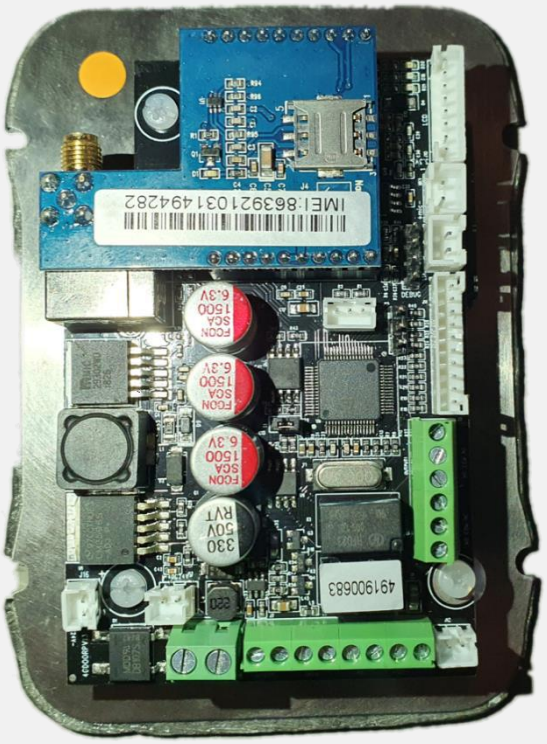
4G

Firmware Update Guidelines



!ATTENTION!
It is advised to have a record of stored data before performing a firmware update.
In the event that the data cannot be recovered the PCB will need to be programmed again.

As we add additional features and/or fix any bugs over time we will release a new firmware version. This guide will explain how to upgrade your PCB with the newest version.

By reviewing the complete list of parameters, it will show which version the feature was added so you can compare with your existing system.

(Send the SMS for signal level to the unit to find the firmware version currently installed.)

PLEASE ENSURE YOU HAVE ALL YOUR DATA BACKED UP IN THE INSTANCE THE DETAILS ARE LOST DURING THIS PROCESS. This is a precautionary measure as in most cases the data is kept intact after a firmware update

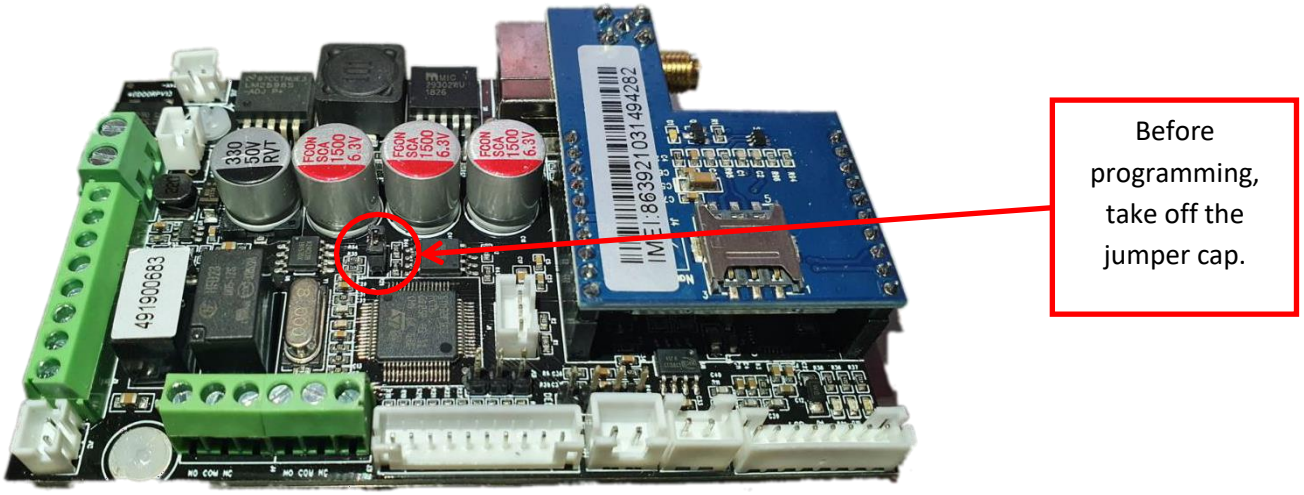
To complete a firmware update, you will need:

Firmware update Kit (USB Data Lead)	**A Laptop** (USB connection required) (Flash Loader PC Program, New Firmware File)
	

Please Install the “Flash_Loader_Demonstrator_V1.2_Setup.exe” to your PC for the programming. This can be found on the link that comes with your Upgrade Kit, alternatively speak to technical who can send you a link to download the file.

