NavPilot 700/711(C)/720 Software Update Procedure

To update the NavPilot software, you will need the following items:

- **Laptop or Desktop PC with available USB port**

- **USB cable with a Male type-A connector at one end and a Male type-B connector at the other end.**

- **The zip file NP711C SoftwareP127 C 108 containing 2 zipped software folders labeled as follows:**

  FAP-7002_App_01.27 (This contains software for the NavPilot processor unit)

  FAP7011C_App_01.08 (This contains the software for the NavPilot control unit)

  Connect the USB cable between the PC and the NavPilot Processor with all Control unit(s) connected.

Connect the NavPilot Processor to vessels 12 / 24 VDC supply.

USB

12 / 24 VDC Power
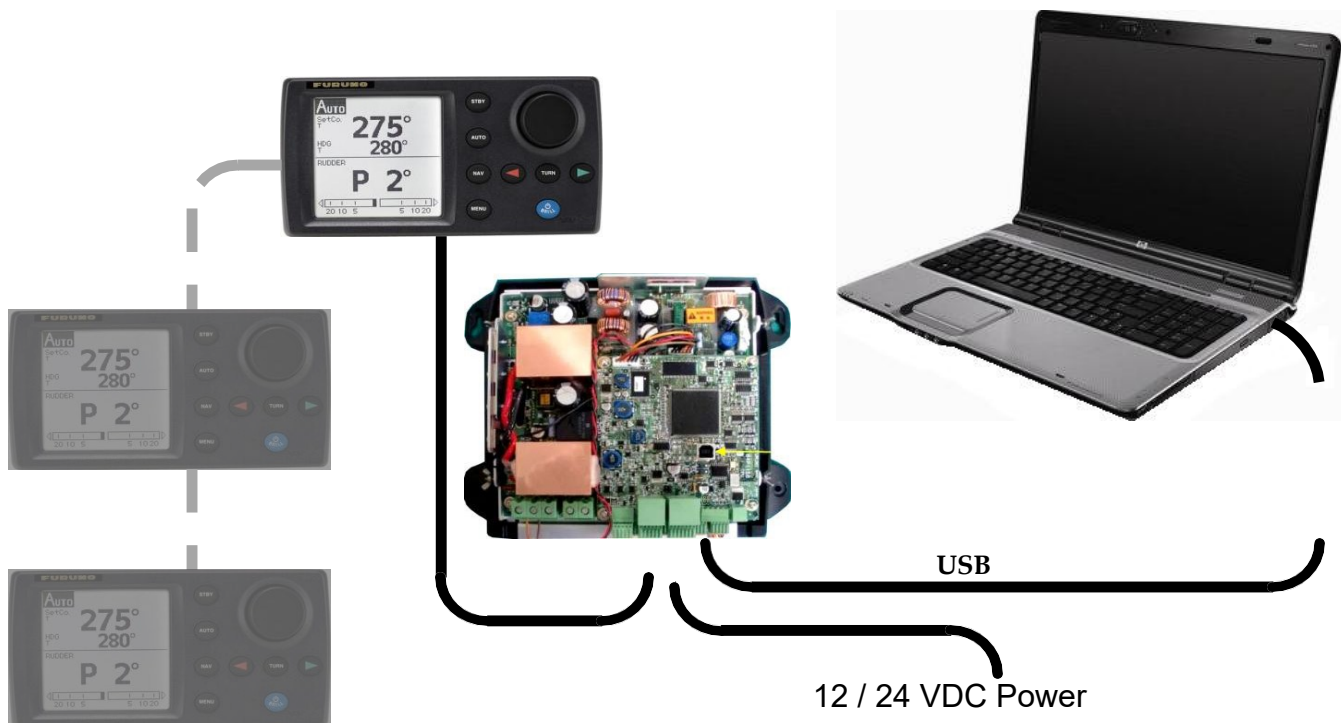
Update Procedure

After installing the driver software on the PC, the NavPilot 700 / 711/ 711c/ 720 can now be updated using the steps detailed below. There is a total of 2 updates that need to be completed. There is the Application file for the Processor and an Application file for the Controller.

