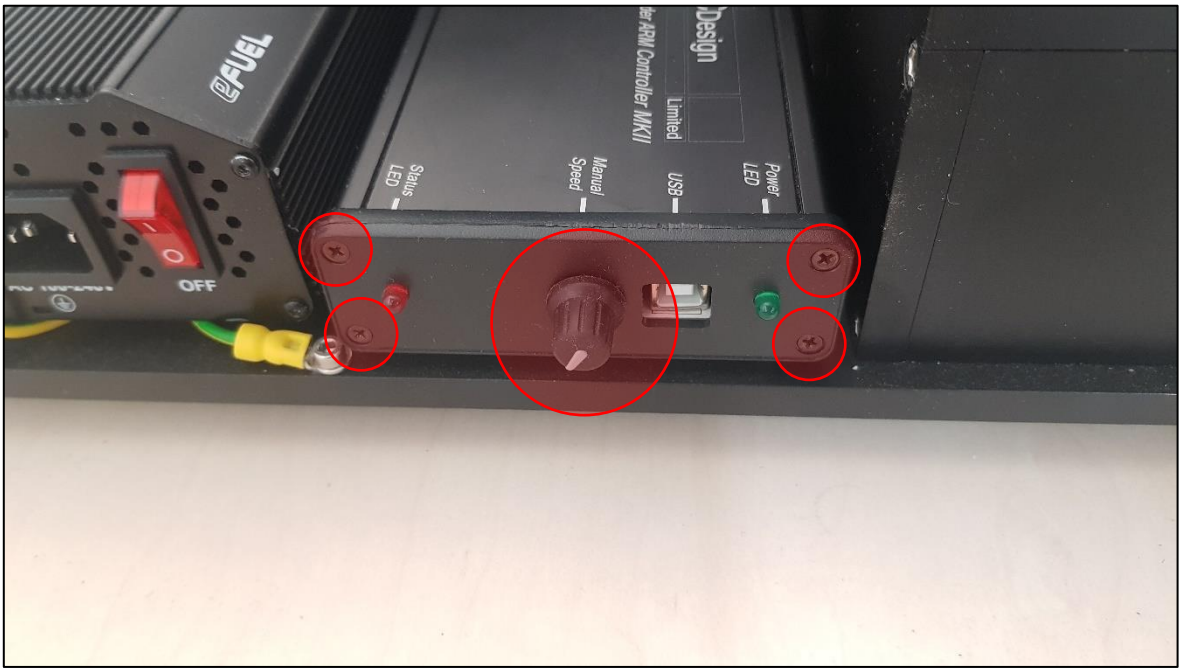
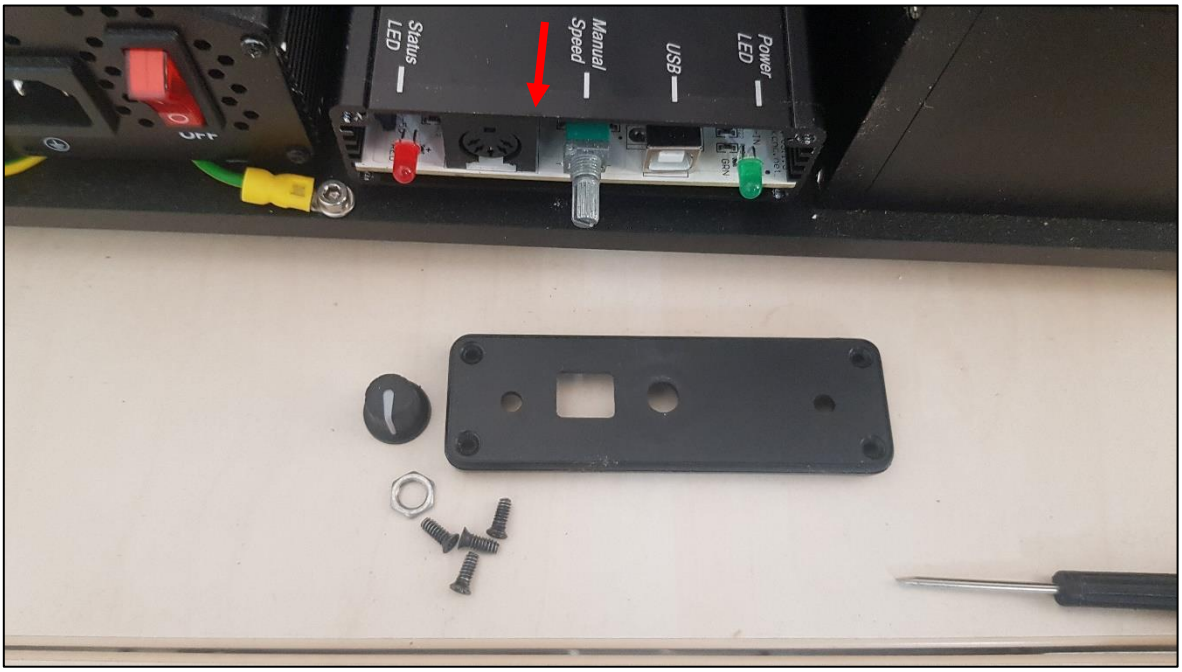
CNCDesign Limited

