

IF-NMEA2K2 Update Instructions

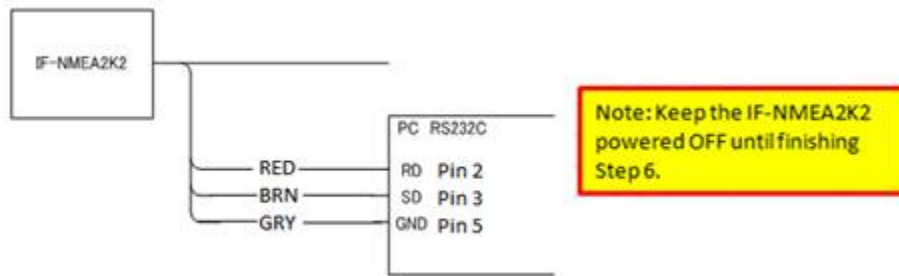
Update via PC

Refer to page 4 for NN3D Uploader instructions

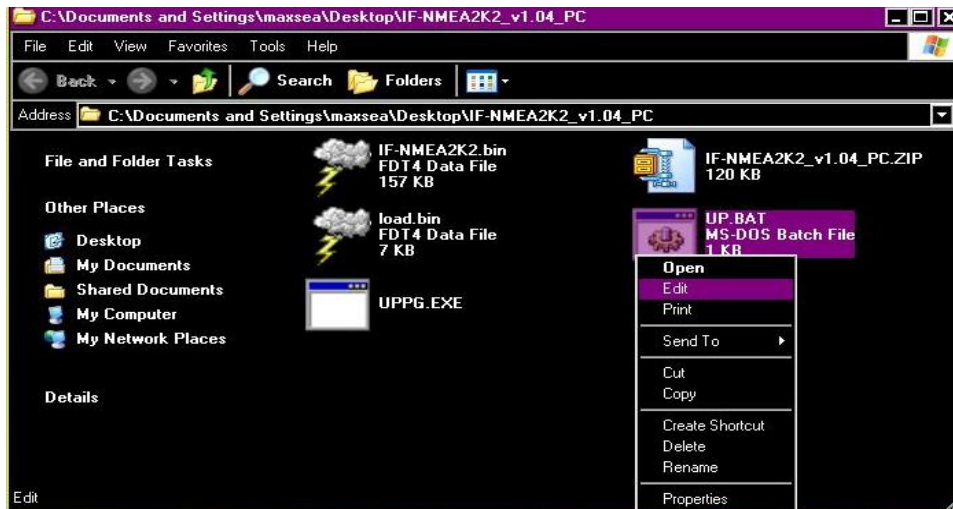
1. Unzip the program file and copy it to a PC. You can copy these files to a folder or directly on the PC. In this example, the program files are copied on the folder [IF-NMEA2K2].



