

M680 – M720 Firmware Loader User Guide (TE 081713)

Firmware Loader User Guide

560547-001

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Overview

- The Firmware loader software (TE081713) will allow upgrades to the M680 and M720 main application and boot codes. The software has been designed to prevent the user upgrading a counter with the incorrect firmware.
- When upgrading the boot codes the original serial number of the counter is retained.
- There is no difference in the upgrade operation between M680 and M720.

Software Installation

Create a folder on C drive called ClearviewTraffic

Copy the folder “680-720 App Loader” to the ClearviewTraffic folder created above.

The 680-720 App Loader folder should contain the following files only:-

M680_720FL.exe

Config.xml

474V3_x_x.sw where x is the latest version.

504V3_x_x.sw where x is the latest version.

507V2_x_x.sw where x is the latest version.

512V2_x_x.sw where x is the latest version.

There should be no other files in this folder.

In the event of a later release of firmware the existing .sw file **MUST BE DELETED** before copying across the later version.

For ease of use create a desktop shortcut to M680-720FL.exe

To create a shortcut, navigate to “680-720 App Loader” folder, right click M680-720FL.exe , from the dialogue box select “Create Shortcut”.

A shortcut icon will then be created in the folder, simply drag this to the desktop.

Pre Requisite

M680

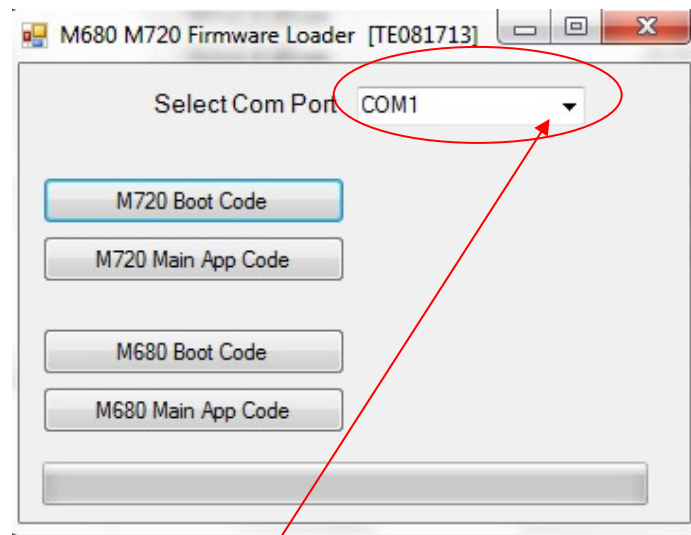
Ensure battery voltage is at least 6.2 volts

M720

If not being mains powered ensure internal battery voltage is at least 6.2 volts

Upgrade Procedure

- Connect an engineers terminal lead between the unit to be upgraded and a com port on laptop/PC.
- Double click on the M680-720.exe Shortcut.

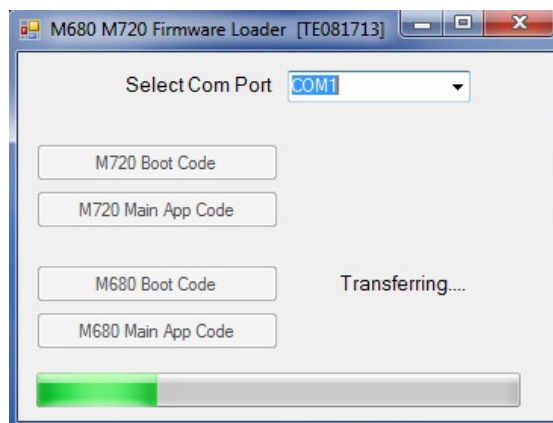


The following procedures are the same for M680 and M720 for either Boot Code or Main Application Code.

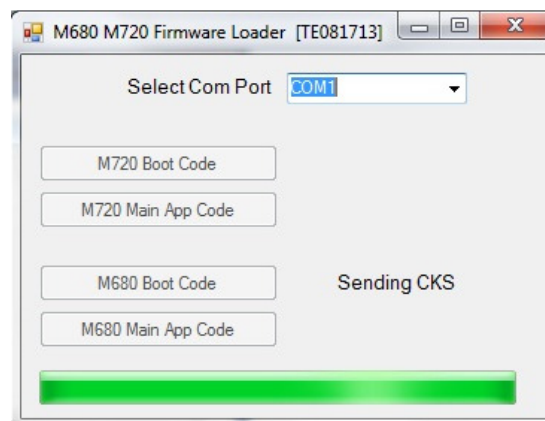
- Select the com port on your laptop/PC that the engineers terminal lead is connected to.
- In the example below we will upgrade an M680 Boot Code.
- Click on the M680 Boot Code button.