UPGRADING FIRMWARE

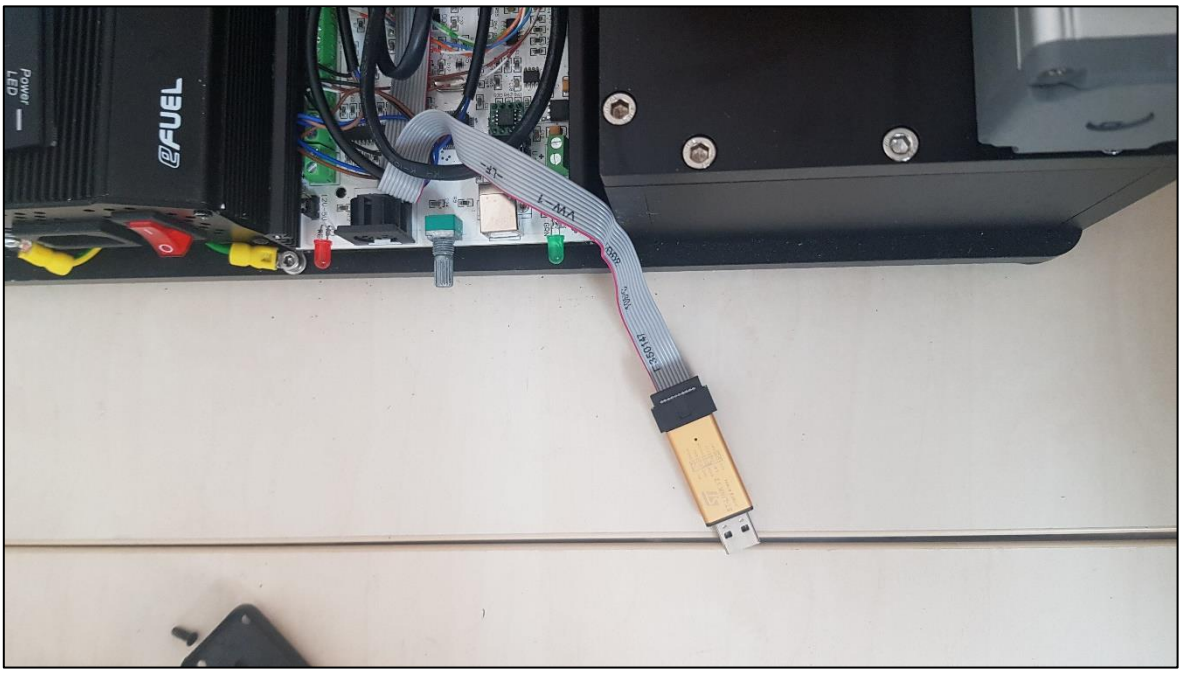
Connecting the JTAG Programmer



Remove the dial and the M6 nut behind it. Then remove the 4 screws securing the front plate in place.