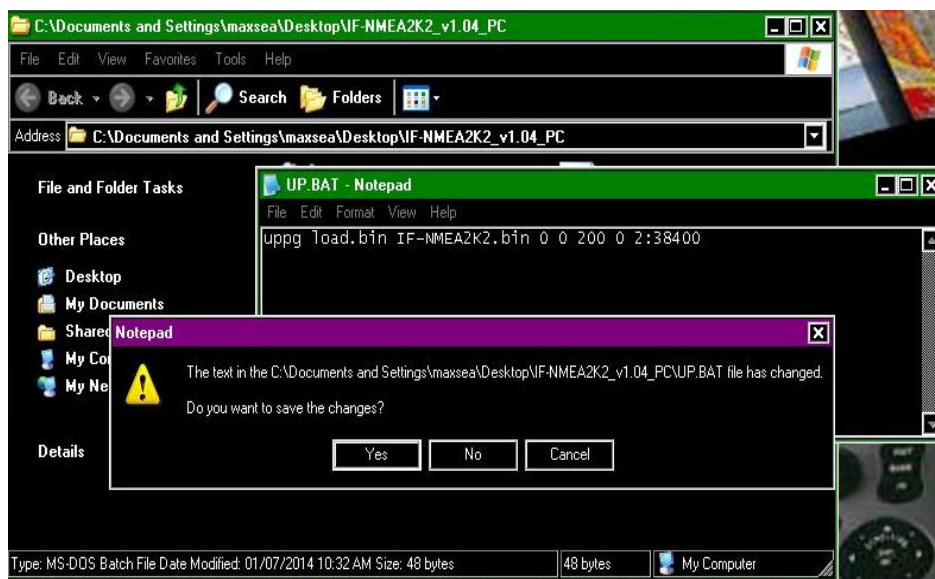
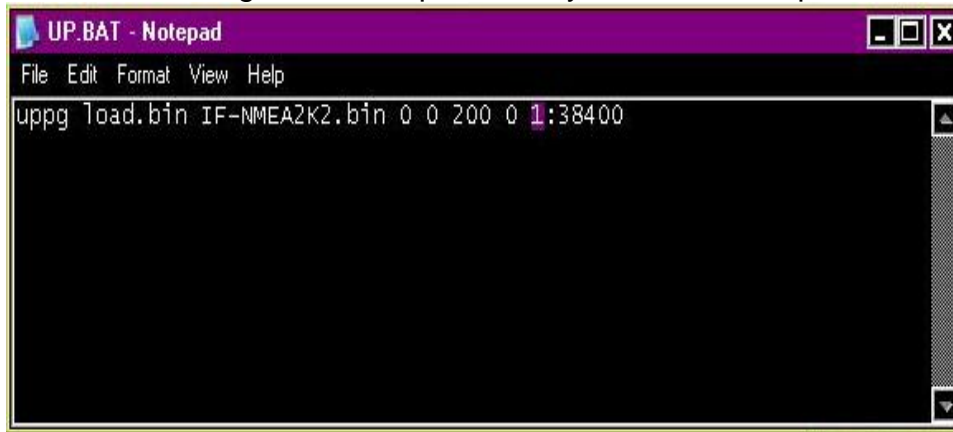
2. Turn off or remove the NMEA0183 data input to the IF-NMEA2K2. Connect the IF-NMEA2K2 RS232C wires to the PC (RS232C).



3. Check the appropriate serial port (COM port) number of the PC.
If the COM port is set to [1], proceed to Step 6.
If the COM port is set to [2] or larger number, proceed to Step 4 and 5.
4. Right click on the “UP.BAT” file and select [Edit (E)].



5. The following window will appear. In the "UP.BAT" file, the COM port is stated as [1] at default. Change the COM port "1" to your PC's COM port.



6. After confirming the correct comm. port. Execute the "UP.BAT" file on the PC. The following window will pop up:

```
C:\WINDOWS\system32\cmd.exe
EA2K2.bin 0 0 200 0 1:38400
Program upload utility Version 9.01
Copyright(c) FURUNO ELECTRIC CO.,LTD. 1997-2006 (T.K)
                2006-2007 (A.N)
uppg infile1 infile2 p1 p2 p3 p4 p5 p6 p7
p1: Deletion waiting time.
p2: Waiting time to write.
p3: Password output interval.
p4: ID number.
p5: Port number.(1,2...)[:Baudrate.]
p6: New wait time to write.
p7: Other options.
    LD[tl/lr]: t/r:Loader sending wait Time[ms]/Records.
    ES[sl]   : s :ROM erase sectors.
    TP2[f]   : f :target file2 which will be selected by "P1" command
Erase Wait time:0sec
Write Wait time:0msec
Password output interval:200msec
Port no. = 1
Baudrate:38400bps
New wait time:0msec
- ROM erase sectors:
- Loader sending wait time:0msec/0records
TARGET POWER ON.
```

7. Turn on the IF-NMEA2K2. After the PC recognizes the IF-NMEA2K2, the update with start as follows:

```
C:\WINDOWS\system32\cmd.exe
Program upload utility Version 9.01
Copyright(c) FURUNO ELECTRIC CO.,LTD. 1997-2006 (T.K)
                2006-2007 (A.N)
uppg infile1 infile2 p1 p2 p3 p4 p5 p6 p7
p1: Deletion waiting time.
p2: Waiting time to write.
p3: Password output interval.
p4: ID number.
p5: Port number.(1,2...)[:Baudrate.]
p6: New wait time to write.
p7: Other options.
    LD[tl/lr]: t/r:Loader sending wait Time[ms]/Records.
    ES[sl]   : s :ROM erase sectors.
    TP2[f]   : f :target file2 which will be selected by "P1" command
Erase Wait time:0sec
Write Wait time:0msec
Password output interval:200msec
Port no. = 1
Baudrate:38400bps
New wait time:0msec
- ROM erase sectors:
- Loader sending wait time:0msec/0records
TARGET POWER ON.
Execute STEP1
Execute STEP2
160110Byte transfer
+006 % completed.
```

