

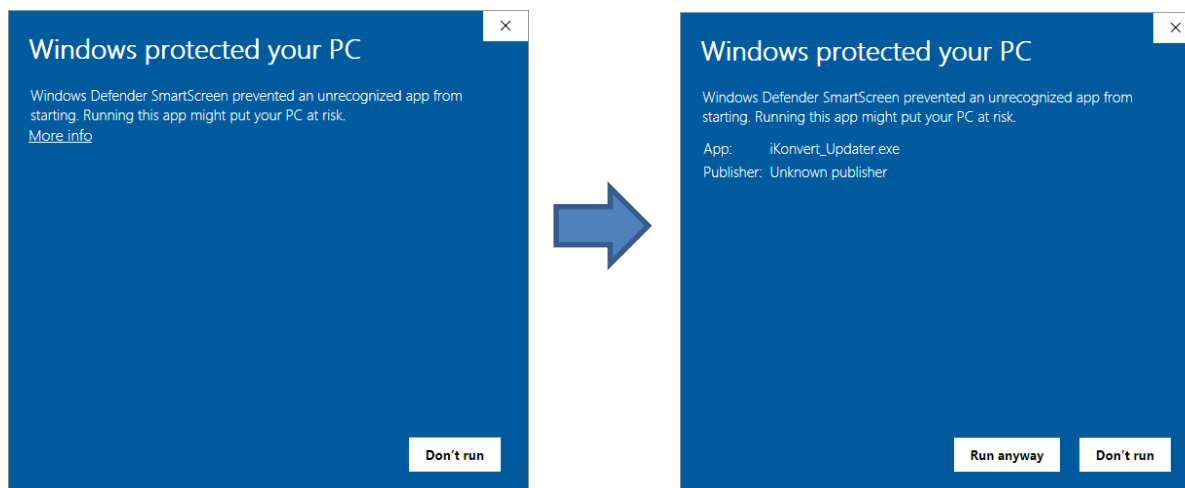
How to Update iKonvert Firmware

Digital Yacht will be regularly releasing new firmware for the iKonvert gateway, adding new NMEA0183 conversion modes, possibly new data formats and of course making improvements and fixing any bugs in the gateway's firmware.

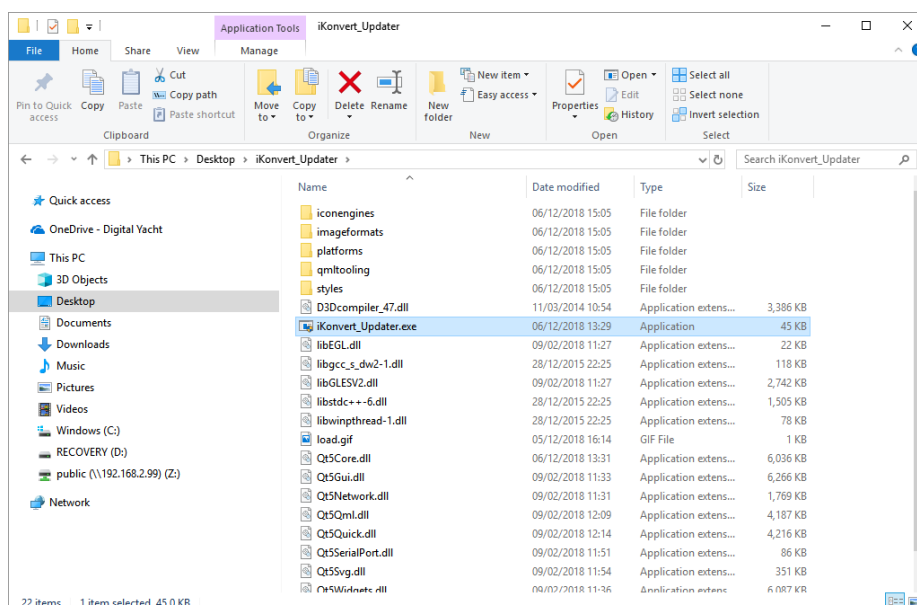
This procedure document, explains how to update the firmware using the iKonvert Firmware Update tool we have created. This tool is only developed for Windows but can run under WINE on LINUX or Mac computers.

