

FIRMWARE UPGRADE INSTRUCTIONS

Galileo



EXTRACT ALL FILES FROM THE ZIP FILE BEFORE PROCEEDING

Please check that the version of SmartTRAK you have on your PC is at least 2.052 or install version 2.06 included in the download.

Before proceeding with an HRM or PMG upgrade it is imperative that your Galileo has the firmware version 1.6 or higher. If the firmware version is older (indicated with a lower number), it is necessary to first update the Galileo firmware to version 1.6 by following the procedures outlined below using the 'Galileo FW.1.6' file.

In order to verify which firmware version your computer currently has, access the 'Other Settings' and 'Device Info' choices from the Galileo menu.

Once the firmware has been updated to 1.6, you can then repeat the procedures below using the 'HRM' or 'PMG' files. The upgrade file is indicated and labeled using the ID number of your specific Galileo plus an '.enc' extension. For example 'PMG_0132151218.enc' for a PMG upgrade or "HRM_0102151218.enc" for an HRM upgrade.

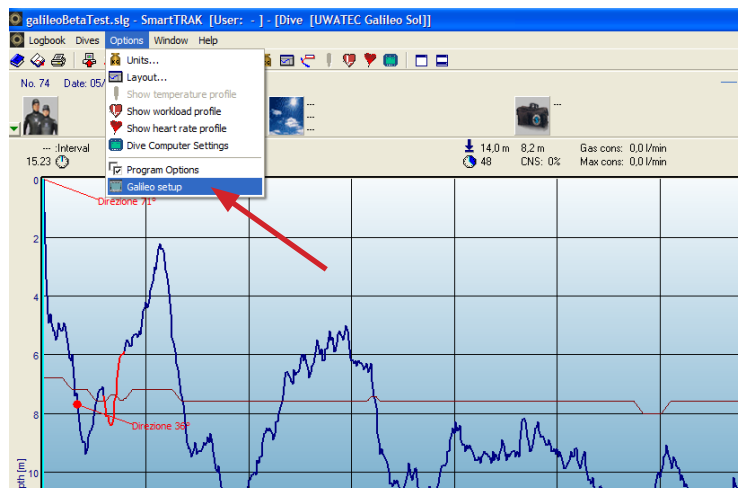
NOTE: Your Galileo must have at least 5 segments showing in the battery status indication in order to complete the upgrade process!



To update the firmware in your Galileo proceed as follows:

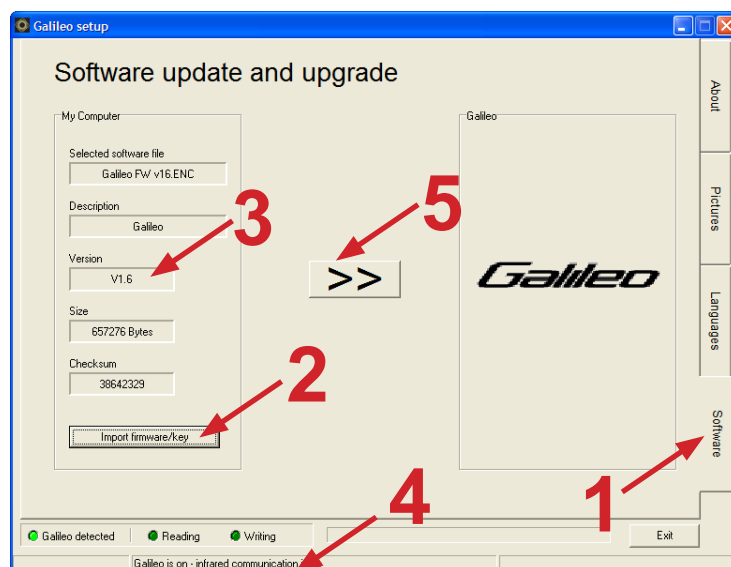
Step 1

Open SmartTRAK on your PC and start the **GALILEO SETUP** program.



