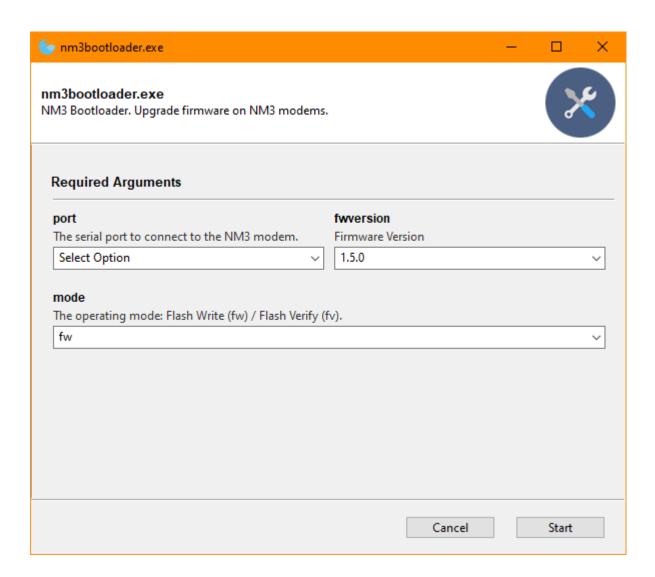
## NM3 Modems – Flashing the Application Firmware

2023-10-18

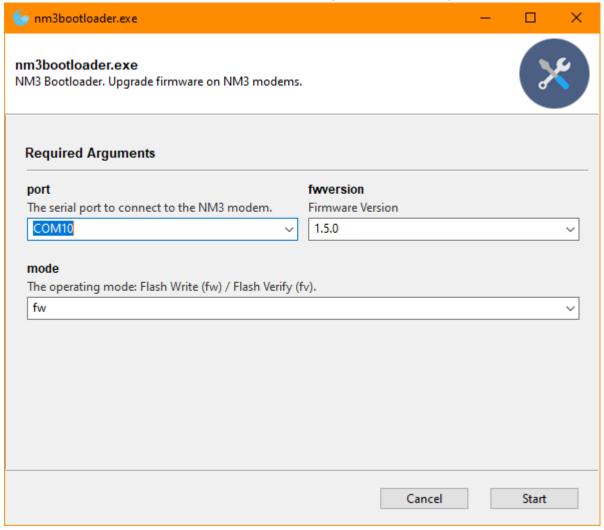
## Flashing the Application Firmware

RS232 Serial Connection is Required for this. With the device powered off to start with.

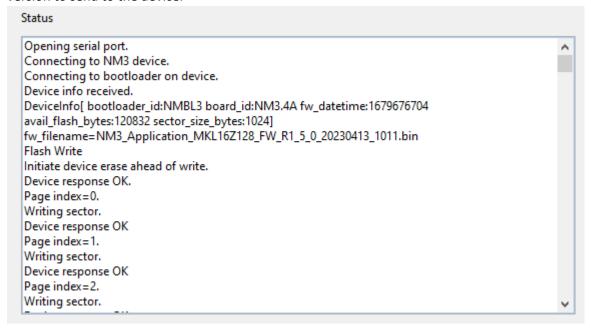
Software: nm3bootloader.exe



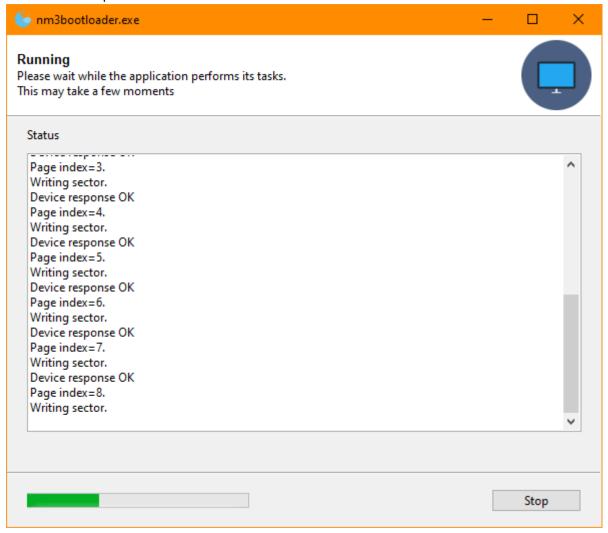
Select the COM port that is connected to the Modem. Select the firmware version (the default is the latest). Select the mode: fw = Firmware Write. Power up the Modem then press Start.



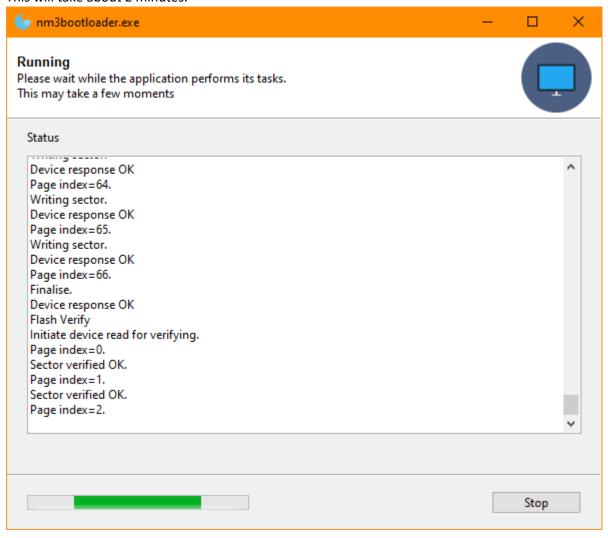
The Status window will then update to show progress. It first tries to connect to the bootloader to determine which version of the Modem is connected. It then finds the correct binary for the Modem version to send to the device.



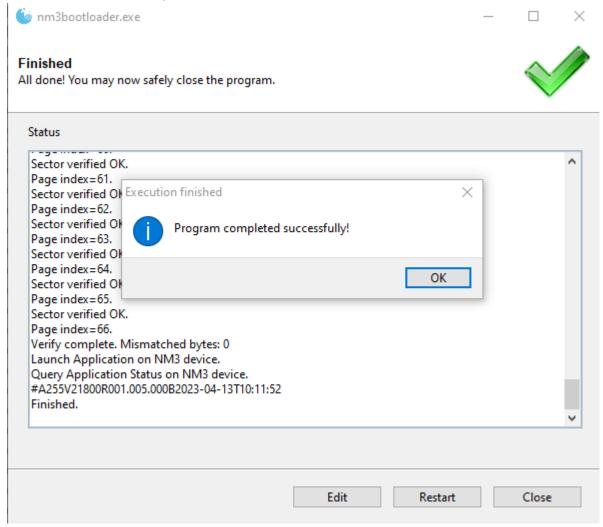
The Flash Write process will take about 1 minute.



After writing the binary it will then read back the flash memory to verify that it has written correctly. This will take about 2 minutes.



When it finishes verifying the flash it will launch the application on the PCB. If there is a transducer connected you will hear it beep. It will then query the modem status to get the build number. This should match the version you selected.



The modem now has the application flashed to it.