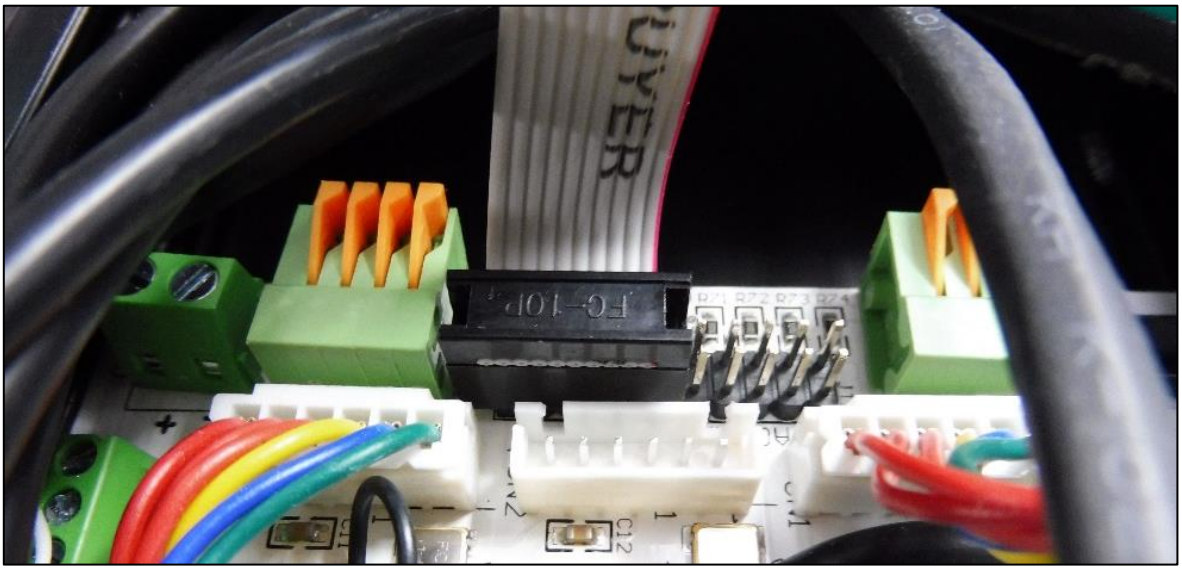


Once removed, slide the lid off the enclosure.



Connect the JTAG Programmer to the ribbon cable that’s already attached to the controller board.

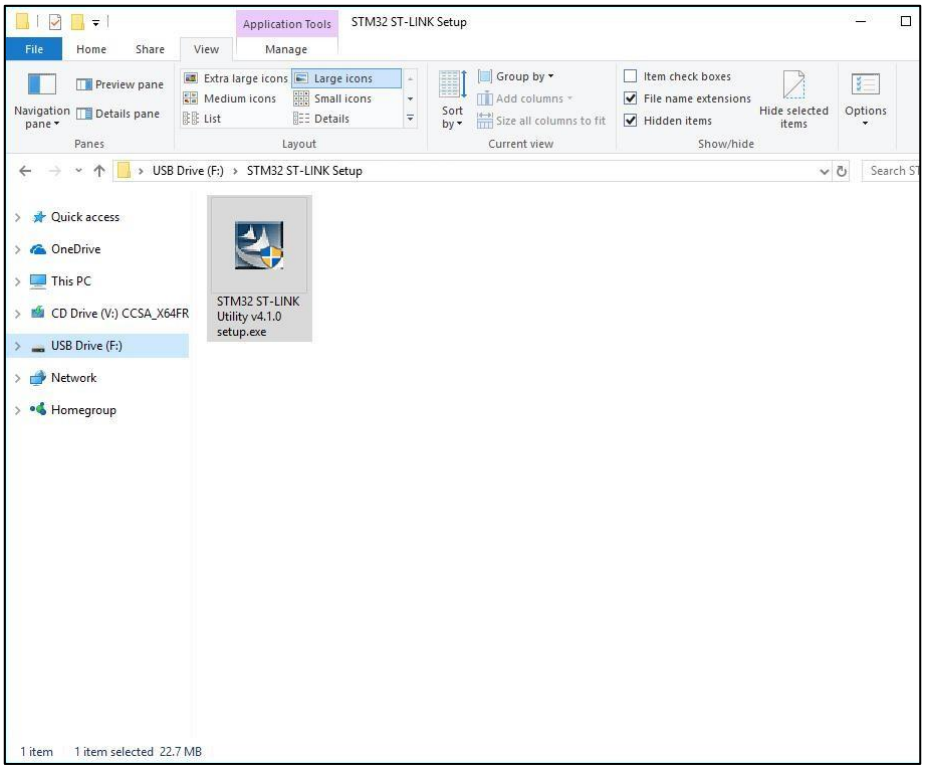
You can use a USB Male to Female extension cable if the JTAG does not reach your computer. (Not supplied with machine.)