1. Connect any / all Control units to the NavPilot Processor and then press the POWER / BRILL key on one of the Control units to power on the NavPilot system.
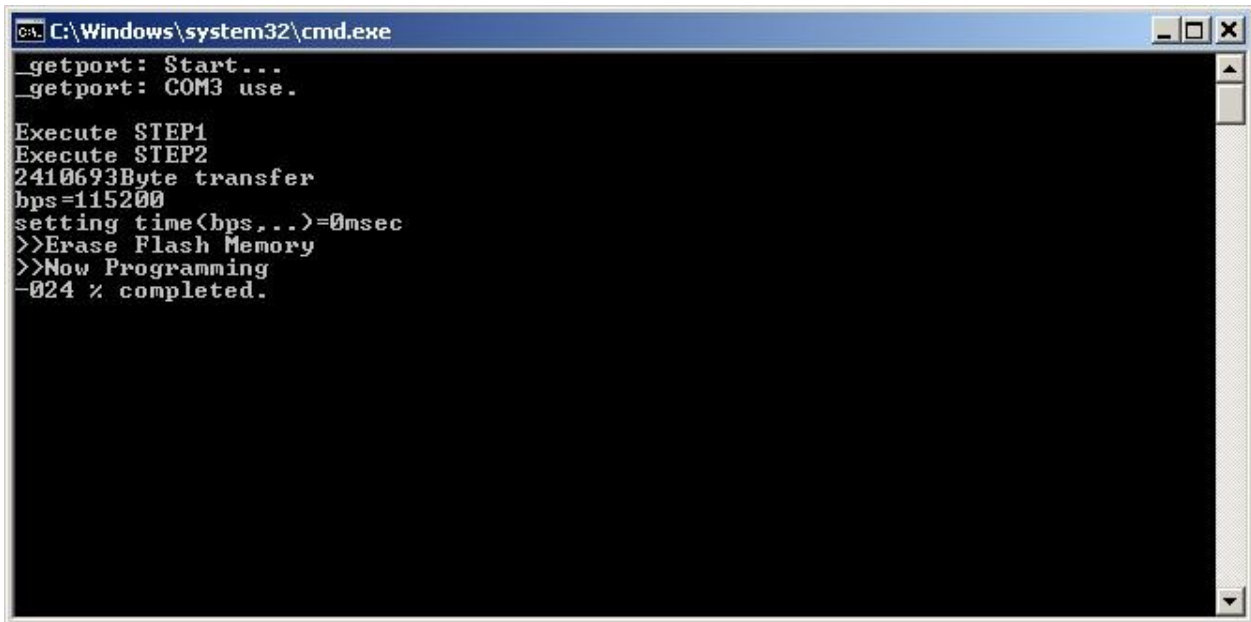
2. Set the NavPilot into STBY mode.

3. Connect the USB cable between the PC and the NavPilot Processor unit.

4. Execute the corresponding batch files as follows:

    a) **Open the folder named FAP-7002_App_01.27**

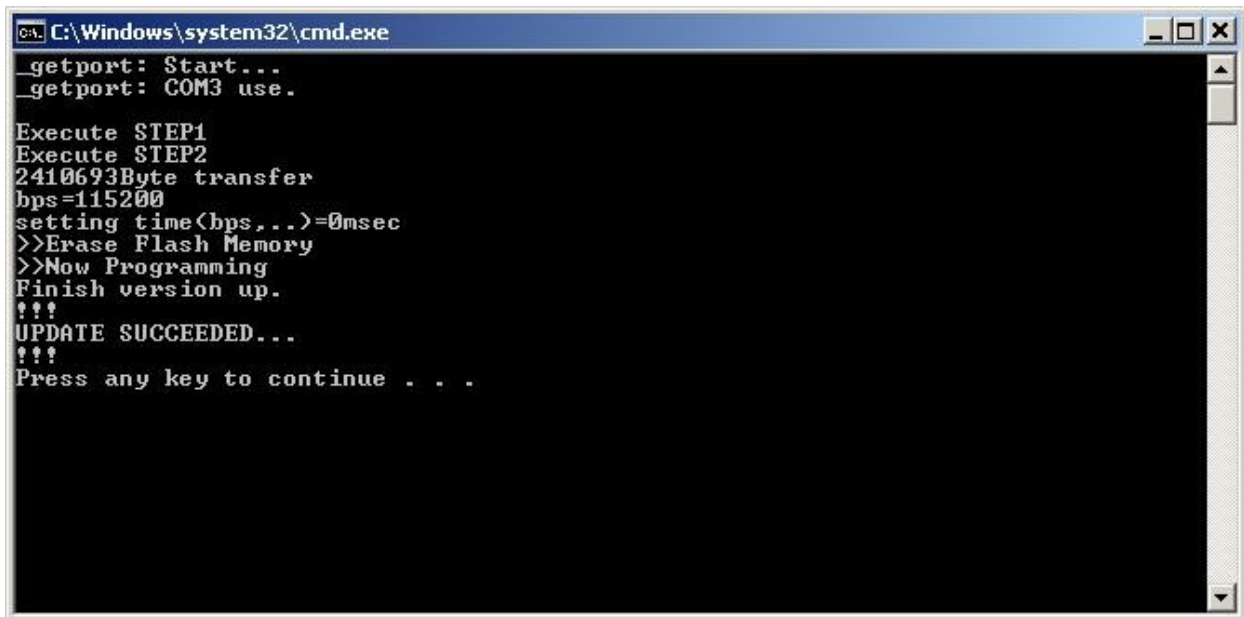   b) **Double-click on UP.BAT to begin updating the Processor software version**.