Step1.

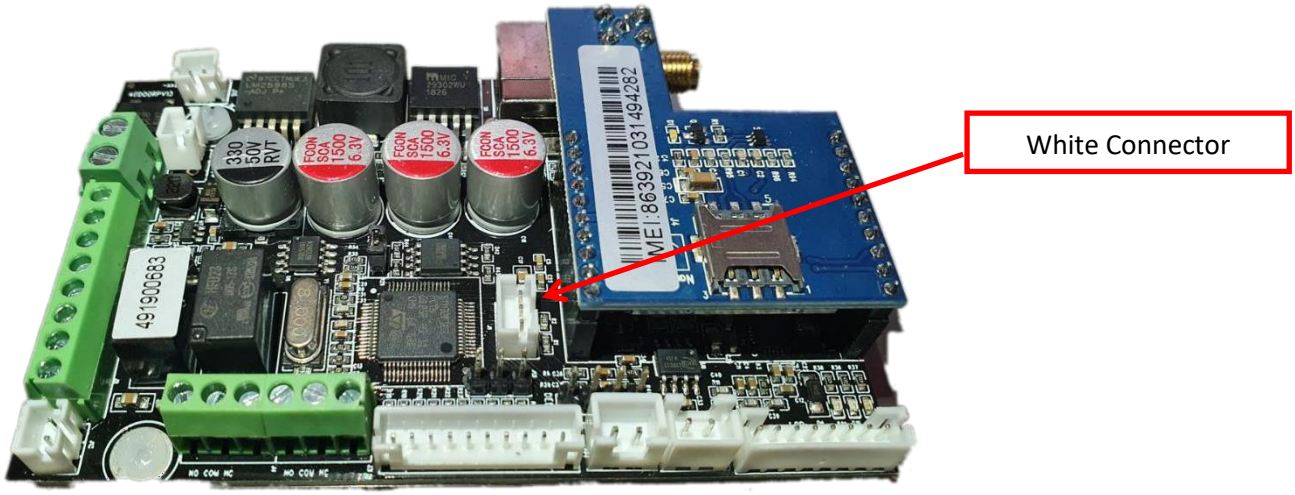
Before programming, please turn power off to the PCB & remove the “Jumper cap” (C15) from the board. (Make sure to keep this safe)



Step2.

Connect the data cable to the USB port on the PC and then to the white connector on the board before switching power back on.

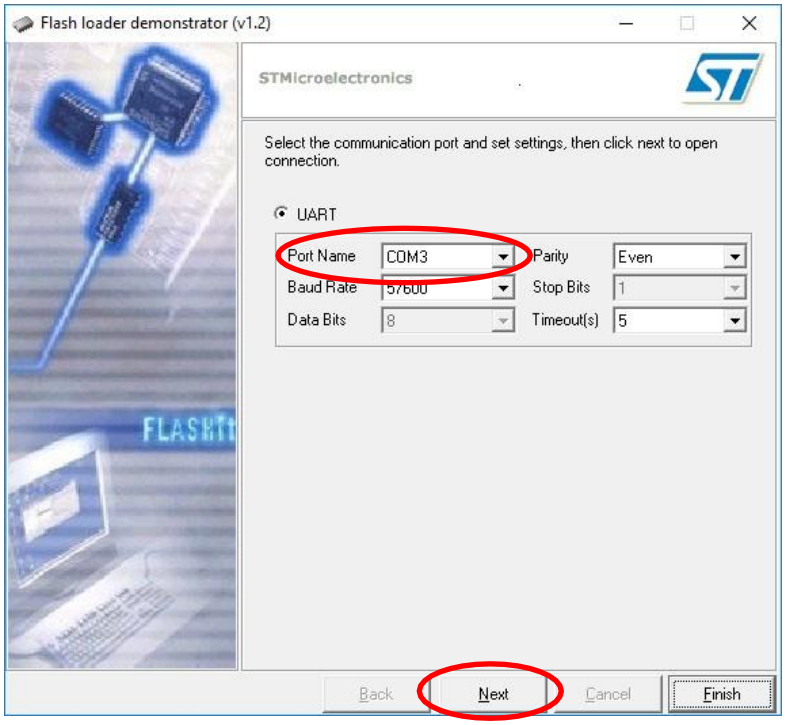
(If you have a unit with a keypad temporarily remove the cable currently plugged into this connection)



Step3.