Download the Update Tool from here - https://github.com/digitalyacht/iKonvert/blob/master/iKonvert_Updater.exe

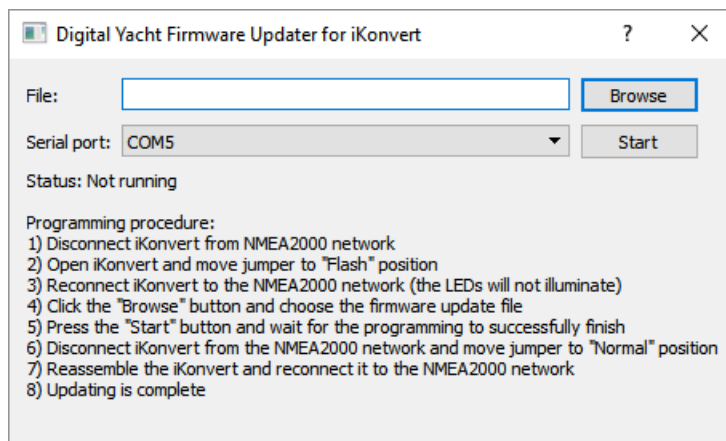
Once downloaded, run the self extracting EXE file to copy the necessary files in to a folder called "iKonvert_Updater" on your Desktop. Windows 10 users, will see a warning that the app is not recognised, but if you click "More Info" and then click the "Run anyway" button everything will install OK.



Once all of the files have been extracted, you should go to the new folder "iKonvert_Updater" on your Desktop, plug the USB cable of the iKonvert in to your computer and then run the iKonvert_Updater.exe file.

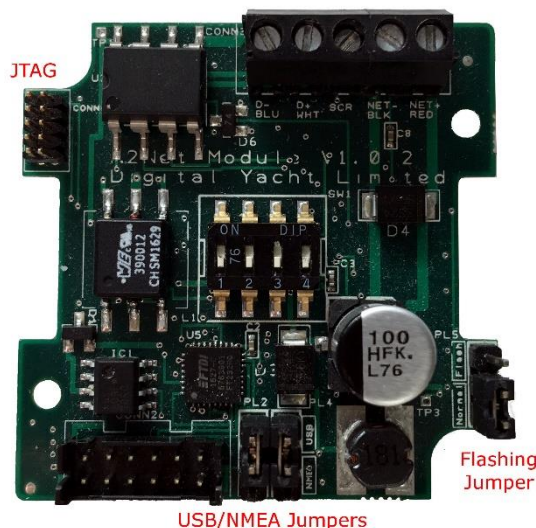


The iKonvert_Updater program is very simple and has two buttons, a COM port drop down selector menu and step by step notes on how to update the iKonvert firmware.