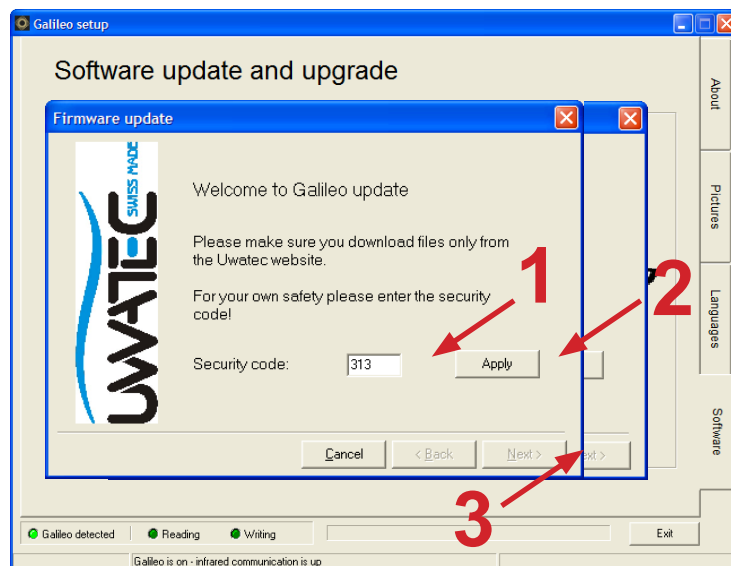
Step 2

Click on the **Software (1)** tab, next click on **Import firmware (2)**, then locate the file that you downloaded from the website on your PC. Check that the version that you are intending to install corresponds to what is shown in the window (3). Ensure that an IrDA connection exists between your PC and Galileo (4). Now click on the arrow to begin the transfer process to Galileo (5).



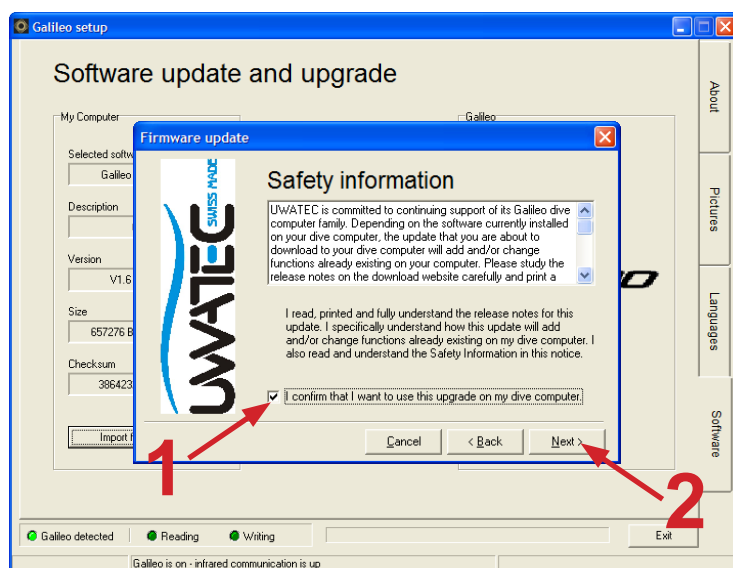
Step 3

Enter 313, the security code, into the window (1), then click on **Apply (2)** and then on **Next (3)**.



Step 4

Click the box (1) to acknowledge having read and understood the message in the window, then click on **Next (2)** to continue the process.



SmartTRAK now prompts you with two more messages, you must press **Next** then **Continue** to finally begin the process of uploading the new firmware on Galileo. Observe the progress bars on the screen of Galileo.



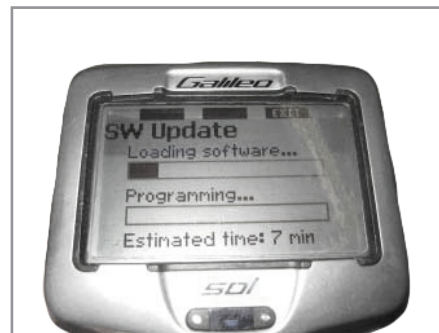
Shortly after the second bar reaches the end, the message **SW Update successful!** will appear on the screen.



At this point push the right button for one second. This will turn off the display. Galileo is now ready for use with the new software.

TROUBLESHOOTING

NO PROGRESS: If you notice that the upper bar has not progressed in 10 minutes, move Galileo away from the infrared interface and wait for the label **EXIT** to appear underneath the right button. Press the right button to bring Galileo back to normal. You can now start the update process again from the beginning.



ERROR MESSAGE: If you get an error message at the end of the update process, unscrew the battery cap until the message goes away, then retighten the battery cap.

If Galileo starts with the regular surface display, it means that the upload process was completed successfully and you can use Galileo. If an error message appears again, please contact your SCUBAPRO UWATEC dealer or service center.