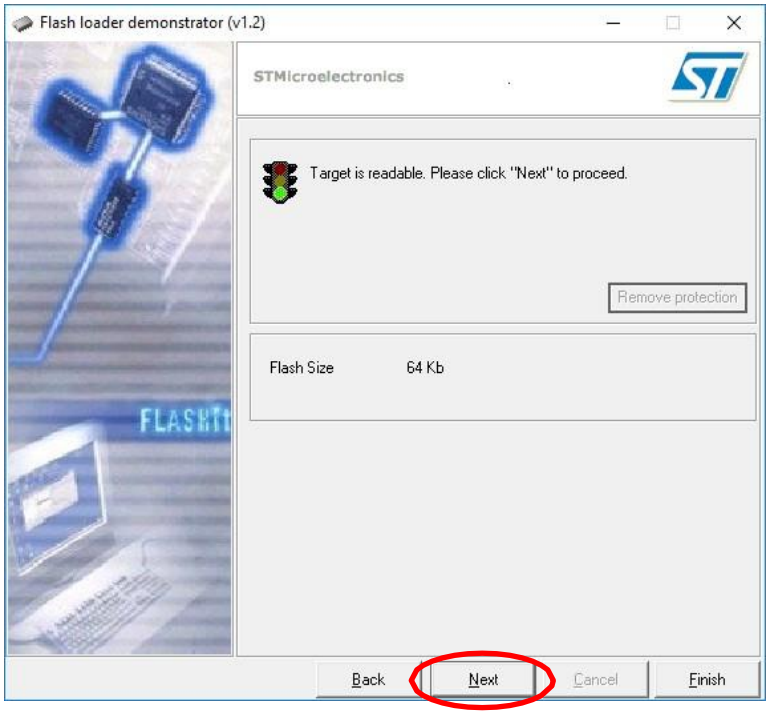
Open the Flash Loader Demo and click “next” to open connection.

(The program should pick up the USB port automatically, if it does not you may need to manually select the correct COM port under ‘Port Name’)

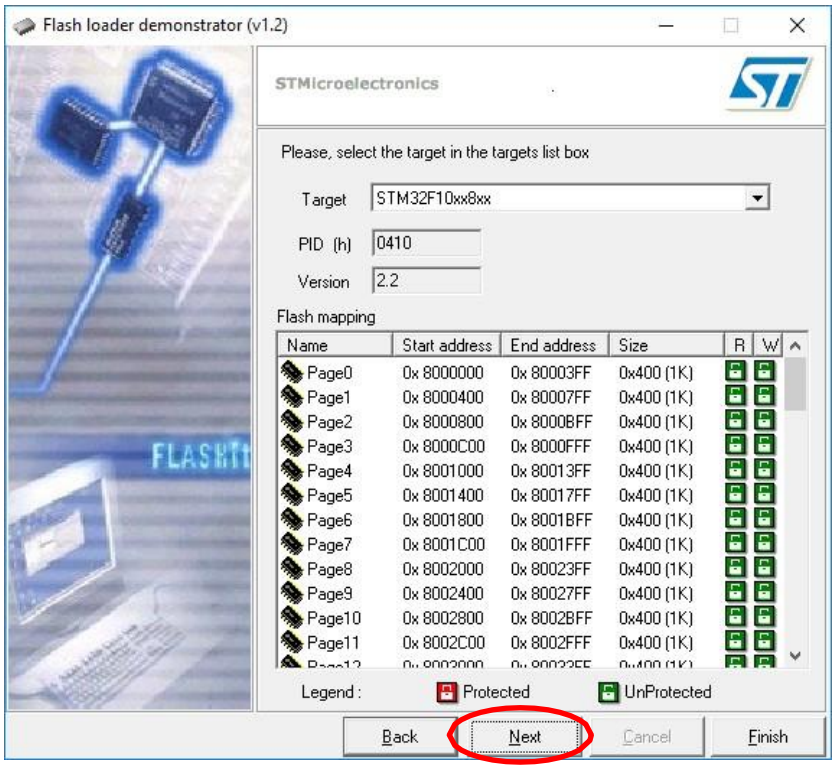


Step4.

