

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.



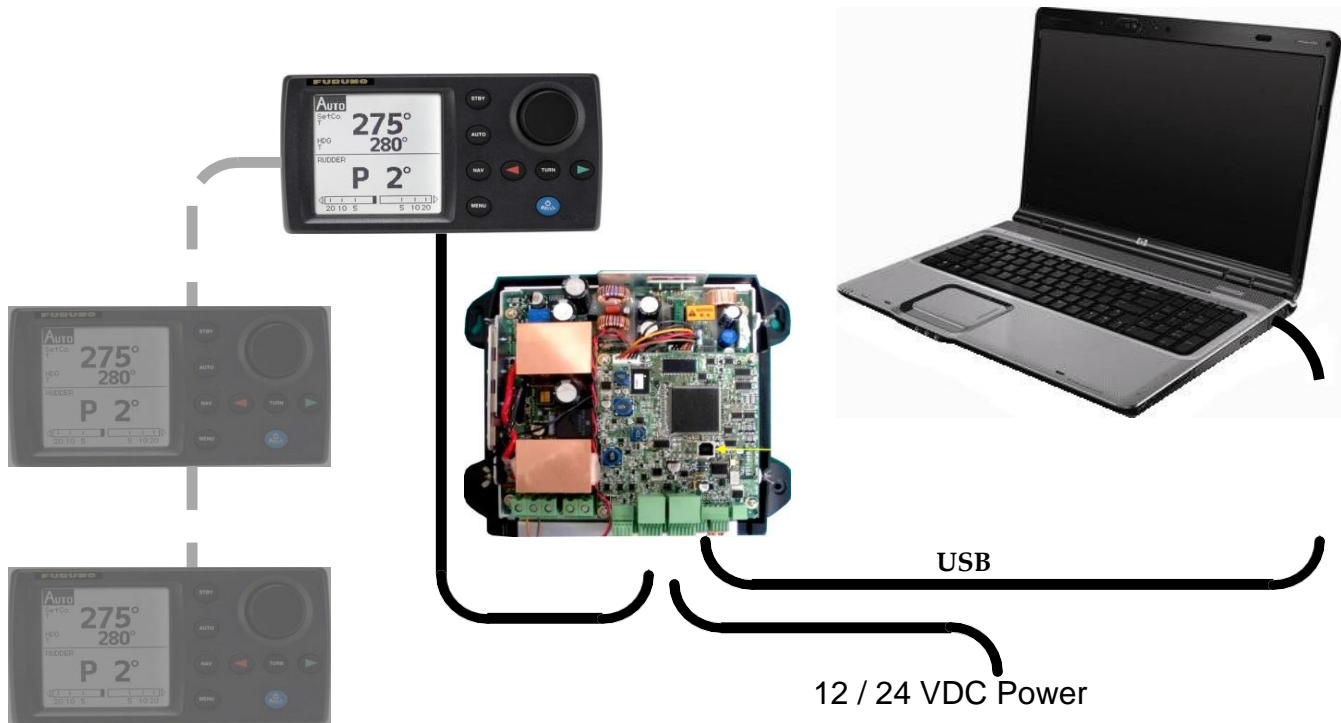
- 2 zipped software folders labeled as follows.

_udp_p.zip (This contains both the Application and Boot software for the NavPilot processor unit)

_udp_c.zip (This contains the Application 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.



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.