IMPORTANT: If the ribbon cable gets removed or is not connected to the ARM Controller, then you'll have to connect the ribbon cable to "JTAG ST" on the controller Board.

Ensure it's connected as shown above with the red line on the right side.

Installing STM32 ST-Link Utility and programming firmware



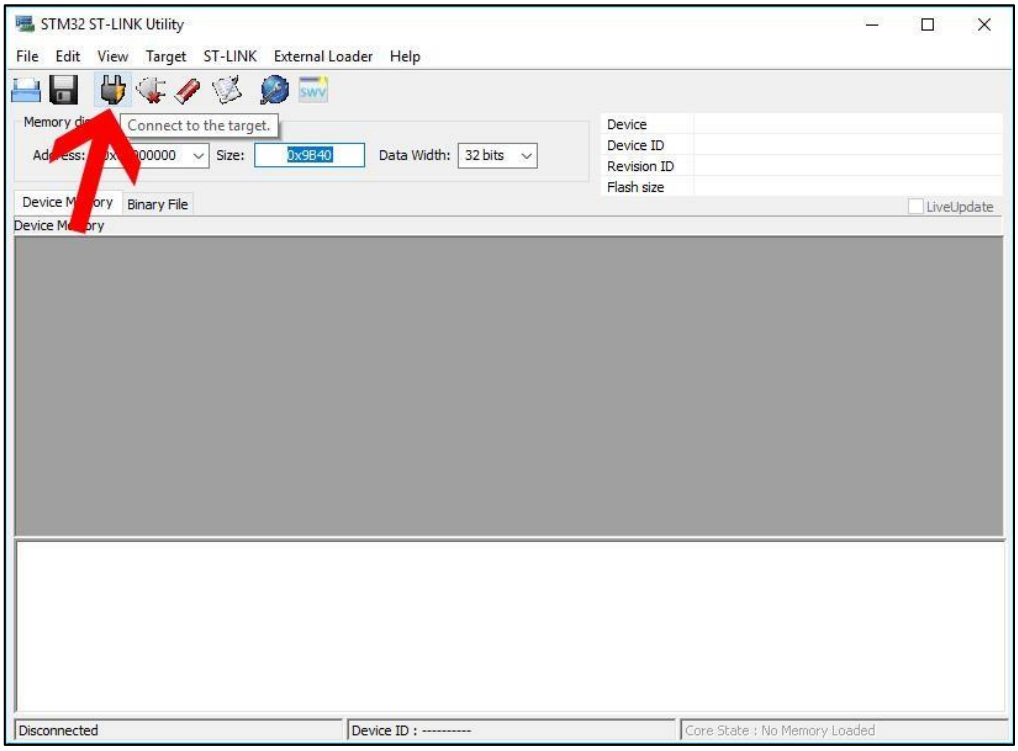
The STM32 ST-LINK Utility Setup Executable is located on the supplied USB memory stick as shown above.

Follow the instructions on the wizard to install the Program.