8. After the update finishes, reboot the IF-NMEA2K2 by removing it from power

End of IF-NMEA2K2 PC update.

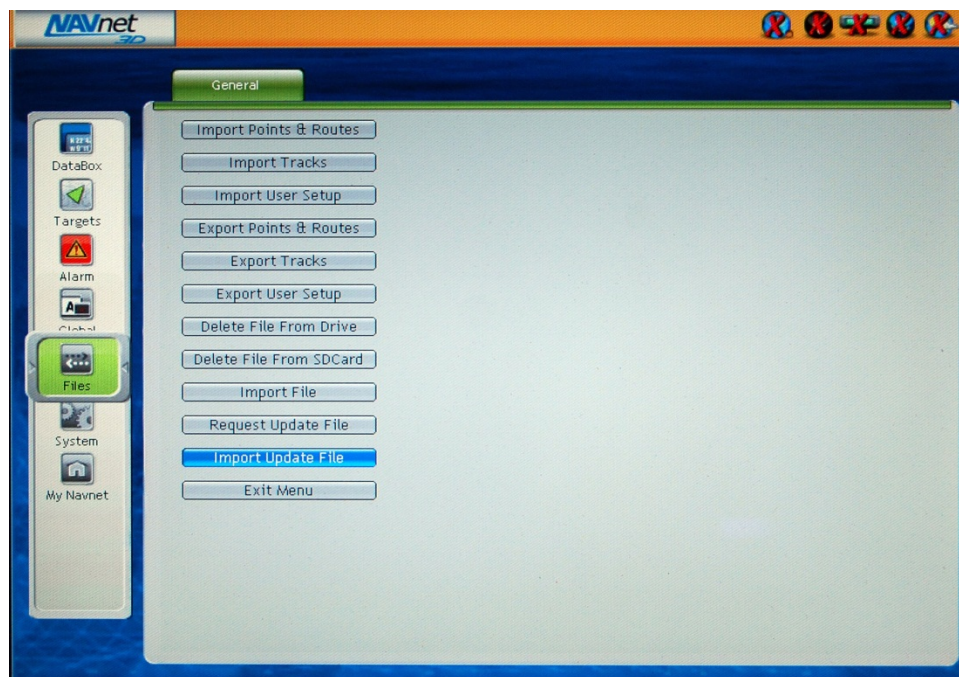
Refer to the next section for NN3D update via Uploader software.

IF-NMEA2K2 Update via Uploader (NavNet3D)