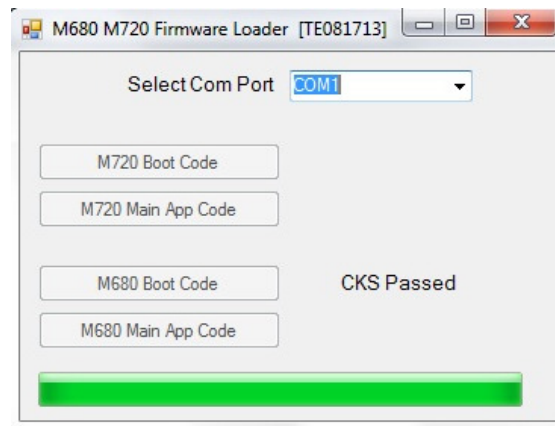
Power Cycle (Remove power wait 5 seconds and re-apply power)
From this point onwards do NOT remove power from the unit being upgraded as this may result in the counter being rendered un-useable and will require the counter being returned to GRT for rectification.



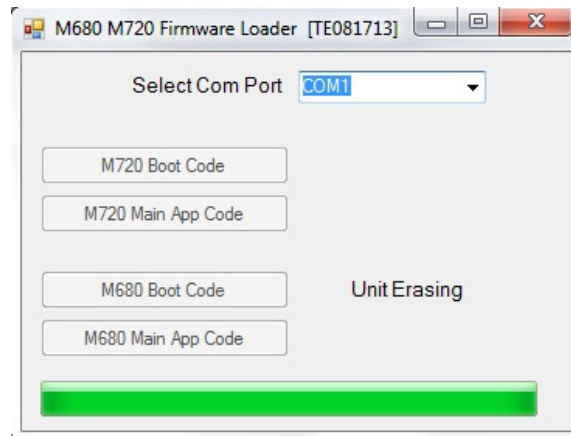
Copying file to counter



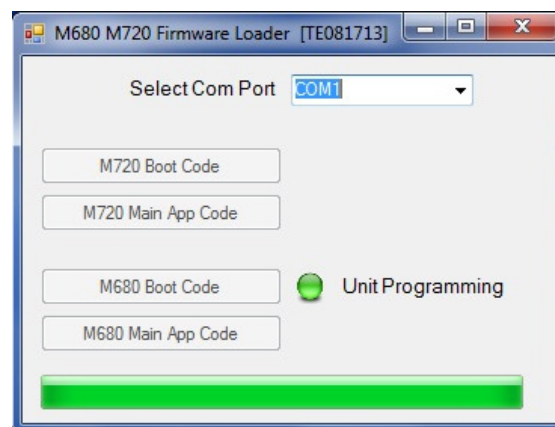
Sending file Checksum



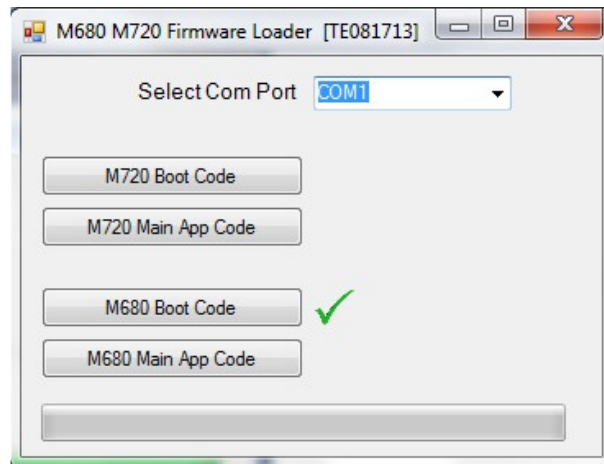
Confirming file checksum is correct



Erasing existing code from counter



Programming new code into counter



Upgrade complete – you can now remove power if required.

To confirm successful upgrade, connect to counter with MLink and check application/ boot version number

