

82006-0141-09-A

SB 3400-09 Instructions for ST3400 Software Update to A3.10

Date: 6/18/2007

Regarding: A3.10 Software Release

Introduction

This document describes the procedure to update an ST3400 to software version A3.10

Compatibility

Software version A3.10 is compatible with ST3400 units with serial numbers 2000 or higher.

Reference

SB 3400-09 Service Bulletin

Hardware Requirements

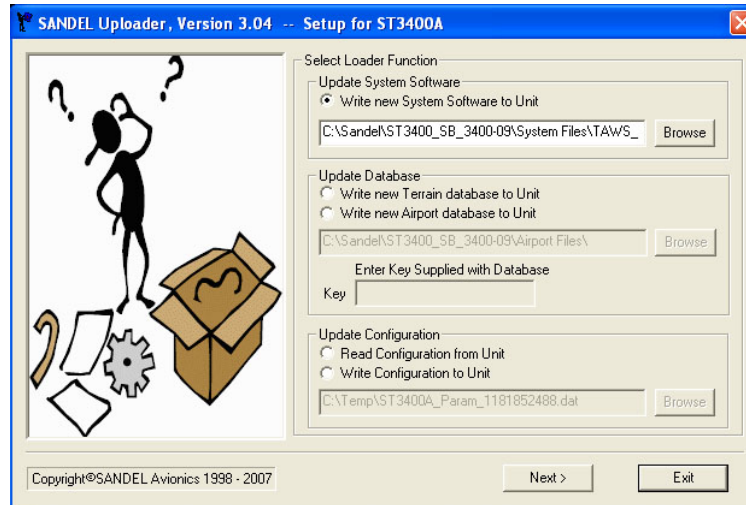
PC with Windows Vista, XP or 2000 with available USB port

USB to mini-USB interface cable, Sandel part number 88114 or equivalent

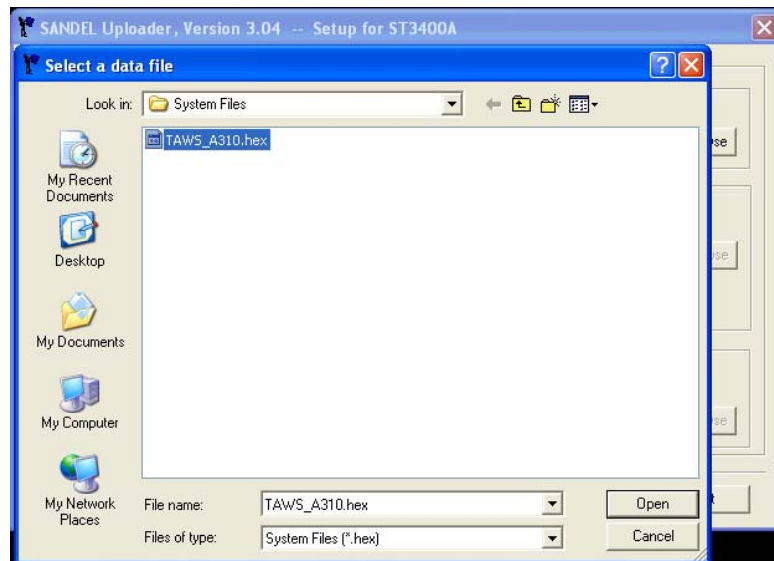
Upload Instructions

1. If the ST3400 has been removed from the aircraft for updating, ensure that the configuration module is plugged into the back of the unit.
2. With power removed from the ST3400, connect the ST3400 to the PC via the USB cable.
3. Power up the ST3400 in maintenance mode. This is done by holding down the BRG1 and BRG2 keys on the ST3400 while applying power. Continue to hold down the two keys until the display is visible.
4. If a message 'Found New Hardware' appears, follow the instructions for loading the USB driver in document **24001-01 Sandel USB Uploader Instructions**.
5. Open Windows Explorer and locate the **Sandel_Uploader_3.04.exe** file. The default location will be in 'C:\Sandel\ST3400_SB_3400-09'. Double click on the Sandel_Uploader_3.04.exe file to start.

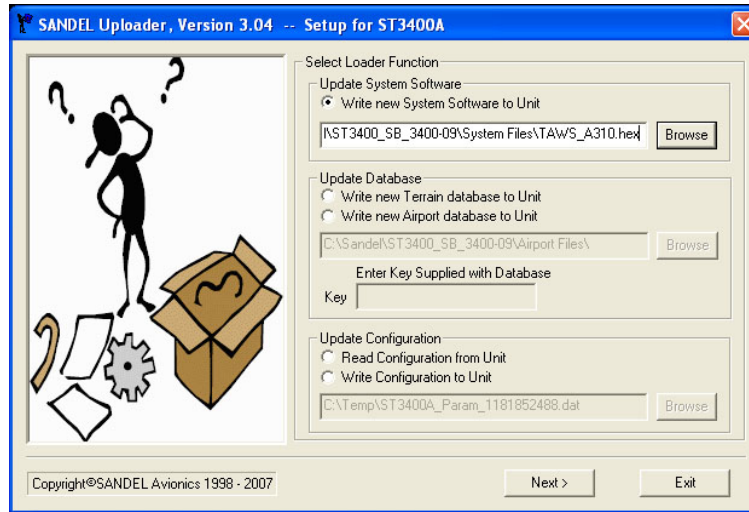
- The Sandel Uploader Setup screen will appear. (Example below.) Select the option for **'Write new System Software to Unit'**.