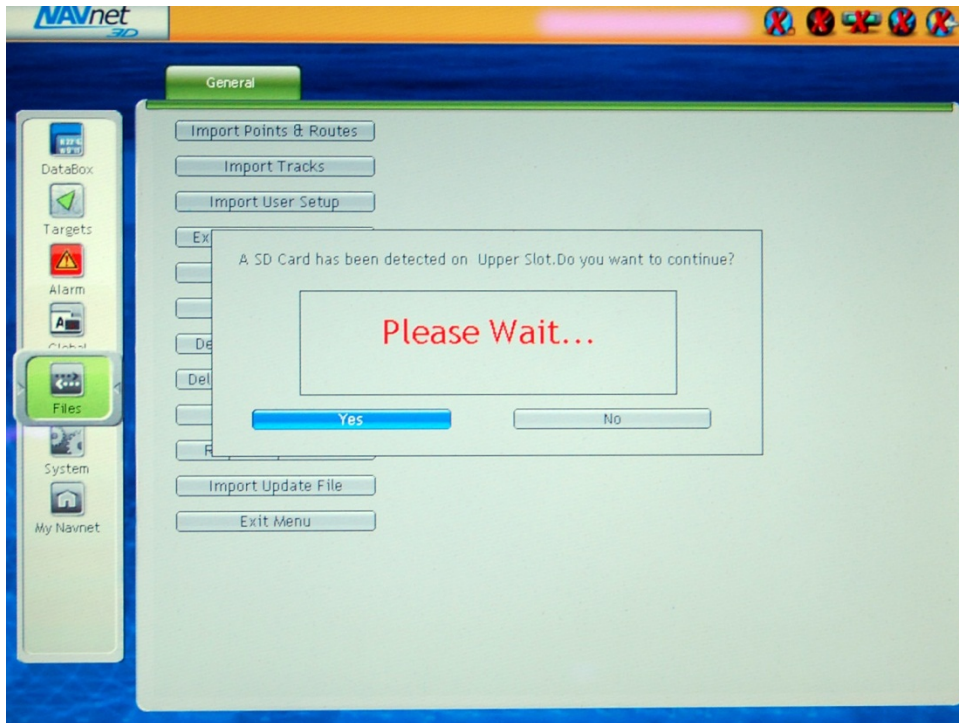
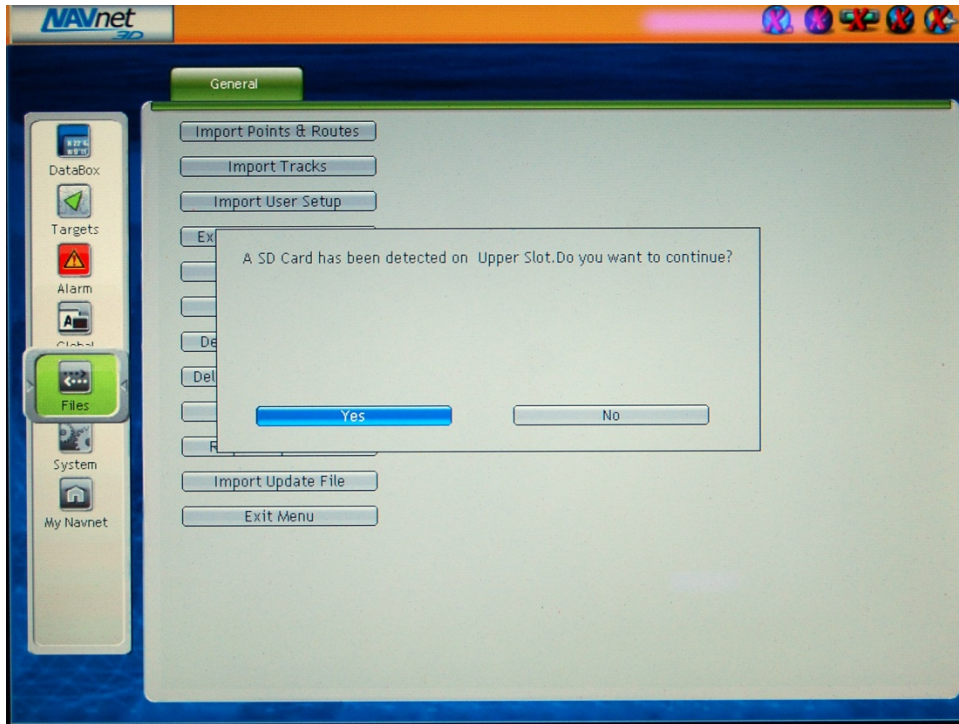
1. Unzip the upgrade file and then copy it on your SD card.