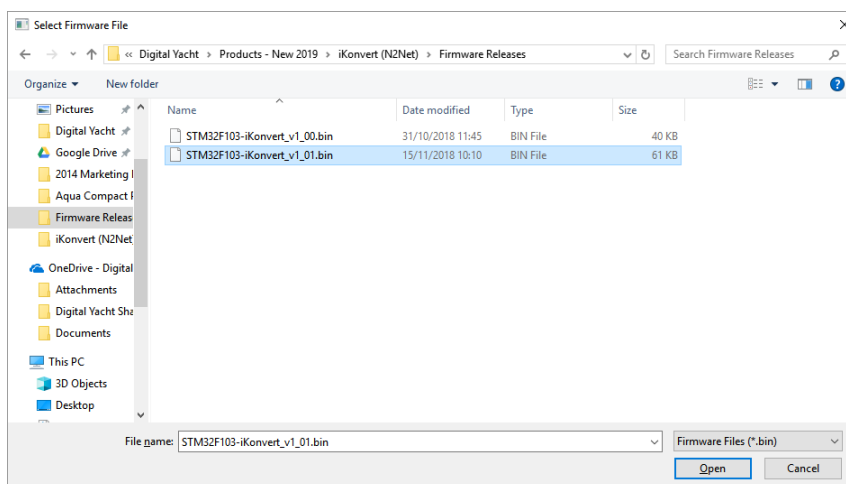


Assuming that your iKonvert has been detected by Windows and is shown as a COM port in the drop down list (COM5 in the example above), follow Steps 1) to 3), which will put the iKonvert in to the Flash programming mode ready to receive the new firmware update.

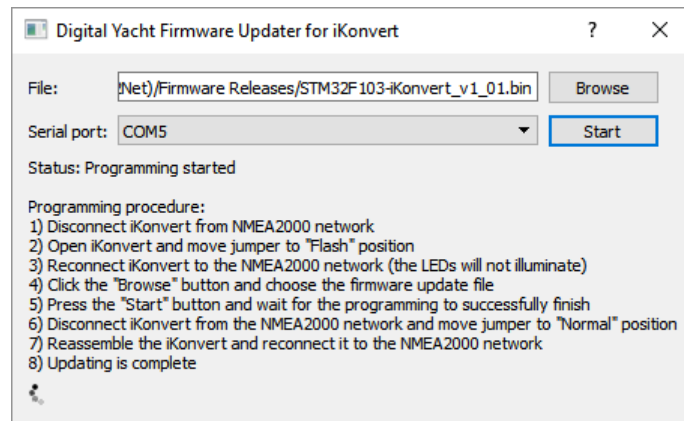
Please refer to the iKonvert PCB Image below to see where the “Normal/Flash Mode” Jumper is located.




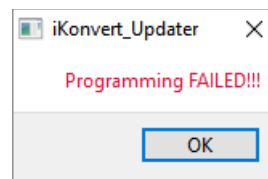
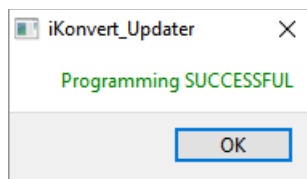
Now click the “Browse” button, which opens a Select File dialogue window, so that you can locate and select the latest iKonvert firmware update file (.bin).



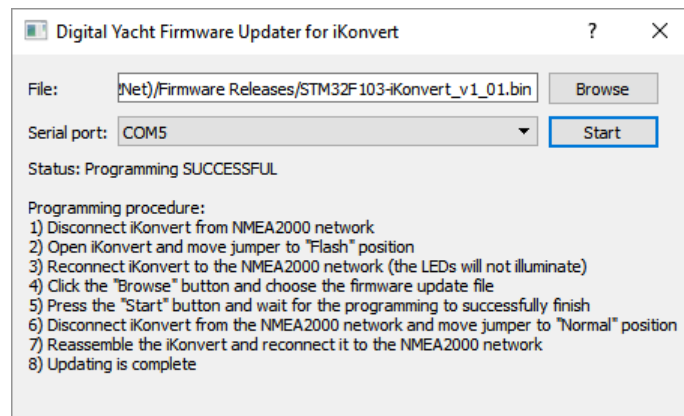
Once the update file is selected, click the “Open” button and the dialogue window will close and you will be returned to the main application window. Now click the “Start” button to begin the Erase/Program/Verify process.



Whilst the iKonvert is being updated (normally takes less than 60 seconds), a small spinning progress icon  will be displayed in the lower left corner of the window. Once the update is complete a small Pop-Up window will appear saying that programming was successful or that it failed.



Assuming the programming was successful, complete steps 6) + 7) to put iKonvert back to together.



You can use the iKonvert Tool to check what Firmware iKonvert is running, click the "Initialize" button and then click the "De-Initialize" button. A text string should appear with the firmware version number (V1.01 in the example below)...