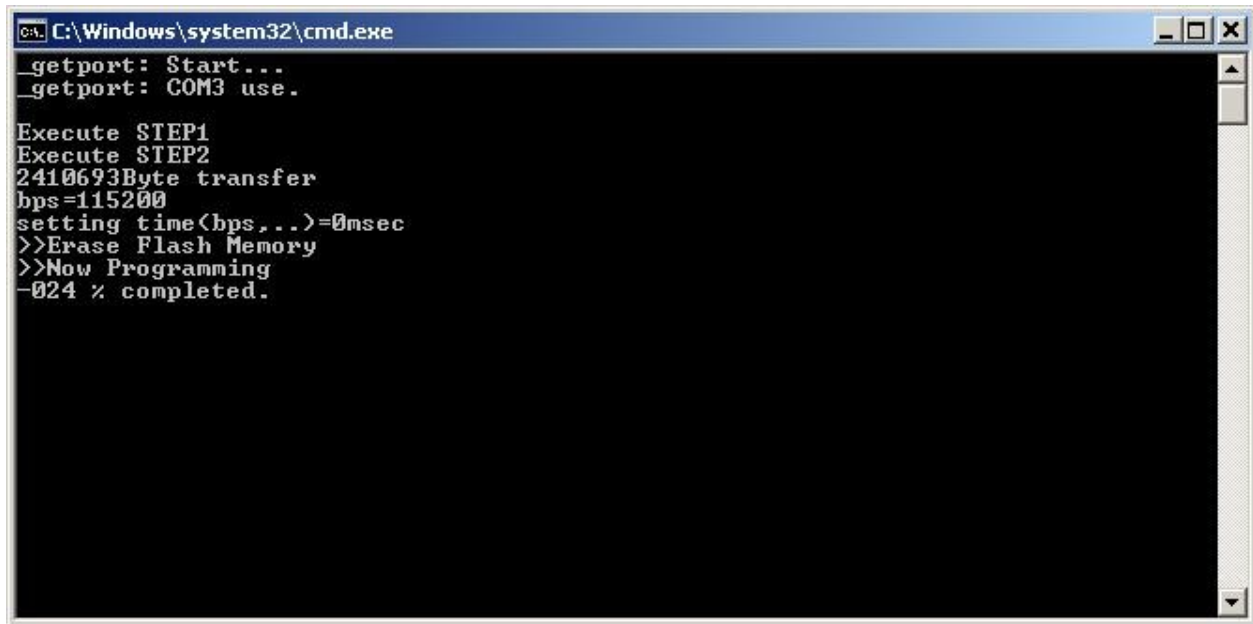
2. Set the NavPilot into STBY mode.

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 **_upd_p**.

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

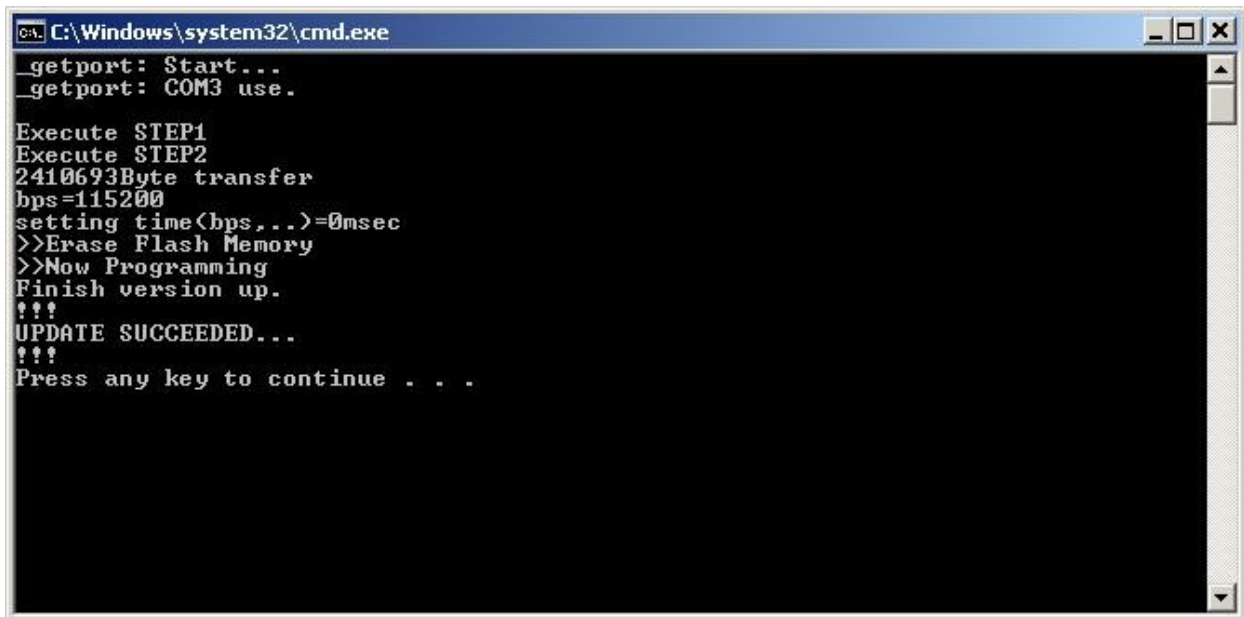
Name	Date modified	Type	Size
 _getport.exe	9/30/2016 3:47 PM	Application	28 KB
 _inituppg.exe	9/30/2016 3:47 PM	Application	72 KB
 APP.BIN	9/30/2016 3:47 PM	BIN File	2,301 KB
 BOOT1.BIN	9/30/2016 3:47 PM	BIN File	379 KB
 Dev_Com.dll	9/30/2016 3:47 PM	Application extens...	48 KB
 DUMMY.BIN	9/30/2016 3:47 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 udp_p folder.

