

Argon 100 programming procedure

Preparation

Obtain firmware for the unit to be upgraded from Sequoia. The firmware for the unit is locked to the units' IMEI number, which is found on the reverse of the unit. The picture shows the label on which the IMEI number is printed.



This IMEI number will need to be supplied to the Sequoia technical support team in order to generate a firmware loader file which will be specific to the unit / IMEI number

The loader file received from Sequoia and used to update the Argon is an executable file with file format like "temp_logger_m-v9__359551032357872.exe"

Where

Temp-logger-m is the identifier that it is Argon firmware

v9 is the version number

359551032304395 is the IMEI number of the Argon that the firmware is intended for.

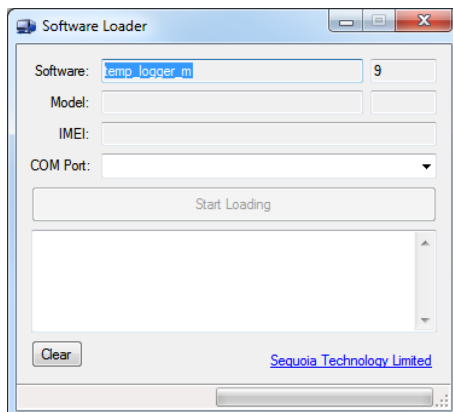
Procedure

Use a computer connected to the Internet to carry out the upgrade procedure. An Internet connection is required as part of the upgrade process to validate the firmware update. The computer used must have a serial port. If the computer does not have a serial port, please use the USB to RS232 adapter that was supplied with the Argon 100.

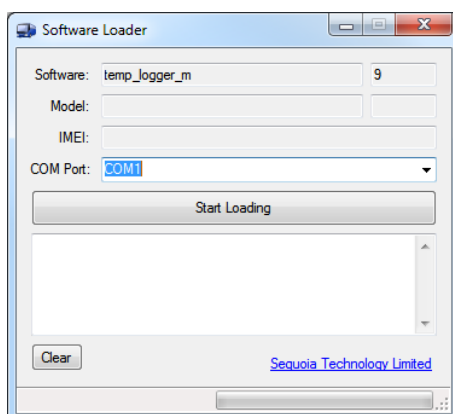
Connect the Argon to be upgraded to the RS232 port of the PC, but do not apply power at this stage. No network connection or SIM card is necessary in order to upgrade the Argon.

Double left click on the loader file to run it. If the open file security warning window opens, choose **Run** to continue.

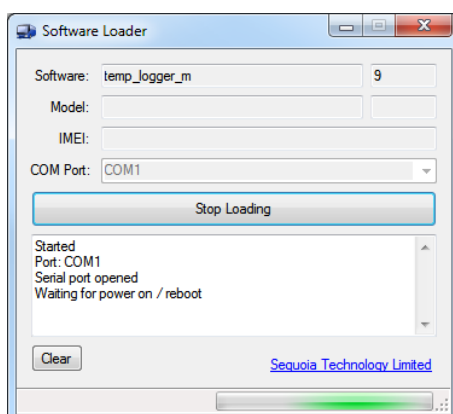
The initial Software Loader window opens:



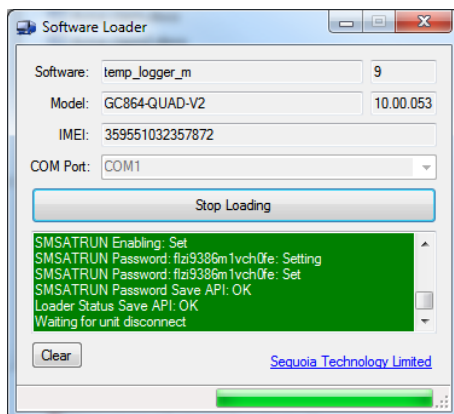
Select the com port used to attach the Argon 100 from the drop down menu, and then click the **Start Loading** button:



The loader confirms that it has started and is waiting for power to be applied to the Argon:



Apply power to the Argon. The loader will start the upgrade process that will take around a minute. When the green screen showing Waiting for disconnect appears, the upgrade process is complete:

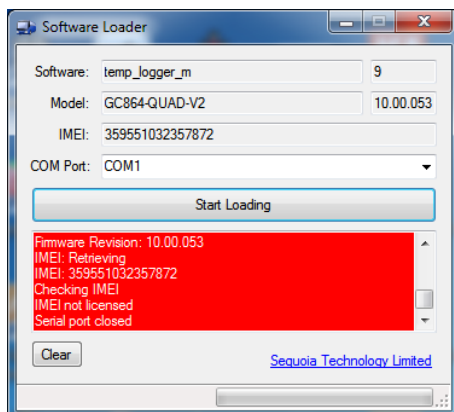


Close the loader program and cycle power to the Argon. The firmware upgrade procedure is complete.

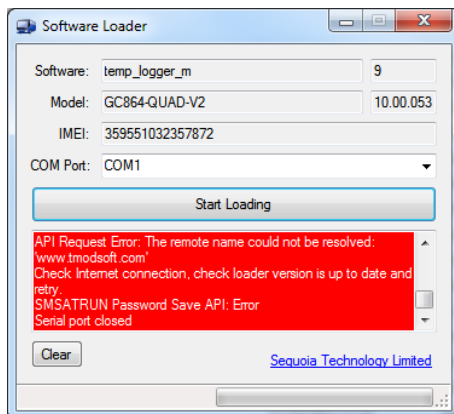
A red screen indicates that an error has occurred and the firmware update process has not completed successfully.

Error Messages

If the firmware used does not match the IMEI number of the unit that is being programmed, an **IMEI not licensed** error message will be generated:



If the PC used to do the upgrade is not connected to the Internet, an **API:Error** message will be generated



Notes

On version 9 and later the SMS command “connect version” (substitute the password set for the unit for the word connect if the password has been changed from the default connect) will report the version of firmware in the Argon. Units with earlier firmware releases will not respond to this command.

The Argon configuration tool is linked to the Argon firmware. If the Argon uses version 9 firmware, then you need to use the version 9 configuration tool to configure the Argon. The configuration tool for all the released versions of Argon firmware can be found on the Sensormetrix web site, www.sensormetrix.co.uk.

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