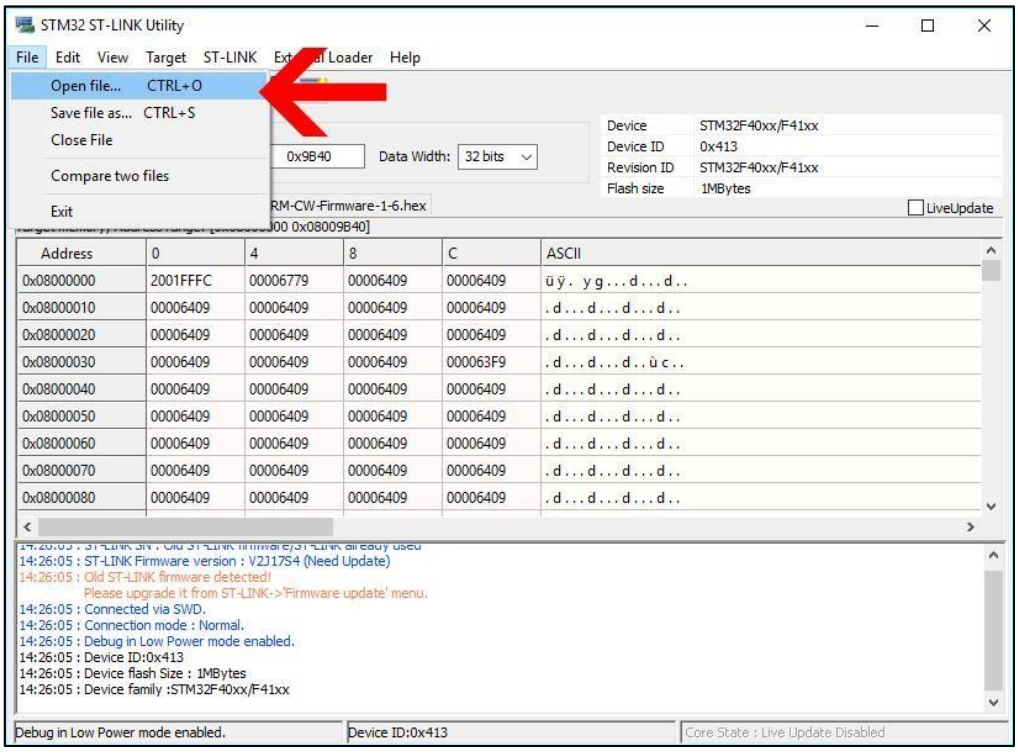
Alternatively you can download the software via the official Website.

http://www.st.com/en/development-tools/stsw-link004.html

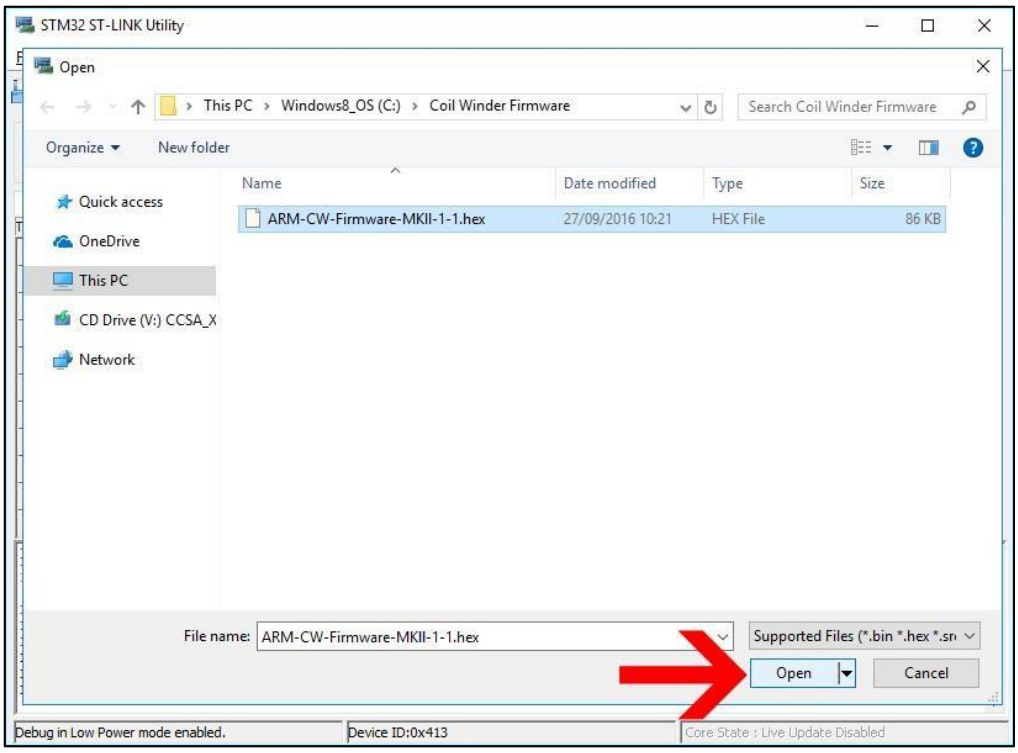
Once installed run the program.