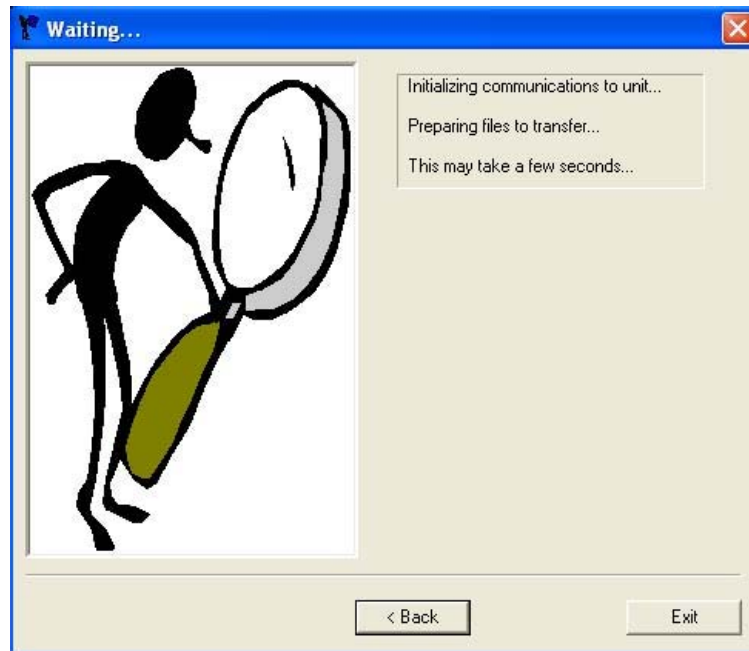
- Click on 'Browse' and locate the file 'TAWs_A310.hex'. Highlight the file and click on 'Open'. The default location for this file is 'C:\Sandel\ST3400_SB_3400-09\System Files'.



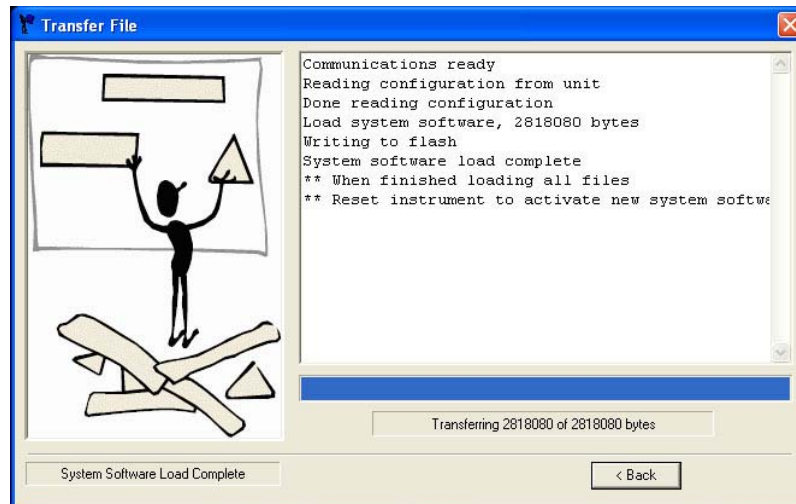
- Verify that the file 'TAWS_A310.hex' is shown in the selection window and then click on 'Next'.



- A message that the program is initializing communications with the unit will appear for several seconds.



- Once communication is established, the software file will be transferred to the ST3400. Do not remove power or disconnect the cable until 'Software System Load Complete' is shown.



- Close the program by clicking on the red 'X' at the top right of the program window. The USB cable can now be removed and the ST3400 powered down.
- Power up the ST3400 in maintenance mode. Depending on the previous version of software, the CONFIG MODULE STATUS may be shown. If so, press the ST3400 TO CM (UP ARROW key) shown below to re-write the unit settings to the configuration module:



Then press YES (RMI key) to confirm the action:



13. On Page 2, verify that the Software Rev is A3.10. On Page 16, SFTWR CRC, press the RMI key on the ST3400 to update the CRC codes. Verify that all fields show Pass.
14. Refer to ST3400 Service Bulletin SB 3400-9 for the proper setting of the 'INSTALL POSITION' and 'ALERT SELECT' configuration items on Page 2.
15. Verify that the configuration settings on Pages 2 through 14 are unchanged from the previous settings. Power down the unit when done.

Troubleshooting

Please contact Sandel Product Support if there are any questions with this procedure:

Phone: 877-726-3357 or +1-760-727-4900 ext. 2
Email: support@sandel.com
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