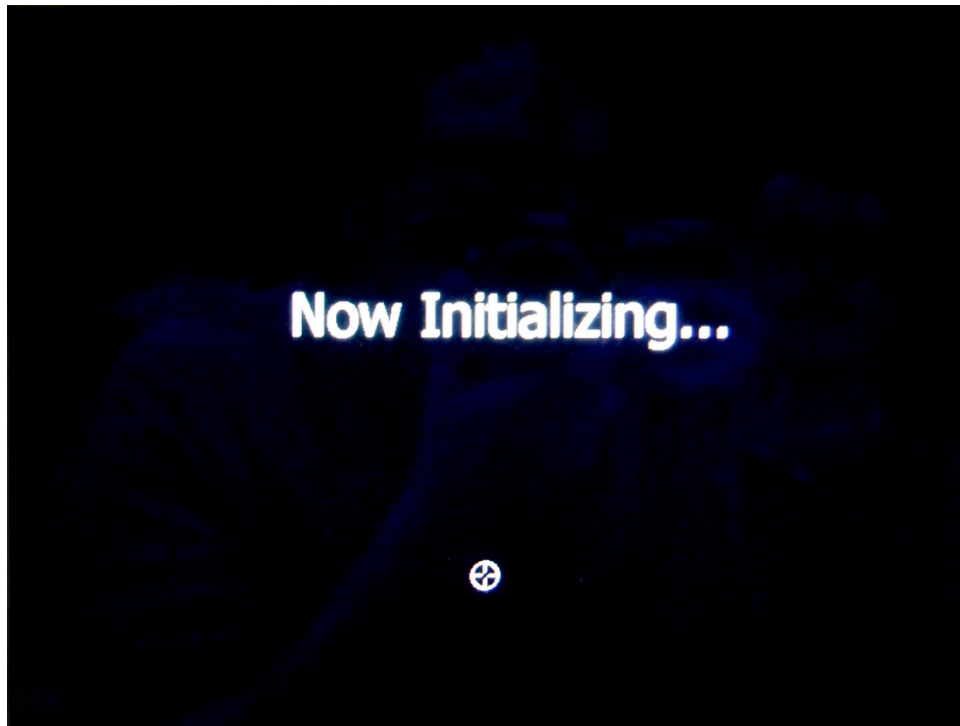


2. Insert the SD card into NavNet3D (upper slot of the SD card reader) , and open the update file [MENU] Key – [Files] – [General] – [Import Update File]

