



Saab TransponderTech

R5 SOLID Upgrade Instruction





i Copyright

The entire contents of this manual and its appendices, including any future updates and modifications, shall remain the property of Saab TransponderTech AB at all times. The contents must not, whether in its original form or modified, be wholly or partly copied or reproduced, nor used for any other purpose than the subject of this manual.

Saab TransponderTech AB, SWEDEN

ii Disclaimer

While reasonable care has been exercised in the preparation of this manual, Saab TransponderTech AB shall incur no liability whatsoever based on the contents or lack of contents in the manual.

iii Manual Part Number and Revision

Part number 7000 118-336, revision B1.

iv Contact Information

For installation, service, ordering info and technical support please contact your local Saab TransponderTech representative. A list of dealers and service stations can be found on the corresponding product page at www.saabgroup.com/transpondertech.



1 SOFTWARE UPGRADE

Note: After updating the software add a sticker stating the new software version close to the product label for future reference.

The R5 SOLID is easy upgradable through the USB host interface located behind the front hatch.



Figure 1 – USB interface

To upgrade the software in the R5 SOLID, perform the following steps:

- Unzip the R5 SOLID upgrade package *swload.zip* in the root folder of an USB memory stick with FAT32 file system.
- There should now be a folder called *swload* in the USB root folder.
- Insert the USB memory stick in the USB host interface located behind the front hatch.
 - OPTION 1: Hold down the '4'-button on the front of the R5 SOLID and reboot the system.
 - OPTION 2: Navigate to *Main Menu* → *Maintenance* → *Update Software* and follow the instructions. The system will then automatically reboot.

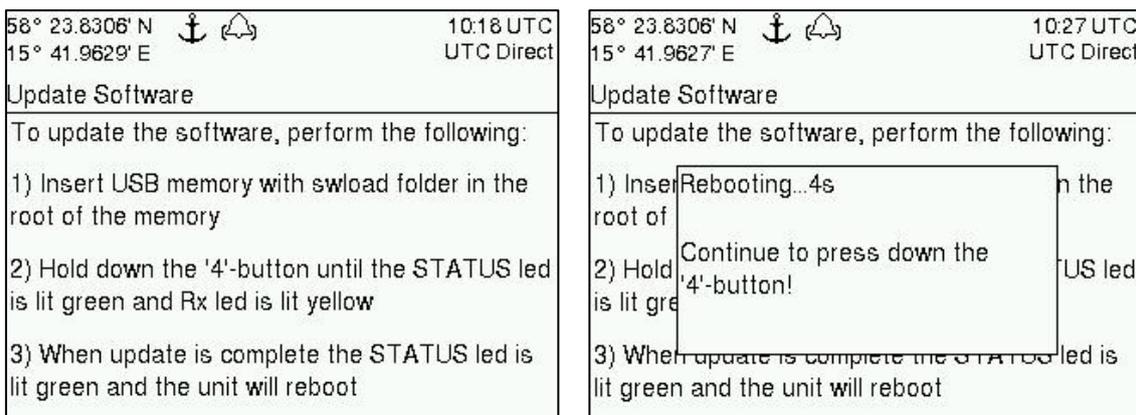


Figure 2 – Update Software view

- **IMPORTANT:** The '4'-button must be held down until after the reboot until the **STATUS LED** is lit green and **Rx LED** is lit yellow.



The software upgrade is complete when the **STATUS LED** is lit green. The R5 SOLID will automatically reboot after 3 seconds.

Check that correct SW has been loaded in the SW/HW Info view which can be accessed through *Main Menu* → *Status* → *SW/HW Info*.

58° 23.6299' N		12:36 UTC	
15° 41.9614' E		UTC Direct	
SW/HW Info			
Parameter	Value		
SW Version	R5 0.11		
H/W Version	R5 Solid 0		
Serial Number	000001		
H/W Part Number	7000 118-130 A		
--Unlocked Modules--			
Class A Mode	Unlocked		
Inland Mode	Unlocked		

Figure 3 – SW/HW Info

If the upgrade process fails, The **STATUS LED** will be lit red and one of the **Rx LED** or **Tx LED** starts blinking. Should this happen, hold down the '4'-button and reboot the R5 SOLID to try again.

	STATUS	Rx	Tx
Upgrade mode started	GREEN	YELLOW	
Upgrade in progress		Blinking YELLOW	
Upgrade complete (automatic reboot after 3 sec)	GREEN		
Error: USB Not Found	RED	Blinking YELLOW 0.5Hz	
Error: No SW found on USB	RED	Blinking YELLOW 4Hz	
Error: Flash erase failed	RED		Blinking RED 0.5 Hz
Error: Flash write failed	RED		Blinking RED 4 Hz

Table 1 – LED Indicators during Software Upgrade



2 LICENSE UPGRADE

The license file name has the following structure;

200001 - 7000 118-613 [Class A].lic

In this example:

200001 – The serial number of the R5 unit this key works with

7000 118-613 – The part number of this license key.

- Place the license file in the root of a USB memory. It is possible to put many license files on the same USB memory if upgrading several units.
- Insert the USB memory stick in the USB host interface located behind the front hatch.
- Enter view **Main Menu → Maintenance → License** and press “Update”
- If the license is successfully set, a number of unlocked modules will appear:

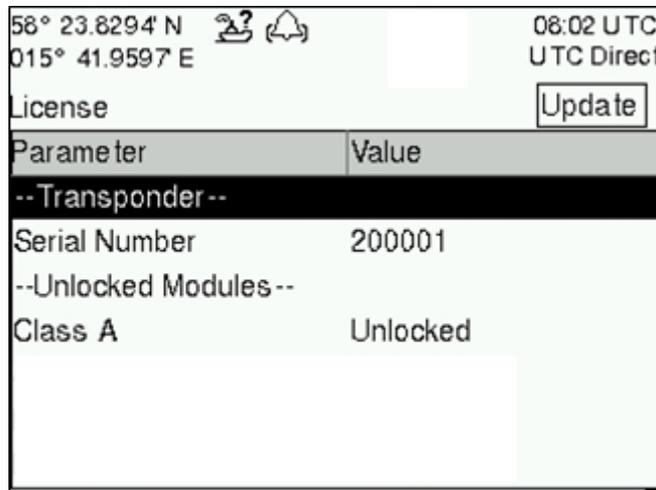


Figure 4 – Unlocked Modules

- If a correct license cannot be found on the USB memory the following will appear:

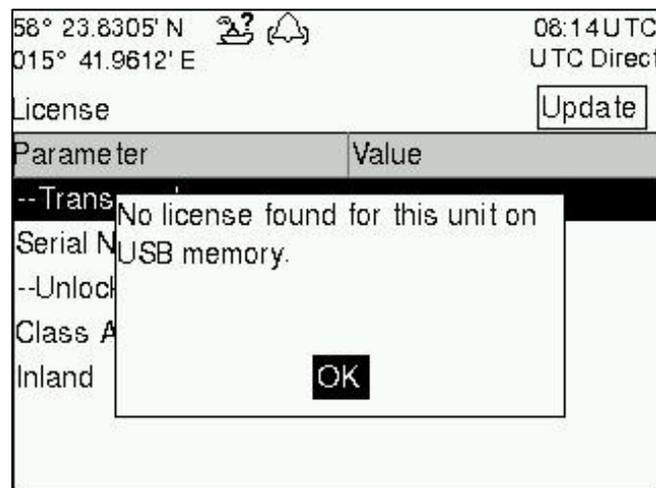


Figure 5 – No license found