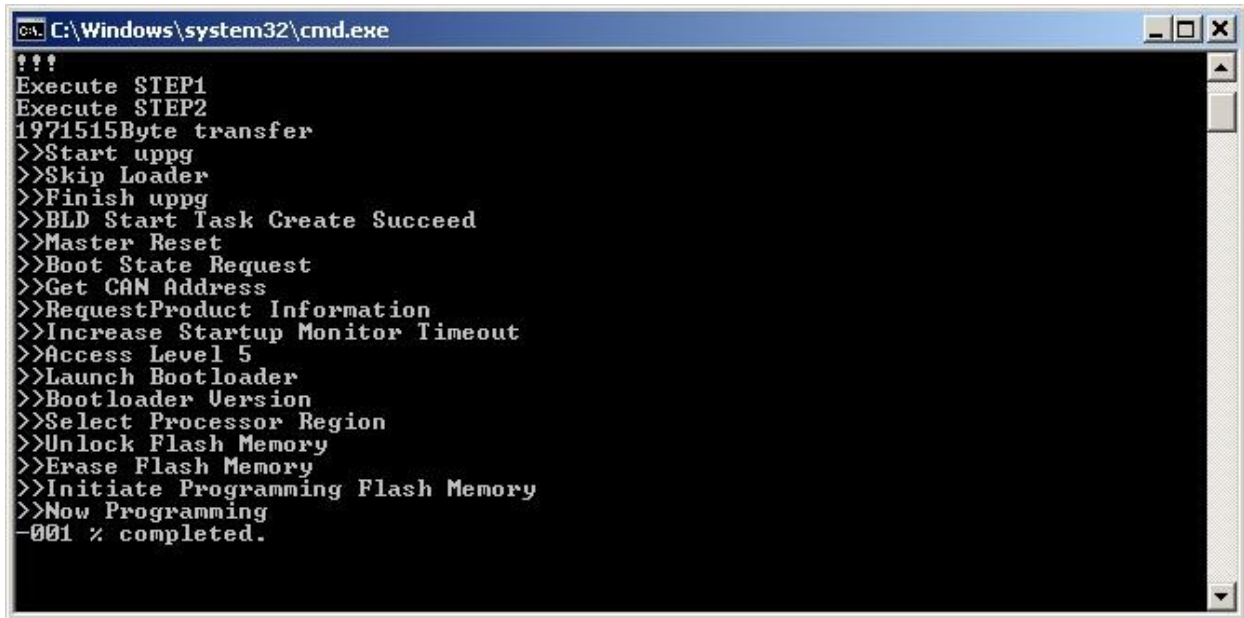
f) Open the upd_c folder.