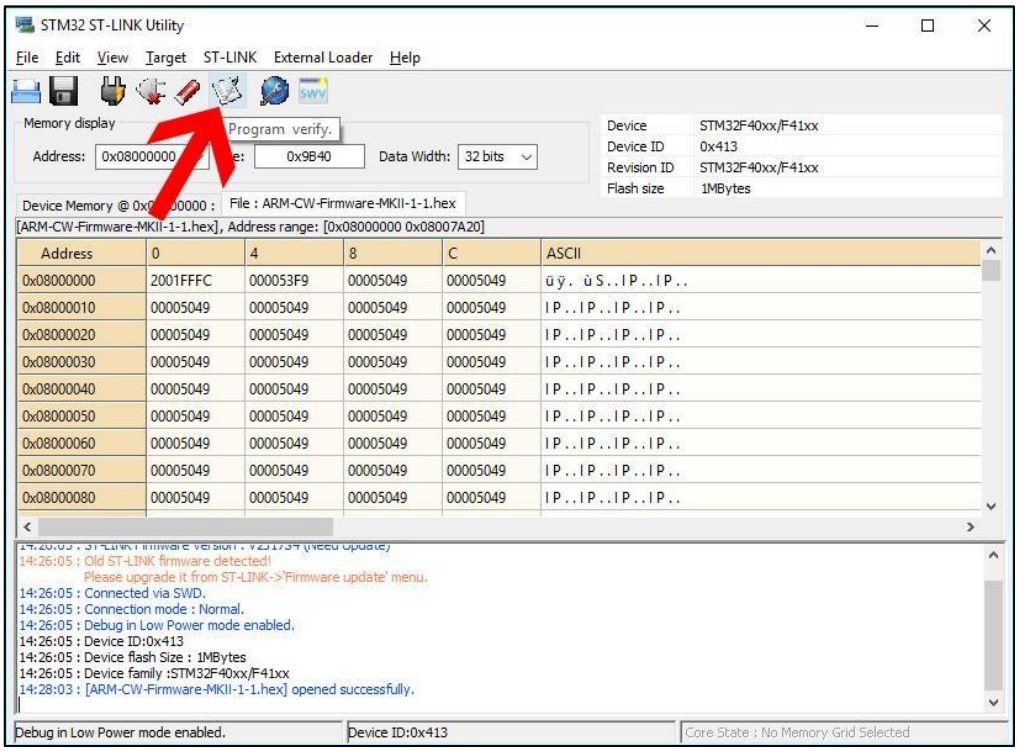
Ensure your JTAG Programmer is connected to your PC and click the Connect button.