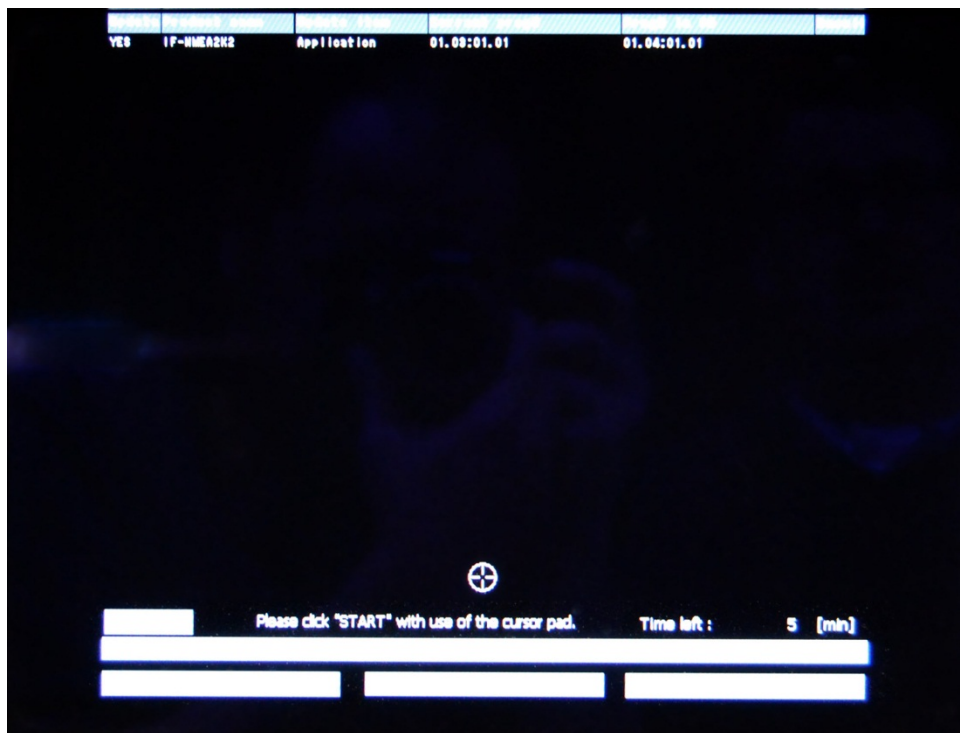


3. Click on [Yes] to open the Uploader window.

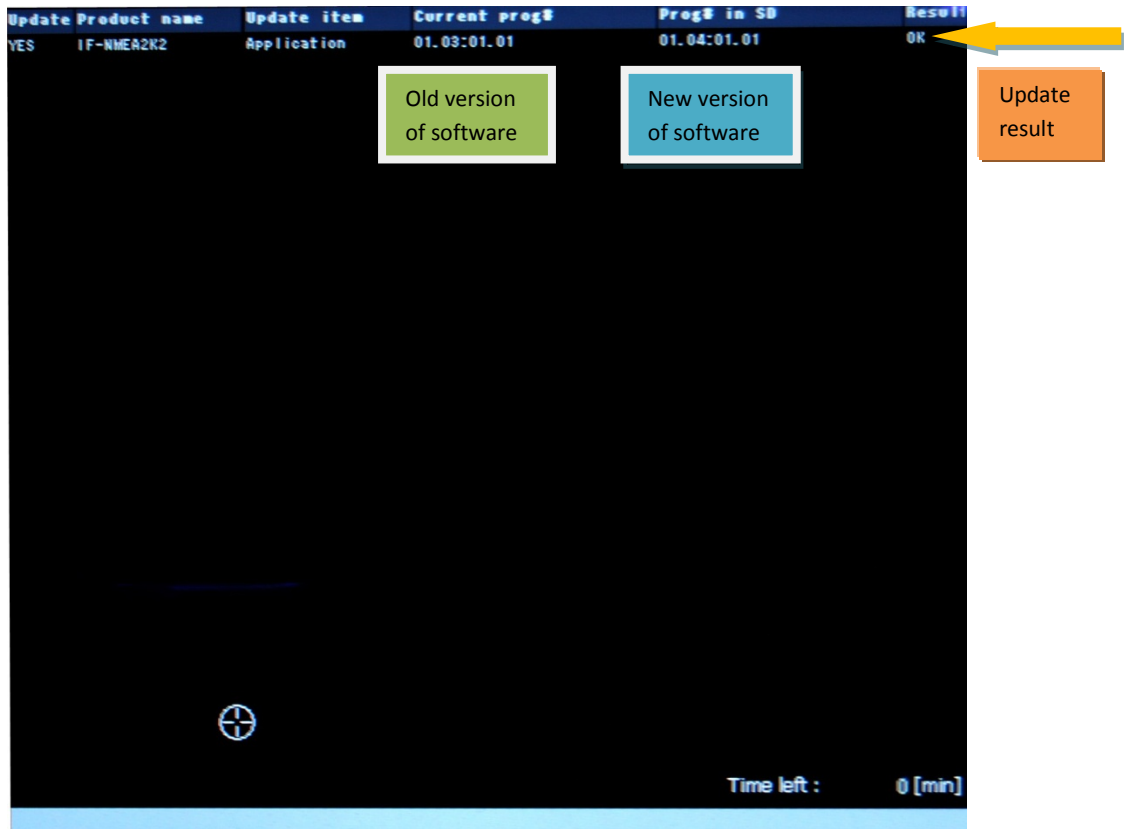
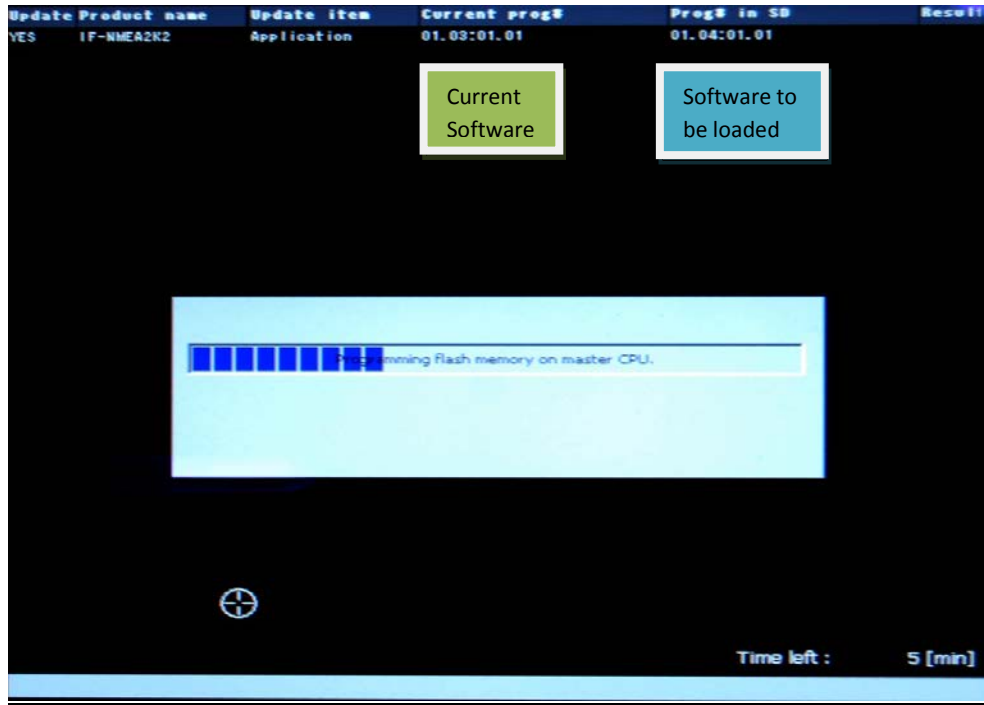