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

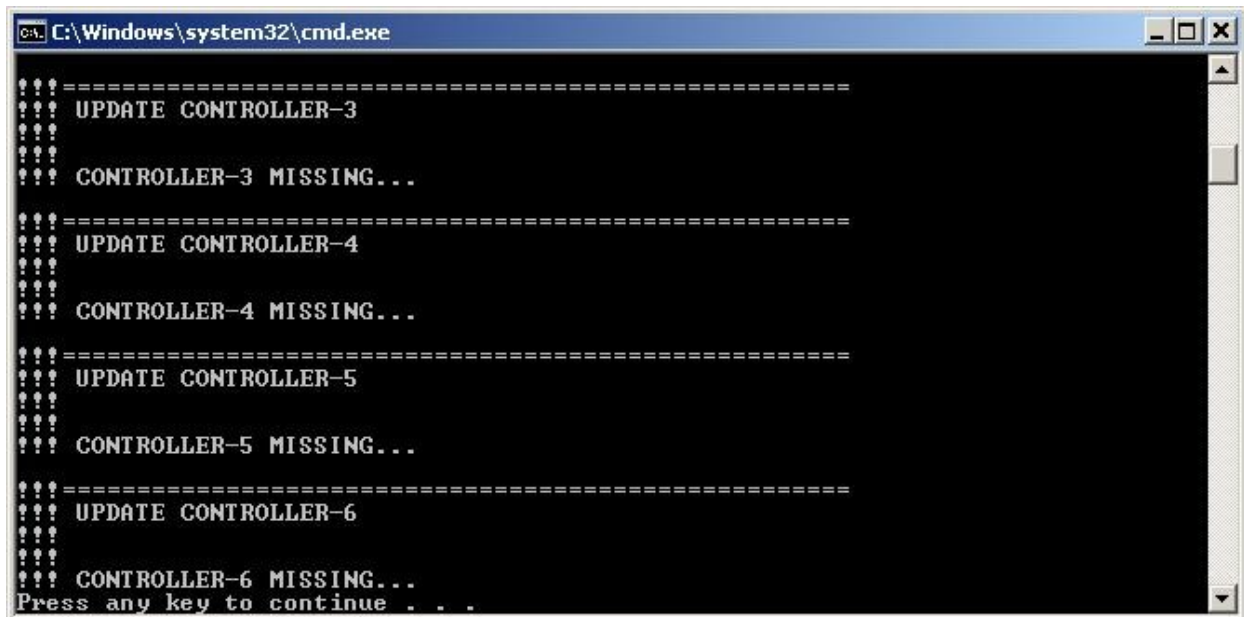
```
C:\Windows\system32\cmd.exe
_getport: Start...
_getport: COM3 use.

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



```
C:\Windows\system32\cmd.exe
?? ?
Execute STEP1
Execute STEP2
1971515Byte transfer
>>Start uppg
>>Skip Loader
>>Finish uppg
>>BLD Start Task Create Succeed
>>Master Reset
>>Boot State Request
>>Get CAN Address
>>RequestProduct Information
>>Increase Startup Monitor Timeout
>>Access Level 5
>>Launch Bootloader
>>Bootloader Version
>>Select Processor Region
>>Unlock Flash Memory
>>Erase Flash Memory
>>Initiate Programming Flash Memory
>>Now Programming
-001 % completed.
```

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



```
C:\Windows\system32\cmd.exe
?? ? =====
?? ? UPDATE CONTROLLER-3
?? ?
?? ?
?? ? CONTROLLER-3 MISSING...
?? ? =====
?? ? UPDATE CONTROLLER-4
?? ?
?? ?
?? ? CONTROLLER-4 MISSING...
?? ? =====
?? ? UPDATE CONTROLLER-5
?? ?
?? ?
?? ? CONTROLLER-5 MISSING...
?? ? =====
?? ? UPDATE CONTROLLER-6
?? ?
?? ?
?? ? CONTROLLER-6 MISSING...
Press any key to continue . . .
```

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.