Name	Date modified	Type	Size
_getport.exe	9/30/2016 3:47 PM	Application	28 KB
_inituppg.exe	9/30/2016 3:47 PM	Application	72 KB
APP.BIN	9/30/2016 3:47 PM	BIN File	2,301 KB
BOOT1.BIN	9/30/2016 3:47 PM	BIN File	379 KB
Dev_Com.dll	9/30/2016 3:47 PM	Application extens...	48 KB
DUMMY.BIN	9/30/2016 3:47 PM	BIN File	1 KB
NAVpilot-700.inf	9/30/2016 3:47 PM	Setup Information	2 KB
readme.txt	9/30/2016 3:47 PM	Text Document	1 KB
UP.BAT	9/30/2016 3:47 PM	Windows Batch File	1 KB
uppg.exe	9/30/2016 3:47 PM	Application	84 KB

```
C:\Windows\system32\cmd.exe
_getport: Start...
_getport: COM3 use.

Execute STEP1
Execute STEP2
2410693Byte transfer
bps=115200
setting time(bps,...)=0msec
>>Erase Flash Memory
>>Now Programming
-024 % completed.
```

c) Wait for the Pilot to restart. (The pilot will restart after the update is complete).


```
C:\Windows\system32\cmd.exe
_getport: Start...
_getport: COM3 use.

Execute STEP1
Execute STEP2
2410693Byte transfer
bps=115200
setting time(bps,...)=0msec
>>Erase Flash Memory
>>Now Programming
Finish version up.
!!!
UPDATE SUCCEEDED...
!!!
Press any key to continue . . .
```

d) When the message, "Press any key to continue" appears, do so to close the window and complete the update.
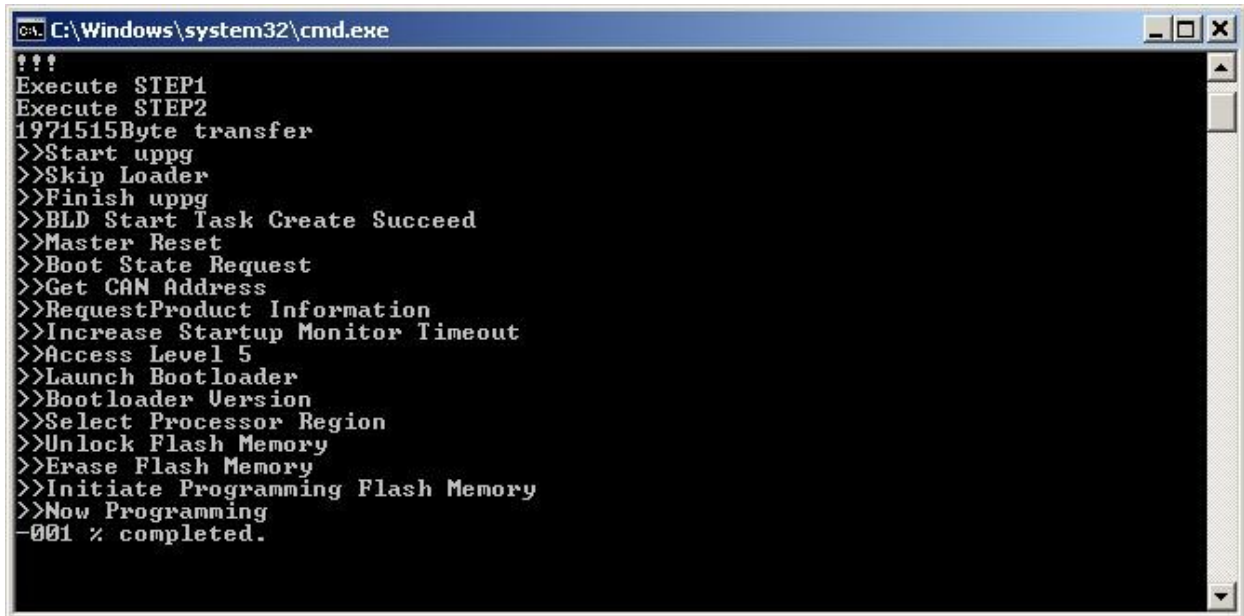
e) Close the FAP-7002_App_01.27 folder.

f) Open the FAP7011C_App_01.08 folder.

g) Double-click on UP.BAT to begin updating the Control Unit software version.