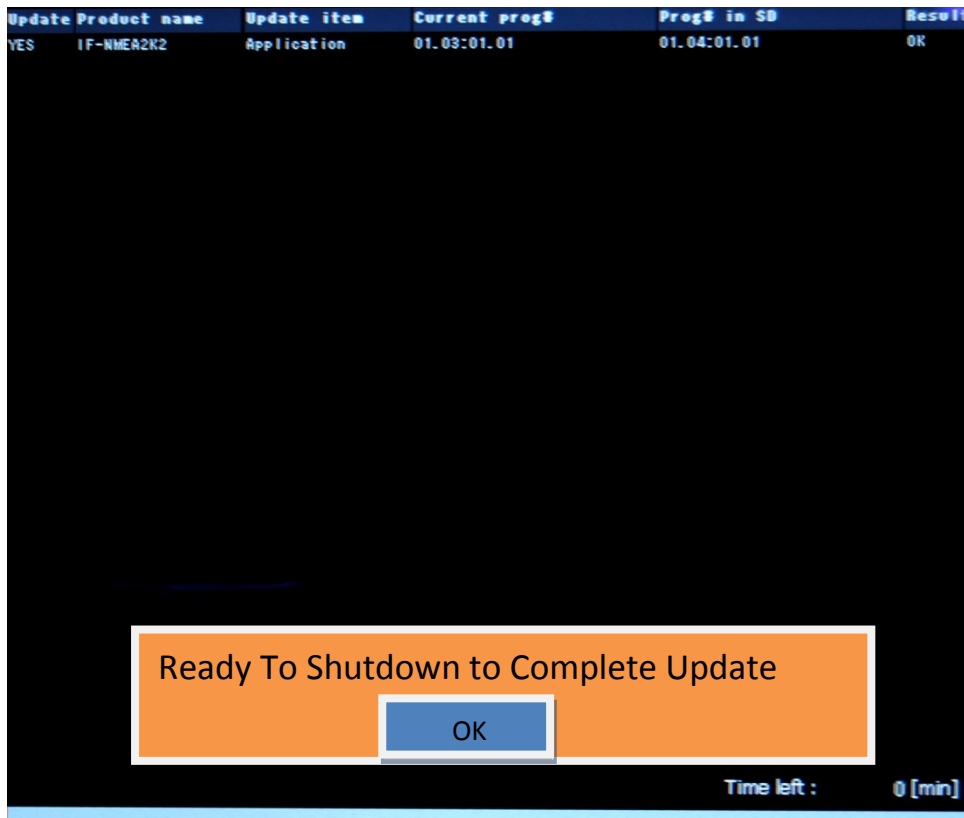
4. Select [IF-NMEA2K2] and click on [Start].



(Update in progress...)



5. Update finished. When you click on [OK], NavNet3D will shutdown automatically.



When you click OK the MFD shuts down. To upload software to another IF-NMEA2K2 converter you will have to restart the MFD and start over from step 2.

END

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