



SERVICE BULLETIN #05SIB039

Re: Firmware Update Procedure for GPS+ Receivers

From: Topcon Positioning Systems, Inc. Customer Support and Service Department (CSSD)

Description of Potential Problem

Topcon Positioning Systems released a new firmware, version 2.50, for all GPS+ receivers. This firmware has many new features and enhancements (see firmware release notes for details) so existing customers may want to update their receivers. Due to changes in the protection scheme implemented in this new firmware, when it is loaded into receivers using "TURBO" boards it causes the receiver to lose the "Options Authorization File" (OAF) and renders it inoperative. The existing OAF cannot be reloaded.

All other boards (other than TURBO) are not affected and can update to firmware 2.50 without any problem.

How do I know if I have a TURBO board?

- Connect your receiver to a computer running PC-CDU by using a serial cable connected to Receiver serial port A.
- Click on **HELP/ABOUT** and a **ABOUT PC-CDU** screen will appear.
- Look into line Number 5: **MAINBOARD VERSION**. . If the name of the board includes a "T" in the name HGGDT or EGGDT you have a TURBO board and therefore you **MUST** request a new OAF before upgrading to firmware version 2.50.
- If the letter "T" is not there, you can upgrade your firmware without any problem (your OAF will not be affected)

How do I request a new OAF?

- Once you determine you have a TURBO receiver, you can click on the REPORT key at the bottom of the page and a TXT (text) file will be generated.
- You need to e-mail this TXT file to Options@topcon.com and you will receive a new OAF by e-mail within 24 hours.
- After receiving the new OAF file, you can proceed with the loading of the new firmware 2.50 and the new OAF file.

If you experience any problem with this procedure, you can contact 866-4TOPCON or e-mail a description of the problem together with a copy of your REPORT text file to SUPPORT@TOPCON.COM.