Name ▲	Date modified	Type	Size	
_getport.exe	02/25/2009 12:16 PM	Application	28 KB	
_inituppg.exe	06/09/2009 8:09 PM	Application	72 KB	
APP.BIN	03/12/2012 9:30 AM	BIN File	1,926 KB	
Dev_Com.dll	02/25/2009 12:16 PM	Application extension	48 KB	
DUMMY.BIN	02/25/2009 12:16 PM	BIN File	1 KB	
NAVpilot-700.inf	03/21/2012 5:35 PM	Setup Information	2 KB	
s0.bin	03/12/2012 9:30 AM	BIN File	1 KB	
UP.BAT	03/13/2012 4:10 PM	Windows Batch File	4 KB	
uppg.exe	03/03/2009 9:42 AM	Application	84 KB	
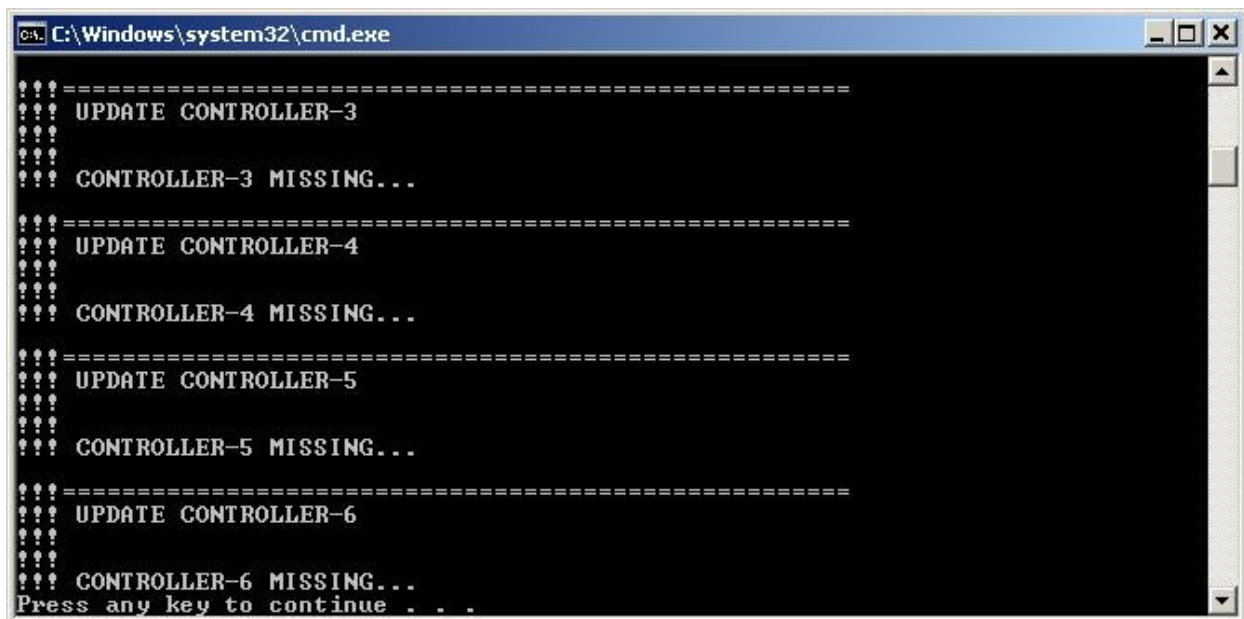
```
C:\Windows\system32\cmd.exe
_getport: Start...
_getport: COM3 use.


!!!====================================================
!!! UPDATE CONTROLLER-1
!!!
Execute STEP1
Execute STEP2
1971515Byte transfer
>>Start uppg
>>Skip Loader
>>Finish uppg
>>BLD Start Task Create Succeed
```

h) Wait for the Pilot to restart. (The Pilot will restart after the update is complete.)

i) When the message, "Press any key to continue…" appears, do so to close the window and complete the update.

5. Check the program numbers in the diagnostic display as follows:

a) Start with the NavPilot powered on and in the **STBY** display.

b) Press the **MENU** key.

c) Turn the **Enter-knob** to highlight **OTHER MENU** and then press the **Enter-knob**.

d) Turn the **Enter-knob** to highlight **SYSTEM SETUP** and then press the **Enter-knob**.

e) Turn the **Enter-knob** to highlight the selection for **DIAGNOSTIC**. (The default selection is **OFF**).

f) Press the **Enter-knob**.

g) Turn the **Enter-knob** to highlight **PROCESSOR UNIT** and then press the **Enter-knob**.

h) Confirm that the program numbers are now updated.

i) Press the **MENU** key once to return to the highlighted **PROCESSOR UNIT** selection and then press the **Enter-knob**.

j) Turn the **Enter-knob** to highlight **CONTROL UNIT** and then press the **Enter-knob**.

k) Confirm that the program numbers are now updated.

l) Press the **MENU** key 4 times to return to the **STBY** display.

PLEASE NOTE: You will be required to re-accomplish the initial setup of the pilot after programming/upgrading the unit because all previous settings are overwritten.