Click “next” to proceed



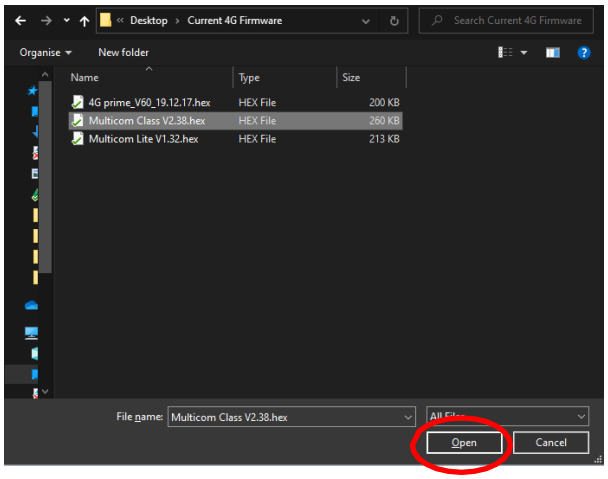
Step5.
Click “next” to proceed



Step6.
Select “Download to device”

Step7.

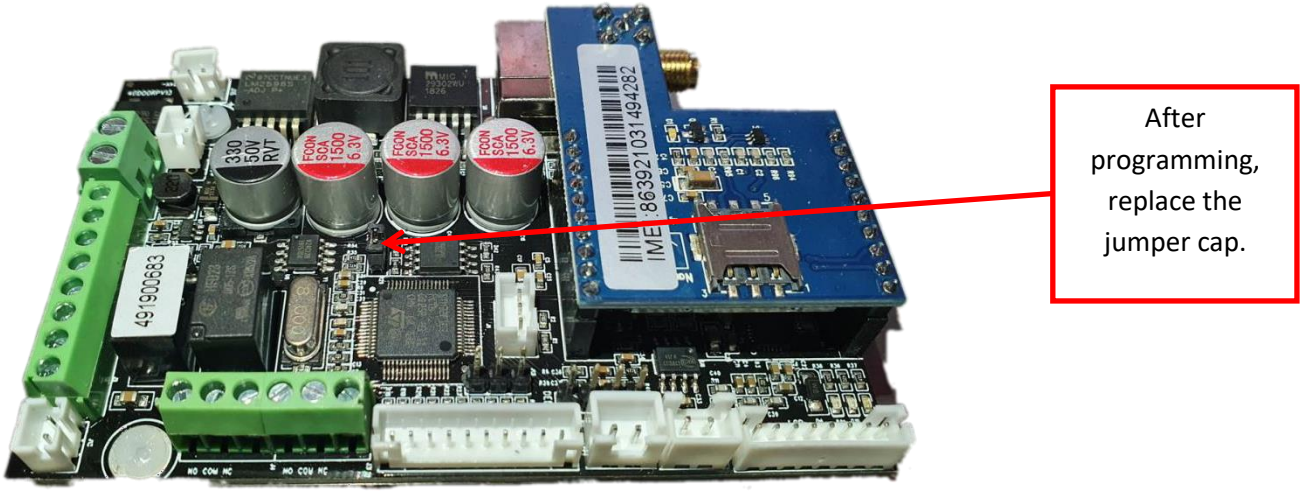
Click the button on the right to find the .hex file in your PC (CD) and select, then click “next”



Step8.
Click Finish when you see “Download operation finished successfully”

Step9.
Disconnect the programming cable and the power supply for the board.
(If you have a unit with a keypad replace the cable that was plugged into this connection)

Step10.
Put on the jumper cap on the board, then you can use or test the board now.



Send the SMS for signal level to the unit to find the firmware version now installed. (*20#)

***Depending on the version of firmware you are updating from the data that was previously on the PCB may be removed. If this happens you can recall the data by sending 5555*99#.**

Advanced Electronic Solutions Global Ltd
Units 4C, 4B, A7, A8, A9 & A10
Kilcronagh Business Park,
Cookstown, Co Tyrone, United Kingdom, BT80 9HJ
Tel Head Office: +44(0)288 639 0 693 I **Email:** technical@aesglobalonline.com
Web: www.aesglobalonline.com
Vat Reg: 971238609 I **Company Reg:** NI072570