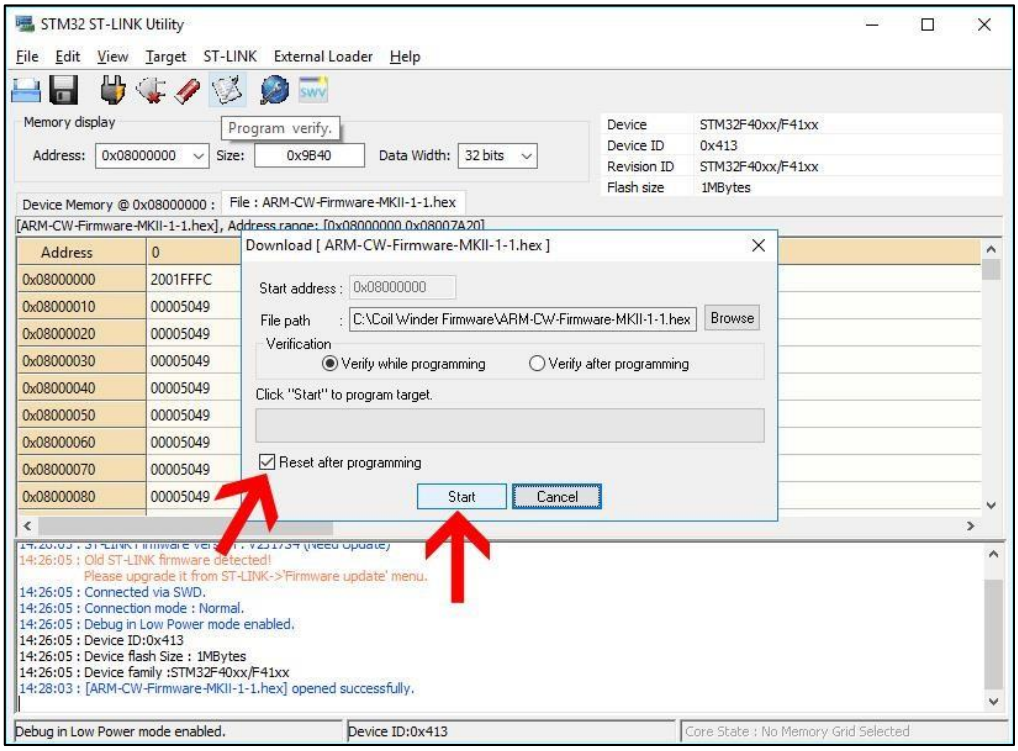
Along the top bar click “File” then select “Open file…” from the sub menu.



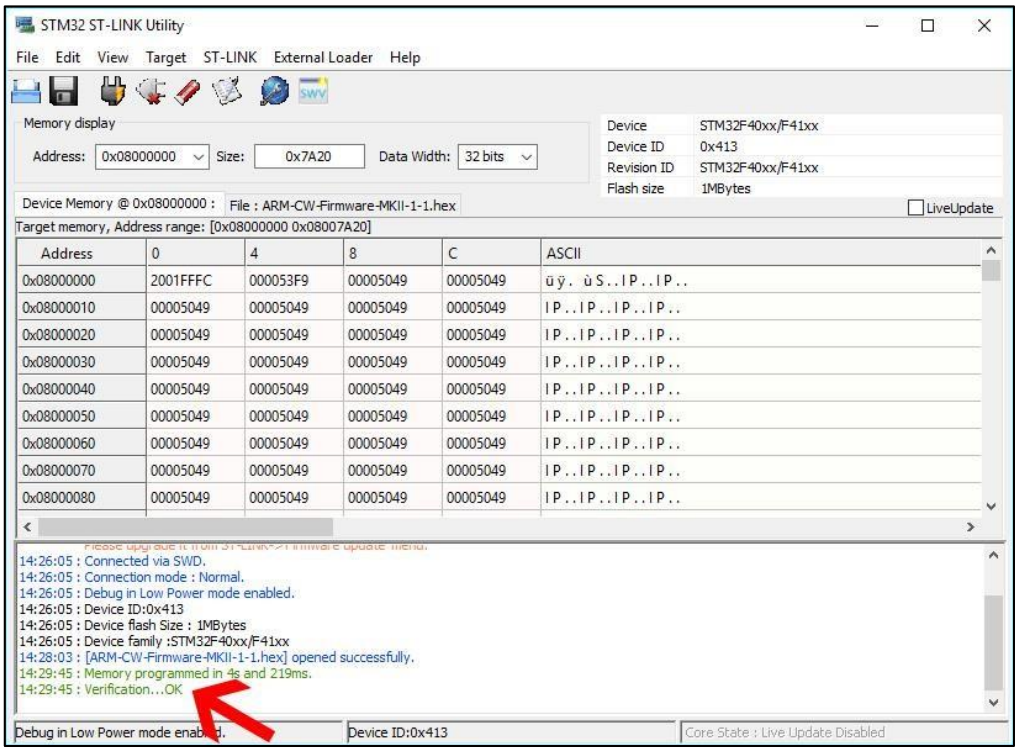
Locate the latest firmware file and click open.



Now click the Program Verify button.



Check the “Reset after programming” checkbox and click the start button.



Once complete you should see a verification…OK message in your log and now your Coil winder has the latest Firmware.

Now re-assemble the coil winder following the beginning steps in reverse.